

# List of variables

# **Ifo Business Survey Industry**

Data: 1/1980-06/2019

As of September 2019

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# List of variables - test of economic cycle - manufacturing industry

1. Variables of identification

2. Standard questions

3. Special questions

#### 1. Variables of identification

No.	Name	Label	German description			
1.1)	survey	survey	Umfrage			
1.2)	year	year	Erhebungsjahr			
1.3)	month	month	Erhebungsmonat			
1.4)	idnum	KT and INNO firm adressfile id	Firmenidentifikationsnummer			
1.5)	runnum	running number of plant	Laufende Firmennummer			
1.6)	vg_plantnum	KT and INNO information containing id	11-stellige Identifikationsnummer			
1.7)	vg_fedstaifo	federal state (ifo-code)	Bundesland entsprechend ifo Codierung			
1.8)	vg_westeast	western eastern	Unterscheidet zwischen West- und Ost- Erhebung			
1.9)	vg_weight	weight	Gewicht			
1.10)	vg_latecomer	latecomer	Nachzügler Sektor ID			
1.11)	sector_id	sector id				
1.12)	sector_ifo	ifo sector classification	ifo Sektorklassifikation			
1.13)	vg_sypro	sypro sector classification	sypro Sektorklassifikation			
1.14)	sector_wz93	wz93 sector classification	wz93 Sektorklassifikation			
1.15)	sector_wz08	wz08 sector classification	wz 08 Sektorklassifikation			
1.16)	sector_total	ebdc sector classification	EBDC Sektorklassifikation			
Variables r	egarding the survey process					
1.17)	online	online	Fragebogen online beantwortet			
1.18)	survey start	survey start	Umfragebeginn			
1.19)	survey end	survey end	Umfrageende			
1.20)	participation date	participation date	Teilnahmedatum			
1.21)	participation_hour	participation hour	Teilnahmestunde			
1.22)	participation_status	participation status	Teilnahmestatus			
1.23)	vg_participant	participation in this survey	Teilnahme			

## 2. Standard questions

No.	Name	Label	German description
2.43		shake of hardeness for consider N	December House along Constitutions
2.1)	vg_statebus	state of business (appraisal)	Beurteilung der Geschäftslage
2.2)	vg_provpm	production versus previous month	Produktion im Vergleich zum Vormonat
2.3)	vg_stin	stock of inventories	Beurteilung des Bestand an Fertigwaren
2.4)	vg_demand	situation of demand	Nachfragesituation gegenüber dem Vormonat
2.5)	vg_ordvpm	orders versus past	Auftragsbestand in Vergangenheit
2.6)	vg_orders	orders (appraisal)	Beurteilung des aktuellen Auftragsbestands
2.7)	vg_pricevpm	domestic prices of sale versus previous month	Inländische Verkaufspreise
2.8)	vg_proexp	expected production	Erwartete Inländische Produktionstätigkeit
2.9)	vg_priceexp	expected domestic prices	Erwartete inländische Verkaufspreise
2.10)	vg_expexp	expected export trade	Erwarteter Exporthandel
2.11)	vg_comexp	expected commercial operations	Erwarteter Geschäftslage
2.12)	vg_foreord	foreign orders (appraisal)	Bestand an Auslandsaufträgen
2.13)	vg_salesexp	sales expectancy	Erwarteter Umsatz
2.14)	vg_emplexp*	expected employees	Erwartete Entwicklung der Gesamtbeschäftigtenzahl
2.15)	vg_pro_vpq	production vs. Past	Produktionstätigkeit in Vergangenheit
2.16)	vg_demand_vpq	situation of dmand vs. Past	Nachfragesituation in Vergangenheit
2.17)	vg ord vpq	orders vs. Past	Auftragsbestand in Vergangenheit
2.18)	vg_price_vpq	domestic prices of sale vs. Past	Inlandsverkaufspreise in Vergangenheit
2.19)	vg credit**	credit allocation	Kreditvergabe
2.20)	vg_statebus_sl	state of business (VAS)	Beurteilung der Geschäftslage (VAS)
2.21)	vg statebus clicks	state of business (clicks)	Beurteilung der Geschäftslage (Klicks)
2.22)	vg comexp sl	expected commercial (VAS)	Erwartete Geschäftslage (VAS)
2.23)	vg_comexp_clicks	expected commercial (clicks)	Erwartete Geschäftslage (Klicks)
2.24)	vg_comexp_unc	uncertainty w.r.t. commercial operation	Slider Unsicherheit
2.25)	vg_emplpast	development employees last month	Entwicklung der Gesamtbeschäftigtenzahl im Vormonat
2.26)	vg_prestatebus_unc	uncertainty: prediction of business situation	Unsicherheit der Lagevorhersage

<sup>\*</sup>special question until 06/1997. See 3.13)
\*\*special question until 08/2008. See 3.48)

## 3. Special questions

No.	Name	Label	German description
3.1)	vg_ranord	range of orders in months	Reichweite der Auftragsbestände in Monaten
3.2)	vg uticappc	capacity utilization in %	Auslastung der Anlagen in %
3.3)	vg_uticapap	capacity utilization (appraisal)	Beurteilung der technischen Kapazität
3.4)	vg_constrain	constraints to production	Behinderung der Produktionstätigkeit
3.5)	vg_ordlack	lack of orders	Auftragsmangel
3.6)	vg_mplack	lack of manpower	Arbeitskräftemangel
3.7)	vg_matlack	lack of material	Materialknappheit
3.8)	vg_techcap	technical capacity	Technische Kapazität
3.9)	vg_bastlack	lack of back staff	Mangel an Hilfskräften
3.10)	vg_difffin	difficulties of financing	Produktionsbehinderung durch Finanzierungsengpässe
3.11)	vg_weather	weather conditions	Produktionsbehinderung durch Wetterlage
3.12)	vg_skelllack	lack of skilled employees	Mangel an Fachkräften
3.13)	vg_othrea	other reasons	Sonstige Faktoren / Andere Ursachen
3.14)	vg_proexpen	product too expensive	Produkte zu teuer
3.15)	vg_proqual	quality of products program of products	Produktqualität Produktprogramm
3.16) 3.17)	vg_propro	overtime	Überstunden
3.17)	vg_ovtime vg_ovtimemo	overtime more than customary	Mehr Überstunden als betriebsüblich
3.19)	vg_stwork	short-time work	Kurzarbeit
3.20)	vg_stwork vg_stworkexp	expected short-time work	Erwartete Kurzarbeit
3.21)	vg_emplexp*	expected employees	Erwartete Entwicklung der Gesamtbeschäftigtenzahl
3.22)	vg_empl	employees 12 month	Beschäftigte Erwartungen
3.23)	vg_empi vg_prof	profit situation	Ertragssituation derzeit
3.24)	vg_profch	change of profit situation	Ertragssituation gegenüber dem Vorquartal
3.25)	vg_hcount	headcount	Entwicklung des Personalbestands
3.26)	vg_fest	feedstock	Rohstoff- und Vormaterialbestände
3.27)	vg_proenl	enlagerment of production	Produktionserweiterung
3.28)	vg_priceinc	increase in price	Preiserhöhung
3.29)	vg_fincolow	low costs of financing	Niedrige Finanzierungskosten
3.30)	vg_diffsup1	difficulties of supply	Versorgungsschwierigkeiten
3.31)	vg_weaken	weakening	Abschwächung
3.32)	vg_prored	reduction of production	Produktionsabschwächung
3.33)	vg_pricedec	price decrease	Preisrückgänge
3.34)	vg_fincohi	hight costs of financing	Hohe Finanzierungskosten
3.35)	vg_diffsup2	difficulties of supply	Versorgungsschwierigkeiten
3.36)	vg_strength	strengthening	Verstärkte Produktion
3.37)	vg_festwe	feedstock in weeks	Rohstoff- und Vormaterialbestände in Wochen
3.38)	vg_stinwe	stock of inventories in weeks	Fertigwarenbestände in Wochen
3.39)	vg_emppro2	employees in production	Produktionsbeschäftigte für XY
3.40)	vg_emplinc	increase of employees in %	Zunahme der Beschäftigten in % für die Produktion von XY
3.41) 3.42)	vg_empldec	decrease of employees in % national competitive postition	Abnahme der Beschäftigten in % für die Produktion von XY Wettbewerbsposition Inland
3.42)	vg_comppos1	EU competitive position	Wettbewerbsposition innerhalb der EU
3.44)	vg_comppos2 vg_comppos3	competitive position abroad	Wettbewerbsposition außerhalb der EU
3.45)	vg_ranord2	range of orders in mohths (end of prev. month)	Reichweite der Auftragsbestände in Monaten
3.46)	vg_uticappc2	capacity utilization in % (end of prev. month)	Kapazitätsauslastung in %
3.47)	vg_emppro	employees	Im Unternehmen beschäftigte Personen
3.48)	vg credit**	credit allocation	Kreditvergabe
3.49)	vg_j1	Japan crisis q1	Japankrise Frage1
3.50)	vg_j2	Japan crisis q2	Japankrise Frage2
3.51)	vg_j3	Japan crisis q3	Japankrise Frage3
3.52)	vg_j4	Japan crisis q4	Japankrise Frage4
3.53)	vg_j5	Japan crisis q5	Japankrise Frage5
3.54)	vg_j6	Japan crisis q6	Japankrise Frage6
3.55)	va fairch	exhibitor at an international specialized fair	Aussteller auf einer internationalen Fachmesse
	vg_fairxh		
3.56)	vg_fairxh_g	exhibitor at an international specialized fair in Germany	Aussteller auf einer internationalen Fachmesse in Deutschland
3.57)		exhibitor at an international specialized fair in a foreign European country	Aussteller auf einer internationalen Fachmesse im europäischen Ausland
3.3.7	vg_fairxh_e		
3.58)	vg_fairxh_ne	exhibitor at an international specialized fair in a country outside Europe	Aussteller auf einer internationalen Fachmesse im außereuropäischen Ausland
2 501		exhibitor at an international specialized fair during next 2-3 years	Aussteller auf einer internationalen Fachmesse in den nächsten 2-3 Jahren
3.59)	vg_fairxhexp		
3.60)	vg_fairxhexp_g	exhibitor at an international specialized fair in Germany during next 2-3 years	Aussteller auf einer internationalen Fachmesse in Deutschland in den nächsten 2-3 Jahren
	*8_ramvirexh_R	•	v Aussteller auf einer internationalen Fachmesse im europäischen Ausland in den nächsten
3.61)	vg_fairxhexp_e	during next 2-3 years	2-3 Jahren
3.62)		exhibitor at an international specialized fair in a country outside Europe	Aussteller auf einer internationalen Fachmesse im außereuropäischen Ausland in den
	vg_fairxhexp_ne	during next 2-3 years	nächsten 2-3 Jahren
3.63)	vg_csal_lq	percentage change of sales in field xy - last quarter	Umsatzveränderung im letzten Quartal in Bereich XY
3.64)		values: percentage change of sales in field xy - last quarter	Wertangaben: Umsatzveränderung im letzten Quartal in Bereich XY
3.04)	vg_csal_lq_v	values, percentage change of sales in field Xy - last quarter	Terrangaben, Ombarrveranderdig ini ierzten Quartai ili Defelcii Af
3.65)	vg_csal_nqbc	best case//percentage change of sales in field xy - next quarter	Umsatzveränderung im nächsten Quartal in Bereich XY (best case)
2 66)	·s_csal_nqsc	values: best case//percentage change of sales in field xy - next quarter	Wertangabe: Umsatzveränderung im nächsten Quartal in Bereich XY (best case)
3.66)	vg_csal_nqbc_v	values, best case//percentage change of sales in field xy - flext quarter	wertangabe. Offisatzveranderung im nachsten Quartarin Bereich Af (best case)
3.67)	vg_csal_nqac	average case//percentage change of sales in field xy - next quarter	Umsatzveränderung im nächsten Quartal in Bereich XY (average case)
3.68)		values: average case//percentage change of sales in field xy - next	Wertangabe: Umsatzveränderung im nächsten Quartal in Bereich XY (average case)
3.00)	vg_csal_nqac_v	quarter	The tempore. Ombotz veranocrang in nacisten quartariii bereith AT (average Case)
3.69)	vg_csal_nqwc	worst case//percentage change of sales in field xy - next quarter	Umsatzveränderung im nächsten Quartal in Bereich XY (worst case)
3.70)		values: worst case//percentage change of sales in field xy - next quarter	Wertangabe: Umsatzveränderung im nächsten Quartal in Bereich XY (worst case)
5.70)	vg_csal_nqwc_v	values, worst case//percentage change or sales in field xy - flext quarter	wer tangabe. Ombatzveranderung im nachbien Quartarin bereich Ar (worst case)
3.71)	vg psalinc	probability of sales increase - next quarter	Wahrscheinlichkeit eines steigenden Umsatzes im nächsten Quartal
	- 0_podo		

2 72)		lower bound: probability of cales increase, post quarter	Angegebene Untergrenze: Wahrscheinlichkeit eines steigenden Umsatzes im nächsten
3.72)	vg_psalinc_min	lower bound: probability of sales increase - next quarter	Quartal  Angegebene Obergrenze: Wahrscheinlichkeit eines steigenden Umsatzes im nächsten
3.73)	vg_psalinc_max	upper bound: probability of sales increase - next quarter	Quartal
3.74)	vg_psalinc_sv	single value: probability of sales increase - next quarter	Einzelwert: Wahrscheinlichkeit eines steigenden Umsatzes im nächsten Quartal
3.75)	vg psalstead	probability of steady sales - next quarter	Wahrscheinlichkeit eines gleichbleibenden Umsatzes im nächsten Quartal
3.76)		lower bound: probability of steady sales - next quarter	Angegebene Untergrenze: Wahrscheinlichkeit eines gleichbleibenden Umsatzes im
	vg_psalstead_min	unner hounds probability of stoody color most quarter	nächsten Quartal  Angegebene Obergrenze: Wahrscheinlichkeit eines gleichbleibenden Umsatzes im
3.77)	vg_psalstead_max	upper bound: probability of steady sales - next quarter	nächsten Quartal
3.78)	vg_psalstead_sv	single value: probability of steady sales - next quarter	Einzelwert: Wahrscheinlichkeit eines gleichbleibenden Umsatzes im nächsten Quartal
3.79)	vg psaldec	probability of sales decrease - next quarter	Wahrscheinlichkeit eines sinkenden Umsatzes im nächsten Quartal
3.80)	vg psaldec min	lower bound: probability of sales decrease - next quarter	Angegebene Untergrenze: Wahrscheinlichkeit eines sinkenden Umsatzes im nächsten Quartal
3.81)		upper bound: probability of sales decrease - next quarter	Angegebene Obergrenze: Wahrscheinlichkeit eines sinkenden Umsatzes im nächsten
	vg_psaldec_max		Quartal
3.82)	vg_psaldec_sv	single value: probability of sales decrease - next quarter	Einzelwert: Wahrscheinlichkeit eines sinkenden Umsatzes im nächsten Quartal
3.83)	vg_inf_heat vg_inf_cold	influence of heatwaves on value added influence of cold waves on value added	Auswirkung von Hitzewellen auf die Wertschöpfung  Auswirkung von Käitewellen (inkl. Eis & Schnee) auf die Wertschöpfung
3.85)	vg_inf_colu vg inf drou	influence of drought on value added	Auswirkung von Trockenheit auf die Wertschöpfung
3.86)	vg_inf_rain	influence of heavy rainfall on value added	Auswirkung von Starkniederschlag auf die Wertschöpfung
3.87)	vg_inf_storm	influence of storms on value added	Auswirkung von Stürmen auf die Wertschöpfung
3.88)	vg_einf_pur	expected influence of climate change on purchases	Erwartete Auswirkungen des Klimawandels auf den Bereich Einkauf
3.89)	vg_einf_prod	expected influence of climate change on production	Erwartete Auswirkungen des Klimawandels auf den Bereich Produktion
3.90)	vg_einf_sal	expected influence of climate change on sales  expected influence of climate change on waste management	Erwartete Auswirkungen des Klimawandels auf den Bereich Absatz Erwartete Auswirkungen des Klimawandels auf den Bereich Entsorgung
3.91) 3.92)	vg_einf_wast vg_einf_log	expected influence of climate change on waste management expected influence of climate change on logistics	Erwartete Auswirkungen des Klimawandels auf den Bereich Entsorgung  Erwartete Auswirkungen des Klimawandels auf den Bereich Logistik
3.93)	vg_eini_log vg_einf_inno	expected influence of climate change on innovations	Erwartete Auswirkungen des Klimawandels auf den Bereich Ingestik  Erwartete Auswirkungen des Klimawandels auf den Bereich Innovation
3.94)	vg_einf_pers	expected influence of climate change on personnel	Erwartete Auswirkungen des Klimawandels auf den Bereich Personal
3.95)	vg_flight_ger	importance of flight connections in Germany	Bedeutung von Flugverbindungen zu Zielen in Deutschland
3.96)	vg_flight_eur	importance of flight connections in Europe	Bedeutung von Flugverbindungen zu Zielen in Europa
3.97)	vg_flight_world	importance of flight connections worldwide	Bedeutung von Flugverbindungen zu Zielen weltweit
3.98)	vg_surp_cat	return on sales: surplus (category) return on sales: surplus	Jahresüberschuss (Kategorie) Jahresüberschuss
3.100)	vg_ros_surp vg_loss_cat	return on sales: loss (category)	Jahresverlust (Kategorie)
3.101)	vg_ros loss	return on sales: loss	Jahresverlust (kategorie)
3.102)	vg_russia1	Russia/Ukraine conflict q1	Russland/Ukraine-Konflikt Frage 1
3.103)	vg_russia2	Russia/Ukraine conflict q2	Russland/Ukraine-Konflikt Frage 2
3.104)	vg_russia3	Russia/Ukraine conflict q3	Russland/Ukraine-Konflikt Frage 3
3.105) 3.106)	vg_russia4	Russia/Ukraine conflict q4 Russia/Ukraine conflict q5	Russland/Ukraine-Konflikt Frage 4
3.100)	vg_russia5 vg_russia6	Russia/Ukraine conflict q6	Russland/Ukraine-Konflikt Frage 5 Russland/Ukraine-Konflikt Frage 6
3.108)	vg_russia7	Russia/Ukraine conflict q7	Russland/Ukraine-Konflikt Frage 7
3.109)	vg_russia8	Russia/Ukraine conflict q8	Russland/Ukraine-Konflikt Frage 8
3.110)	vg_fambus	family business	Familienunternehemen
3.111)	vg_minim1	minimum wage q1	Mindestlohn Frage 1
3.112)	vg_minim2	minimum wage q2	Mindestlohn Frage 2
3.113)	vg_minim3 vg_minim4	minimum wage q3 minimum wage q4	Mindestlohn Frage 3 Mindestlohn Frage 4
3.114)	vg_minim5	minimum wage q5	Mindestlohn Frage 4 Mindestlohn Frage 5
3.116)	vg_minim6	minimum wage q6	Mindestlohn Frage 6
3.117)	vg_minim7	minimum wage q7	Mindestlohn Frage 7
3.118)	vg_minim8	minimum wage q8	Mindestlohn Frage 8
3.119)	vg_invest_lj	total investment last year investment in construction last year	Gesamtinvestitionen letztes Jahr
3.120)	vg_invcon_lj vg_inveq_lj	investment in construction last year	Investitionen in Bauten letztes jahr
3.121)	vg_inveq_ij vg_invest_dj	total investment this year	Investitionen in Ausrüstung letztes Jahr Gesamtinvestitionen dieses Jahr
3.123)	vg_invest_uj vg_invcon_dj	investment in construction this year	Investitionen in Bauten dieses Jahr
3.124)	vg_inveq_dj	investment in equipment this year	Investitionen in Ausrüstung dieses Jahr
3.125)	vg_invest_nj	total investment next year	Investitionen im kommenden Jahr, Insgesamt
3.126)	vg_invcon_nj	investment in construction next year	Investitionen im kommenden Jahr, Bauten
3.127)	vg_inveq_nj	investment in equipment next year refugees question1	Investitionen im kommenden Jahr, Ausrüstung
3.128)	vg_ref1 vg_ref2	refugees question2	Flüchtlinge Frage 1 Flüchtlinge Frage 2
3.130)	vg_ref3	refugees question3	Flüchtlinge Frage 3
3.131)	vg_ref4	refugees question4	Flüchtlinge Frage 4
3.132)	vg_ref5	refugees question5	Flüchtlinge Frage 5
3.133)	vg_ref6	refugees question6	Flüchtlinge Frage 6
3.134)	vg_ref7	refugees question?	Flüchtlinge Frage 7
3.135)	vg_ref8	refugees question8 refugees question9	Flüchtlinge Frage 8
3.136) 3.137)	vg_ref9 vg_minim_post1	affected by minimum wage	Flüchtlinge Frage 9 von Mindestlohn betroffen
	-9_11111111_bost1		von mindesdomi bedronen
3.138)	vg minim post2	no minimum wage measures	keine Mindestlohn- Maßnahmen
3.138)	vg_minim_post2 vg_minim_post3	no minimum wage measures measures: employee reduction	keine Mindestlohn- Maßnahmen Maßnahmen: Personalabbau
		measures: employee reduction measures: working hour reduction	
3.139) 3.140) 3.141)	vg_minim_post3 vg_minim_post4 vg_minim_post5	measures: employee reduction measures: working hour reduction measures: increased prices	Maßnahmen: Personalabbau Maßnahmen: Arbeitszeitreduzierung Maßnahmen: Preiserhöhungen
3.139) 3.140) 3.141) 3.142)	vg_minim_post3 vg_minim_post4 vg_minim_post5 vg_minim_post6	measures: employee reduction measures: working hour reduction measures: increased prices measures: decreased investment	Maßnahmen: Personalabbau Maßnahmen: Arbeitszeitreduzierung Maßnahmen: Preiserhöhungen Maßnahmen: verringerte Investitionen
3.139) 3.140) 3.141) 3.142) 3.143)	vg_minim_post3 vg_minim_post4 vg_minim_post5 vg_minim_post6 vg_minim_post7	measures: employee reduction measures: working hour reduction measures: increased prices measures: decreased investment measures: decreased special payments	Maßnahmen: Personalabbau Maßnahmen: Arbeitszeitreduzierung Maßnahmen: Preiserhöhungen Maßnahmen: verringerte Investitionen Maßnahmen: Kürzungen von Sonderzahlungen
3.139) 3.140) 3.141) 3.142) 3.143) 3.144)	vg_minim_post3 vg_minim_post4 vg_minim_post5 vg_minim_post6 vg_minim_post7 vg_minim_post8	measures: employee reduction measures: working hour reduction measures: increased prices measures: decreased investment measures: decreased special payments less minijobs	Maßnahmen: Personalabbau Maßnahmen: Arbeitszeitreduzierung Maßnahmen: Preiserhöhungen Maßnahmen: verringerte Investitionen Maßnahmen: Kürzungen von Sonderzahlungen Minijobs weggefallen
3.139) 3.140) 3.141) 3.142) 3.143) 3.144) 3.145)	vg_minim_post3 vg_minim_post4 vg_minim_post5 vg_minim_post6 vg_minim_post7 vg_minim_post8 vg_minim_post9	measures: employee reduction measures: working hour reduction measures: increased prices measures: decreased investment measures: decreased special payments less minijobs minijobs transformed into insurable employment	Maßnahmen: Personalabbau Maßnahmen: Arbeitszeitreduzierung Maßnahmen: Preiserhöhungen Maßnahmen: Periserhöhungen Maßnahmen: Verringerte Investitionen Maßnahmen: Kürzungen von Sonderzahlungen Minijobs weggefallen Minijobs in soz.vers. pflichtige Besch. verhältnisse umgewandelt
3.139) 3.140) 3.141) 3.142) 3.143) 3.144) 3.145) 3.146)	vg_minim_post3 vg_minim_post4 vg_minim_post5 vg_minim_post6 vg_minim_post7 vg_minim_post8 vg_minim_post9 vg_minim_post10	measures: employee reduction measures: working hour reduction measures: increased prices measures: decreased investment measures: decreased special payments less minijobs	Maßnahmen: Personalabbau  Maßnahmen: Arbeitszeitreduzierung  Maßnahmen: Preiserhöhungen  Maßnahmen: verringerte Investitionen  Maßnahmen: Kürzungen von Sonderzahlungen  Minijobs weggefallen  Minijobs in soz.vers. pflichtige Besch. verhältnisse umgewandelt  neue soz. vers. pflichtige Besch. verhältnisse
3.139) 3.140) 3.141) 3.142) 3.143) 3.144) 3.145)	vg_minim_post3 vg_minim_post4 vg_minim_post5 vg_minim_post6 vg_minim_post7 vg_minim_post8 vg_minim_post9	measures: employee reduction measures: working hour reduction measures: increased prices measures: decreased investment measures: decreased special payments less minijobs minijobs transformed into insurable employment new insurable employment	Maßnahmen: Personalabbau Maßnahmen: Arbeitszeitreduzierung Maßnahmen: Preiserhöhungen Maßnahmen: Periserhöhungen Maßnahmen: Verringerte Investitionen Maßnahmen: Kürzungen von Sonderzahlungen Minijobs weggefallen Minijobs in soz.vers. pflichtige Besch. verhältnisse umgewandelt
3.139) 3.140) 3.141) 3.142) 3.143) 3.144) 3.145) 3.146) 3.147)	vg_minim_post3 vg_minim_post4 vg_minim_post5 vg_minim_post6 vg_minim_post7 vg_minim_post8 vg_minim_post9 vg_minim_post10 vg_minim_post11	measures: employee reduction measures: working hour reduction measures: increased prices measures: decreased investment measures: decreased special payments less minijobs minijobs transformed into insurable employment new insurable employment employment relationships did not change	Maßnahmen: Personalabbau Maßnahmen: Arbeitszeitreduzierung Maßnahmen: Periserhöhungen Maßnahmen: reiringerte Investitionen Maßnahmen: Kürzungen von Sonderzahlungen Minijobs weggefallen Minijobs in soz.vers.pflichtige Besch.verhältnisse umgewandelt neue soz.vers.pflichtige Besch.verhältnisse keine veränderten Besch.Verhältnisse
3.139) 3.140) 3.141) 3.142) 3.143) 3.144) 3.145) 3.146) 3.147) 3.148)	vg_minim_post3 vg_minim_post4 vg_minim_post5 vg_minim_post6 vg_minim_post7 vg_minim_post8 vg_minim_post9 vg_minim_post10 vg_minim_post11 vg_credityes	measures: employee reduction measures: working hour reduction measures: increased prices measures: decreased investment measures: decreased special payments less minijobs minijobs transformed into insurable employment new insurable employment employment relationships did not change credit agreement signed	Maßnahmen: Personalabbau Maßnahmen: Arbeitszeitreduzierung Maßnahmen: Preiserhöhungen Maßnahmen: reiringerte Investitionen Maßnahmen: Kürzungen von Sonderzahlungen Minijobs weggefallen Minijobs in soz. vers. pflichtige Besch. verhältnisse umgewandelt neue soz. vers. pflichtige Besch. verhältnisse keine veränderten Besch. Verhältnisse Kreditvertrag abgeschlossen

3.152)	vg credituse3	other financing	Sonstiger Verwendungszweck
3.153)	vg_brexit	expected impact from brexit	Erwartete Auswirkungen von einem Brexit
3.154)	vg midmanager	mid tier: more than 4 managers	Mittlestand: mehr als 4 Manager
3.155)	vg midmanshare	mid tier: at least one manager has shares	Mittelstand: Mindestens ein Manager hat Anteile
3.156)	vg midyes	mid tier: company rated as mid tier	Mittelstand: Als Mittelstand eingeschätzt
3.157)	vg_usgov_exp_1	new US government: expect new customs	neue US Regierung: neue Zölle erwartet
3.158)	vg_usgov_exp_2	new US government: expect increased customs	neue US Regierung: Zollerhöhung erwartet
3.159)	vg_usgov_exp_3	new US government: expect other barriers	neue US Regierung: andere Handelsbarrieren erwartet
3.160)	vg_usgov_exp_4	new US government: expect no change	neue US Regierung: keine Veränderung erwartet
3.161)	vg_usgov_inf_1	new US government influence: more production	neue US Regierung Einfluss: mehr Produktion
3.162)	vg_usgov_inf_2	new US government influence: opening of new branches	neue US Regierung Einfluss: weitere Niederlassung gründen
3.163)	vg_usgov_inf_3	new US government influence: no US exports	neue US Regierung Einfluss: keine Exporte in die USA
3.164)	vg_usgov_rev	new US government: revenue expectations	neue US Regierung: Umsatzerwartungen
3.165)	vg_usgov_des	new US government: importance as destination	neue US Regierung: Wichtigkeit als Exportziel
3.166)	vg_usgov_orig	new US government: importance as origin	neue US Regierung: Wichtigkeit als Importursprung
3.167)	vg_usgov_prod	new US government: importance as production location	neue US Regierung: Wichtigekeit als Produktionsstandort
3.168)	vg_credit2_1	credit seeking	Kreditverhandlungen durchgeführt
3.169)	vg_credit2_2	credit allocation	Kreditvergabe: Verhalten der Banken
3.170)	vg_credit2_3	reasons for not credit seeking	Gründe für keine Kreditverhandlungen
3.171)	vg_negint	confronted with negative interest rates	Wurden Sie mit Negativzinsen konfrontiert?
3.172)	vg_negint_noact	negative interest actions: none	Keine Maßnahmen
3.173)	vg_negint_agree	negative interest actions: bank agreements	Verhandlungen mit Bank
3.174)	vg_negint_change	negative interest actions: change of bank	Wechsel der Bank
3.175)	vg_negint_inc	negative interest actions: increase of cash	Erhöhung der Bargeldhaltung
3.176)	un maniat under	negative interest actions: redeployment in other financial assets and	Umschichtung Finanzanlagen/Rückzahlung von Krediten
	vg_negint_redas	settlement of credits	-
3.177)	vg_negint_redasint	negative interest actions: redeployment of assets within company	Umschichtung des Guthabens
2.470	. <u></u>		to a self-transaction of the s
3.178)	vg_negint_inv	negative interest actions: investing or preponing (additional) investment	Investitionen s
3.179)	vg_negint_oth	negative interest actions: other	Andere
3.180)	vg_negint_burden	burden of negative interest rates on profit situation	Belastung durch Negativzinsproblematik
3.181)	vg_negint_banks	number of relationship banks	Wie viele Banken?
3.182)	vg_mercoex	export to Mercosur area	Export in Mersosur-Raum
3.183)	vg_mercoex_tariffs	export to Mercosur area if: trade tariffs decrease	Handelszölle
1.184)	vg_mercoex_transco	export to Mercosur area if: transport costs decrease	Transportkosten
1.185)	vg_mercoex_techsta	export to Mercosur area if: technical standards equalized	technsiche Standards und Normen
1.186)	vg_mercoex_admin	export to Mercosur area if: administrative obstacles disappear	bürokratische Hindernisse
1.187)	vg_mercoex_polrisk	export to Mercosur area if: political risks decrease	politische Risiken
			•
1.188)	vg_mercoex_serv	export to Mercosur area if: access to service markets facilitated	Zugang zu Dienstleistungsmärkten
1.189)	vg_mercoex_pubten	export to Mercosur area if: access to public tenders facilitated	Zugang zu öffentlichen Ausschreibungten
1.190)	vg_mercoagree_ex	If free trade agreement EU-Mercosur: export more to M.	Export in Mercosur
1.190) 1.191)	vg_mercoagree_ex vg_mercoagree_im	If free trade agreement EU-Mercosur: export more to M.  If free trade agreement EU-Mercosur: import more from M.	Export in Mercosur Import aus Mercosur
1.191)	vg_mercoagree_im	If free trade agreement EU-Mercosur: import more from M.	Import aus Mercosur
1.191) 1.192) 1.193)	vg_mercoagree_im vg_mercoagree_inv vg_mercoagree_comp	If free trade agreement EU-Mercosur: import more from M.  If free trade agreement EU-Mercosur: invest more in M.  If free trade agreement EU-Mercosur: more competition from M.	Import aus Mercosur Invetitionen im Mercusor Erhöhter Wettbewerb durch Unternehmen aus Mercosur
1.191) 1.192) 1.193) 1.194)	vg_mercoagree_im vg_mercoagree_inv vg_mercoagree_comp vg_mercoagree_no	If free trade agreement EU-Mercosur: import more from M. If free trade agreement EU-Mercosur: invest more in M. If free trade agreement EU-Mercosur: more competition from M. If free trade agreement EU-Mercosur: no impact	Import aus Mercosur Invetitionen im Mercusor Erhöhter Wettbewerb durch Unternehmen aus Mercosur Nicht betroffen
1.191) 1.192) 1.193) 1.194) 3.195)	vg_mercoagree_im vg_mercoagree_inv vg_mercoagree_comp vg_mercoagree_no vg_ustax_sales	If free trade agreement EU-Mercosur: import more from M.  If free trade agreement EU-Mercosur: invest more in M.  If free trade agreement EU-Mercosur: more competition from M.  If free trade agreement EU-Mercosur: no impact tax reform: percentage sales in US	Import aus Mercosur Invetitionen im Mercusor Erhöhter Wettbewerb durch Unternehmen aus Mercosur Nicht betroffen US Steuerreform: prozentualer Umsatz in USA
1.191) 1.192) 1.193) 1.194) 3.195) 3.196)	vg_mercoagree_im vg_mercoagree_inv vg_mercoagree_comp vg_mercoagree_no vg_ustax_sales vg_ustax_competition	If free trade agreement EU-Mercosur: import more from M. If free trade agreement EU-Mercosur: invest more in M. If free trade agreement EU-Mercosur: more competition from M. If free trade agreement EU-Mercosur: no impact	Import aus Mercosur Invetitionen im Mercusor Erhöhter Wettbewerb durch Unternehmen aus Mercosur Nicht betroffen US Steuerreform: prozentualer Umsatz in USA US Steuerreform: Wettbewerb mit US-Firmen
1.191) 1.192) 1.193) 1.194) 3.195) 3.196) 3.197)	vg_mercoagree_im vg_mercoagree_inv vg_mercoagree_comp vg_mercoagree_no vg_ustax_sales vg_ustax_competition vg_ustax_shortterm	If free trade agreement EU-Mercosur: import more from M.  If free trade agreement EU-Mercosur: invest more in M.  If free trade agreement EU-Mercosur: more competition from M.  If free trade agreement EU-Mercosur: no impact tax reform: percentage sales in US tax reform: competition with US-companies	Import aus Mercosur Invetitionen im Mercusor Erhöhter Wettbewerb durch Unternehmen aus Mercosur Nicht betroffen US Steuerreform: prozentualer Umsatz in USA US Steuerreform: Wettbewerb mit US-Firmen US Steuerreform: Steuerbelastung kurzfristig
1.191) 1.192) 1.193) 1.194) 3.195) 3.196) 3.197) 3.198)	vg_mercoagree_im vg_mercoagree_inv vg_mercoagree_comp vg_mercoagree_no vg_ustax_sales vg_ustax_competition vg_ustax_shortterm vg_ustax_longterm	If free trade agreement EU-Mercosur: import more from M.  If free trade agreement EU-Mercosur: invest more in M.  If free trade agreement EU-Mercosur: more competition from M.  If free trade agreement EU-Mercosur: no impact tax reform: percentage sales in US tax reform: competition with US-companies tax reform: tax burden short term tax reform: tax burden long term	Import aus Mercosur Invetitionen im Mercusor Erhöhter Wettbewerb durch Unternehmen aus Mercosur Nicht betroffen US Steuerreform: prozentualer Umsatz in USA US Steuerreform: Wettbewerb mit US-Firmen US Steuerreform: Steuerbelastung kurzfristig US Steuerreform: Steuerbelastung langfristig
1.191) 1.192) 1.193) 1.194) 3.195) 3.196) 3.197) 3.198) 3.199)	vg_mercoagree_im vg_mercoagree_inv vg_mercoagree_comp vg_mercoagree_no vg_ustax_sales vg_ustax_competition vg_ustax_shortterm vg_ustax_longterm vg_ustax_export	If free trade agreement EU-Mercosur: import more from M.  If free trade agreement EU-Mercosur: invest more in M.  If free trade agreement EU-Mercosur: more competition from M.  If free trade agreement EU-Mercosur: no impact tax reform: percentage sales in US tax reform: competition with US-companies tax reform: tax burden short term tax reform: tax burden long term tax reform: reaction export	Import aus Mercosur Invetitionen im Mercusor Erhöhter Wettbewerb durch Unternehmen aus Mercosur Nicht betroffen US Steuerreform: prozentualer Umsatz in USA US Steuerreform: Wettbewerb mit US-Firmen US Steuerreform: Steuerbelastung kurzfristig US Steuerreform: Steuerbelastung langfristig US Steuerreform: Reaktion Exporte
1.191) 1.192) 1.193) 1.194) 3.195) 3.196) 3.197) 3.198)	vg_mercoagree_im vg_mercoagree_inv vg_mercoagree_comp vg_mercoagree_no vg_ustax_sales vg_ustax_competition vg_ustax_competerm vg_ustax_longterm vg_ustax_export vg_ustax_import	If free trade agreement EU-Mercosur: import more from M.  If free trade agreement EU-Mercosur: invest more in M.  If free trade agreement EU-Mercosur: more competition from M.  If free trade agreement EU-Mercosur: no impact tax reform: percentage sales in US tax reform: competition with US-companies tax reform: tax burden short term tax reform: tax burden long term tax reform: reaction export tax reform: reaction import	Import aus Mercosur Invetitionen im Mercusor Erhöhter Wettbewerb durch Unternehmen aus Mercosur Nicht betroffen US Steuerreform: prozentualer Umsatz in USA US Steuerreform: Wettbewerb mit US-Firmen US Steuerreform: Steuerbelastung kurzfristig US Steuerreform: Steuerbelastung langfristig
1.191) 1.192) 1.193) 1.194) 3.195) 3.196) 3.197) 3.198) 3.199) 3.200)	vg_mercoagree_im vg_mercoagree_inv vg_mercoagree_comp vg_mercoagree_no vg_ustax_sales vg_ustax_competition vg_ustax_shortterm vg_ustax_longterm vg_ustax_export vg_ustax_import vg_ustax_inport vg_ustax_invus	If free trade agreement EU-Mercosur: import more from M.  If free trade agreement EU-Mercosur: invest more in M.  If free trade agreement EU-Mercosur: more competition from M.  If free trade agreement EU-Mercosur: no impact tax reform: percentage sales in US tax reform: competition with US-companies tax reform: tax burden short term tax reform: tax burden long term tax reform: reaction export tax reform: reaction import tax reform: reaction import tax reform: reaction investment in US	Import aus Mercosur Invetitionen im Mercusor Erhöhter Wettbewerb durch Unternehmen aus Mercosur Nicht betroffen US Steuerreform: prozentualer Umsatz in USA US Steuerreform: Wettbewerb mit US-Firmen US Steuerreform: Steuerbelastung kurzfristig US Steuerreform: Steuerbelastung langfristig US Steuerreform: Reaktion Exporte US Steuerreform: Reaktion Importe US Steuerreform: Reaktion Importe
1.191) 1.192) 1.193) 1.194) 3.195) 3.196) 3.197) 3.198) 3.199) 3.200) 3.201)	vg_mercoagree_im vg_mercoagree_inv vg_mercoagree_comp vg_mercoagree_no vg_ustax_sales vg_ustax_competition vg_ustax_shortterm vg_ustax_longterm vg_ustax_export vg_ustax_import vg_ustax_invus vg_ustax_invus vg_ustax_invus	If free trade agreement EU-Mercosur: import more from M.  If free trade agreement EU-Mercosur: invest more in M.  If free trade agreement EU-Mercosur: more competition from M.  If free trade agreement EU-Mercosur: no impact tax reform: percentage sales in US tax reform: competition with US-companies tax reform: tax burden short term tax reform: tax burden long term tax reform: reaction export tax reform: reaction import	Import aus Mercosur Invetitionen im Mercusor Erhöhter Wettbewerb durch Unternehmen aus Mercosur  Nicht betroffen US Steuerreform: prozentualer Umsatz in USA US Steuerreform: Wettbewerb mit US-Firmen US Steuerreform: Steuerbelastung kurzfristig US Steuerreform: Reaktion Exporte US Steuerreform: Reaktion Importe US Steuerreform: Reaktion Investitionen in USA US Steuerreform: Reaktion Investitionen in USA US Steuerreform: Reaktion Investitionen in Deutschland
1.191) 1.192) 1.193) 1.194) 3.195) 3.196) 3.197) 3.198) 3.199) 3.200) 3.201) 3.202)	vg_mercoagree_im vg_mercoagree_inv vg_mercoagree_comp vg_mercoagree_no vg_ustax_sales vg_ustax_competition vg_ustax_shortterm vg_ustax_longterm vg_ustax_export vg_ustax_import vg_ustax_inport vg_ustax_invus	If free trade agreement EU-Mercosur: import more from M.  If free trade agreement EU-Mercosur: invest more in M.  If free trade agreement EU-Mercosur: more competition from M.  If free trade agreement EU-Mercosur: no impact tax reform: percentage sales in US tax reform: competition with US-companies tax reform: tax burden short term tax reform: tax burden long term tax reform: reaction export tax reform: reaction import tax reform: reaction investment in US tax reform: reaction investment in Germany	Import aus Mercosur Invetitionen im Mercusor Erhöhter Wettbewerb durch Unternehmen aus Mercosur Nicht betroffen US Steuerreform: prozentualer Umsatz in USA US Steuerreform: Wettbewerb mit US-Firmen US Steuerreform: Steuerbelastung kurzfristig US Steuerreform: Steuerbelastung langfristig US Steuerreform: Reaktion Exporte US Steuerreform: Reaktion Importe US Steuerreform: Reaktion Importe
1.191) 1.192) 1.193) 1.194) 3.195) 3.196) 3.197) 3.198) 3.199) 3.200) 3.201) 3.202) 3.203)	vg_mercoagree_im vg_mercoagree_inv vg_mercoagree_comp vg_ustax_sales vg_ustax_competition vg_ustax_shortterm vg_ustax_longterm vg_ustax_export vg_ustax_invus vg_ustax_invus vg_ustax_invger vg_ustax_invger vg_ustax_intelprop	If free trade agreement EU-Mercosur: import more from M.  If free trade agreement EU-Mercosur: invest more in M.  If free trade agreement EU-Mercosur: more competition from M.  If free trade agreement EU-Mercosur: no impact tax reform: percentage sales in US  tax reform: percentage sales in US  tax reform: tax burden short term  tax reform: tax burden long term  tax reform: reaction export  tax reform: reaction import  tax reform: reaction investment in US  tax reform: reaction investment in Germany  tax reform: relocation of intellectual property	Import aus Mercosur Invetitionen im Mercusor Erhöhter Wettbewerb durch Unternehmen aus Mercosur Nicht betroffen US Steuerreform: prozentualer Umsatz in USA US Steuerreform: Wettbewerb mit US-Firmen US Steuerreform: Steuerbelastung kurzfristig US Steuerreform: Steuerbelastung langfristig US Steuerreform: Reaktion Exporte US Steuerreform: Reaktion Importe US Steuerreform: Reaktion Investitionen in USA US Steuerreform: Reaktion Investitionen in Deutschland US Steuerreform: Reaktion Investitionen in Deutschland US Steuerreform: Verlagerung von geistigen Eigentum
1.191) 1.192) 1.193) 1.194) 3.195) 3.196) 3.197) 3.198) 3.199) 3.200) 3.201) 3.202) 3.203) 3.204)	vg_mercoagree_im vg_mercoagree_inv vg_mercoagree_comp vg_ustax_sales vg_ustax_competition vg_ustax_shortterm vg_ustax_longterm vg_ustax_export vg_ustax_invus vg_ustax_invus vg_ustax_invus vg_ustax_invger vg_ustax_intelprop vg_gdp1	If free trade agreement EU-Mercosur: import more from M.  If free trade agreement EU-Mercosur: invest more in M.  If free trade agreement EU-Mercosur: more competition from M.  If free trade agreement EU-Mercosur: more competition from M.  If free trade agreement EU-Mercosur: no impact tax reform: percentage sales in US tax reform: competition with US-companies tax reform: tax burden short term tax reform: tax burden long term tax reform: reaction export tax reform: reaction import tax reform: reaction investment in US tax reform: reaction investment in Germany tax reform: relocation of intellectual property real gdp: % change comp. last year	Import aus Mercosur Invetitionen im Mercusor Erhöhter Wettbewerb durch Unternehmen aus Mercosur Nicht betroffen US Steuerreform: prozentualer Umsatz in USA US Steuerreform: Wettbewerb mit US-Firmen US Steuerreform: Steuerbelastung kurzfristig US Steuerreform: Steuerbelastung langfristig US Steuerreform: Reaktion Exporte US Steuerreform: Reaktion Importe US Steuerreform: Reaktion Investitionen in USA US Steuerreform: Reaktion Investitionen in Deutschland US Steuerreform: Reaktion Investitionen in Deutschland US Steuerreform: Verlagerung von geistigen Eigentum reales BIP: prozentuale Änderung vgl. zum Vorjahr
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3.224)	vg_extserv_ny_fin	business proc. by external serv. provscope next 5 years: finance	Geschäftsproz. durch externe DL -Umfang nächste 5 Jahre: Finanzen
3.225)	vg_extserv_ny_empl	business proc. by external serv. provscope next 5 years: employees	Geschäftsproz. durch externe DL -Umfang nächste 5 Jahre: Personal
3.226)	vg_extserv_ny_log	business proc. by external serv. provscope next 5 years: logistics	Geschäftsproz. durch externe DL -Umfang nächste 5 Jahre: Logistik
3.227)	vg_found	founding year	Gründungsjahr
3.228)	vg_forsales	sales: % in foreign country	Umsatz in Ausland (%)
3.229)	vg invit dj	investment in Software/database this year	Investitionen in Software/Datenbänke dieses Jahr
3.230)	vg invit nj	investment in Software/Database next year	Investitionen in Software/Datenbänke nächstes Jahr
3.231)	vg_sec_management	sector - questionnaire completed in: management	Sektor - Fragebogen ausgefüllt in Geschäftsführung
3.232)	vg_sec_controlling	sector - questionnaire completed in: controlling	Sektor - Fragebogen ausgefüllt in Controlling
3.233)	vg sec marketing	sector - questionnaire completed in: marketing	Sektor - Fragebogen ausgefüllt in Vertrieb
3.234)	vg_sec_marketing	sector - questionnaire completed in: production	Sektor - Fragebogen ausgefüllt in Produktion
3.235)		sector - questionnaire completed in: other	Sektor - Fragebogen ausgefüllt in Sonstiges
	vg_sec_other	sector - questionnaire completed in: other description	Sektor - Fragebogen ausgefüllt in Sonstiges Beschriebung
3.236)	vg_sec_other_descr		
3.237)	vg_pos_director	position - questionnaire completed by: director	Position - Fragebogen ausgefüllt von Geschäftsleitung
3.238)	vg_pos_manager	position - questionnaire completed by: manager	Position - Fragebogen ausgefüllt von Abteilungsleitung
3.239)	vg_pos_teamleader	position - questionnaire completed by: team leader	Position - Fragebogen ausgefüllt von Teamleiter
3.240)	vg_pos_clerk	position - questionnaire completed by: clerk	Position - Fragebogen ausgefüllt von Sachbearbeiter
3.241)	vg_pos_other	position - questionnaire completed by: other	Position - Fragebogen ausgefüllt von Sonstiges
3.242)	vg_pos_other_descr	position - questionnaire completed by: other description	Position - Fragebogen ausgefüllt von Sonstiges Beschreibung
3.243)	vg_brexit_prob	hard brexit - probability	Wahrscheinlichkeit für harten Brexit
3.244)	vg_brexit_problb	hard brexit - probability lower bound	Wahrscheinlichkeitsintervall für harten Brexit (untere Grenze)
3.245)	vg_brexit_probub	hard brexit - probability upper bound	Wahrscheinlichkeitsintervall für harten Brexit (obere Grenze)
3.246)	vg_brexit_rev	hard brexit - affected revenue share	Von hartem Brexit betroffener Umsatzanteil
3.247)	vg_brexit_impact	hard brexit - impact	Einfluss eines harten Brexit
3.248)	vg_uticapaa	capacity utilization (annual average)	Auslastung der Anlagen (im Jahresdurchschnitt)
3.249)	vg_gdp3	real gdp: % change comp. last year (2019 vs 2018)	reales BIP: prozentuale Änderung vgl. zum Vorjahr (2019 vs 2018)
3.250)	vg_gdp4	real gdp: % change comp. last year (2020 vs 2019)	reales BIP: prozentuale Änderung vgl. zum Vorjahr (2020 vs 2019)
3.251)	vg_heat_occ	weather - occurance: heat wave	Wetterereignis - Betroffen: Hitzewelle
3.252)	vg cold occ	weather - occurance: cold wave	Wetterereignis - Betroffen: Kältewellen
3.253)	vg drought occ	weather - occurance: drought	Wetterereignis - Betroffen: Trockenheit
3.254)	vg_rain_occ	weather - occurance: heavy rain	Wetterereignis - Betroffen: Starkregen
3.255)	vg_storm_occ	•	
3.256)	vg_heat_imp	weather - occurance: storms	Wetterereignis - Betroffen: Stürme
3.257)	vg_nede_imp	weather - impact: heatwaves	Wetterereignis - Auswirkung: Hitzewelle
3.258)	vg_drought_imp	weather - impact: coldwaves	Wetterereignis - Auswirkung: Kältewellen
3.259)	vg_drought_http	weather - impact: drought	Wetterereignis - Auswirkung: Trockenheit
3.260)		weather - impact: heavy rain	Wetterereignis - Auswirkung: Starkregen
	vg_storm_imp	weather - impact: storms	Wetterereignis - Auswirkung: Stürme
3.261)	vg_heat_inc	weather - incidence and intensity: heatwaves	Wetterereignis - Häufigkeit und Intensität: Hitzewelle
3.262)	vg_cold_inc	weather - incidence and intensity: coldwaves	Wetterereignis - Häufigkeit und Intensität: Kältewellen
3.263)	vg_drought_inc	weather - incidence and intensity: drought	Wetterereignis - Häufigkeit und Intensität: Trockenheit
3.264)	vg_rain_inc	weather - incidence and intensity: heavy rain	Wetterereignis - Häufigkeit und Intensität: Starkregen
3.265)	vg_storm_inc	weather - incidence and intensity: storms	Wetterereignis - Häufigkeit und Intensität: Stürme
3.266)	vg_heat_prep	weather - prepared: heatwaves	Wetterereignis - Vorbereitet: Hitzewelle
3.267)	vg_cold_prep	weather - prepared: coldwaves	Wetterereignis - Vorbereitet: Kältewellen
3.268)	vg_drought_prep	weather - prepared: drought	Wetterereignis - Vorbereitet: Trockenheit
3.269)	vg_rain_prep	weather - prepared: heavy rain	Wetterereignis - Vorbereitet: Starkregen
3.270)	vg_storm_prep	weather - prepared: storms	Wetterereignis - Vorbereitet: Stürme
3.271)	vg_log_services_avail	business activities hindered by logistics services: availability	Geschäftstätigkeit behindert durch Logistikdienstleistungen: Verfügbarkeit
3.272)	vg_log_services_prices	business activities hindered by logistics services: prices	Geschäftstätigkeit behindert durch Logistikdienstleistungen: Preise
3.273)	vg_log_services_punct	business activities hindered by logistics services: punctuality	Geschäftstätigkeit behindert durch Logistikdienstleistungen: Pünktlichkeit
3.274)	vg_log_services_qual	business activities hindered by logistics services: quality	Geschäftstätigkeit behindert durch Logistikdienstleistungen: Qualität
3.275)	vg_invit_lj	investment in Software/database last year	Investitionen in Software/Datenbanken letztes Jahr
3.276)	vg_rd_pers	share of research and developement: personnel	Anteil FuE-Ausgaben: Personal
3.277)	vg_rd_inst	share of research and developement: research by universities and institutes	Anteil FuE-Ausgaben: Auftragsforschung Universitäten und Forschungsinstitute
3.278)	vg rd comp	share of research and developement: other companies	Anteil FuE-Ausgaben: Auftragsforschung durch andere Unternehmen
3.279)	vg_support_eu	rd support by: EU	FuE-Förderung durch: EU
3.280)	vg_support_fmer	rd support by: Federal Ministry for Education and Research	FuE-Förderung durch: Bundesministerium für Bildung und Forschung
3.281)	vg_support_fmeae	rd support by: Federal Ministry for Economic Affairs and Energy	FuE-Förderung durch: Bundesministerium für Wirtschaft und Energie
3.282)	vg_support_fed	rd support by: Federal Ministry for Economic Arians and Energy rd support by: Federal State	FuE-Förderung durch: Bundesland
3.283)	vg_support_other	rd support by: other	
3.284)		rd support by: other rd support by: none	FuE-Förderung durch: Andere FuE-Förderung durch: Keine
	vg_support_none		
3.285) 3.286)	vg_use_rdsup	use of public rd support effect of rd support: spendings	Nutzung steuerlicher FuE-Förderung Effekt steuerlicher FuE-Förderung auf: FuE-Ausgaben
	vg_effect_sp		
3.287)	vg_effect_pr	effect of rd support: projects	Effekt steuerlicher FuE-Förderung auf: Anzahl FuE-Projekte

\*standard question since 07/1997. See 2.14)
\*\*standard question since 08/2008. See 2.19)

#### 4. Special question Innovation

Nr.	Name	Label	Label
4.1)	vg_market_national_1	development of national market in next 5 years	Entwicklung des nationalen Marktes in den nächsten 5 Jahren
4.2)	vg_market_national_2	development of national market in next 5 years	Entwicklung des nationalen Marktes in den nächsten 5 Jahren
4.3)	vg_market_abroad_1	development of foreign market in next 5 years	Entwicklung des ausländischen Marktes in den nächsten 5 Jahren
4.4)	vg_market_abroad_2	development of foreign market in next 5 years	Entwicklung des ausländischen Marktes in den nächsten 5 Jahren
4.5)	vg_market_total_1	development of market in general in next 5 years	Entwicklung des Marktes allgemein in den nächsten 5 Jahren
4.6)	vg_market_total_2	development of market in general in next 5 years	Entwicklung des Marktes allgemein in den nächsten 5 Jahren
4.7)	vg_prod_inno_realized	product innovation realized this year	Produktinnovationen durchgeführt
4.8)	vg_prod_inno_aborted	product innovation aborted this year	Produktinnovationen abgebrochen
4.9)	vg_prod_inno_plan_completed	product innovation planning completed this year	Planung für Produktinnovationen abgeschlossen

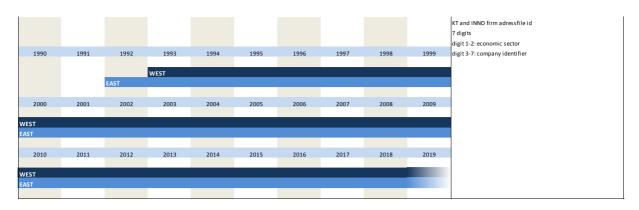
4.10)			
	vg_prod_inno_in_planning	product innovation still in planning stage this year	Produktinnovationen noch in Planungsphase
4.11)	vg_prod_inno_np	product innovation not planned this year	Keine Produktinnovationen geplant
4.12)	vg_process_inno_realized	process innovation realized this year	Prozessinnovationen durchgeführt
4.13)	vg_process_inno_aborted	process innovation aborted this year	Prozessinnovationen abgebrochen
4.14)	vg_process_inno_plan_co		
-1.2-1/	mpleted	process innovation planning completed this year	Planung für Prozessinnovationen abgeschlossen
4.15)	vg_process_inno_in_plann		
4.13)	ing	process innovation still in planning stage this year	Prozessinnovationen noch in Planungsphase
4.16)	vg_process_inno_np	process innovation not planned this year	keine Prozessinnovationen geplant
4.17)	vg_share_inno_phase	share of turnover in stage of product launch	Anteil Produktein Produktstartphase an Umstaz
4.18)	vg_share_growth_phase	share of turnover in stage of positive growth	Anteil Produkte in Phase positiven Wachstums an Umsatz
4.19)	vg_share_stagnation_phas		
4.13)	e	share of turnover in stage of stagnation	Anteil Produkte in Phase von stagnatierendem Wachstum an Umsatz
4.20)	vg_share_negative_growt		
4.20)	h	share of turnover in stage of negative growth	Anteil Produkte in Phase negativen Wachstums an Umsatz
4.21)	vg_rd_activity	R&D activity	FuE Aktivitäten
4.22)	vg_rd_employee_share	share of employees R&D	Anteil FuE-Personals an Beschäftigten
4.23)	vg_rd_expen_share	share of R&D expenditures	Anreil FuE-Ausgaben an Umsatz

	1. Variables	of identifica	tion								
No.	Name		Label				Survey period	i		Survey frequency	
1.1)	survey		survey				West since 0			monthly	
							East since 01	./1991		monthly	
1980	1981	1982	1983	1984	1985	1986	1987	1988	1989	Further information	
WEST											
WEST											
1990	1991	1992	1993	1994	1995	1996	1997	1998	1999		
WEST											
	EAST										
2000	2001	2002	2003	2004	2005	2006	2007	2008	2009		
WEST EAST											
EAST											
2010	2011	2012	2013	2014	2015	2016	2017	2018	2019		
WEST											
EAST											

No.	Name		Label				Survey period	t		Survey frequency
1.2)	year		year				West since 0	1/1980		monthly survey
							East since 01	1/1991		monthly survey
1980	1981	1982	1983	1984	1985	1986	1987	1988	1989	Further information
WEST										W
WEST										Year of survey
										4 digits
1990	1991	1992	1993	1994	1995	1996	1997	1998	1999	
WEST										
	EAST									
2000	2001	2002	2003	2004	2005	2006	2007	2008	2009	
WEST										
EAST										
2010	2011	2012	2013	2014	2015	2016	2017	2018	2019	
WEST										
EAST										

No.	Name		Label				Survey period	i		Survey frequency
1.3)	month month						West since 0			monthly survey monthly survey
							Edst since 01	./1331		monthly survey
1980	1981	1982	1983	1984	1985	1986	1987	1988	1989	Further information
WEST										Month of survey
										1
1990	1991	1992	1993	1994	1995	1996	1997	1998	1999	
WEST										
	EAST									
2000	2001	2002	2003	2004	2005	2006	2007	2008	2009	
2000	2001	2002	2003	2004	2005	2006	2007	2008	2009	
WEST										
EAST										
2010	2011	2012	2013	2014	2015	2016	2017	2018	2019	
WEST										
EAST										

No.	Name		Label				Survey period			Survey frequency
1.4)	idnum KT and INNO firm adressfile id						West since 0	4/1993		monthly survey
							East since 04	/1992	monthly survey	
1980	1981	1982	1983	1984	1985	1986	1987	1988	1989	Further information



No.	Name		Label				Survey period	d		Survey frequency
1.5)	runnum		running numbe	r of plant			West since 0	1/1980		monthly survey
							East since 01	1/1991		monthly survey
1980	1981	1982	1983	1984	1985	1986	1987	1988	1989	Further information
WEST										Running number of plant
1990	1991	1992	1993	1994	1995	1996	1997	1998	1999	
1990	1991	1552	1993	1554	1555	1990	1997	1556	1555	
WEST										
	EAST									
2000	2001	2002	2003	2004	2005	2006	2007	2008	2009	
WEST										
EAST										
2040	2044	2042	2042	2044	2045	2046	2017	2040	2040	
2010	2011	2012	2013	2014	2015	2016	2017	2018	2019	
WEST										
EAST										

NO.	Name		rapei				Survey period	1		Survey frequency
1.6)	vg_plantnum		KT and INNO fire	m adressfile id			West since 0			monthly survey
							East since 01	/1991		monthly survey
1980	1981	1982	1983	1984	1985	1986	1987	1988	1989	Further information
WEST										KT and INNO firm adressfile id, 11 digits
										plantnum is created with the following variables:
1990	1991	1992	1993	1994	1995	1996	1997	1998	1999	digit 1-4: sector_ifo
WEST										digit 5-6: fedstaifo digit 7-11: runnum
	EAST									
2000	2001	2002	2003	2004	2005	2006	2007	2008	2009	
WEST										
EAST										
2010	2011	2012	2013	2014	2015	2016	2017	2018	2019	
WEST										
EAST										

No.	Name		Label				Survey period	I		Survey frequency
1.7)	fedstaifo		federal state (if	o-code)			West since 0 East since 01			monthly survey monthly survey
1980	1981	1982	1983	1984	1985	1986	1987	1988	1989	Further information
WEST										Federal state according to ifo-code
1990	1991	1992	1993	1994	1995	1996	1997	1998	1999	
WEST	EAST									
2000	2001	2002	2003	2004	2005	2006	2007	2008	2009	
WEST										
EAST										

2010	2011	2012	2013	2014	2015	2016	2017	2018	2019
WEST									
EAST									

No.	Name		Label				Survey period	t		Survey frequency
1.8)	vg_westeast		western eastern	ı			West since 0			monthly survey monthly survey
							Edst since of	1/1991		monuny survey
1980	1981	1982	1983	1984	1985	1986	1987	1988	1989	Further information
WEST										Differenciates between eastern and western survey
1990	1991	1992	1993	1994	1995	1996	1997	1998	1999	
WEST										
WEST	EAST									
2000	2001	2002	2003	2004	2005	2006	2007	2008	2009	
WEST										
EAST										
2010	2011	2012	2013	2014	2015	2016	2017	2018	2019	
WEST										
EAST										

No.	Name		Label				Survey period	i		Survey frequency
1.9)	vg_weight		weight				West since 0	1/1980		monthly survey
							East since 01	/1991		monthly survey
1980	1981	1982	1983	1984	1985	1986	1987	1988	1989	Further information
WEST										
										Variable is not collected in the survey but is
1990	1991	1992	1993	1994	1995	1996	1997	1998	1999	constructed later using a formula to calculate.
WEST										weight: calculated by this formula:
******	EAST									(log <sub>10</sub> ('emppro2')) <sup>e</sup>
2000	2001		2003	2004	2005	2006				
2000	2001	2002	2003	2004	2005	2006	2007	2008	2009	Weighting refers to employees per product 'emppro2'
WEST										
EAST										
2010	2011	2012	2013	2014	2015	2016	2017	2018	2019	
WEST										
EAST										

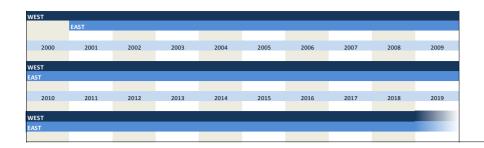
No.		Name		Label				Survey perio	d		Survey frequency
1.10)		vg_latecomer		latecomer				and 08/2008	1/1998 to 12/2	001	monthly survey
1	1980	1981	1982	1983	1984	1985	1986	1987	1988	1989	Further information
											Latecomer  [1] N=latecomer
1	1990	1991	1992	1993	1994	1995	1996	1997	1998	1999	
									WEST EAST		01/2002 to 07/2008 The data of the variable latecomer is not fed in, as a double occupancy of the corresponding column exists in the dataset
2	2000	2001	2002	2003	2004	2005	2006	2007	2008	2009	
WEST EAST									WEST		
2	2010	2011	2012	2013	2014	2015	2016	2017	2018	2019	
WEST EAST											

1.11)	sector_id		sector id				West since 0: East since 01			monthly survey monthly survey
							Eddt Silice Of	71331		monuny survey
1980	1981	1982	1983	1984	1985	1986	1987	1988	1989	Further information
WEST										
WEST										
1990	1991	1992	1993	1994	1995	1996	1997	1998	1999	
WEST										
WEST	EAST									
2000	2001	2002	2003	2004	2005	2006	2007	2008	2009	
WEST										
EAST										
2010	2011	2012	2013	2014	2015	2016	2017	2018	2019	
WEST										
EAST										

	No.	Name		Label				Survey period	i		Survey frequency
	1.12)	sector_ifo		ifo sector class	fication			West since 0	1/1980		monthly survey
								East since 01	/1991		monthly survey
Ī	1980	1981	1982	1983	1984	1985	1986	1987	1988	1989	Further information
	WEST										ifo-product number, 4 digits
											Since 01/1991 the KT is inquired in the east, too.
	1990	1991	1992	1993	1994	1995	1996	1997	1998	1999	The East- data is classified with a Sypro-product number.
	WEST										The Sypro-number is transcoded in a ifo-product number.  But for some Sypro-numbers exist no corresponding
ı	WEST	EAST									ifo-product number.
											·
	2000	2001	2002	2003	2004	2005	2006	2007	2008	2009	
	WEST										used to be: prodnum. Was renamed for for universal naming of sector classifications
	EAST										
	2010	2011	2012	2013	2014	2015	2016	2017	2018	2019	
ı	WEST										
ı	EAST										
L											

No.	Name		Label				Survey period	i		Survey frequency
4.43)	coctor curre		sypro sector cla	:6:			West since 0	1/1000		monthly survey
1.13)	sector_sypro		sypro sector cia	issification			East since 01			monthly survey
							Last since of	./1551		monthly survey
1980	1981	1982	1983	1984	1985	1986	1987	1988	1989	Further information
										Sector label
WEST										Sypro-number
										until 1990:
										2 digits
1990	1991	1992	1993	1994	1995	1996	1997	1998	1999	
WEST										since 1991 in East and West:
	EAST									7 digits
2000	2001	2002	2003	2004	2005	2006	2007	2008	2009	
										Label key: very extensive, on demand,
WEST										see do-File: kt_vg_Panel_Label.do
EAST										
2010	2011	2012	2013	2014	2015	2016	2017	2018	2019	
2010	2011	2012	2013	2014	2015	2016	2017	2018	2019	
WEST										
EAST										

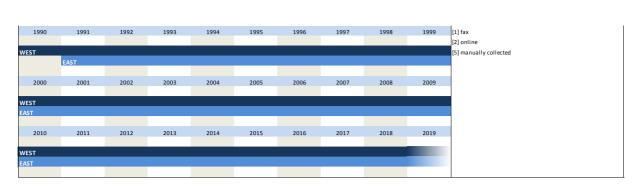
No.	Name		Label				Survey period	ı		Survey frequency
			_							
1.14)	sector_wz93		wz93 sector cla	ssification			West since 0	1/1980		monthly survey
							East since 01	/1991		monthly survey
1980	1981	1982	1983	1984	1985	1986	1987	1988	1989	Further information
WEST										Sector, economic sector(-number) 1993
1990	1991	1992	1993	1994	1995	1996	1997	1998	1999	Label key: very extensive, on demand,
										see do-File: kt_vg_Panel_Label.do



No.	Name		Label				Survey period	t		Survey frequency
1.15)	sector wz08		wz08 sector cla	ssification			West since 0	1/1980		monthly survey
	_						East since 01			monthly survey
1980	1981	1982	1983	1984	1985	1986	1987	1988	1989	Further information
WEST										Sector, economic sector(-number) from 2008
WEST										Sector, economic sector (-number) from 2008
1990	1991	1992	1993	1994	1995	1996	1997	1998	1999	Label key: very extensive, on demand
										see do-File: kt_vg_Panel_Label.do
WEST	EAST									
	27.01									
2000	2001	2002	2003	2004	2005	2006	2007	2008	2009	
WEST EAST										
EAST										
2010	2011	2012	2013	2014	2015	2016	2017	2018	2019	
WEST										
EAST										

No.	Name		Label				Survey perio	d		Survey frequency
1.16)	sector_total		ebdc sector cla	ssification			West since (	01/1980		monthly survey
							East since 0:	1/1991		monthly survey
1980	1981	1982	1983	1984	1985	1986	1987	1988	1989	Further information
WEST	_									Sector, economic sector
										(5) (
1990	1991	1992	1993	1994	1995	1996	1997	1998	1999	[6] food, drinks and tobacco industry [7] textile, clothing, leather
1990	1991	1992	1993	1994	1995	1996	1997	1998	1999	[8] wood industry, production of cork, wooden, braided
WEST										and basket articles (without furniture)
WEST	EAST									[9] paper industry, Production of paper, board
	EAST									and articles thereof
2000	2001	2002	2003	2004	2005	2006	2007	2008	2009	[10] publishing industry, printing industry, reproduction
2000	2001	2002	2003	2004	2003	2000	2007	2008	2003	recorded sound, image and data storage media
WEST										[11] cokery, mineral oil processing, processing of fissile
EAST										and fertile meterials
										[12] chemical industry
2010	2011	2012	2013	2014	2015	2016	2017	2018	2019	[13] pharmazeutical industry
										[14] rubber and plastics industry
WEST										[15] glass and ceramics industry, processing of stones a
EAST										[16] metal industry
										[17] production of data processing devices, electronical
										and optical articles
										[18] production of electric equipment
										[19] machinery construction
										[20] broadcast and communications engineering
										[22] vehicle and vehicle part production
										[23] production of furniture, jewellery, music instrument
										sports equipment, toys and other products
										[24] other production
										[25] repair and installation of machines and equipment

		II. Variables r	egarding the	survey proce	ss					
No.	Name		Label				Survey period			Survey frequency
1.17)	online		online				West 01/199			monthly survey
							and since 07	/2004		
							East since 07	7/2004		monthly survey
198	30 1981	1982	1983	1984	1985	1986	1987	1988	1989	Further information
WEST										Questionnaire answered online
WEST										accommon e disvici ca dinine
										[0] paper



No.	Name		Label				Survey period	t		Survey frequency
1.18)	survey_start		survey start				West since 0	1/2005		monthly survey
							East since 01	1/2005		monthly survey
1980	1981	1982	1983	1984	1985	1986	1987	1988	1989	Further information
										Survey start
										Only refers to the participants who answered the questionna
1990	1991	1992	1993	1994	1995	1996	1997	1998	1999	online.
2000	2001	2002	2003	2004	2005	2006	2007	2008	2009	
					MECT					
					WEST EAST					
2010	2011	2012	2013	2014	2015	2016	2017	2018	2019	
WEST										
EAST										

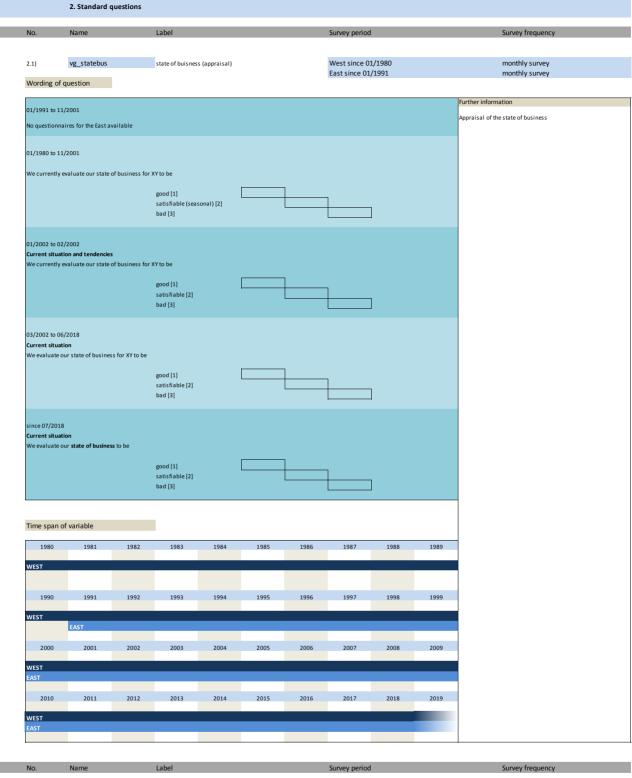
No.	Name		Label				Survey period	t		Survey frequency
1.19)	survey_end		survey end				West since 0			monthly survey
							East since 01	1/2005		monthly survey
1980	1981	1982	1983	1984	1985	1986	1987	1988	1989	Further information
										End of survey
										Only refers to the participants who answered the questionnaire
1990	1991	1992	1993	1994	1995	1996	1997	1998	1999	online.
2000	2001	2002	2003	2004	2005	2006	2007	2008	2009	
					WEST EAST					
					EAST					
2010	2011	2012	2013	2014	2015	2016	2017	2018	2019	
WEST										
LASI										

No.	Name		Label				Survey period	ı		Survey frequency
1.20)	participation	_date	participation da	ete			West since 0			monthly survey
							East since 01	/2005		monthly survey
1980	1981	1982	1983	1984	1985	1986	1987	1988	1989	Further information
										Participation date
										Only refers to the participants who answered the questionnaire online.
1990	1991	1992	1993	1994	1995	1996	1997	1998	1999	online.
2000	2001	2002	2003	2004	2005	2006	2007	2008	2009	
					WEST					
					EAST					
2010	2011	2012	2013	2014	2015	2016	2017	2018	2019	
										· · · · · · · · · · · · · · · · · · ·

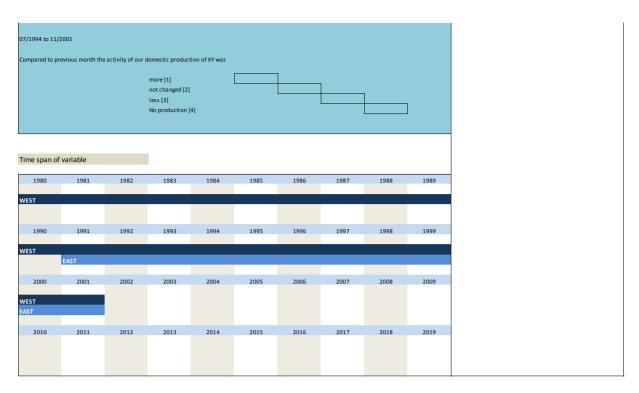
WEST				WEST	
EAST				EAST	

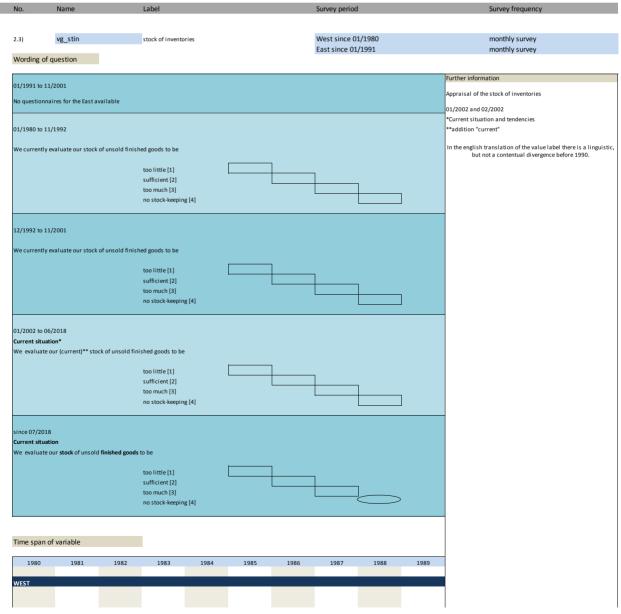
No.	Name		Label				Survey perio	d		Survey frequency
1.21)	participation_	hour	participation ho	our			West since (	01/2005		monthly survey
							East since 0	1/2005		monthly survey
1980	1981	1982	1983	1984	1985	1986	1987	1988	1989	Further information
										Participation hour
										Only refers to the participants who answered the questionnai
1990	1991	1992	1993	1994	1995	1996	1997	1998	1999	online.
2000	2001	2002	2003	2004	2005	2006	2007	2008	2009	
					WEST EAST					
2010	2011	2012	2013	2014	2015	2016	2017	2018	2019	
WEST								WEST		
AST								EAST		

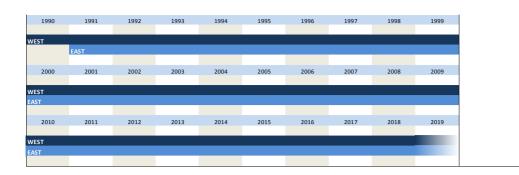
••										
No.	Name		Label				Survey period	1		Survey frequency
1.22)	participation_	_status	participation s	itatus			West since 01/2005 East since 01/2005			monthly survey monthly survey
1980	1981	1982	1983	1984	1985	1986	1987	1988	1989	Further information
										Participation status
										Only refers to the participants who answered the questic
1990	1991	1992	1993	1994	1995	1996	1997	1998	1999	online.
										[1] finished
										[2] reworked
2000	2001	2002	2003	2004	2005	2006	2007	2008	2009	[3] completed [4] saved
					WEST					
					EAST					
2010	2011	2012	2013	2014	2015	2016	2017	2018	2019	
WEST										
EAST	_		_	_						
	Name		Label				Survey period	i		Survey frequency
EAST			Label							
EAST	Name vg_participan	ıt	Label	participation in	n this survey		West since 0	1/1980		monthly
No. 1.23)	vg_participan						West since 01	1/1980 /1991		monthly monthly
No.		nt 1982	Label	participation is	n this survey	1986	West since 0	1/1980	1989	monthly
No. 1.23)	vg_participan					1986	West since 01	1/1980 /1991	1989	monthly monthly Further information introduced in 04/2018
No. 1.23) 1980 WEST	vg_participan	1982	1983	1984	1985		West since 01 East since 01	1/1980 /1991 1988		monthly monthly  Further information introduced in 04/2018  Participation in this survey:
No. 1.23)	vg_participan					1986	West since 01	1/1980 /1991	1989	monthly monthly Further information introduced in 04/2018
No. 1.23) 1980 WEST	vg_participan	1982	1983	1984	1985		West since 01 East since 01	1/1980 /1991 1988		monthly monthly  Further information introduced in 04/2018  Participation in this survey:  [0] No
No. 123) 1980 WEST 1990	vg_participan 1981 1991 EAST	1982	1983 1993	1984	1985	1996	West since 01 East since 01 1987	1/1980 /1991 1988		monthly monthly  Further information introduced in 04/2018  Participation in this survey:  [0] No [1] Yes  Calculation of varaible:
123)  1980  WEST  2000  WEST	vg_participan	1982	1983	1984	1985		West since 01 East since 01	1/1980 /1991 1988	1999	monthly monthly  Further information introduced in 04/2018  Participation in this survey:  [0] No [1] Yes  Calculation of varaible:  1, if data of online and statebus or comexp exists, 0 other
123)  1980  WEST  1990  WEST  2000  WEST  EAST	vg_participan 1981 1991 EAST 2001	1982 1992 2002	1983 1993 2003	1984	1985 1995 2005	1996	West since 0 East since 01 1987 1997	1/1980 /1991 1988 1998	1999	monthly monthly  Further information introduced in 04/2018  Participation in this survey:  [0] No [1] Yes  Calculation of varaible:  1, if data of online and statebus or comexp exists, 0 oth 1991-03/2018 variable can b
123)  1980  WEST  2000  WEST	vg_participan 1981 1991 EAST	1982	1983 1993	1984	1985	1996	West since 01 East since 01 1987	1/1980 /1991 1988	1999	monthly monthly  Further information introduced in 04/2018  Participation in this survey:  [0] No [1] Yes  Calculation of varaible:  1, if data of online and statebus or comexp exists, 0 othe 1991-03/2018 variable=1, since 04/2018 variable can b (due to a change in delievered data)

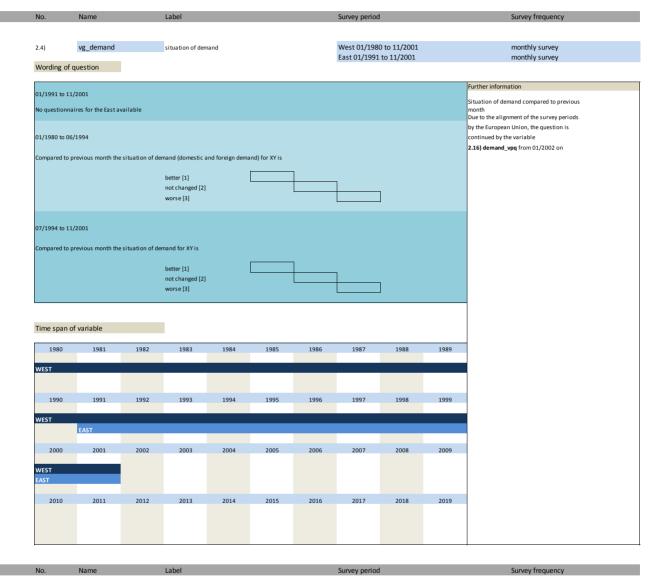


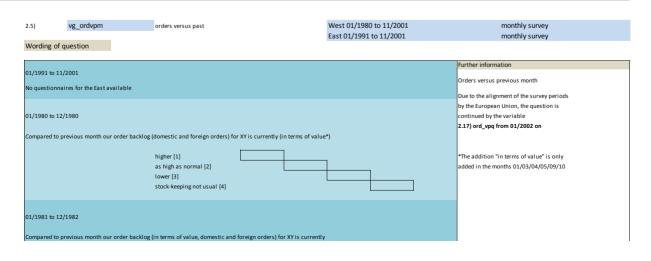
INO.	Ivairie	Label	Juivey period	Survey frequency
2.2)	vg_provpm	production versus previous month	West 01/1980 to 11/2001	monthly survey
			East 01/1991 to 11/2001	monthly survey
Wording of o	question			
				Further information
01/1991 to 11/	/2001			ruttler information
				Production compared to previous month
No questionna	ires for the East availab	le		Due to the alignment of the survey periods
				by the European Union, the question is
01/1980 to 06/	/1994			continued by the variable
,,				2.15) pro_vpq from 01/2002 on
Compared to p	revious month our dome	estic production of XY was		
				In the english translation of the value label there is a linguist
		more active [1]		but not a contentual divergence before 1990.
		not changed [2]		
		less active [3]		

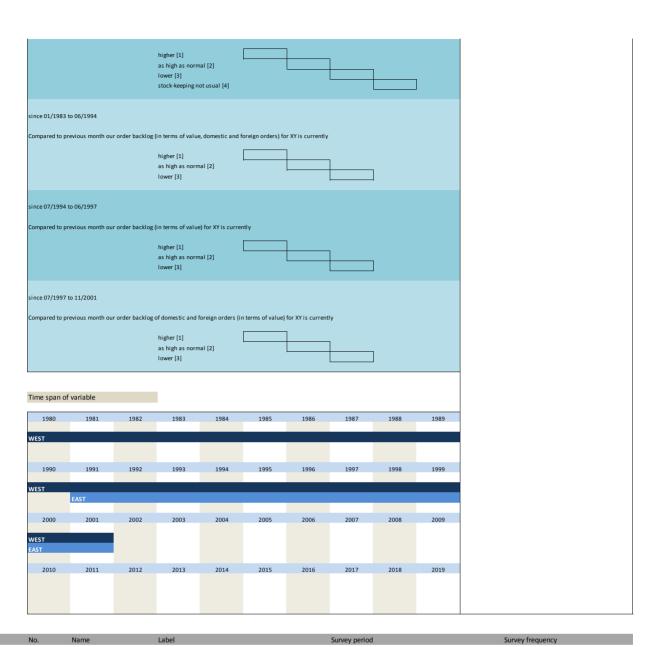


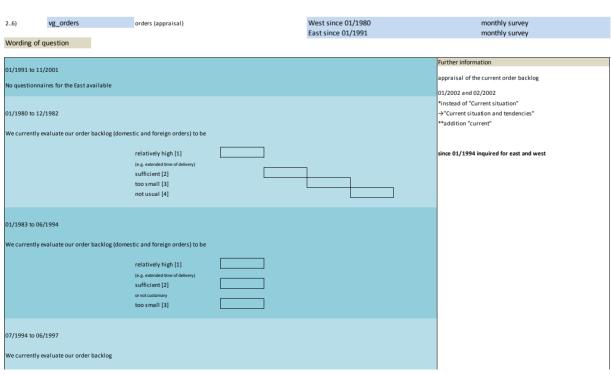








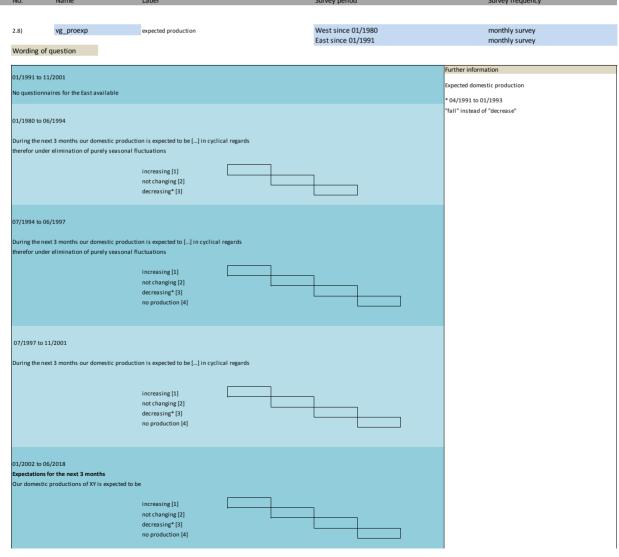


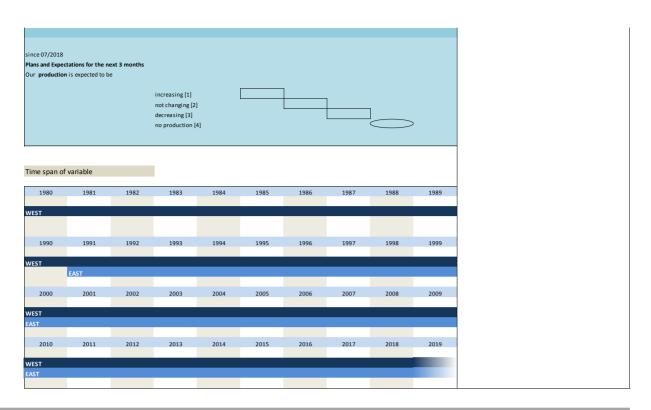


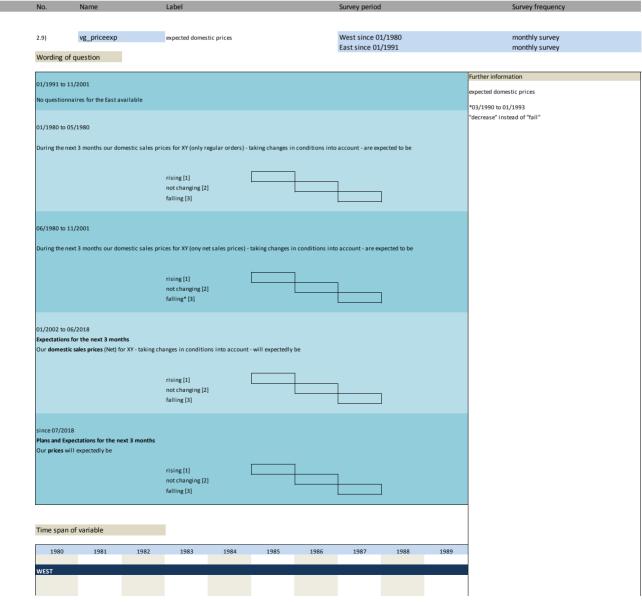
										1
			relatively high [ (e.g. extended time of							
			(e.g. extended time of sufficient [2]	uelivery)						
			or not customary							
			too small [3]							
07/1997 to 11	1/2001									
We currently e	evaluate our orde	r backlog (domes	stic and foreign or	rders) to be						
						l				
			relatively high [ (e.g. extended time of							
			sufficient [2]	,,						
			or not customary			1				
			too small [3]							
01/2002 to 06, Current situati		ler backlog for V	V to be							
evaluate 0	a (current ) ord	ici backing lof X				total				
			relatively high [							
			(e.g. extended time of sufficient [2]	raelivery)						
			or not customary							
			too small [3]							
since 07/2018	1									
Current situati	ion									
We consider o	our <b>order backlog</b>	(provided that it	is customary) to I	be						see
	a) total									
			relatively high [	11						
			. s.ouvery mgm [	-,						
			sufficient [2]							
			too small [3]							
										_
Time span o	of variable									
1980	1981	1982	1983	1984	1985	1986	1987	1988	1989	i
WEST										l
WEST										1
1990	1991	1992	1993	1994	1995	1996	1997	1998	1999	
WEST										ĺ
	EAST									l
2000	2001	2002	2003	2004	2005	2006	2007	2008	2009	l
WEST EAST										ı
2010	2011	2012	2013	2014	2015	2016	2017	2018	2019	
WEST										
EAST										l
										L
No.	Name		Label				Survey period	i		

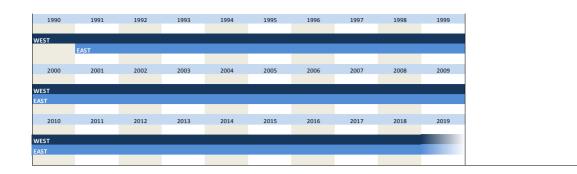
No.	Name	Label	Survey period	Survey frequency
2.7)	vg_pricevpm	domestic prices of sale versus previous month	West 01/1980 to 11/2001	monthly survey
Mordin	g of question		East 01/1991 to 11/2001	monthly survey
vvoruni	g of question			
01/1991	to 11/2001			Further information
				Domestic prices of sale versus previous month
No questi	ionnaires for the East availab	ile		Due to the alignment of the survey periods
				by the European Union, the question is
01/1980,	04/1980, 05/1980, 10/1980			continued by the variable  2.18) price_vpq from 01/2002 on
Compare	d to previous month our dome	estic sale prices - taking changes in conditions into account - for	XY were	
			ow up orders nce stock-orders")	
		regular orders (also "sin	ice stock-orders")	
	incre	ased [1]		
	not ci	hanged [2]		
	decre	ased [3]		
02/1980,	03/1980, 06/1980 to 09/198	0, 11/1980 to 09/1991		
Compare	d to previous month our dome	estic sales prices (net-prices) - taking changes in conditions into	account - for XY were	





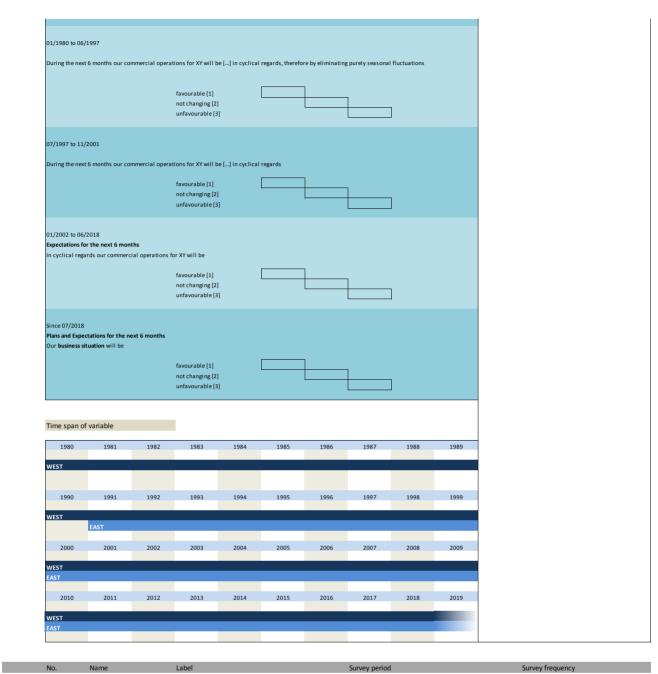




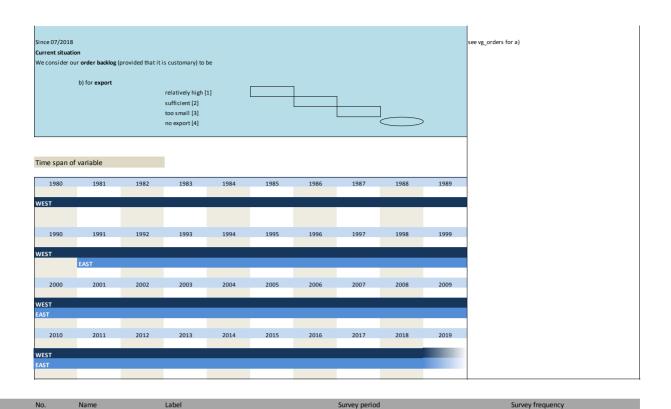


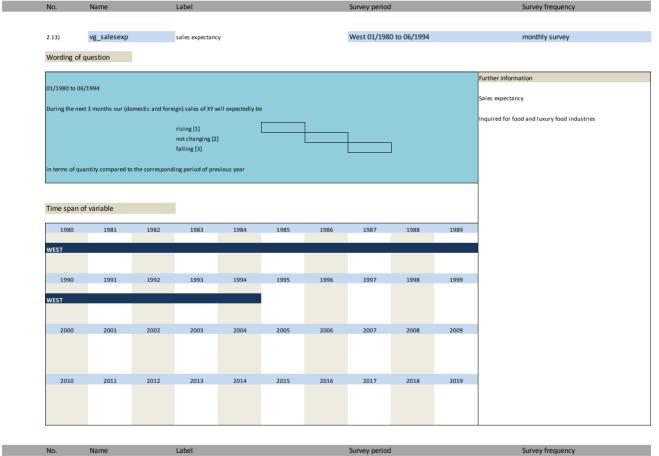
No. Survey frequency Name West since 01/1980 vg\_expexp expected export trade monthly survey East since 01/1991 monthly survey Wording of question Further information 01/1991 to 11/2001 expected export trade No questionnaires for the East available 01/1980 to 11/2001 During the next 3 months the extent of our exports - taking former export deals and running order negotiations into account - is expected to be increasing [1] not changing [2] decreasing [3] no export [4] 01/2002 to 06/2018 Expectations for the next 3 months uring the next 3 months the extent of our exports - taking former export deals and running order negotiations into account - is expected to be increasing [1] not changing [2] decreasing [3] no export of XY [4] Since 07/2018 Plans and Expectations for the next 3 months The extent of our **exports** is expected to be increasing [1] not changing [2] decreasing [3] no export [4] Time span of variable 1980 1981 1982 1983 1984 1985 1986 1987 1988 1989 WEST 1991 1993 1995 1999 1990 1992 1994 1996 1997 1998 WEST 2001 2003 2002 2005 2006 2007 2009 2000 2004 2008 WEST 2011 2013 2015 2017 2019 2010 2012 2014 2016 2018 WEST

No.	Name	Label	Survey period	Survey frequency
2.11)	vg_comexp	expected commercial operations	West since 01/1980	monthly survey
			East since 01/1991	monthly survey
Wording of	question			
01/1991 to 11	/2001			Further information
01/1991 to 11	/2001			Expected commercial operations
No questionna	ires for the East available			Expected commercial operations

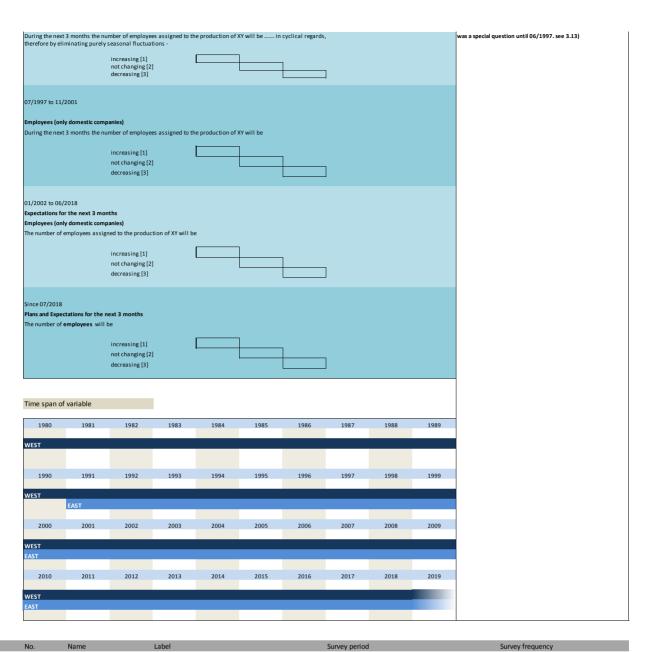


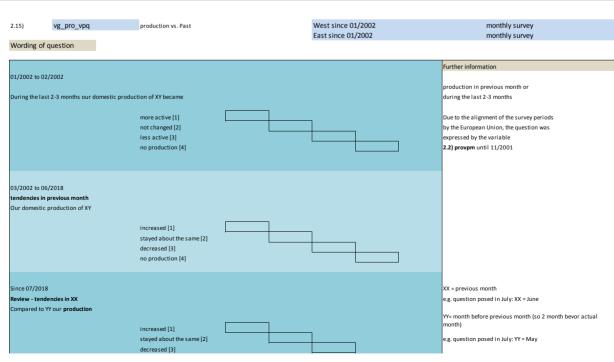
No.	Name	Label	Survey period	Survey frequency
2.12)	vg_foreord	foreign orders (appraisal)	West since 01/1980	monthly survey
			East since 01/1991	monthly survey
Wording of	question			
01/1991 to 11	1/2001			Further information
				Appraisal of foreign orders
No questionn	aires for the East availa	ble		01/2002 and 02/2002
				*instead of "Current situation"
01/1980 to 11	1/2001			→"Current situation and tendencies"
		6 300		**addition "current"
we consider o	our foreign order backlo	og for XY currently to be		
		relatively high [1]		
		(e.g. extended time of delivery)		
		sufficient [2]		
		too small [3] no export XY [4]		
		no export x1 [4]		
01/2002 to 06	C/2010			
Current situal				
	our (current**) foreign o	order backlog to be		
			for export	
		relatively high [1]		
		sufficient [2] or not customary		
		too s mall [3]		
		no export XY [4]		



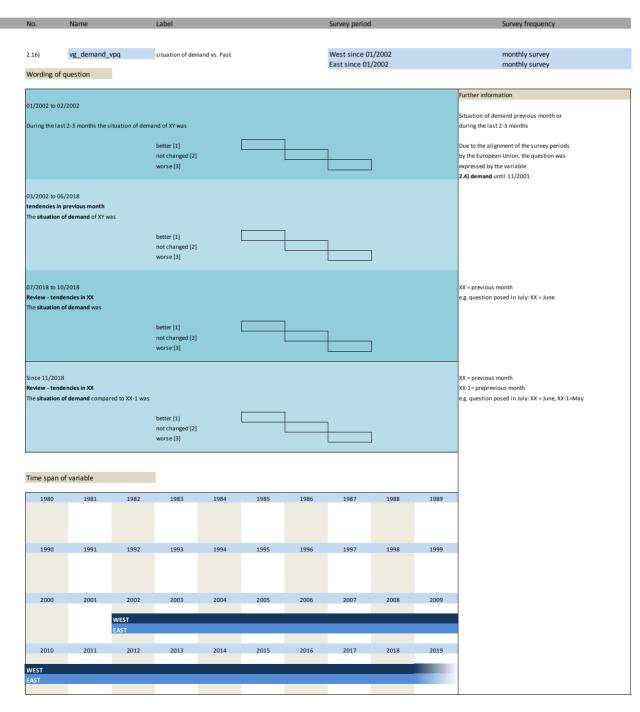


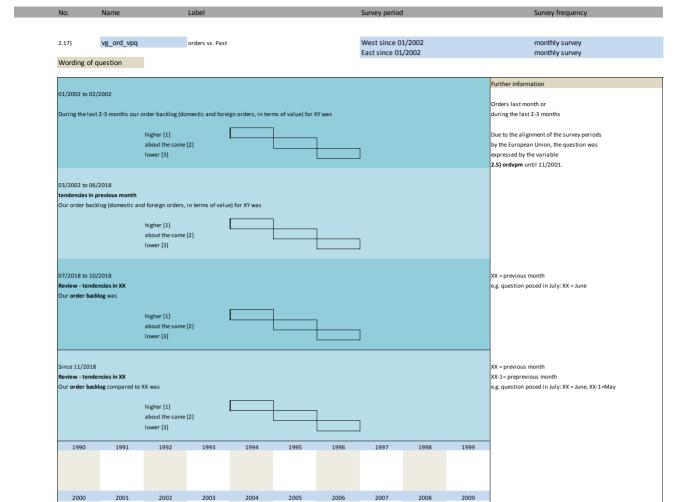
No.	Name	Label	Survey period	Survey frequency
2.14)	vg_emplexp	expected employees	West 01/1980 to 04/1997	quarterly survey
			and since 07/1997	monthly survey
			East since 01/1991	monthly survey
Wording of	question			
				Problem information
01/1991 to 1:	1/2001			Further information
	aires for the East available			Expected development of the total number of employees
01/1980 to 04	4/1997			*10/1980 to 10/1993 the question has the same structure for the west in October as
Employees (o	nly domestic companies)			the question of the variable "empl". see 3.14)





			no production [	41					
			no production [	4]					
Time span of	variable								
·									
1980	1981	1982	1983	1984	1985	1986	1987	1988	1989
1990	1991	1992	1993	1994	1995	1996	1997	1998	1999
2000	2001	2002	2003	2004	2005	2006	2007	2008	2009
		WEST EAST			_				_
		LAST							
2010	2011	2012	2013	2014	2015	2016	2017	2018	2019
WEST EAST									_
EAST									



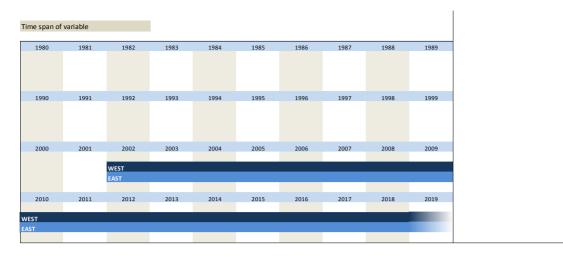


WEST

decreased [3]

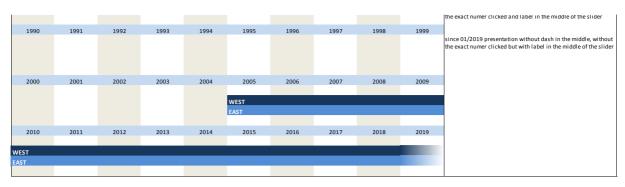
WEST

No.	Name	Label	Survey period	Survey frequency
2.18)	vg_price_vpq	domestic prices of sale vs. Past	West since 01/2002	monthly survey
			East since 01/2002	monthly survey
Wording of q	uestion			
				Further information
01/2002/ to 02	/2002			
				Domestic prices of sale previous month or
during the last	2-3 months our (net-) dome	estic sales prices for XY were [] taking changes in cond	litions into account	during the last 2-3 months
		increased [1]		Due to the alignment of the survey periods
		not changed [2]		by the European Union, the question was
		decreased [3]		expressed by the variable
				2.7) pricevpm until 11/2001
03/2002 to 06/				
tendencies in p				
Our (net-) dome	estic sales prices for XY wer	e [] taking changes in conditions into account		
		increased [1]		
		not changed [2]		
		decreased [3]		
		[-]		
Since 07/2018				XX = previous month
Review - tende	ncies in XX			e.g. question posed in July: XX = June
Compared to YY				
25				YY= month before previous month (so 2 month bevor
		increased [1]		month)
		not changed [2]		e.g. question posed in July: YY = May



No.	Name		Label				Survey period	ı		Survey frequency
2.19)	vg_credit		credit allocatio	on			West 06/200	3 to 08/2008		irregular
							and 11/2008	- 12/2016		monthly survey
							East 06/2003 and 11/2008			irregular monthly survey
Wording of	fauestion						anu 11/2006	- 12/2010		monthly survey
	4									
										Further information
since 07/200	13									
How do you s	evaluate the curren	t willingness of h	anks to grant or	adite to business	oc?					credit allocation
now do you e	evaruate the curren	t willinghess of t	Janks to grant cr	eurts to business						2003: June, August
		accomodating [	[1]			-				was a special question until 08/2008.
		normal [2]					_			see 3.48)
		reserved [3]								
										-i 2017:
										since 2017: replaced by 3.168)vg_credit2_1 to 3.170)credit2_3
Time span	of variable									
1980	1981	1982	1983	1984	1985	1986	1987	1988	1989	
1990	1991	1992	1993	1994	1995	1996	1997	1998	1999	
2000	2001	2002	2003	2004	2005	2006	2007	2008	2009	
			WEST							
			EAST							
204-	2044	2042	2042	2044	2045	2045	2047	2040	2040	
2010	2011	2012	2013	2014	2015	2016	2017	2018	2019	
WEST										

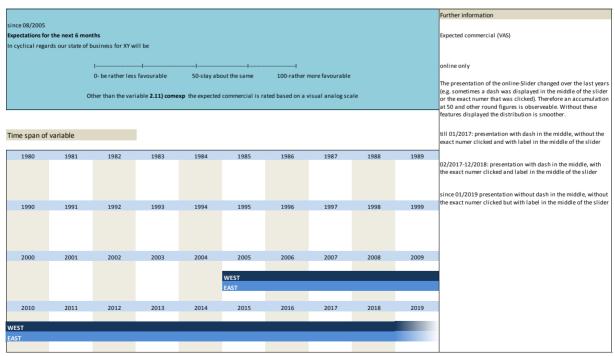
No.	Name		Label				Survey period			Survey frequency
2.20)	vg_statebus_	sl	state of busines	s (VAS)			West since 08	/2005		monthly survey
							East since 08/	2005		monthly survey
Wording of	question									
										Further information
since 08/200	5									
Current situa	tion									Appraisal of the state of business (VAS)
We consider	our state of busine	ss to be								
		•				I				
		0-bad		50-sat	isfiable		100-good			
		0414141-					ual analog scale			online only
		Other than the	variable 2.1) stat	ebus the state of	business is rate	eu baseu on a vis	iuai anaiog scare			The presentation of the online-Slider changed over the last year
										(e.g. sometimes a dash was displayed in the middle of the slide
										or the exact numer that was clicked). Therefore an accumulation at 50 and other round figures is observeable. Without these
Time span	of variable									features displayed the distribution is smoother.
1980	1981	1982	1983	1984	1985	1986	1987	1988	1989	till 01/2017: presentation with dash in the middle, without the
										exact numer clicked and with label in the middle of the slider
										02/2017 13/2019: procentation with dash in the middle with
										02/2017-12/2018: presentation with dash in the middle, with



No.	Name		Label				Survey period			Survey frequency
2.21)	vg_statebus_	clicks	state of busines	s (clicks)			West since 01			monthly survey monthly survey
Time span o	of variable									
1980	1981	1982	1983	1984	1985	1986	1987	1988	1989	Further information
1990	1991	1992	1993	1994	1995	1996	1997	1998	1999	Number of clicks for question 2.20) vg_statebus_
1330	1331	1332	1333	2554	1333	1550	133,	1330	1333	online only
2000	2001	2002	2003	2004	2005	2006	2007	2008	2009	
2010	2011	2012	2013	2014	2015	2016	2017 WEST	2018	2019	
							EAST			

No.	Name	Label	Survey period	Survey frequency	
2.22)	vg_comexp_sl	expected commercial (VAS)	West since 08/2005	monthly survey	
			East since 08/2005	monthly survey	

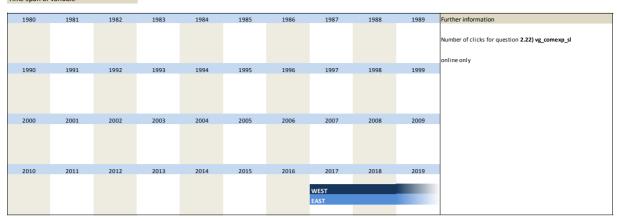
#### Wording of question



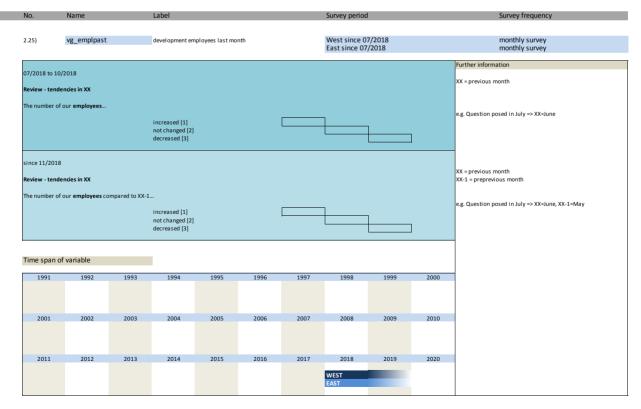
No.	Name	Label	Survey period	Survey frequency
2.23)	vg_comexp_clicks	expected commercial (clicks)	West since 01/2017	monthly survey

East since 01/2017 monthly survey

Time span of variable

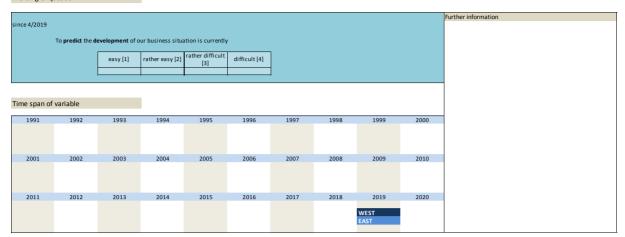


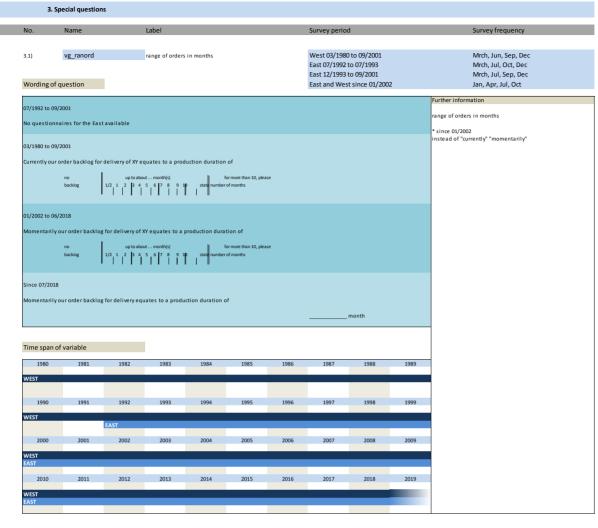
No.	Name		Label				Survey period	i		Survey frequency
2.24)	vg_comexp_ui	nc	uncertainty w.r.:	t. commercial op	eration		West since 07			monthly survey monthly survey
since 07/2017										Further information
·	e <b>uncertainty</b> congu	_		n in the next 6 m 		·I	100-high			The presentation of the online-Slider changed over the last years (e.g. sometimes a dash was displayed in the middle of the slider or the exact numer that was clicked). Therefore an accumulation at 50 and other round figures is observeable. Without these features displayed the distribution is smoother.
Time span o	f variable									07/2017-12/2018: presentation with dash in the middle, with the exact numer clicked and label in the middle of the slider
1991	1992	1993	1994	1995	1996	1997	1998	1999	2000	since 01/2019 presentation without dash in the middle, without
										the exact numer clicked but with label in the middle of the slider
2001	2002	2003	2004	2005	2006	2007	2008	2009	2010	
2011	2012	2013	2014	2015	2016	2017	2018	2019	2020	
						WEST EAST	_			



2.26) vg\_prestatebus\_unc uncertainty: prediction of business situation West and East 04/2019 monthly

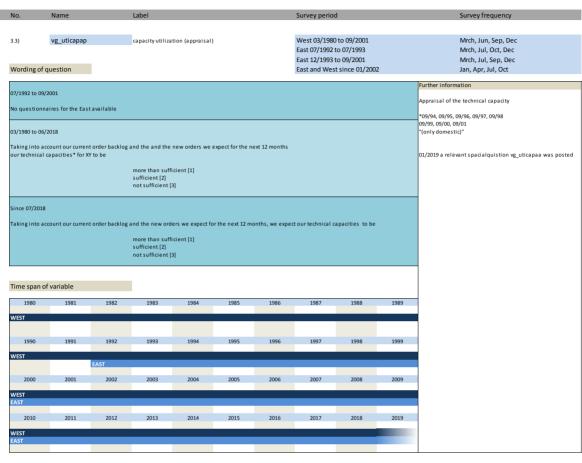
## Wording of question





No.	Name		Label				Survey perio	d		Survey frequency
3.2) Wording o	vg_uticappc f question		capacity utiliza	tion in %			West 03/1980 East 07/1992 East 12/1993 East and Wes	to 07/1993	2	Mrch, Jun, Sep, Dec Mrch, Jul, Oct, Dec Mrch, Jul, Sep, Dec Jan, Apr, Jul, Oct Further information
03/1980 to 0	nnaires for the Eas			more	than 100%	ne company = 10	0%) is up to			Capacity utilization in %  *09/94, 09/95, 09/96, 09/97, 09/98, 09/99, 09/90, 09/901  addition "domestic plants"  **since 01/2002 instead of "currently" "momentarily"
Since 07/201	18 e utilization of ou		30% 40% 50%	normal for the o	company = 100%   70%   75%   80%   85%	6) is up to	]90% ]95% ]100%			Coding in the dataset Number above the ticked field more than 100 % = handwritten entry or if just ticked = [120]  01/2019 a relevant spacial quistion vg_uticapaa was posted
Time span	of variable	1982	1983	1984	1985	1986	1987	1988	1989	
1990	1991	1992	1993	1994	1995	1996	1997	1998	1999	
2000	2001	2002	2003	2004	2005	2006	2007	2008	2009	





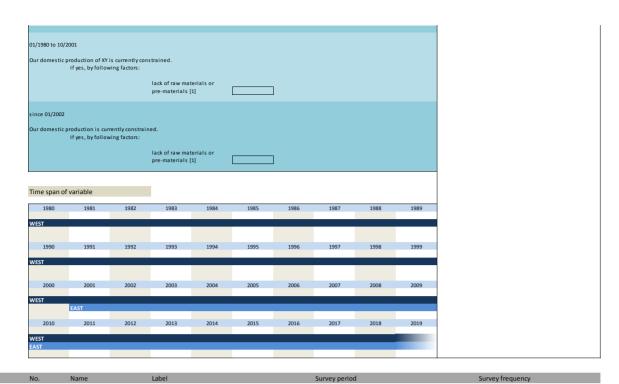
No.	Name		Label				Survey perio	d		Survey frequency
3.4)	vg_constrain		constraints to	production			West since 0	1/1980		Jan, Apr, Jul, Oct
							East 01/1991	to 12/2000		monthly survey
Wording of	fquestion						East since 01,	/2001		Jan, Apr, Jul, Oct
										Further information
01/1991 to 10	0/2001									Constraints to production
No question	naires for the East	available								Constraints to production
										[3]: Conflict - here, "no" was chosen, but for any co
01/1980 to 10	0/2001									factor ( 3.5) vg_ordlack to 3.13) vg_othrea), "yes" wa
Our domesti	c production of XY	is currently cons	trained							
23i domesti				_						
		yes [1]		no [2]						
since 01/200	2									
Our domestic		rently constrain	ed							
Our domesti	c production is cur	rently constrain	ed							
Our domesti	c production is cur		ed	no [2]						
Our domesti	c production is cur	rently constrain	ed	no [2]						
Our domesti	c production is cur		ed	no [2]						
Our domesti	c production is cur		ed	no [2]						
Our domesti	c production is cur		ed	no [2]						
Time span	c production is cur	Jyes [1]			1985	1986	1987	1988	1989	
Time span o	c production is cur		ed 1983	]no [2]	1985	1986	1987	1988	1989	
Time span	c production is cur	Jyes [1]			1985	1986	1987	1988	1989	
Time span o	c production is cur	Jyes [1]			1985	1986	1987	1988	1989	
Time span o	c production is cur	Jyes [1]			1985	1986	1987	1988	1989	
Time span of 1980 WEST	of variable	yes [1] 1982	1983	1984						
Time span of 1980 WEST	of variable  1981	yes [1] 1982	1983	1984						
1980 WEST 1990 WEST	of variable  1981  1991  EAST	1982 1992	1983	1984	1995	1996	1997	1998	1999	
Time span of 1980 WEST	of variable  1981	yes [1] 1982	1983	1984						
1980 WEST 1990 WEST 2000 WEST	of variable  1981  1991  EAST	1982 1992	1983	1984	1995	1996	1997	1998	1999	
1980 WEST 1990 WEST 2000	of variable  1981  1991  EAST	1982 1992	1983	1984	1995	1996	1997	1998	1999	
1980 WEST 1990 WEST 2000 WEST	of variable  1981  1991  EAST	1982 1992	1983	1984	1995	1996	1997	1998	1999	
1980 WEST 1990 WEST 2000 WEST 2010	of variable  1981  1991  EAST  2001	[yes [1] 1982 1992 2002	1983 1993	1984 1994 2004	1995	1996	1997	1998	1999	
Time span of 1980 WEST 1990 WEST 2000 WEST EAST	of variable  1981  1991  EAST  2001	[yes [1] 1982 1992 2002	1983 1993	1984 1994 2004	1995	1996	1997	1998	1999	

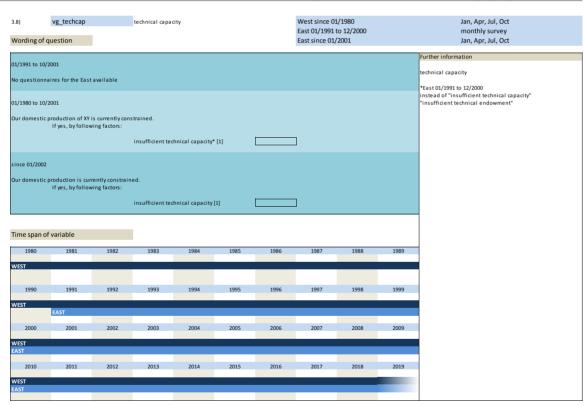
No.	Name	Label	Survey period	Survey frequency
3.5)	vg_ordlack	lack of orders	West since 01/1980	Jan, Apr, Jul, Oct

Wording of question						East von 01/1991 to 12/2000			monthly survey		
Wording of q	juestion					East since 01/2001			Jan, Apr, Juli, Oct		
										Further information	
01/1991 to 10/2	2001									ruruler information	
01/1991 (0 10/2	1001									Lack of orders	
No questionna	ires for the Eas	t available									
										*East 01/1991 to 12/2000	
										instead of "insufficient orders"	
01/1980 to 10/2	2001									"sales difficulties"	
Our domestic r	aroduction of YV	is currently cons	strained								
Our domestic p	If yes, by follow		suameu.								
	,,.,										
			insufficient ord	ers * [1]							
-1 04/2002											
since 01/2002											
Our domestic o	production is cui	rrently constrain	ied.								
	If yes, by follow										
			insufficient ord	ers * [1]							
Time span of	variable										
Tillie spali of	variable										
1980	1981	1982	1983	1984	1985	1986	1987	1988	1989		
WEST											
1990	1991	1992	1993	1994	1995	1996	1997	1998	1999		
1990	1991	1992	1993	1994	1995	1996	1997	1998	1999		
WEST											
	EAST										
2000	2001	2002	2003	2004	2005	2006	2007	2008	2009		
MECT											
WEST EAST											
LASI											
2010	2011	2012	2013	2014	2015	2016	2017	2018	2019		
WEST											
EAST											

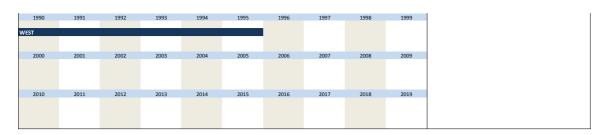
No.	Name		Label				Survey perio	od		Survey frequency
								201 40/205		
3.6)	vg_mplack		lack of manpov	ver			West 01/198 East 01/199:	80 to 10/2001		Jan, Apr, Jul, Oct monthly survey
							East 01/199			Jan, Apr, Jul, Oct
Wording of	question							ast since 07/20:	18	Jan, Apr, Jul, Oct
		•								Further information
01/1991 to 10/	/2001									
No questionn	naires for the East	available								Lack of manpower
01/1980 to 10/	/1995									
Our domestic	production of XY i	s currently con	strained.							
	If yes, by follow									
			lack of manpov	ver [1]		1				
01/1996 to 10,	0/2001									
Our domestic	production of XY i	c currently con	ctrained							
our uomestic	If yes, by follow	ing factors:	suameu.							
			lack of qualific	d manaauar [1	.,		1			
			lack of qualifie	d manpower [1	1]					
-1 07/3040			lack of qualifie	d manpower [1	1]		]			
since 07/2018			lack of qualifie	d manpower [1	1]		]			
	3 production is curr			d manpower [1	1]					
	3		ned.		1]		]			
	3 production is curr				1]		]			
	3 production is curr		ned.		1]		]			
Our domestic	3 : production is curr If yes, by follow		ned.		1]		]			
Our domestic	3 : production is curr If yes, by follow of variable	ring factors:	ned. lack of manpov	ver [1]						
Our domestic	3 : production is curr If yes, by follow		ned.		1985	1986	1987	1988	1989	
Our domestic  Time span o	3 : production is curr If yes, by follow of variable	ring factors:	ned. lack of manpov	ver [1]		1986	1987	1988	1989	
Time span o	3 : production is curr If yes, by follow of variable	ring factors:	ned. lack of manpov	ver [1]		1986	1987	1988	1989	
Our domestic	3 : production is curr If yes, by follow of variable	ring factors:	ned. lack of manpov	ver [1]		1986	1987	1988	1989	
Our domestic  Time span o  1980  WEST	3 : production is curr if yes, by follow of variable 1981	1982	lack of manpov	ver [1]	1985					
Time span o  1980 WEST	3 : production is curr if yes, by follow of variable 1981	1982	lack of manpov	ver [1]	1985					
Our domestic  Time span o  1980  WEST  1990  WEST	3 c production is curr if yes, by follow of variable 1981 1991	1982 1992	1983 1993	ver [1] 1984	1985	1996	1997	1998	1999	
Our domestic  Time span o  1980  WEST  1990  WEST  2000	3 production is current fyes, by follow of variable 1981	1982	lack of manpov	ver [1]	1985					
Our domestic  Time span o  1980  WEST  1990  WEST  2000  WEST	3 c production is curr if yes, by follow of variable 1981 1991	1982 1992	1983 1993	ver [1] 1984	1985	1996	1997	1998	1999	
Our domestic  Time span o  1980  WEST  1990  WEST  2000	3 c production is curr if yes, by follow of variable 1981 1991	1982 1992	1983 1993 2003	ver [1] 1984	1985	1996	1997	1998	1999	
Our domestic  Time span o  1980  WEST  1990  WEST  2000  WEST	3 c production is curr if yes, by follow of variable 1981 1991	1982 1992	1983 1993	ver [1] 1984	1985	1996	1997	1998	1999	
Our domestic  Time span o  1980  WEST  1990  WEST  2000  WEST  EAST	of variable  1981  Least 2001	1982 1992	1983 1993 2003	ver [1] 1984 1994	1985	1996	1997	1998	1999	

NO.	Name	Label	Survey perioa	Survey frequency
3.7)	vg_matlack	lack of material	West since 01/1980	Jan, Apr, Jul, Oct
			East since 01/2001	Jan, Apr, Jul, Oct
Wording of o	question			
				Further information
01/2001 to 10/2	2001			Total Communication
				Lack of material
	aires for the East available			





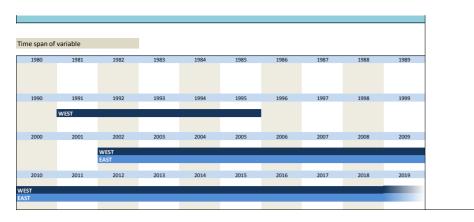
No.	Name	Lal	bel				Survey perio	d		Survey frequency
3.9)	vg_bastlack	lac	ck of back staff				West 10/1985	5 to 10/1995		Jan, Apr, Jul, Oct
Wording	of question									
10/1985 to	12/1995									Further information
Our domes	tic production of XY is If yes, by followi	ng factors: ack of manpower			]					Lack of back staff
Time spar	of variable									
1980	1981	1982	1983	1984	1985	1986	1987	1988	1989	
					WEST					

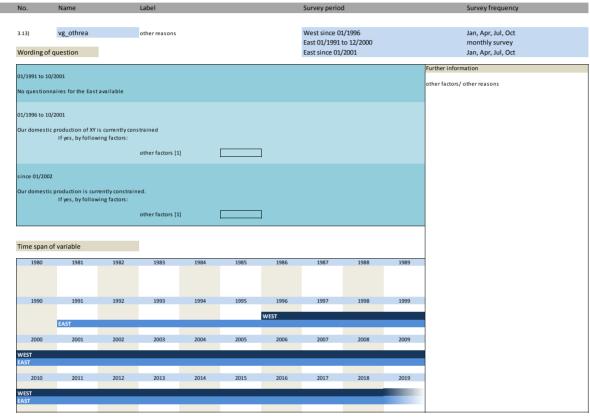


	Name		Label				Survey perio	d		Survey frequency
3.10)	vg_difffin		difficulties of f	financing			East 01/1991			monthly survey
Wording o	f question						East and Wes	st since 01/200	2	Jan, Apr, Jul, Oct
										Further information
01/1991 to 1	2/2000									Production costraints by difficulties of financir
No question	nnaires for the East	available								
since 01/200	าว									
Our domesti	ic production is cur If yes, by follow	rently constrain ving factors:	ed.							
			difficulties of f	financing [1]		1				
			difficulties of f	illiancing [1]						
Time span	of variable									
		1987	1983	1984	1985	1986	1987	1988	1989	
Time span	of variable	1982	1983	1984	1985	1986	1987	1988	1989	
		1982	1983	1984	1985	1986	1987	1988	1989	
1980	1981									
		1982	1983	1984	1985 1995	1986 1996	1987 1997	1988	1989	
1980	1981									
1980	1981 1991 EAST	1992	1993	1994	1995	1996	1997	1998	1999	
1980	1981 1991 EAST	1992								
1980	1981 1991 EAST	1992	1993	1994	1995	1996	1997	1998	1999	
1980 1990 2000	1981 1991 EAST 2001	1992 2002 WEST	1993	1994	1995	1996 2006	1997	1998	1999 2009	
1980 1990 2000 EAST	1981 1991 EAST	1992	1993	1994	1995	1996	1997	1998	1999	
1980 1990 2000	1981 1991 EAST 2001	1992 2002 WEST	1993	1994	1995	1996 2006	1997	1998	1999 2009	

No.	Name		Label				Survey period			Survey frequency	
							East 02/1994 to 06/2000* monthly survey				
3.11)	vg_weather		weather conditi	ons			East 02/19941	o 06/2000*		monthly survey	
Wording of qu	uestion										
01/1991 to 12/2	000									Further information	
	estionnaires for the	East availa	ble. The follow	ing wording is t	aken from previ	ous lists of vari	ables			Production constraints by weather conditions	
			*since 01/1999 sind kein Werte mehr in dem Datensatz enthalten								
02/1994 to 06/20	000										
	roduction of XY is cur If yes, by following f		trained.								
	,,.,		unfavourable w	eather conditio	ons [1]		1				
							•				
Time span of	variable										
1980	1981	1982	1983	1984	1985	1986	1987	1988	1989		
1990	1991	1992	1993	1994	1995	1996	1997	1998	1999		
				EAST							
				EAST							
2000	2001	2002	2003	2004	2005	2006	2007	2008	2009		
EAST											
2010	2011	2012	2013	2014	2015	2016	2017	2018	2019		
No.	Name		Label				Survey period			Survey frequency	

3.12)	vg_skilllack	lack of skilled employees	West 01/1991 to 10/1995	Jan, Apr, Jul, Oct
Wording of q	uestion		East and West since 01/2002	Jan, Apr, Jul, Oct
wordingorq	question			
since 01/2002				Further information
				Lack of skilled employees
Our domestic p	production of XY is currently con If yes, by following factors:	strained.		* see variable 3.6) mplack
		Lack of skilled employees [1]		





No.	Name		Label				Survey period	i		Survey frequency
3.14)	vg_proexpen		product too exp	ensive			East 01/1991 t	to 12/2000		monthly survey
Wording	of question									
										Further information
01/1991 to	12/2000									Products too expensive
No questio	onnaires for the East	available. The	following wordi	ng is taken from	previous lists	of variables				
01/1991 to	12/2000									
	stic production of XY is	. curro attu con	trained							
Our donnes	If yes, by follow			s						
			Products are to	o expensive [1]			1			
										-
Time spa	n of variable									
1980	1981	1982	1983	1984	1985	1986	1987	1988	1989	
1990										
	1991	1992	1993	1994	1995	1996	1997	1998	1999	
		1992	1993	1994	1995	1996	1997	1998	1999	
	EAST	1992	1993	1994	1995	1996	1997	1998	1999	
2000		1992	1993	1994	1995	1996 2006	1997	1998	1999	
	EAST									
2000 EAST	EAST									
	EAST									

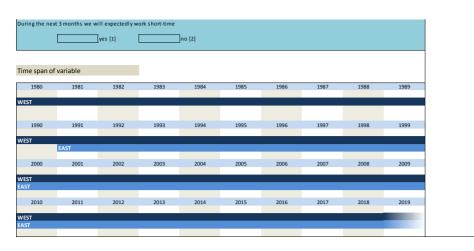
No.	Name		Label				Survey period			Survey frequency
3.15)	vg_proqual		quality of produ	ucts			East 01/1991	to 12/2000		monthly survey
Wording of			4				,	,		, , , , , ,
										Further information
01/1991 to 12										Quality of product
There are no	questionnaires f	or the East avail:	able. The follow	ring wording is	taken from previ	ious lists of var	iables			
01/1991 to 12	/2000									
Our domestic	production of XY	is currently cons wing factors: sale		s						
			quality of produ	uct		_				
			insufficient [1]							
Time span o										
1980	1981	1982	1983	1984	1985	1986	1987	1988	1989	
1990	1991	1992	1993	1994	1995	1996	1997	1998	1999	
	EAST									
2000	2001	2002	2003	2004	2005	2006	2007	2008	2009	
EAST										
2010	2011	2012	2013	2014	2015	2016	2017	2018	2019	
No.	Name		Label				Survey period	d		Survey frequency
3.16)	vg_propro		program of proc	ducts			East 01/1991	to 12/2000		monthly survey
	0									·
Wording of	question									
Wording of	question									Further information
01/1991 to 12 There are no 01/1991 to 12	/2000 questionnaires f /2000			ring wording is	taken from previ	ious lists of var	iables			Further information Program of products
There are no 01/1991 to 12	/2000 questionnaires f /2000 production of XY	is currently cons wing factors: sale	strained. es difficulties, a program of proc	s ducts	taken from previ	ious lists of var	iables			
01/1991 to 12 There are no 01/1991 to 12	/2000 questionnaires f /2000 production of XY	is currently cons wing factors: sale	strained. es difficulties, a	s ducts	taken from previ	ious lists of var	iables			
01/1991 to 12 There are no 01/1991 to 12 Our domestic	/2000 questionnaires f /2000 : production of XY If yes, by follor	is currently cons wing factors: sale	strained. es difficulties, a program of proc	s ducts	taken from previ	ious lists of var	iables			
01/1991 to 12 There are no 01/1991 to 12 Our domestic	/2000 questionnaires f /2000 production of XY If yes, by follow	' is currently cons wing factors: sale	strained. es difficulties, a program of proc insufficient [1]	s		]		1988	1989	
01/1991 to 12 There are no 01/1991 to 12 Our domestic	/2000 questionnaires f /2000 : production of XY If yes, by follor	is currently cons wing factors: sale	strained. es difficulties, a program of proc	s ducts	taken from previ	ious lists of var	iables 1987	1988	1989	
01/1991 to 12 There are no 01/1991 to 12 Our domestic	/2000 questionnaires f /2000 production of XY If yes, by follow	' is currently cons wing factors: sale	strained. es difficulties, a program of proc insufficient [1]	s		]		1988	1989	
01/1991 to 12 There are no 01/1991 to 12 Our domestic	/2000 questionnaires f /2000 production of XY If yes, by follow	' is currently cons wing factors: sale	strained. es difficulties, a program of proc insufficient [1]	s		]		1988	1989	
01/1991 to 12 There are no 01/1991 to 12 Our domestic	/2000 questionnaires f /2000 : production of XY If yes, by follor of variable	r is currently cons wing factors: sale	strained. es difficulties, a program of proc insufficient [1]	s ducts 1984	1985	1986	1987			
01/1991 to 12 There are no 01/1991 to 12 Our domestic	/2000 questionnaires f /2000 production of XY if yes, by follor of variable 1981	r is currently cons wing factors: sale	strained. es difficulties, a program of proc insufficient [1]	s ducts 1984	1985	1986	1987			
01/1991 to 12 There are no 01/1991 to 12 Our domestic  Time span c  1980  2000	/2000 questionnaires f /2000 production of XY if yes, by follor  of variable  1981  1991  EAST	is currently cons wing factors: sale 1982	strained. es difficulties, a program of proc insufficient [1]  1983	s succts 1984	1985	1986	1987 1997	1998	1999	
01/1991 to 12 There are no 01/1991 to 12 Our domestic  Time span c  1980  1990  2000  EAST	questionnaires f /2000 questionnaires f /2000 production of XY If yes, by follor of variable 1981 1991 EAST 2001	1982 1992	strained. es difficulties, a program of proc insufficient [1]  1983  1993	s sucts 1984 1994 2004	1985 1995 2005	1986 1996	1987 1997 2007	1998	1999	
01/1991 to 12 There are no 01/1991 to 12 Our domestic  Time span c  1980  2000	/2000 questionnaires f /2000 production of XY if yes, by follor  of variable  1981  1991  EAST	is currently cons wing factors: sale 1982	strained. es difficulties, a program of proc insufficient [1]  1983	s succts 1984	1985	1986	1987 1997	1998	1999	
01/1991 to 12 There are no 01/1991 to 12 Our domestic  Time span c  1980  1990  2000  EAST	questionnaires f /2000 questionnaires f /2000 production of XY If yes, by follor of variable 1981 1991 EAST 2001	1982 1992	strained. es difficulties, a program of proc insufficient [1]  1983  1993	s sucts 1984 1994 2004	1985 1995 2005	1986 1996	1987 1997 2007	1998	1999	
01/1991 to 12 There are no 01/1991 to 12 Our domestic  Time span c  1980  1990  2000	questionnaires f /2000 questionnaires f /2000 production of XY If yes, by follor of variable 1981 1991 EAST 2001	1982 1992	strained. es difficulties, a program of proc insufficient [1]  1983  1993	s sucts 1984 1994 2004	1985 1995 2005	1986 1996	1987 1997 2007	1998	1999	
01/1991 to 12 There are no 01/1991 to 12 Our domestic  1980 1990 2000 EAST 2010	questionnaires f /2000 questionnaires f /2000 production of XY If yes, by follor of variable 1981 1991 EAST 2001	1982 1992 2002	strained. es difficulties, a program of proc insufficient [1]  1983  1993	s sucts 1984 1994 2004	1985 1995 2005	1986 1996	1987 1997 2007	1998 2008 2018	1999	
01/1991 to 12 There are no 01/1991 to 12 Our domestic  Time span c  1980  1990  2000	/2000 questionnaires f /2000  /2000  production of XY If yes, by follor  1981  1991  EAST  2001  Name	1982 1992 2002	strained. es difficulties, a program of proc insufficient [1]  1983  1993  2003  2013	s sucts 1984 1994 2004	1985 1995 2005	1986 1996	1987 1997 2007	1998 2008 2018	1999 2009 2019	Program of products  Survey frequency
01/1991 to 12 There are no 01/1991 to 12 Our domestic  1980  1990  2000  EAST 2010  No.	questionnaires f /2000 questionnaires f /2000 production of XY If yes, by follor  of variable  1981  1991  EAST  2001  Name  vg_ovtime	1982 1992 2002	trained. es difficulties, a program of procinsufficient [1]  1983  1993  2003	s sucts 1984 1994 2004	1985 1995 2005	1986 1996	1987 1997 2007 2017	1998 2008 2018	2009	Program of products
01/1991 to 12 There are no 01/1991 to 12 Our domestic  1980  1990  2000  EAST 2010	questionnaires f /2000 questionnaires f /2000 production of XY If yes, by follor  of variable  1981  1991  EAST  2001  Name  vg_ovtime	1982 1992 2002	strained. es difficulties, a program of proc insufficient [1]  1983  1993  2003  2013	s sucts 1984 1994 2004	1985 1995 2005	1986 1996	1987 1997 2007 2017 Survey period West since 02	1998 2008 2018	2009	Survey frequency  Jan, Apr., Jul, Oct Mrch, Jun, Sep, Dec
01/1991 to 12 There are no 01/1991 to 12 Our domestic  1980  1990  2000  EAST 2010  No.	/2000 questionnaires of /2000  production of XY If yes, by follor  for variable  1981  1991  EAST  2001  Name  vg_ovtime question	1982 1992 2002	strained. es difficulties, a program of proc insufficient [1]  1983  1993  2003  2013	s sucts 1984 1994 2004	1985 1995 2005	1986 1996	1987 1997 2007 2017 Survey period West since 02	1998 2008 2018	2009	Survey frequency  Jan, Apr, Jul, Oct Mrch, Jun, Sep, Dec
01/1991 to 12 There are no 01/1991 to 12 Our domestic  1980  1990  2000  EAST  2010  No.  3.17)  Wording of	/2000 questionnaires of /2000  production of XY If yes, by follor  for variable  1981  1991  EAST  2001  Name  vg_ovtime question	1982 1992 2002	strained. es difficulties, a program of proc insufficient [1]  1983  1993  2003  2013	s sucts 1984 1994 2004	1985 1995 2005	1986 1996	1987 1997 2007 2017 Survey period West since 02	1998 2008 2018	2009	Survey frequency  Jan, Apr., Jul, Oct Mrch, Jun, Sep, Dec
01/1991 to 12 There are no 01/1991 to 12 Our domestic  1980  1990  2000  EAST  2010  No.  3.17)  Wording of	questionnaires of year	1982 1992 2002	trained. es difficulties, a program of proc insufficient [1]  1983  1993  2003  2013  Label  overtime	s sucts 1984 1994 2004	1985 1995 2005	1986 1996	1987 1997 2007 2017 Survey period West since 02	1998 2008 2018	2009	Survey frequency  Jan, Apr, Jul, Oct Mrch, Jun, Sep, Dec
01/1991 to 12 There are no 01/1991 to 12 Our domestic  1980  1990  2000  EAST 2010  No. 3.17)  Wording of since 01/1980 We currently	questionnaires of y2000 questionnaires of y2000 production of XY If yes, by follor 1981 1991 EAST 2001 2011 Name vg_ovtime question  work with overtin	1982 1992 2002	trained. es difficulties, a program of proc insufficient [1]  1983  1993  2003  2013  Label  overtime	s sucts 1984 1994 2004	1985 1995 2005	1986 1996	1987 1997 2007 2017 Survey period West since 02	1998 2008 2018	2009	Survey frequency  Jan, Apr, Jul, Oct Mrch, Jun, Sep, Dec
O1/1991 to 12 There are no O1/1991 to 12 Our domestic  1980  1990  2000  FAST  2010  Wording of since 01/1980  We currently	questionnaires of y2000 questionnaires of y2000 production of XY If yes, by follor for variable  1981  1991  EAST  2001  Vig_ovtime question  work with overting work with overting for variable	1982 1992 2002 2012	strained. es difficulties, a program of proc insufficient [1]  1983  1993  2003  2013  Label overtime	1984 1994 2004 2014	1985 1995 2005	1986 1996 2006 2016	1997 2007 2017 Survey period West since 02 East and Wes	1998  2008  2018  d  1/1980 to 10/2/0t t since 03/200	2009 2019 2010 2011 2001 2001	Survey frequency  Jan, Apr, Jul, Oct Mrch, Jun, Sep, Dec
01/1991 to 12 There are no 01/1991 to 12 Our domestic  1980  1990  2000  EAST 2010  Wording of since 01/1980  We currently  Time span of	questionnaires of y2000 questionnaires of y2000 production of XY If yes, by follor 1981 1991 EAST 2001 2011 Name vg_ovtime question  work with overtin	1982 1992 2002	trained. es difficulties, a program of proc insufficient [1]  1983  1993  2003  2013  Label  overtime	s sucts 1984 1994 2004	1985 1995 2005	1986 1996	1987 1997 2007 2017 Survey period West since 02	1998 2008 2018	2009	Survey frequency  Jan, Apr, Jul, Oct Mrch, Jun, Sep, Dec
O1/1991 to 12 There are no O1/1991 to 12 Our domestic  1980  1990  2000  FAST  2010  Wording of since 01/1980  We currently	questionnaires of y2000 questionnaires of y2000 production of XY If yes, by follor for variable  1981  1991  EAST  2001  Vig_ovtime question  work with overting work with overting for variable	1982 1992 2002 2012	strained. es difficulties, a program of proc insufficient [1]  1983  1993  2003  2013  Label overtime	1984 1994 2004 2014	1985 1995 2005	1986 1996 2006 2016	1997 2007 2017 Survey period West since 02 East and Wes	1998  2008  2018  d  1/1980 to 10/2/0t t since 03/200	2009 2019 2010 2011 2001 2001	Survey frequency  Jan, Apr, Jul, Oct Mrch, Jun, Sep, Dec
01/1991 to 12 There are no 01/1991 to 12 Our domestic  1980  1990  2000  EAST 2010  No. 3.17)  Wording of we currently Time span of	questionnaires of y2000 questionnaires of y2000 production of XY If yes, by follor for variable  1981  1991  EAST  2001  Vig_ovtime question  work with overting work with overting for variable	1982 1992 2002 2012	strained. es difficulties, a program of proc insufficient [1]  1983  1993  2003  2013  Label overtime	1984 1994 2004 2014	1985 1995 2005	1986 1996 2006 2016	1997 2007 2017 Survey period West since 02 East and Wes	1998  2008  2018  d  1/1980 to 10/2/0t t since 03/200	2009 2019 2010 2011 2001 2001	Survey frequency  Jan, Apr, Jul, Oct Mrch, Jun, Sep, Dec

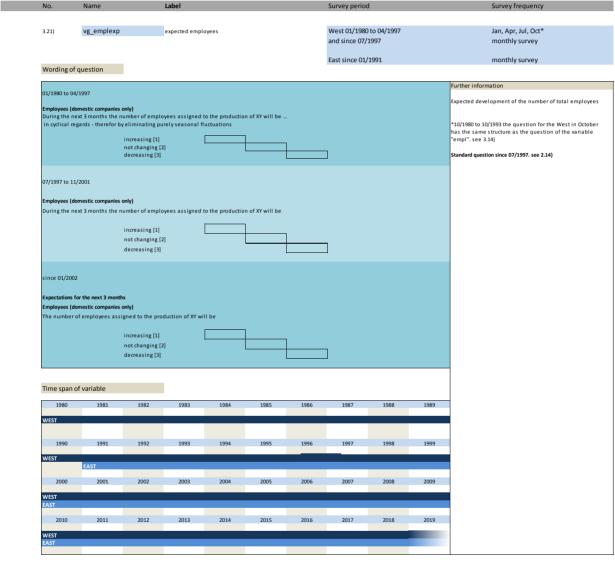


	Name		Label				Survey perio	d		Survey frequency
3.18)	vg_ovtimem	no	overtime more	than customary			West since 0	1/1980 to 10/2	001	Jan, Apr, Jul, Oct
							East and Wes	st since 03/200	2	Mrch, Jun, Sep, Dec
Wording of	question									
										Further information
since 01/1980	0									Overtime more than customary
We currently	work with overti	me								Overtime more than customary
	If yes, more th	nan customary								06/2012 - 03/2018: if vg_ovtime was answered with
		yes [1]		no [2]						vg_ovtimemo was set on "no [2]" automatically
				110 [2]						
Time span	oi variable									
1980	1981	1982	1983	1984	1985	1986	1987	1988	1989	
1980	1981	1982	1983	1984	1985	1986	1987	1988	1989	
1980 WEST	1981	1982	1983	1984	1985	1986	1987	1988	1989	
	1981	1982	1983	1984	1985	1986	1987	1988	1989	
	1981	1982	1983	1984	1985	1986	1987	1988	1989	
WEST 1990										
WEST										
WEST 1990 WEST	1991	1992	1993	1994	1995	1996	1997	1998	1999	
WEST 1990										
WEST 1990 WEST	1991	1992	1993	1994	1995	1996	1997	1998	1999	
WEST 1990 WEST 2000	1991	1992	1993	1994	1995	1996	1997	1998	1999	
WEST 1990 WEST 2000	1991	1992	1993	1994	1995	1996	1997	1998	1999	
1990 WEST 2000 WEST 2010	1991	1992 2002	1993	1994	1995	1996	1997	1998	1999	
1990 WEST 2000 WEST	1991	1992 2002	1993	1994	1995	1996	1997	1998	1999	

No.	Name		Label				Survey perio	d		Survey frequency
3.19)	vg_stwork		short-time work				West 01/1980	to 10/2001		Jan, Apr, Jul, Oct
	0_		•				East 01/1991			monthly survey
							East 01/2001	to 10/2001		Jan, Apr, Jul, Oct
Wording of	question						East and Wes	t since 01/200	2	Mrch, Jun, Sep, Dec
										·
01/1991 to 10/	/2001									Further information
										Short-time work
No questionn	aires for the East	available								
since 01/1980	ı									
147	have short-time v									
we currently r	nave snort-time v	/OFK								
		yes [1]		no [2]						
Time span o	f variable									
Time span o	i variable									
1980	1981	1982	1983	1984	1985	1986	1987	1988	1989	
WEST										
1990	1991	1992	1993	1994	1995	1996	1997	1998	1999	
WEST										
	EAST									
2000	2001	2002	2002	2004	2005	2006	2007	2009	2000	
2000	2001	2002	2003	2004	2005	2006	2007	2008	2009	
WEST	2001	2002	2003	2004	2005	2006	2007	2008	2009	
WEST	2001	2002	2003	2004	2005	2006	2007	2008	2009	
WEST EAST										
WEST	2001	2002	2003	2004	2005	2006	2007	2008	2009	
WEST 2010 WEST										
WEST EAST 2010										

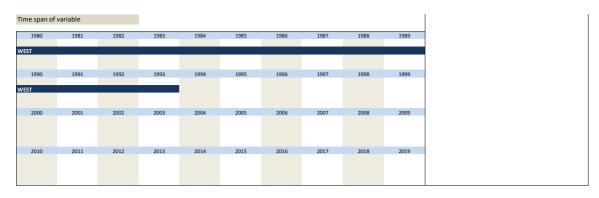
1	No.	Name	Label	Survey period	Survey frequency
	3.20) Wording of q	vg_stworkexp uestion	expected short-time work	West 01/1980 to 10/2001 East 01/1991 to 12/2000 East 01/2001 to 10/2001 East and West since 01/2002	Jan, Apr, Jul, Oct monthly survey Jan, Apr, Jul, Oct Mrch, Jun, Sep, Dec
	01/1991 to 10/2 No questionna	ires for the East available			Further information  Expected short-time work
	01/1980 to 10/2	001 t 3 months we will expectedly v	work short-time		
9	since 03/2002	yes [1]	jilo (z)		

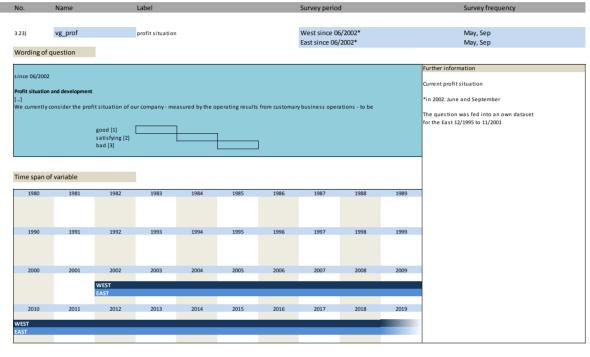


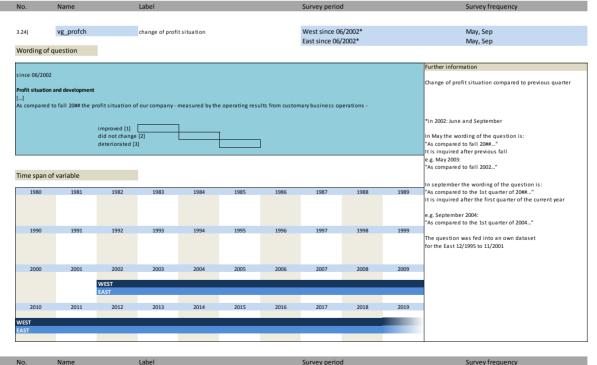


No.	Name	Label	Survey period	Survey frequency
3.22)	vg_empl	employees 12 month	West 10/1980 to 10/1993	annual survey *
Wording of	fauestion			
wordingor	question			
				Further information
Employees In cyclical reg during the ne		ninating purely seasonal flutuations - the number of	employees assigned to the production of XY will be	Employees expectations  *The expected occupation during the next 3 months is recorded by the variable
		3 months*	12 months	"emplexp", see 3.13)
	not		nth under report on **	10/1990 to 10/1993  **additionally "from month under report on"  * annual survey in October

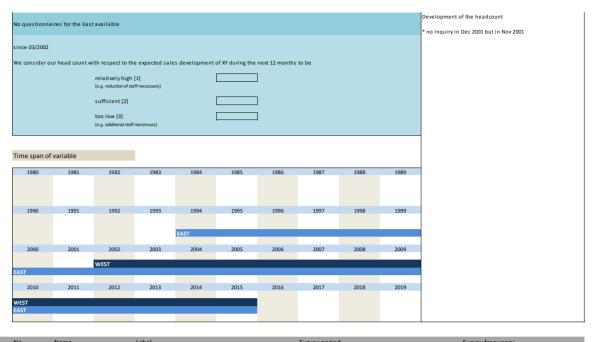
No. Name





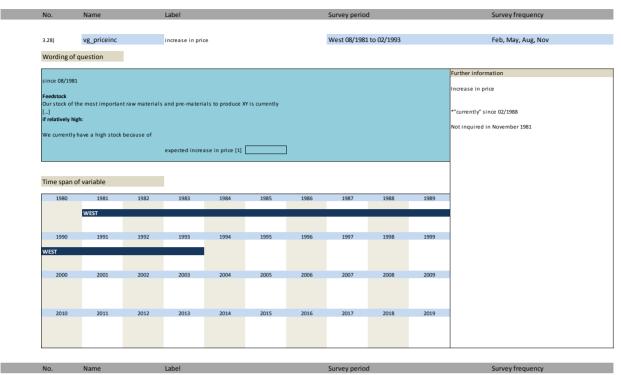


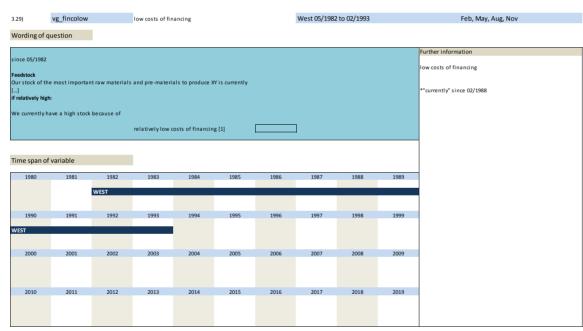
5) vg	g_hcount	West 03/2002 - 12/2015	Mrch, Jun, Sep, Dec
		East 09/1994 - 12/2015*	Mrch, Jun, Sep, Dec
Vording of que	stion		
			Further information
9/1994 to 12/2001			



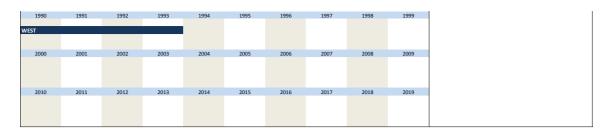
Since 02/1980   Since 02/198	No.	Name		Label				Survey perior	d .		Survey frequency
Since 02/1980   Feedstock											
Further information   feedstock	3.26)	vg_fest		feedstock				West 02/1980	to 05/1994		Feb, May, Aug, Nov
Feedstack   Gurstack of the most important raw materials and pre-materials to produce XY is currently   relatively high [1]   normal [2]   relatively low [3]   stock-keeping not usual [4]     1980   1981   1982   1983   1984   1985   1986   1987   1988   1989	Wording of	question									
Feedstack   Gurstack of the most important raw materials and pre-materials to produce XY is currently   relatively high [1]   normal [2]   relatively low [3]   stock-keeping not usual [4]     1980   1981   1982   1983   1984   1985   1986   1987   1988   1989											Eurther information
Feedstock Our stock of the most important raw materials and pre-materials to produce XY is currently relatively high [1] normal [2] relatively low [3] stock-keeping not usual [4]  Time span of variable  1980 1981 1982 1983 1984 1985 1986 1987 1988 1989  WEST 1990 1991 1992 1993 1994 1995 1996 1997 1998 1999  WEST 2000 2001 2002 2003 2004 2005 2006 2007 2008 2009	since 02/198	0									
relatively high [1] normal [2] relatively low [3] stuck-keeping not usual [4]  Time span of variable  1980 1981 1982 1983 1984 1985 1986 1987 1988 1989  WEST  1990 1991 1992 1993 1994 1995 1996 1997 1998 1999  WEST  2000 2001 2002 2003 2004 2005 2006 2007 2008 2009	Feedstock										feedstock
normal   2    relatively low     3      stock-keeping not usual   4	Our stock of	the most importa	nt raw materials	and pre-materi	als to produce >	Y is currently					
relatively low [3] stock-keeping not usual [4]  Time span of variable  1980 1981 1982 1983 1984 1985 1986 1987 1988 1989  WEST  1990 1991 1992 1993 1994 1995 1996 1997 1998 1999  WEST  2000 2001 2002 2003 2004 2005 2006 2007 2008 2009				[1]							Not inquired in November 1981
Time span of variable  1980 1981 1982 1983 1984 1985 1986 1987 1988 1989  WEST  1990 1991 1992 1993 1994 1995 1996 1997 1998 1999  WEST  2000 2001 2002 2003 2004 2005 2006 2007 2008 2009			relatively low [3								
1980 1981 1982 1983 1984 1985 1986 1987 1988 1989  WEST  1990 1991 1992 1993 1994 1995 1996 1997 1998 1999  WEST  2000 2001 2002 2003 2004 2005 2006 2007 2008 2009			stock-keeping n	not usual [4]							
1980 1981 1982 1983 1984 1985 1986 1987 1988 1989  WEST  1990 1991 1992 1993 1994 1995 1996 1997 1998 1999  WEST  2000 2001 2002 2003 2004 2005 2006 2007 2008 2009											
WEST  1990 1991 1992 1993 1994 1995 1996 1997 1998 1999  WEST  2000 2001 2002 2003 2004 2005 2006 2007 2008 2009	Time span	of variable									
WEST  1990 1991 1992 1993 1994 1995 1996 1997 1998 1999  WEST  2000 2001 2002 2003 2004 2005 2006 2007 2008 2009	1980	1981	1987	1983	1984	1985	1986	1987	1988	1989	
1990 1991 1992 1993 1994 1995 1996 1997 1998 1999  WEST  2000 2001 2002 2003 2004 2005 2006 2007 2008 2009		1501	1502	1505	1304	1505	1300	1507	1500	1505	
WEST 2000 2001 2002 2003 2004 2005 2006 2007 2008 2009	WEST										
WEST 2000 2001 2002 2003 2004 2005 2006 2007 2008 2009	1990	1991	1992	1993	1994	1995	1996	1997	1998	1999	
2000 2001 2002 2003 2004 2005 2006 2007 2008 2009											
	WEST										
2010 2011 2012 2013 2014 2015 2016 2017 2018 2019	2000	2001	2002	2003	2004	2005	2006	2007	2008	2009	
2010 2011 2012 2013 2014 2015 2016 2017 2018 2019											
2010 2011 2012 2013 2014 2015 2016 2017 2018 2019											
	2010	2011	2012	2013	2014	2015	2016	2017	2018	2019	

3.27)	vg_proenl		enlargement o	production			West 08/1981	l to 02/1993		Feb, May, Aug, Nov
Wording of	fquestion									
										Further information
since 08/198	1									
Feedstock										enlargement of production
Our stock of	the most importan	t raw materials	s and pre-materi	als to produce X	Y is currently					
[] if relatively hi	igh:									*"currently" since 02/1988
	have a high stock	hasausa of								
we currently	riiave a iligii stock	because of								
			enlargement o	f production [1]						
Time span	of variable									
1980	1981	1982	1983	1984	1985	1986	1987	1988	1989	
1980		1982	1983	1984	1985	1986	1987	1988	1989	
	WEST									
1990	1991	1992	1993	1994	1995	1996	1997	1998	1999	
WEST										
2000	2001	2002	2003	2004	2005	2006	2007	2008	2009	
2010	2011	2012	2013	2014	2015	2016	2017	2018	2019	





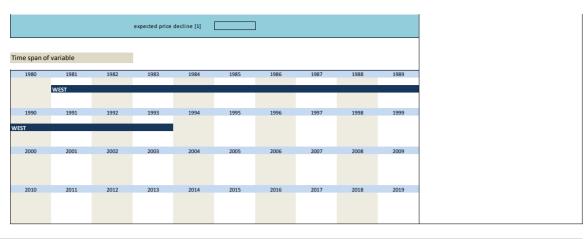
.30)	vg_diffsup1		difficulties of s	upply			West 08/198	to 02/1993		Feb, May, Aug, Nov
Wording of o	question									
ince 08/1981										Further information difficulties of supply
Our stock of th ] f relatively high	e most important	raw material	s and pre-materia	ils to produce 2	XY is currently					*"currently" since 02/1988 Not inquired in November 1981
Ve currently h	iave a high stock b	ecause of	difficulties of s	upply [1]						
ime span of	f variable									
1980	1981	1982	1983	1984	1985	1986	1987	1988	1989	
	WEST									



No.	Name		Label				Survey perio	d		Survey frequency
3.31)	vg_weaken		weakening				West 08/198	l to 02/1993		Feb, May, Aug, Nov
Wording of q	uestion									
since 08/1981										Further information
Feedstock										weakening
Our stock of the	e most importan	t raw material	s and pre-materi	als to produce X	Y is currently					*"currently" since 02/1988
[] if relatively high	n:									Not inquired in November 1981
We currently b	ave a high stock	hacausa of								
we contently in	ave a mgn stock	because or								
			The feedstock i a weakening (i		o a		1			
Time span of	variable									
1980	1981	1982	1983	1984	1985	1986	1987	1988	1989	
	WEST									
1990	1991	1992	1993	1994	1995	1996	1997	1998	1999	
WEST										
2000	2001	2002	2003	2004	2005	2006	2007	2008	2009	
2010	2011	2012	2013	2014	2015	2016	2017	2018	2019	

2)	vg_prored		reduction of pro	duction			West 08/1981	to 02/1993		Feb, May, Aug, Nov
ording of o	question									
										Further information
nce 08/1981										Reduction of production
edstock r stock of th	ne most important	raw materials	and pre-materia	Is to produce X	Y is currently					*"currently" since 02/1988
elatively low					•					Not inquired in November 1981
	nave a low stock or	numaca h	use of							1302
currentiyr	lave a low stock of									
			reduction in pro	duction [1]						
ne span o	f variable									
1980	1981									
	1901	1982	1983	1984	1985	1986	1987	1988	1989	
		1982	1983	1984	1985	1986	1987	1988	1989	
	WEST	1982	1983	1984	1985	1986	1987	1988	1989	
1990		1982	1983	1984	1985	1986	1987	1988	1989	
	WEST									
	WEST 1991	1992	1993		1995	1996	1997	1998	1999	
	WEST									
EST	WEST 1991	1992	1993	1994	1995	1996	1997	1998	1999	
2000	1991 2001	1992	1993	1994 2004	1995 2005	1996	1997 2007	1998 2008	1999	
EST	WEST 1991	1992	1993	1994	1995	1996	1997	1998	1999	
2000	1991 2001	1992	1993	1994 2004	1995 2005	1996	1997 2007	1998 2008	1999	

IVO.	Name	Lanei	Survey periou	Survey frequency
3.33)	vg_pricedec	price decrease	West 08/1981 to 02/1993	Feb, May, Aug, Nov
Wording of q	uestion			
since 08/1981				Further information
,				price decrease
Feedstock				
	e most important raw r	materials and pre-materials to produce XY is cu	rrently	*"currently" since 02/1988
[]				
if relatively low	:			Not inquired in November 1981
We currently ha	ave a low stock on purp	pose because of		



No.	Name		Label				Survey perio	d		Survey frequency
3.34)	vg_fincohi		high costs of fi	nancing			West 05/1982	2 to 02/1993		Feb, May, Aug, Nov
Wording of	question									
										Further information
since 05/1982										
Feedstock										high costs of financing
Our stock of th	he most importa	nt raw materials	and pre-materi	als to produce 2	KY is currently					*"currently" since 02/1988
if relatively lov	w:									
We currently i	have a low stock	on purpose bec	ause of							
			unusual high							
			costs of financi	ing [1]		1				
				0 (-)						
				6 (-)						
Time span o	of variable									
Time span o	of variable	1982	1983	1984	1985	1986	1987	1988	1989	
	1981	1982 WEST			1985	1986	1987	1988	1989	
	1981				1985	1986	1987	1988	1989	
	1981				1985	1986	1987 1997	1988	1989	
1980	1981	WEST	1983	1984						
1980	1981	WEST	1983	1984						
1980	1981	WEST	1983	1984						
1980 1990 WEST	1981	WEST 1992	1983	1984	1995	1996	1997	1998	1999	
1980 1990 WEST	1981	WEST 1992	1983	1984	1995	1996	1997	1998	1999	
1980 1990 WEST	1981	WEST 1992	1983	1984	1995	1996	1997	1998	1999	
1980 1990 WEST	1981	1992 	1983	1984	1995	1996 2006	1997	1998	1999	

35)	vg_diffsup2		difficulties of s	upply			West 08/1983	l to 02/1993		Feb, May, Aug, Nov
ording of	question									
										Further information
nce 08/1981	1									Difficulties of supply
edstock	the most importar	at raw material	s and nra-materi	als to produce '	V is currently					Not inquired in November 1981
.]		it ia w materiar	s and pre-matem	ars to produce i	Ki is cullently					Not inquired in November 1981
relatively lov	w:									
e feedstocl	k became scarce	due to								
			difficulties of s	upply [1]						
me span o	of variable									
1980	1981	1982	1983	1984	1985	1986	1987	1988	1989	
1980		1982	1983	1984	1985	1986	1987	1988	1989	
1980	1981 WEST	1982	1983	1984	1985	1986	1987	1988	1989	
	WEST									
1990		1982	1983	1984	1985	1986	1987	1988	1989	
	WEST									
1990 IEST	WEST 1991	1992	1993	1994	1995	1996	1997	1998	1999	
1990	WEST									
1990 IEST	WEST 1991	1992	1993	1994	1995	1996	1997	1998	1999	
1990 /EST 2000	1991 2001	1992	1993	1994	1995	1996	1997	1998 2008	1999	
1990 IEST	WEST 1991	1992	1993	1994	1995	1996	1997	1998	1999	
1990 /EST 2000	1991 2001	1992	1993	1994	1995	1996	1997	1998 2008	1999	

No. Name Label Survey period Survey frequency

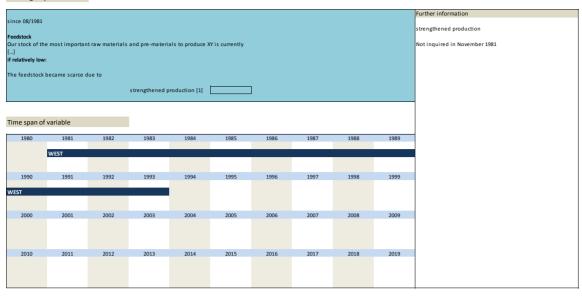
West 08/1981 to 02/1993

Feb, May, Aug, Nov

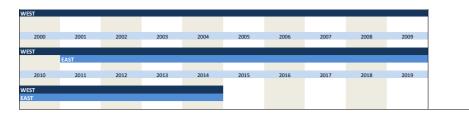
vg\_strength strengthening

3.36)

Wording of question

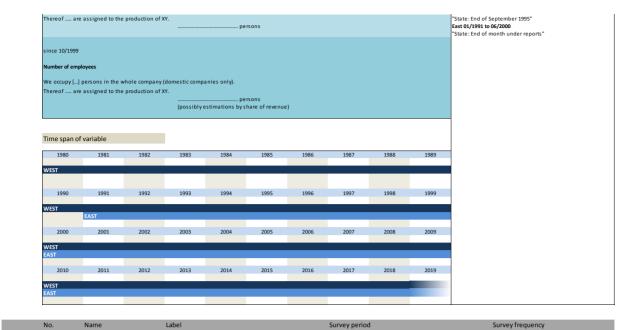


Feb, May, Aug, Nov Feb, May, Aug, Nov West 02/1980 - 11/2014 vg\_festwe 3.37) feedstock in weeks East 02/2001 - 11/2014 Wording of question urther information 02/2001 to 11/2001 eedstock in weeks No questionnaires for the East available meaning in dataset:
"no feedstock" = 0 weeks
"less than 1/2" = 0,3 weeks
"more than 6, in fact", but just ticked
= 8 weeks 02/1980 to 08/1981 Feedstock Our feedstock is currently sufficient for less than 0,5 0,5 1 2 3 4 5 6 in fact weeks of production (measured by the current extent of production) 11/1981 to 02/1994 no feedstock than 0,5 | 0,5 1 2 3 4 5 6 in fact weeks of production (measured by the current extent of production) 05/1994 stock than 0,5 | ess | 0,5 1 2 3 4 5 6 | in fact 08/1994 to 11/2001 | less | Produktion von ... weeks\*\* | more than 6 | 0,5 | 1 | 2 | 3 | 4 | 5 | 6 | in fact Time span of variable 1980 1983 1984 1986 1989 WEST 1992 1993 1994 1995 1997 1998



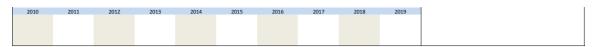
No.	Name		Label				Survey period	l		Survey frequency
3.38) Wording o	vg_stinwe		stock of invento	ries in weeks			West 02/1980 East 02/2001			Feb, May, Aug, Nov Feb, May, Aug, Nov
										Further information
02/2001 to 1	11/2001									Stock of inventories in weeks in weeks
No question	nnaires for the East	available								* 08/1980
02/1980 to 0	08/1981									"no stock of inventories" = 0 weeks "less than 1/2" = 0,3 weeks "more than 6, in fact", but just ticked
Stock of inve	entories f unsold finished go	oods of XY curre	ntly equates to							= 8 weeks
		less than 0,5	0,5 1 2	3 4 5 6	more than 6, in fact					
weeks of pr	roduction (measure									
11/1981 to 1	11/2001									
Stock of inv Our stock of	f unsold finished go									
	no inventorie	s than 0,5	0,5 1 2	3 4 5	more than 6, in fact					
weeks of pr	roduction (measure									
since 02/20	02									
Stock of inve	entories f unsold finished go	oods of XY curre	ntly equates to a							
	no inventorie	less s than 0,5	production of	f weeks** 3   4   5   6	more than 6, in fact					
**measured by	the current extent of produ		1 1 1 1	1 1 1 1						
Time span	of variable									
1980	1981	1982	1983	1984	1985	1986	1987	1988	1989	
WEST										
1990	1991	1992	1993	1994	1995	1996	1997	1998	1999	
WEST										
2000	2001	2002	2003	2004	2005	2006	2007	2008	2009	
WEST	EAST									
2010	2011	2012	2013	2014	2015	2016	2017	2018	2019	
WEST										
EAST										

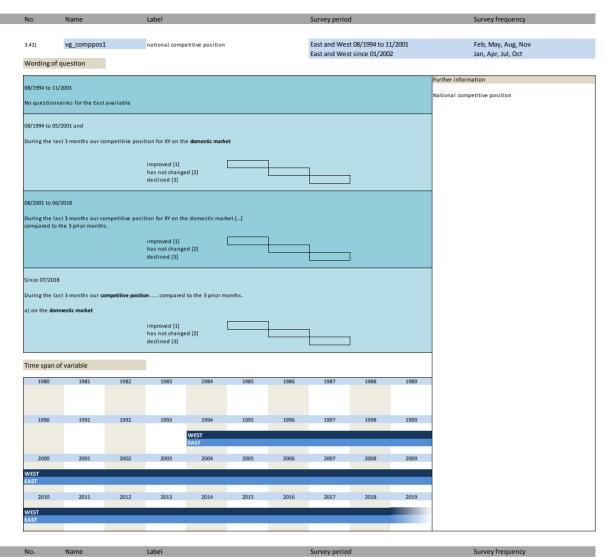
vg_empp	o2	employees in production	West 09/1980 to 10/2001	annual survey*
			East 01/1991 to 06/2001	monthly survey
Wording of question			East and West since 11/2001	annual survey**
				Further information
1/1991 to 11/2001				Further information
, 1331 to 11, 2001				Employees in production for XY
questionnaires for the	ast available			
				* annual survey
9/1980				1980: inquiry in September 1981 - 2000: inquiry in October
/1980				1994: no inquiry
imber of employees (em	lovees and works	ers, state September 1980) assigned to the production of XY		2554. No miquity
	,			** annual survey in November
		aboutpersons		Note West:
				The data is only inquired annually but appears in the datasets monthly.
0/1981 to 10/1997				This is due to the fact, that every month the data
, ,				of the annual survey is transferred manually.
imber of employees				The data of the current survey is normally transferred
ate: End of [month] [year	***			2-3 months after the survey
		y (domestic companies only).		Example:
e occupy [] persons in i nereof are assigned to				For November, December 2002 the
icicor uic assigneu ti	the production of	persons		variable emppro2 contains the value of the survey from
				November 2001. Since January 2003 the
				variable emppro2 contains the value of the survey from
0/1998				Nov 02
umber of employees				***West 10/1995 to 10/1997
,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,				Month and year of the previous reporting interval
le occupy [] persons in t	ne whole company	y (domestic companies only).		Example 10/1995:

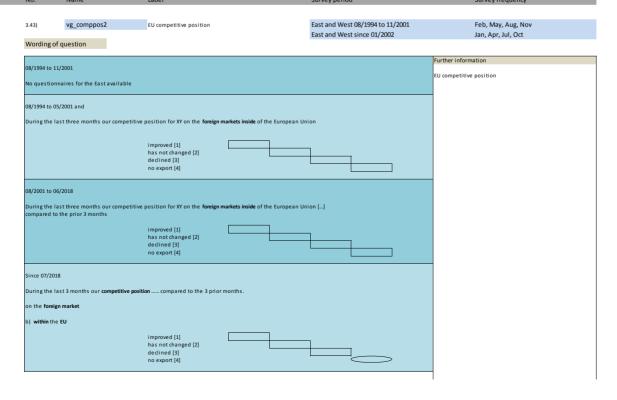


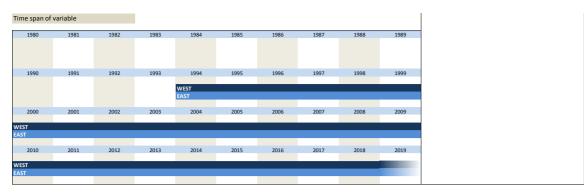
No.	Name		Label				Survey perio	d		Survey frequency
3.40)	vg_emplinc		increase of em	iployees in %			East 01/1991	to 12/2000		monthly survey
Wording	of question									
										Further information
01/1991 to	12/2000									
There are r	no questionnaires f	or the East avai	lable. The follow	ving wording is	taken from previ	ious lists of var	iables			Increase of employees for the production of XY in %
01/1991 to	12/2000									
During the	next 3 months the r	number of empl	ovees assigned	to the produccti	on of XY will []					
	regards - therefor b				****** []					
			increase by ab	out9	5					
Time spar	n of variable									
1980	1981	1982	1983	1984	1985	1986	1987	1988	1989	
1990	1991	1992	1993	1994	1995	1996	1997	1998	1999	
	EAST									
2000	2001	2002	2003	2004	2005	2006	2007	2008	2009	
EAST										
2010	2011	2012	2013	2014	2015	2016	2017	2018	2019	
2010	2011	2012		2324	2323	2310		2010		
										<u> </u>

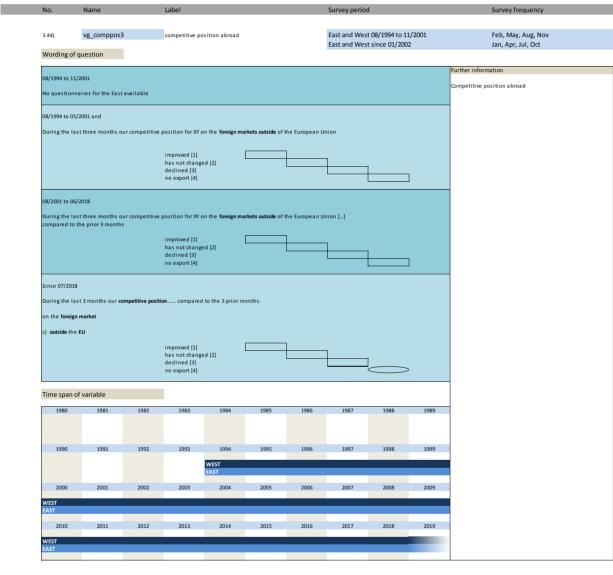
vg\_empldec decrease of employees in % East 01/1991 to 12/2000 monthly survey 3.41) Wording of question Further information 01/1991 to 12/2000 Decrease of employees for the production in % There are no questionnaires for the East available. The following wording is taken from previous lists of variables 01/1991 to 12/2000 During the next 3 months the number of employees assigned to the production of XY will [...] in cyclical regards - therefor by eliminating purely seasonal fluctuations decrease by about ..... Time span of variable 1991 1992 1999 EAST 2009 2000 2001 2002 2003 2004 2005 2006 2007 2008

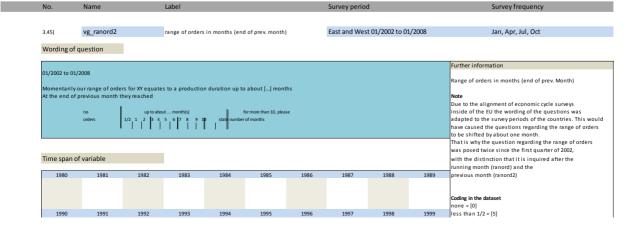


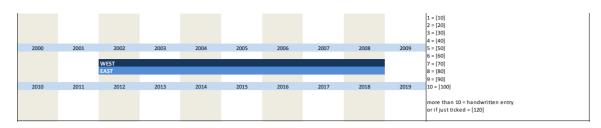








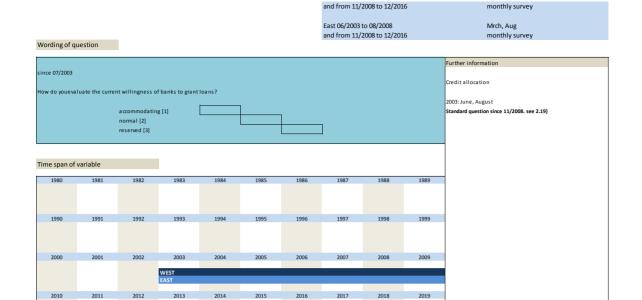


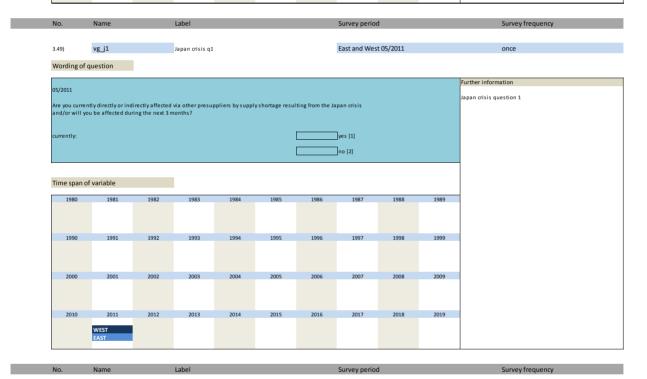


No.	Name		Label				Survey period	d		Survey frequency	
3.46)	vg_uticappc2		capacity utiliza	tion in % (end o	f prev. month)		East and Wes	t 01/2002 to 01	/2008	Jan, Apr, Jul, Oct	
Wording of q	ording of question										
										Further information	
01/2002 to 01/2	2008									Capacity utilization in % (end of prev. Month)	
No questionna	aires for the East	available									
01/2002 to 01/2										Coding in the dataset Number above the ticked box more than 100 % = handwritten entry or if just ticked = [120]	
	apacity utilizations s month it was u		o produce XY (cu	stomary full cap	acity utilization	n = 100%) is up to	o []%				
in the previous					than 100%						
		30 40 50 60 7	0 75 80 85 90	95 100 in fact	t:						
	1	1 1 1 1 1	11111								
	[										
	[										
Time span of											
Time span of	f variable										
Time span of		1982	1983	1984	1985	1986	1987	1988	1989		
	f variable			1984	1985	1986	1987	1988	1989		
	f variable			1984	1985	1986	1987	1988	1989		
	f variable			1984	1985	1986 1996	1987 1997	1988	1989		
1980	f variable	1982	1983								
1980	f variable	1982	1983								
1980	f variable  1981  1991	1982	1983	1994	1995	1996	1997	1998	1999		
1980	1981 1991 2001	1982	1983								
1980	1981 1991 2001	1982 1992 2002 WEST	1983	1994	1995	1996	1997	1998	1999		
1980	1981 1991 2001	1982 1992 2002 WEST EAST	1983	1994 2004	1995 2005	1996 2006	1997 2007	1998 2008	1999		
1980	1981 1991 2001	1982 1992 2002 WEST	1983	1994	1995	1996	1997	1998	1999		
1980	1981 1991 2001	1982 1992 2002 WEST EAST	1983	1994 2004	1995 2005	1996 2006	1997 2007	1998 2008	1999		

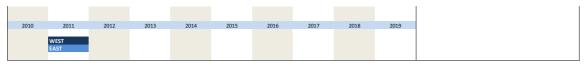
No.	Name		Label				Survey perior	j		Survey frequency
.47)	vg_emppro		employees				West 01/1991	to 10/2001		annual survey*
							East 01/1991	to 06/2001		monthly survey
Vording of o	question						East and Wes	t since 11/200	1	annual survey**
										Further information
1/1991 to 11/	2001									persons occupied in the company
o questionn	aires for the East	available								
										*1991 - 2000: inquiry in October 1994: no inquiry
0/1991 to 10/	1997									**annual survey in November
lumber of emp	ployees									Note West:
tate: End [mo	onth] [year]***									The data is only inquired annually
n the whole	company (domesti	ic companies or	nly) we occupy							but appears in the datasets monthly. This is due to the fact, that every month the data
	apuny (uoniest		,, же оссиру							of the annual survey is transferred manually.
				pe	rsons					The data of the current survey is normally transferred 2-3 months after the survey
since 10/1998	3									Example: For November, December 2002 the
Number of emp	ployees									variable emppro contains the value of the survey from
										variable emppro contains the value of the survey from November 2001. Since January 2003 the
	ployees company (domesti	ic companies or	nly) we occupy							variable emppro contains the value of the survey from
		ic companies or	aly) we occupy	pe	rsons					variable emppro contains the value of the survey from November 2001. Since January 2003 the variable emppro contains the value of the survey from
		ic companies or	ily) we occupy	pe	rsons					variable emppro contains the value of the survey from November 2001. Since January 2003 the variable emppro contains the value of the survey from
n the whole o	company (domes ti	ic companies or	nly) we occupy	ре	rsons					variable emppro contains the value of the survey from November 2001. Since January 2003 the variable emppro contains the value of the survey from Nov 02  ***West 01/1994 to 10/1997
n the whole o	company (domes ti	ic companies or	aly) we occupy	pe	rsons					variable emppro contains the value of the survey from November 2001. Since January 2003 the variable emppro contains the value of the survey from Nov 02  ***West 01/1994 to 10/1997 month and year of the previous reporting interval
	company (domes ti	ic companies or	1983	pe	rsons 1985	1986	1987	1988	1989	variable emppro contains the value of the survey from November 2001. Since January 2003 the variable emppro contains the value of the survey from Nov 02  ***West 01/1994 to 10/1997 month and year of the previous reporting interval Example 10/1995:  State: End of September 1995*
n the whole o	company (domesti f variable					1986	1987	1988	1989	variable emppro contains the value of the survey from November 2001. Since January 2003 the variable emppro contains the value of the survey from Nov 02  ***West 01/1994 to 10/1997 month and year of the previous reporting interval Example 10/1995: "State: End of September 1995" Estato: End of September 1995" Estato: End of September 1995"
n the whole o	company (domesti f variable					1986	1987	1988	1989	variable emppro contains the value of the survey from November 2001. Since January 2003 the variable emppro contains the value of the survey from Nov 02  ***West 01/1994 to 10/1997 month and year of the previous reporting interval Example 10/1995:  State: End of September 1995*
Fime span of	company (domesti f variable					1986	1987	1988		variable emppro contains the value of the survey from November 2001. Since January 2003 the variable emppro contains the value of the survey from Nov 02  ***West 01/1994 to 10/1997 month and year of the previous reporting interval Example 10/1995: "State: End of September 1995" Estato: End of September 1995" Estato: End of September 1995"
n the whole o	f variable  1981	1982	1983	1984	1985				1989	variable emppro contains the value of the survey from November 2001. Since January 2003 the variable emppro contains the value of the survey from Nov 02  ***West 01/1994 to 10/1997 month and year of the previous reporting interval Example 10/1995: "State: End of September 1995" Estato: End of September 1995" Estato: End of September 1995"
Fime span of	f variable	1982	1983	1984	1985					variable emppro contains the value of the survey from November 2001. Since January 2003 the variable emppro contains the value of the survey from Nov 02  ***West 01/1994 to 10/1997 month and year of the previous reporting interval Example 10/1995: "State: End of September 1995" Estato: End of September 1995" Estato: End of September 1995"
Fime span o	f variable  1981  1991  WEST EAST	1982 1992	1983	1984	1985	1996	1997	1998	1999	variable emppro contains the value of the survey from November 2001. Since January 2003 the variable emppro contains the value of the survey from Nov 02  ***West 01/1994 to 10/1997 month and year of the previous reporting interval Example 10/1995: "State: End of September 1995" Estato: End of September 1995" Estato: End of September 1995"
Fime span of	f variable  1981  1991  WEST	1982	1983	1984	1985					variable emppro contains the value of the survey from November 2001. Since January 2003 the variable emppro contains the value of the survey from Nov 02  ***West 01/1994 to 10/1997 month and year of the previous reporting interval Example 10/1995: "State: End of September 1995" Estato: End of September 1995" Estato: End of September 1995"
Time span of 1980	f variable  1981  1991  WEST EAST	1982 1992	1983	1984	1985	1996	1997	1998	1999	variable emppro contains the value of the survey from November 2001. Since January 2003 the variable emppro contains the value of the survey from Nov 02  ***West 01/1994 to 10/1997 month and year of the previous reporting interval Example 10/1995: "State: End of September 1995" Estato: End of September 1995" Estato: End of September 1995"
Fime span o	f variable  1981  1991  WEST EAST	1982 1992	1983	1984	1985	1996	1997	1998	1999	variable emppro contains the value of the survey from November 2001. Since January 2003 the variable emppro contains the value of the survey from Nov 02  ***West 01/1994 to 10/1997 month and year of the previous reporting interval Example 10/1995: "State: End of September 1995" Estato: End of September 1995" Estato: End of September 1995"
Time span of 1980	f variable  1981  1991  WEST EAST	1982 1992	1983	1984	1985	1996	1997	1998	1999	variable emppro contains the value of the survey from November 2001. Since January 2003 the variable emppro contains the value of the survey from Nov 02  ***West 01/1994 to 10/1997 month and year of the previous reporting interval Example 10/1995: "State: End of September 1995" Estato: End of September 1995" Estato: End of September 1995"
Fime span of 1980 1990 2000 WEST	f variable  1981  1991  WEST EAST 2001	1982 1992 2002	1983	1984 1994 2004	1985 1995 2005	1996	1997	1998 2008	1999	variable emppro contains the value of the survey from November 2001. Since January 2003 the variable emppro contains the value of the survey from Nov 02  ***West 01/1994 to 10/1997 month and year of the previous reporting interval Example 10/1995: "State: End of September 1995" Estato: End of September 1995" Estato: End of September 1995"

No.	Name	Label	Survey period	Survey frequency
3.48)	vg_credit	credit allocation	West 06/2003 to 08/2008	Mrch, Aug

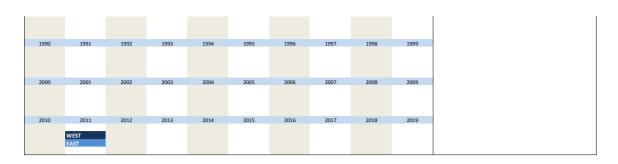




3.50) vg\_j2 Japan crisis q2 East and West 05/2011 once Wording of question Further information 05/2011 Japan crisis question 2 Are you currently directly or indirectly affected via other presuppliers by supply shortage resulting from the Japan crisis and/or will you be affected during the next 3 months? no [2] Time span of variable 1991 1992 1993 1997 1999 1990 1994 1996 1998 2003 2004



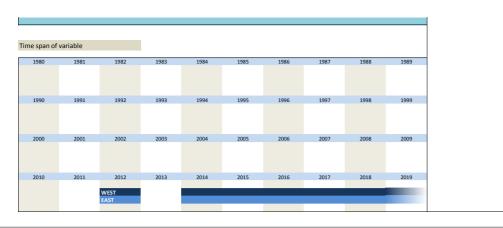
No.							Survey perior	-		Survey frequency
3.51)	vg_j3		Japan crisis q3		once					
Wording of	question									
05/2011										Further information
	ntly directly or ind	irectly affected y	via other presup	pliers by supp	lv shortage resu	Iting from the Ja	apan crisis			Japan crisis question 3
	ou be affected du			, ,	,					
currently:		If yes: (referenc	e to question J1	)			_			
		Our methods: re	duction of prod	uction			yes [1]			
							no [2]			
T:	-fi-bl-									
Time span o	1981	1982	1983	1984	1985	1986	1987	1988	1989	
1980	1981	1982	1983	1984	1985	1986	1987	1988	1989	
1990	1991	1992	1993	1994	1995	1996	1997	1998	1999	
2000	2001	2002	2003	2004	2005	2006	2007	2008	2009	
		****	****	***		***	****	***		
2010	2011 WEST	2012	2013	2014	2015	2016	2017	2018	2019	
	WEST EAST									
No.	Name		Label				Survey perior	d		Survey frequency
3.52)	vg_j4		Japan crisis q4				East and Wes	t 05/2011		once
	V5_] ¬		Japan Citata 44				East and Wes	103/2011		Office
05/2011 Are you curre and/or will y	question  Intly directly or indicate on the directly or indicate of the directly o			pliers by supp	ly shortage resu	Iting from the Ja	apan crisis			Further information Japan crisis question 4
05/2011 Are you curre and/or will y	ntly directly or ind			pliers by supp	ly shortage resu		pan crisis ]yes [1] ]no [2]			
05/2011 Are you curre and/or will y	ntly directly or ind ou be affected dui ext 3 months:			pliers by supp	ly shortage resu		yes [1]			
05/2011  Are you curre and/or will y  During the no	ntly directly or ind ou be affected dui ext 3 months:			pliers by supp	ly shortage resu		yes [1]	1988	1989	
05/2011  Are you curre and/or will y  During the ne	ently directly or ind ou be affected dur ext 3 months:	ing the next 3 m	onths?				]ves [1] ]no [2]	1988	1989	
05/2011  Are you curre and/or will y  During the no	ntly directly or ind ou be affected dui ext 3 months: of variable	ing the next 3 m	1983	1984	1985	1986	yes [1] ]no [2] 1987			
05/2011  Are you curre and/or will y  During the ne	ently directly or ind ou be affected dur ext 3 months:	ing the next 3 m	onths?				]ves [1] ]no [2]	1988	1989	
OS/2011  Are you curre and/or will y  During the notes that the second of the second o	ntly directly or ind ou be affected dur ext 3 months: Of variable 1981	1982	1983 1993	1984	1985	1986	yes [1] no [2] 1987	1998	1999	
05/2011  Are you curre and/or will y  During the no	ntly directly or ind ou be affected dui ext 3 months: of variable	ing the next 3 m	1983	1984	1985	1986	yes [1] ]no [2] 1987			
OS/2011  Are you curre and/or will y  During the notes that the second of the second o	ntly directly or ind ou be affected dur ext 3 months: Of variable 1981	1982	1983 1993	1984	1985	1986	yes [1] no [2] 1987	1998	1999	
OS/2011  Are you curre and/or will y  During the notes that the second of the second o	ntly directly or ind ou be affected dur ext 3 months: Of variable 1981	1982	1983 1993	1984	1985	1986	yes [1] no [2] 1987	1998	1999	
OS/2011  Are you curre and/or will y  During the no  1980  1990  2000	ntly directly or ind ou be affected duriest 3 months: of variable  1981  2001	1982 1992 2002	1983 1993 2003	1984 1994 2004	1985 1995 2005	1986 1996	yes (1]  no [2]   1987   1997   2007	1998	1999	
OS/2011  Are you curre and/or will y  During the no  1980  1990  2000	ntly directly or ind ou be affected dui ext 3 months: of variable 1981 1991	1982 1992 2002	1983 1993 2003	1984 1994 2004	1985 1995 2005	1986 1996	yes (1]  no [2]   1987   1997   2007	1998	1999	
OS/2011  Are you curre and/or will y  During the no  1980  1990  2000	ntly directly or ind ou be affected duriest 3 months: of variable  1981  2001	1982 1992 2002	1983 1993 2003	1984 1994 2004	1985 1995 2005	1986 1996	yes (1]  no [2]   1987   1997   2007	1998 2008 2018	1999	
OS/2011  Are you curre and/or will y  During the no  1980  1990  2000	ntly directly or ind ou be affected dui ext 3 months:  of variable  1981  1991  2001  WEST EAST	1982 1992 2002	1983 1993 2003 2013	1984 1994 2004	1985 1995 2005	1986 1996	yes [1] no [2] 1987 1997 2007 2017	1998 2008 2018	1999	Japan crisis question 4  Survey frequency
OS/2011  Are you curre and/or will y  During the no  1980  1990  2000	ntly directly or ind ou be affected during the set 3 months:  of variable  1981  1991  2001  WEST EAST	1982 1992 2002	1983 1993 2003	1984 1994 2004	1985 1995 2005	1986 1996	yes (1) no (2)  1987  1997  2007	1998 2008 2018	1999	Japan crisis question 4
OS/2011  Are you curre and/or will y  During the no  1980  1990  2000  No.	ntly directly or ind ou be affected during the set 3 months:  of variable  1981  2001  WEST EAST  Name	1982 1992 2002	1983 1993 2003 2013	1984 1994 2004	1985 1995 2005	1986 1996	yes [1] no [2] 1987 1997 2007 2017	1998 2008 2018	1999	Japan crisis question 4  Survey frequency
OS/2011  Are you curre and/or will y  During the no  1980  2000  2010  No.  3.53)  Wording of	ntly directly or ind ou be affected during the set 3 months:  of variable  1981  2001  WEST EAST  Name	1982 1992 2002	1983 1993 2003 2013	1984 1994 2004	1985 1995 2005	1986 1996	yes [1] no [2] 1987 1997 2007 2017	1998 2008 2018	1999	Japan crisis question 4  Survey frequency
OS/2011  Are you curre and/or will y  During the no  1980  2000  2010  No.  3.53)  Wording of	ntly directly or ind ou be affected during the set 3 months:  of variable  1981  2001  WEST EAST  Name	1982 1992 2002	1983 1993 2003 2013 Label	1984 1994 2004 2014	1985 1995 2005 2015	1986 1996 2006	yes [1] no [2] 1987 1997 2007 2017  Survey perior East and Wes	1998 2008 2018	1999	Japan crisis question 4  Survey frequency  Once
OS/2011  Are you curre and/or will y  During the no  1980  1990  2000  2010  No.  3.53)  Wording of  OS/2011  Are you curre	ntly directly or ind ou be affected during the set 3 months:  of variable  1981  1991  2001  WEST EAST  Name  vg_j5 question	1982 1992 2002 2012	1983 1993 2003 2013 Label Japan crisis q5	1984 1994 2004 2014	1985 1995 2005 2015	1986 1996 2006	yes [1] no [2] 1987 1997 2007 2017  Survey perior East and Wes	1998 2008 2018	1999	Survey frequency once
OS/2011  Are you curre and/or will y  During the not 1980  1990  2000  2010  No.  3.53)  Wording of oS/2011  Are you curre and/or will y	ntly directly or ind ou be affected during the state of variable  1981  1991  2001  WEST EAST  Name  vg_j5  question	1982  1992  2002  2012  irectly affected ving the next 3 m	1983 1993 2003 2013 Label Japan crisis q5	1984 1994 2004 2014	1985 1995 2005 2015	1986 1996 2006 2016	yes [1] no [2] 1987 1997 2007 2017  Survey perior East and Wes	1998 2008 2018	1999	Survey frequency once
OS/2011  Are you curre and/or will y  During the not 1980  1990  2000  2010  No.  3.53)  Wording of oS/2011  Are you curre and/or will y	ntly directly or ind ou be affected during the state of variable  1981  1991  2001  WEST EAST  Name  vg_j5  question	1982  1992  2002  2012	1983 1993 2003 2013 Label Japan crisis q5	1984 1994 2004 2014	1985 1995 2005 2015	1986 1996 2006 2016	yes [1]   no [2]   1987   1997   2007   2017   Survey perior   East and Wes	1998 2008 2018	1999	Survey frequency once
OS/2011  Are you curre and/or will y  During the not 1980  1990  2000  2010  No.  3.53)  Wording of oS/2011  Are you curre and/or will y	ntly directly or ind ou be affected during the state of variable  1981  1991  2001  WEST EAST  Name  vg_j5  question	1982  1992  2002  2012  irectly affected ving the next 3 m	1983 1993 2003 2013 Label Japan crisis q5	1984 1994 2004 2014	1985 1995 2005 2015	1986 1996 2006 2016	yes [1] no [2] 1987 1997 2007 2017  Survey perior East and Wes	1998 2008 2018	1999	Survey frequency once



Wording of	1									
05/2011										Further information
		ndirectly affected luring the next 3 r		ppliers by suppl	y shortage resul	ting from the Ja	pan crisis			Japan crisis question 6
During the ne	ext 3 months:		ce to question J reduction of pro				yes [1]			
							no [2]			
Time span o	of variable		ı							
1980	1981	1982	1983	1984	1985	1986	1987	1988	1989	
1990	1991	1992	1993	1994	1995	1996	1997	1998	1999	
	2001	2002	2003	2004	2005	2006	2007	2008	2009	
2000										
2000	2011	2012	2013	2014	2015	2016	2017	2018	2019	

3.55)	vg_fairxh		exhibitor at an	international s	pecialized fair		East and Wes	t since 06/201	2	irregularly
Wording of	question									
06/2012										Further information
	any represented	as an exhibitor a	it an internation	al specialized f	air?					Exhibitor at an international specialized fair
	yes [1]		]	no [2]		]				In June 2014 the question was posed online only and therefor does not appear in the print based questionnaires
Time span o	of variable									
1980	1981	1982	1983	1984	1985	1986	1987	1988	1989	
1990	1991	1992	1993	1994	1995	1996	1997	1998	1999	
2000	2001	2002	2003	2004	2005	2006	2007	2008	2009	
2010	2011	2012	2013	2014	2015	2016	2017	2018	2019	
		WEST								

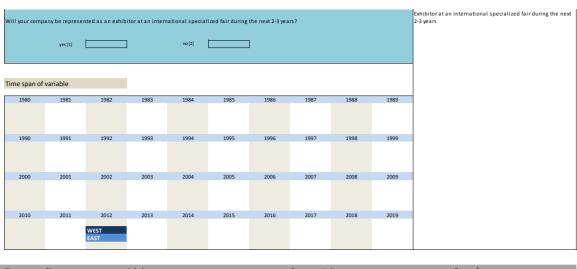
No.	Name	Label	Survey period	Survey frequency
3.56)	vg_fairxh_g	exhibitor at an international specialized fair in Germany	East and West since 06/2012	irregularly
Wording	of question			
				Further information
06/2012				Exhibitor at an international specialized fair in Germany
Is your co	mpany represented as an e	xhibitor at an international specialized fair?		Existing at all international specialized for in definiting
[]				
If yes, into	ernational specialized fairs			In June 2014 the question was posed online only and
	- in Germany [1]			therefor does not appear in the print based questionnaires



No.	Name		Label				Survey perior	d .		Survey frequency
3.57)	vg_fairxh_e		exhibitor at an		pecialized fairi	n a foreign	East and Wes	t since 06/201	2	irregularly
Wording of	question			,						
06/2012										Further information
	any represented a	e an avhibitor	at an internation	al coocialized f	nir?					Exhibitor at an international specialized fair in a foreign European country
[]	iny represented a	is all exilibitor	at an internation	ar specialized i	aii:					Luopean country
		16.								
If yes, interna	ational specialize				,					In June 2014 the question was posed online only and therefor does not appear in the print based
	- in a foreig	n European cou	ntry [1]							questionnaires
Time span o	of variable									
1980	1981	1982	1983	1984	1985	1986	1987	1988	1989	
1990										
	1991	1992	1993	1994	1995	1996	1997	1998	1999	
	1991	1992	1993	1994	1995	1996	1997	1998	1999	
2000	2001	1992	1993	1994	1995	1996	1997	1998	1999	
2000										
2000										
2000										
	2001	2002	2003	2004	2005	2006	2007	2008	2009	

lo.	Name		Label				Survey period			Survey frequency		
	6		auhihitar at am	international	pecialized fair in	a country	F . 1997					
.58)	vg_fairxh_ne		outside Europe		pecializeu iaii ii	i a country	East and Wes	t since 06/2012		irregularly		
Vording of	question											
6/2012										Further information		
			Exhibitor at an international specialized fair in a countr									
s your compa	iny represented a	is an exhibitor a	it an internation	ial specialized t	fair?					outside of Europe		
-1												
f yes, interna	tional specialize	ed fairs								In June 2014 the question was posed online only and		
	- in a count	y outside of Eur	one [1]		1					therefor does not appear in the print based questionnaires		
	iii u couiiti	y outside of Eur	ope [1]		4					questioniumes		
ime span o	f variable											
1980	1981	1982	1983	1984	1985	1986	1987	1988	1989			
1990	1991	1992	1993	1994	1995	1996	1997	1998	1999			
2000	2001	2002	2003	2004	2005	2006	2007	2008	2009			
2000	2001	2002	2003	2004	2003	2000	2007	2000	2003			
2010	2011	2012	2013	2014	2015	2016	2017	2018	2019			
2010	2011	2012 WEST EAST	2013	2014	2015	2016	2017	2018	2019			

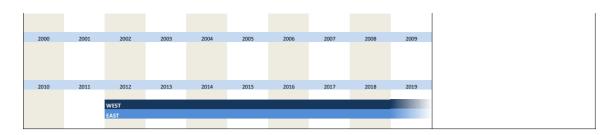
3.59)	vg_fairxhexp	exhibitor at an international specialized fair during next 2-3	East and West 06/2012	once
Wording of q	uestion	years		
06/2012				Further information
				· ·



N	lo.	Name		Label				Survey perio	d		Survey frequency
3.	.60)	vg_fairxhex	p_g	exhibitor at an during next 2-3		pecialized fair i	n Germany	East and Wes	t 06/2012		once
V	Vording of q	uestion		during next 2-3	years						
0	6/2012			Further information							
١٨	/ill your comn	any he renrese	ented as an exhi	Exhibitor at an international specialized fair in Germany during the next 2-3 years							
		any be represe	inted as an exin	during the flext 2-5 years							
[	.]										
If	yes, internat	ional specializ	ed fairs								
		- in German	ny [1]			]					
Т	ime span of	variable									
	1980	1981	1982	1983	1984	1985	1986	1987	1988	1989	
	1990	1991	1992	1993	1994	1995	1996	1997	1998	1999	
	2000	2001	2002	2003	2004	2005	2006	2007	2008	2009	
	2010	2011	2012	2013	2014	2015	2016	2017	2018	2019	
			WEST								
			EAST								
L											1

3.61)	vg_fairxhex	р_е		international sp try during next 2		n a foreign	East and Wes	t 06/2012		once
Wording o	f question									
			Further information							
06/2012			Exhibitor at an international specialized fair in a foreign							
Will your co	mpany be represe	ented as an exhib	European country during the next 2-3 years							
[]										
If ves, inter	national specializ	ed fairs								
,,					ı					
	- in a foreig	gn European cour	ntry [1]							
Time span	of variable									
1980	1981	1982	1983	1984	1985	1986	1987	1988	1989	
1990	1991	1992	1993	1994	1995	1996	1997	1998	1999	
1330	1551	1332	1333	1554	1333	1330	1337	1330	1333	
2000	2001	2002	2003	2004	2005	2006	2007	2008	2009	
2000	2001	2002	2003	2004	2003	2000	2007	2008	2005	
2010	2011	2012	2013	2014	2015	2016	2017	2018	2019	
2010	2011		2013	2014	2015	2016	2017	2018	2019	
		WEST								

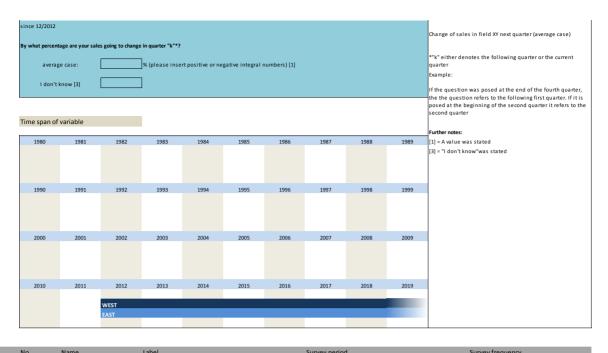
3.62)	vg_fairxhex	p_ne		e during next 2-3	years					
Wording of o										
										Further information
06/2012										Exhibitor at an international specialized fair in a country
Will your comp	oany be represe	ented as an exhib	bitor at an inter	national special	ized fair during	the next 2-3 year	ars?			outside of Europe during the next 23 years
[]										
If yes, internat	tional specializ	ed fairs			_					
	- in a count	try outside of Eur	ope [1]		]					
Time span of										
1980	1981	1982	1983	1984	1985	1986	1987	1988	1989	
1990	1991	1992	1993	1994	1995	1996	1997	1998	1999	
2000	2001	2002	2003	2004	2005	2006	2007	2008	2009	
2000	2001	2002	2003	2004	2005	2006	2007	2008	2009	
2010	2011	2012	2013	2014	2015	2016	2017	2018	2019	
		WEST EAST								
No.	Name		Label				Survey period	d		Survey frequency
2 62)	va ceal la		nercentage ch	ange of sales in	field xv - last ou	ıarter	Fact and Was	t since 12/2012		quarterly curvey
3.63)	vg_csal_lq		percentage cire	ange or sales in	neiu xy - iast qu	ante i	East and wes	t since 12/2012		quarterly survey
Wording of o	question									
										Further information
since 12/2012										Percentage change of sales in field XY - last quarter
	tage did your sal	es change in quart	:al "i"*							Percentage change of sales in field XY - last quarter
By what percen	tage did your sal	es change in quart		ert positive or ne	gative integral (	numbers) [1]				Percentage change of sales in field XY - last quarter  "" either denotes the previous quarter or the current quarter
By what percen	ge by:	es change in quart		ert positive or ne	gative integral :	numbers) [1]				Percentage change of sales in field XY - last quarter  ""," either denotes the previous quarter or the current quarter Example:
By what percen		es change in quart		ert positive or ne	gative integral i	numbers) [1]				Percentage change of sales in field XY - last quarter  """ either denotes the previous quarter or the current quarter Example:  If the question was posed at the beginning of the fourth quarter the the question refers to the previous third qua
By what percen chan	ige by: know [3]	es change in quart		≥rt positive or ne	gative integral i	numbers) [1]				Percentage change of sales in field XY - last quarter  *" " either denotes the previous quarter or the current quarter Example:  If the question was posed at the beginning of the fourth
By what percen chan	ige by: know [3]	es change in quart		ert positive or ne	igative integral i	numbers) [1]				Percentage change of sales in field XY - last quarter  """ either denotes the previous quarter or the current quarter txample:  If the question was posed at the beginning of the fourth quarter the the question refers to the previous third qua lf it is posed at the end of the second quarter, it refers to
By what percen chan I don't	ige by: know [3]	es change in quart		ert positive or ne	gative integral i	numbers) [1]	1987	1988	1989	Percentage change of sales in field XY - last quarter  """ either denotes the previous quarter or the current quarter  Example:  If the question was posed at the beginning of the fourth quarter the the question refers to the previous third qua If it is posed at the end of the second quarter, it refers to second quarter  Further notes:  [1] = A value was stated
By what percen chan I don't Time span of	know [3]		]% (please inse				1987	1988	1989	Percentage change of sales in field XY - last quarter  """ either denotes the previous quarter or the current quarter Example:  If the question was posed at the beginning of the fourth quarter the the question refers to the previous third qua  If it is posed at the end of the second quarter, it refers to second quarter  Further notes:
By what percen chan I don't Time span of	know [3]		]% (please inse				1987	1988	1989	Percentage change of sales in field XY - last quarter  """ either denotes the previous quarter or the current quarter  Example:  If the question was posed at the beginning of the fourth quarter the the question refers to the previous third qua If it is posed at the end of the second quarter, it refers to second quarter  Further notes:  [1] = A value was stated
By what percen chan I don't Time span of	know [3]		]% (please inse				1987	1988	1989	Percentage change of sales in field XY - last quarter  """ either denotes the previous quarter or the current quarter  Example:  If the question was posed at the beginning of the fourth quarter the the question refers to the previous third qua If it is posed at the end of the second quarter, it refers to second quarter  Further notes:  [1] = A value was stated
By what percen chan I don't  Time span of	know [3]  f variable  1981	1982	% (please inse	1984	1985	1986				Percentage change of sales in field XY - last quarter  """ either denotes the previous quarter or the current quarter  Example:  If the question was posed at the beginning of the fourth quarter the the question refers to the previous third qua If it is posed at the end of the second quarter, it refers to second quarter  Further notes:  [1] = A value was stated
By what percen chan I don't  Time span of	know [3]  f variable  1981	1982	% (please inse	1984	1985	1986				Percentage change of sales in field XY - last quarter  """ either denotes the previous quarter or the current quarter  Example:  If the question was posed at the beginning of the fourth quarter the the question refers to the previous third qua If it is posed at the end of the second quarter, it refers to second quarter  Further notes:  [1] = A value was stated
By what percen chan I don't  Time span of	know [3]  f variable  1981	1982	% (please inse	1984	1985	1986				Percentage change of sales in field XY - last quarter  """ either denotes the previous quarter or the current quarter  Example:  If the question was posed at the beginning of the fourth quarter the the question refers to the previous third qua If it is posed at the end of the second quarter, it refers to second quarter  Further notes:  [1] = A value was stated
By what percenchanged in the control of the control	ge by: know [3] f variable 1981	1982	% (please inse	1984	1985 1995	1986	1997	1998	1999	Percentage change of sales in field XY - last quarter  """ either denotes the previous quarter or the current quarter  Example:  If the question was posed at the beginning of the fourth quarter the the question refers to the previous third qua If it is posed at the end of the second quarter, it refers to second quarter  Further notes:  [1] = A value was stated
chan I don't  Time span of	ge by: know [3] f variable 1981	1982	% (please inse	1984	1985 1995	1986	1997	1998	1999	Percentage change of sales in field XY - last quarter  """ either denotes the previous quarter or the current quarter  Example:  If the question was posed at the beginning of the fourth quarter the the question refers to the previous third qua If it is posed at the end of the second quarter, it refers to second quarter  Further notes:  [1] = A value was stated
chan I don't  Time span of	ge by: know [3] f variable 1981	1982	% (please inse	1984	1985 1995	1986	1997	1998	1999	Percentage change of sales in field XY - last quarter  """ either denotes the previous quarter or the current quarter  Example:  If the question was posed at the beginning of the fourth quarter the the question refers to the previous third qua If it is posed at the end of the second quarter, it refers to second quarter  Further notes:  [1] = A value was stated
By what percenchange in don't  Time span of  1980  1990	1981 1991 2001	1982	% (please inse	1984 1994 2004	1985 1995 2005	1986 1996 2006	1997 2007	1998	1999	Percentage change of sales in field XY - last quarter  """ either denotes the previous quarter or the current quarter  Example:  If the question was posed at the beginning of the fourth quarter the the question refers to the previous third qua If it is posed at the end of the second quarter, it refers to second quarter  Further notes:  [1] = A value was stated
By what percenchange in don't  Time span of  1980  1990	1981 1991 2001	1982	% (please inse	1984 1994 2004	1985 1995 2005	1986 1996 2006	1997 2007	1998	1999	Percentage change of sales in field XY - last quarter  """ either denotes the previous quarter or the current quarter  Example:  If the question was posed at the beginning of the fourth quarter the the question refers to the previous third qua If it is posed at the end of the second quarter, it refers to second quarter  Further notes:  [1] = A value was stated
By what percen chan i don't  Time span of  1980  1990	1981 1991 2001	1982 1992 2002 2012 WEST	% (please inse	1984 1994 2004	1985 1995 2005	1986 1996 2006	1997 2007	1998	1999	Percentage change of sales in field XY - last quarter  """ either denotes the previous quarter or the current quarter  Example:  If the question was posed at the beginning of the fourth quarter the the question refers to the previous third qua If it is posed at the end of the second quarter, it refers to second quarter  Further notes:  [1] = A value was stated
By what percen chan i don't  Time span of  1980  1990	1981 1991 2001	1982 1992 2002 2012 WEST	% (please inse	1984 1994 2004	1985 1995 2005	1986 1996 2006	1997 2007	2008	1999	Percentage change of sales in field XY - last quarter  """ either denotes the previous quarter or the current quarter  Example:  If the question was posed at the beginning of the fourth quarter the the question refers to the previous third qua If it is posed at the end of the second quarter, it refers to second quarter  Further notes:  [1] = A value was stated
By what percen chan I don't  Time span of 1980 1990 2000	1981 1991 2001 Name	1982 1992 2002 2012 WEST EAST	% (please inse	1984 1994 2004	1985 1995 2005	1986 1996 2006	2007 2017 Survey period	1998 2008 2018	1999	Percentage change of sales in field XY - last quarter  """ either denotes the previous quarter or the current quarter Example: If the question was posed at the beginning of the fourt quarter the the question refers to the previous third qua If it is posed at the end of the second quarter, it refers t second quarter  Futher notes:  [1] = A value was stated [3] = "I don't know"was stated
By what percen chan I don't  Time span of  1980  2000  2010  No.  3.64)	sge by: know [3]  f variable  1981  1991  2001  Name  vg_csal_lq_v	1982 1992 2002 2012 WEST EAST	% (please inse	1984 1994 2004	1985 1995 2005	1986 1996 2006	2007 2017 Survey period	2008	1999	Percentage change of sales in field XY - last quarter  "" " either denotes the previous quarter or the current quarter  Example:  If the question was posed at the beginning of the fourt quarter the the question refers to the previous third que  If it is posed at the end of the second quarter, it refers t second quarter  Further notes:  [1] = A value was stated  [3] = "I don't know"was stated
By what percen chan I don't  Time span of  1980  2000  2010  No.  3.64)	sge by: know [3]  f variable  1981  1991  2001  Name  vg_csal_lq_v	1982 1992 2002 2012 WEST EAST	% (please inse	1984 1994 2004	1985 1995 2005	1986 1996 2006	2007 2017 Survey period	1998 2008 2018	1999	Percentage change of sales in field XY - last quarter  """ either denotes the previous quarter or the current quarter Example: If the question was posed at the beginning of the fourt quarter the the question refers to the previous third qua If it is posed at the end of the second quarter, it refers t second quarter  Futher notes:  [1] = A value was stated [3] = "I don't know"was stated
By what percenchange is a change of the chan	sge by: know [3]  f variable  1981  1991  2001  Name  vg_csal_lq_v	1982 1992 2002 2012 WEST EAST	% (please inse	1984 1994 2004	1985 1995 2005	1986 1996 2006	2007 2017 Survey period	1998 2008 2018	1999	Percentage change of sales in field XY - last quarter  """ either denotes the previous quarter or the current quarter Example: If the question was posed at the beginning of the fourt quarter the the question refers to the previous third que If it is posed at the end of the second quarter, it refers t second quarter  Futher notes:  [1] = A value was stated [3] = "I don't know"was stated
By what percen chan I don't  Time span of 1980 1990 2000	sge by: know [3]  f variable  1981  1991  2001  Name  vg_csal_lq_v	1982 1992 2002 2012 WEST EAST	% (please inse	1984 1994 2004	1985 1995 2005	1986 1996 2006	2007 2017 Survey period	1998 2008 2018	1999	Percentage change of sales in field XY - last quarter  """ either denotes the previous quarter or the current quarter Example: if the question was posed at the beginning of the fourt quarter the the question refers to the previous third que if it is posed at the end of the second quarter, it refers t second quarter  Further notes:  [1] = A value was stated [3] = "I don't know"was stated  Survey frequency quarterly survey
Ey what percent chan I don't to the chan I don	yg_csal_lq_vuestion	1982 1992 2002 2012 WEST EAST	% (please inse	1984 1994 2004	1985 1995 2005	1986 1996 2006	2007 2017 Survey period	1998 2008 2018	1999	Percentage change of sales in field XY - last quarter  """ either denotes the previous quarter or the current quarter Example: if the question was posed at the beginning of the fourt quarter the the question refers to the previous third que if it is posed at the end of the second quarter, it refers t second quarter  Further notes:  [1] = A value was stated [3] = "I don't know"was stated  Survey frequency quarterly survey
chan I don't Time span of 1980 1990 2000 2010 No. 3.64) Wording of o	variable  1981  1991  2001  Name  vg_csal_lq_vuestion	1982 1992 2002 2012 WEST EAST	% (please inse	1984 1994 2004 2014	1985 1995 2005 2015	1986 1996 2006 2016	2007 2017 Survey period	1998 2008 2018	1999	Percentage change of sales in field XY - last quarter  ""I" either denotes the previous quarter or the current quarter Example:  If the question was posed at the beginning of the fourt quarter the the question refers to the previous third qua  If it is posed at the end of the second quarter, it refers t second quarter  Further notes:  [1] = A value was stated  [3] = "I don't know"was stated  Survey frequency  quarterly survey  Further information  Values: percentage change of sales in field XY - last qua  ""I" either denotes the previous quarter or the current
chan I don't Time span of 1980 1990 2000 2010 No. 3.64) Wording of o	yg_csal_lq_vuestion	1982 1992 2002 2012 WEST EAST	% (please inse	1984 1994 2004	1985 1995 2005 2015	1986 1996 2006 2016	2007 2017 Survey period	1998 2008 2018	1999	Percentage change of sales in field XY - last quarter  "" " either denotes the previous quarter or the current quarter Example:  If the question was posed at the beginning of the fourth quarter the the question refers to the previous third qua  If it is posed at the end of the second quarter, it refers to second quarter  Further notes:  [3] = "I don't know"was stated  [3] = "I don't know"was stated  Survey frequency quarterly survey  Further information  Values: percentage change of sales in field XY - last qua
By what percenchange is a change of the chan	ry variable  1981  1991  2001  2011  Name  vg_csal_lq_v question  tage did your sal	1982 1992 2002 2012 WEST EAST	% (please inse	1984 1994 2004 2014	1985 1995 2005 2015	1986 1996 2006 2016	2007 2017 Survey period	1998 2008 2018	1999	Percentage change of sales in field XY - last quarter  """ either denotes the previous quarter or the current quarter Example:  If the question was posed at the beginning of the fourth quarter the the question refers to the previous third qua  If it is posed at the end of the second quarter, it refers to second quarter  Further notes:  [1] = A value was stated  [3] = "I don"t know"was stated   Survey frequency  quarterly survey  Further information  Values: percentage change of sales in field XY - last qua  """ either denotes the previous quarter or the current quarter Example:  If the question was posed at the beginning of the fourth
chan I don't Time span of 1980 1990 2000 2010 No. 3.64) Wording of o	ry variable  1981  1991  2001  2011  Name  vg_csal_lq_v question  tage did your sal	1982 1992 2002 2012 WEST EAST	% (please inse	1984 1994 2004 2014	1985 1995 2005 2015	1986 1996 2006 2016	2007 2017 Survey period	1998 2008 2018	1999	Percentage change of sales in field XY - last quarter  "" " either denotes the previous quarter or the current quarter Example:  If the question was posed at the beginning of the fourth quarter the the question refers to the previous third qua  If it is posed at the end of the second quarter, it refers to second quarter  Further notes:  [1] = A value was stated  [3] = "I don" know" was stated  Survey frequency  quarterly survey  Further information  Values: percentage change of sales in field XY - last qua  "" " either denotes the previous quarter or the current quarter Example:  If the question was posed at the beginning of the fourth quarter the the question refers to the previous third qua  If it is posed at the end of the second quarter, it refers to
chan I don't  Time span of  1980  1990  2000  2010  No.  3.64)  Wording of c since 12/2012  By what percen chan	ry variable  1981  1991  2001  2011  Name  vg_csal_lq_v question  tage did your sal	1982 1992 2002 2012 WEST EAST	% (please inse	1984 1994 2004 2014	1985 1995 2005 2015	1986 1996 2006 2016	2007 2017 Survey period	1998 2008 2018	1999	Percentage change of sales in field XY - last quarter  """ either denotes the previous quarter or the current quarter  Example:  If the question was posed at the beginning of the fourth quarter the the question refers to the previous third qualifit is posed at the end of the second quarter, it refers to second quarter.  Further notes:  [1] = A value was stated  [3] = "I don't know'was stated  Survey frequency  quarterly survey  Further information  Values: percentage change of sales in field XY - last quarter in the current quarter  Example:  If the question was posed at the beginning of the fourth quarter the the question refers to the previous third quarter the the question refers to the previous third quarter the the question refers to the previous third quarter the designing of the fourth quarter.
chan I don't Time span of 1980 2000 2010 No. 3.64) Wording of c since 12/2012 By what percen chan	know [3]  f variable  1981  1991  2001  2011  Name  vg_csal_lq_v question  tage did your sal	1982 1992 2002 2012 WEST EAST	% (please inse	1984 1994 2004 2014 ert positive or ne	1985 1995 2005 2015	1986  1996  2006  2016	2007 2017  Survey period East and Wes	2008 2018 2018 tt since 12/2012	1999 2009 2019	Percentage change of sales in field XY - last quarter  "" " either denotes the previous quarter or the current quarter Example:  If the question was posed at the beginning of the fourth quarter the the question refers to the previous third qua  If it is posed at the end of the second quarter, it refers to second quarter  Further notes:  [1] = A value was stated  [3] = "I don" know" was stated  Survey frequency  quarterly survey  Further information  Values: percentage change of sales in field XY - last qua  "" " either denotes the previous quarter or the current quarter Example:  If the question was posed at the beginning of the fourth quarter the the question refers to the previous third qua  If it is posed at the end of the second quarter, it refers to
chan I don't Time span of 1980 2000 2010 No. 3.64) Wording of c since 12/2012 By what percen chan	know [3]  f variable  1981  1991  2001  2011  Name  vg_csal_lq_v question  tage did your sal	1982 1992 2002 2012 WEST EAST	% (please inse	1984 1994 2004 2014 ert positive or ne	1985 1995 2005 2015	1986  1996  2006  2016	2007 2017  Survey period East and Wes	2008 2018 2018 tt since 12/2012	1999 2009 2019	Percentage change of sales in field XY - last quarter  "" " either denotes the previous quarter or the current quarter Example:  If the question was posed at the beginning of the fourth quarter the the question refers to the previous third qua  If it is posed at the end of the second quarter, it refers to second quarter  Further notes:  [1] = A value was stated  [3] = "I don" know" was stated  Survey frequency  quarterly survey  Further information  Values: percentage change of sales in field XY - last qua  "" " either denotes the previous quarter or the current quarter Example:  If the question was posed at the beginning of the fourth quarter the the question refers to the previous third qua  If it is posed at the end of the second quarter, it refers to



No.	Name		Label				Survey perio	d		Survey frequency	
3.65)	vg_csal_nqbc		best case//per	centage change	of sales in field	d xy - next	East and Wes	st since 12/201	2	quarterly survey	
	0		quarter							· · · ·	
Wording	of question										
										Further information	
since 12/20	12									Change of sales in field XY next quarter (best case)	
By what per	centage are your sale	s going to chang	e in guarter "k"*?							change of safes in field at flex quarter (best case)	
_,		- 666								*"k" either denotes the following quarter or the curre	
b	est case:		% (please inse	rt positive or ne	gative integral	numbers) [1]				quarter	
		<u> </u>	_							Example:	
I do	n't know [3]									If the question was posed at the end of the fourth qu	
										the the question refers to the following first quarter.	
										posed at the beginning of the second quarter it refers second quarter	
Time span	of variable									Second quarter	
										Further notes:	
1980	1981	1982	1983	1984	1985	1986	1987	1988	1989	[1] = A value was stated	
										[3] = "I don't know"was stated	
1990	1991	1992	1993	1994	1995	1996	1997	1998	1999		
2000	2001	2002	2003	2004	2005	2006	2007	2008	2009		
2000	2001	2002	2003	2004	2005	2006	2007	2008	2009		
2010	2011	2012	2013	2014	2015	2016	2017	2018	2019		
2010			2013	2014	2015	2016	2017	2018	2019		
2010		2012 WEST EAST	2013	2014	2015	2016	2017	2018	2019		

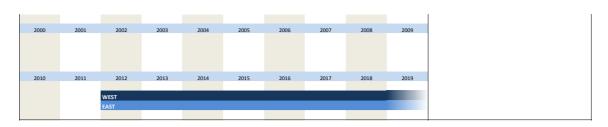
No.	Name		Label				Survey perio	t		Survey frequency			
3.66)	vg_csal_nqbc_v values: best case//percentage change of sales in field xy- next quarter  Rest and West since 12/2012									quarterly survey			
Wording of q	uestion												
since 12/2012										Further information			
By what percen	tage are your sal	es going to change	in quarter "k"*?							Denotion of values: Change of sales in field XY next quarter (best case)			
best	case:		% (please inse	rt positive or ne	gative integral r	numbers)				*"k" either denotes the following quarter or the current quarter Example:			
Time span of	variable		l							If the question was posed at the end of the fourth quarter, the the question refers to the following first quarter. If it is posed at the beginning of the second quarter it refers to the second quarter			
1980	1981	1982	1983	1984	1985	1986	1987	1988	1989				
1990	1991	1992	1993	1994	1995	1996	1997	1998	1999				
2000	2001	2002	2003	2004	2005	2006	2007	2008	2009				
2010	2011	2012	2013	2014	2015	2016	2017	2018	2019				
		WEST EAST					_						
										1			

No.	Name	Label	Survey period	Survey frequency
3.67)	vg_csal_nqac		East and West since 12/2012	quarterly survey
		quarter		
Wording of	question			
				Further information



No.	Name		Label	Survey period						Survey frequency
3.68)	vg_csal_nqa	c_v		case//percenta	age change of sa	ales in field xy	East and Wes	t since 12/201	2	quarterly survey
			next quarter							
Wording	of question									
										Further information
since 12/20	012									
										Denotion of values: Change of sales in field XY next quarter (average case)
By what per	rcentage are your sal	es going to change	e in quarter "k"*?							
av	erage case:		% (please inse	rt positive or ne	gative integral r	numbers)				*"k" either denotes the following quarter or the current quarter
										Example:
										If the question was posed at the end of the fourth quarter,
Time spar	n of variable									the the question refers to the following first quarter. If it is posed at the beginning of the second quarter it refers to the
										second quarter
1980	1981	1982	1983	1984	1985	1986	1987	1988	1989	
1990	1991	1992	1993	1994	1995	1996	1997	1998	1999	
2000	2001	2002	2003	2004	2005	2006	2007	2008	2009	
2010	2011	2012	2013	2014	2015	2016	2017	2018	2019	
2010	2011	2012	2013	2014	2015	2016	2017	2018	2019	
		WEST								
		EAST								

3.69)				rcentage change	e of sales in field	xy - next	East and West since 12/2012			quarterly survey
Wording of	question									
wor	ntage are your sales	s going to change	· -	rt positive or ne	gative integral nu	imbers) [1]				Further information  Change of sales in field XY next quarter (worst case)  *"k" either denotes the following quarter or the current quarter  Example:  If the question was posed at the end of the fourth quarter, the the question refers to the following first quarter. If it is posed at the beginning of the second quarter it refers to the second quarter.
										Further notes:
1980	1981	1982	1983	1984	1985	1986	1987	1988	1989	[1] = A value was stated [3] = "i don't know"was stated
1990	1991	1992	1993	1994	1995	1996	1997	1998	1999	



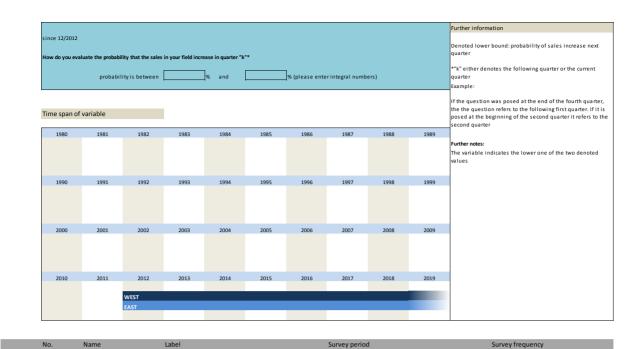
No.	Name		Label				Survey perio	d		Survey frequency
3.70)	vg_csal_nq	wc_v	values: worst o	case//percentag	e change of sal	es in field xy -	East and Wes	st since 12/201	2	quarterly survey
Wording	of question									
										Further information
since 12/2	012									Denotion of values: Change of sales in field XY ne
By what pe	rcentage are your sa	ales going to chang	e in quarter "k"*?							(worst case)
v	vorst case:		% (please inse	ert positive or ne	egative integral	numbers)				*"k" either denotes the following quarter or the or quarter
		•	-							Example:
										If the question was posed at the end of the fourth the the question refers to the following first quar
Time spa	n of variable									posed at the beginning of the second quarter it re second quarter
1980	1981	1982	1983	1984	1985	1986	1987	1988	1989	
1990	1991	1992	1993	1994	1995	1996	1997	1998	1999	
2000	2001	2002	2003	2004	2005	2006	2007	2008	2009	
2000	2001	2002	2003	2004	2003	2006	2007	2008	2009	
2010	2011	2012	2013	2014	2015	2016	2017	2018	2019	
		WEST								

3.71)	vg_psalinc		probability of s	ales increase - n	ext quarter		East and Wes	t since 12/2012	2	quarterly survey
,	-0_p							, , , , , , , , , , , , , , , , , , , ,		quarterly contay
Wording of qu	uestion									
										Further information
since 12/2012										Tarder mornadon
										Probability of sales increase next quarter
How do you eval	uate the probabi	lity that the sales	in your field incre	ase in quarter "k"						
		probability is		% (please enter	integral numb	orc) [1]				*"k" either denotes the following quarter or the current quarter
		probability is		// (prease enter	integral numb	c13) [1]				Example:
	probabil	ity is between		% and		% (please ente	r integral numb	ers) [2]		If the question was posed at the end of the fourth quarter,
				1						the the question was posed at the end of the fourth quarter, the the question refers to the following first quarter. If it is
	I d	on't know [3]								posed at the beginning of the second quarter it refers to the second quarter
										second quarter
										Further notes:
Time span of v	variable									[1] = A single value was stated
1980	1981	1982	1983	1984	1985	1986	1987	1988	1989	[2] = range of values was stated [3] = "I don't know"was stated
1900	1901	1902	1905	1904	1905	1900	1907	1900	1909	[5] - 1 doil t know was stated
1990	1991	1992	1993	1994	1995	1996	1997	1998	1999	
1330	1931	1332	1993	1554	1993	1990	1337	1996	1333	
2000	2001	2002	2003	2004	2005	2006	2007	2008	2009	
2000	2001	2002	2003	2004	2003	2000	2007	2000	2003	
2010	2011	2012	2013	2014	2015	2016	2017	2018	2019	
2010	2011	2012	2013	2014	2013	2010	2017	2010	2019	
		WEST								
		EAST								

No. Name Label Survey period Survey frequency

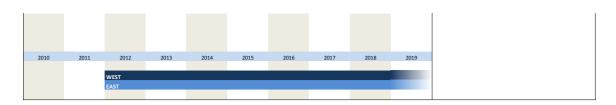
3.72) vg\_psalinc\_min lower bound: probability of sales increase - next quarter East and West since 12/2012 quarterly survey

Wording of question



							Julyey perio			Survey frequency
73)	vg_psalinc_m	nax	upper bound: p	robability of sa	les increase - n	ext quarter	East and Wes	t since 12/2012		quarterly survey
/I:										
ording of q	uestion									
										Further information
nce 12/2012										Denoted upper bound: probability of sales increase next
ow do you eva	luate the probabi	lity that the sales	in your field incre	ase in quarter "k	•					quarter
				1		ı				*"k" either denotes the following quarter or the current
	probabil	lity is between		% and		% (please ente	er integral numb	ers)		quarter Example:
										If the question was posed at the end of the fourth quart the the question refers to the following first quarter. If i
me span of	variable									posed at the beginning of the second quarter it refers to
1980	1981	1982	1983	1984	1985	1986	1987	1988	1989	second quarter
										Further notes:
										The variable indicates the higher one of the two denotes values
										values
1990	1991	1992	1993	1994	1995	1996	1997	1998	1999	values
1990	1991	1992	1993	1994	1995	1996	1997	1998	1999	values
1990	1991	1992	1993	1994	1995	1996	1997	1998	1999	values
										values
1990	1991	1992	1993	1994	1995	1996	1997	1998	1999	values
										values
										values
2000	2001	2002	2003	2004	2005	2006	2007	2008	2009	values
										values
2000	2001	2002	2003	2004	2005	2006	2007	2008	2009	values

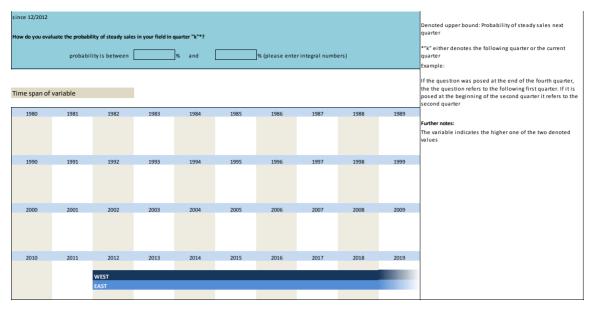
No.	Name		Label				Survey perior	d		Survey frequency
3.74)	vg_psalinc_sv		single value: pr	robability of sa	les increase - ne	ext quarter	East and Wes	t since 12/201	2	quarterly survey
Wording of	question									
since 12/2012	2									Further information
How do you e	valuate the probabilit	ty that the sales	in your field incre	ease in quarter "k	("*					Single value: probability of sales increase next quarter
		probability is		% (please ente	er integral numb	ers)				*"k" either denotes the following quarter or the current quarter Example:
Time span o	of variable									the the question refers to the following first quarter. If i
Time span o	of variable	1982	1983	1984	1985	1986	1987	1988	1989	·
		1982	1983	1984	1985	1986	1987	1988	1989	the the question refers to the following first quarter. If i posed at the beginning of the second quarter it refers to
		1982	1983 1993	1984 1994	1985	1986 1996	1987 1997	1988	1989	the the question refers to the following first quarter. If posed at the beginning of the second quarter it refers to second quarter  Further notes: If only one value is inserted it is contained within this
1980	1981									the the question refers to the following first quarter. If posed at the beginning of the second quarter it refers to second quarter.  Further notes: If only one value is inserted it is contained within this.



	Name		Label				Survey period	1		Survey frequency
3.75)	vg_psalstead		probability of s	steady sales - ne	xt quarter		East and Wes	t since 12/2012	2	quarterly survey
Wording of q	uestion									
										Further information
since 12/2012										Probability of steady sales next quarter
How do you eva	luate the probabil	ty of steady sales	s in your field in	quarter "k"*?						
		probability is		% (please enter	r integral numb	ers) [1]				*"k" either denotes the following quarter or the quarter
	probabili	ty is between		% and		% (please ente	r integral numb	ors) [2]		Example:
		n't know [3]		]		w (prease ente	i integral numb	e13) [2]		If the question was posed at the end of the four the the question refers to the following first qua posed at the beginning of the second quarter it r second quarter
Time span of	variable									Further notes: [1] = A value was stated
		1002	1093	1094	1095	1096	1007	1000	1090	[1] = A value was stated [2] = range of values was stated
Time span of	variable	1982	1983	1984	1985	1986	1987	1988	1989	[1] = A value was stated
		1982	1983	1984	1985	1986	1987	1988	1989	[1] = A value was stated [2] = range of values was stated
		1982	1983	1984	1985	1986	1987	1988	1989	[1] = A value was stated [2] = range of values was stated
		1982	1983	1984	1985 1995	1986	1987 1997	1988 1998	1989	[1] = A value was stated [2] = range of values was stated
1980	1981									[1] = A value was stated [2] = range of values was stated
1980	1981									[1] = A value was stated [2] = range of values was stated
1980	1981									[1] = A value was stated [2] = range of values was stated
1980	1981 1991	1992	1993	1994	1995	1996	1997	1998	1999	[1] = A value was stated [2] = range of values was stated
1980	1981 1991	1992	1993	1994	1995	1996	1997	1998	1999	[1] = A value was stated [2] = range of values was stated
1980	1981 1991	1992	1993	1994	1995	1996	1997	1998	1999	[1] = A value was stated [2] = range of values was stated
1980	1981 1991 2001	1992	1993 2003	1994 2004	1995 2005	1996 2006	1997 2007	1998 2008	1999 2009	[1] = A value was stated [2] = range of values was stated

3.76)	vg_psalstead	l_min	lower bound: p	robability of ste	eady sales - nex	t quarter	East and Wes	t since 12/2012		quarterly survey
Wording of q	uestion									
since 12/2012										Further information
	luata tha mahahi	lity of steady sale	in vous field in							Denoted lower bound: Probability of steady sales next quarter
now do you eva		lity of steady sale		warter k *?		To, /-1	er integral numb			*"k" either denotes the following quarter or the current
	рговаві	iity is between		ps and	<u> </u>	% (prease ent	er integral numb	ers)		quarter Example:
										If the question was posed at the end of the fourth quarter, the the question refers to the following first quarter. If it is
Time span of	variable									posed at the beginning of the second quarter it refers to the second quarter
1980	1981	1982	1983	1984	1985	1986	1987	1988	1989	Further notes:
										The variable indicates the lower one of the two denoted values
1990	1991	1992	1993	1994	1995	1996	1997	1998	1999	
1330	1991	1332	1993	1354	1393	1930	1337	1336	1999	
2000	2001	2002	2003	2004	2005	2006	2007	2008	2009	
2010	2011	2012	2013	2014	2015	2016	2017	2018	2019	
		WEST EAST								

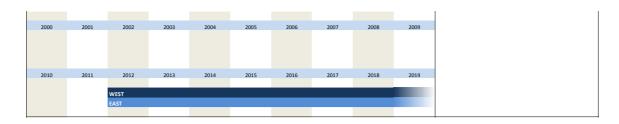
No. Name Label Survey period Survey frequency



No.	Name		Label				Survey perior	t		Survey frequency
3.78)	vg_psalstead	_sv	single value: p	robability of ste	ady sales - next	quarter	East and Wes	t since 12/2012		quarterly survey
Wording of	fquestion									
										Further information
since 12/201	2									
How do you s	evaluate the probabil	ity of steady sale	es in your field in	nuarter "k"*?						Single value: Probability of steady sales next quarter
	. raidate the probabil			1						*"k" either denotes the following quarter or the current
		probability is		% (please ente	r integral numb	ers)				quarter Example:
										If the question was posed at the end of the fourth quarter
Time span	of variable									the the question refers to the following first quarter. If it i posed at the beginning of the second quarter it refers to t
1980	1981	1982	1983		1985		1987	1988		second quarter
1980	1981	1982	1983	1984	1985	1986	1987	1988	1989	Further notes:
										If only one value is inserted it is contained within this variable
1990	1991	1992	1993	1994	1995	1996	1997	1998	1999	
2000	2001	2002	2003	2004	2005	2006	2007	2008	2009	
2010	2011	2012	2013	2014	2015	2016	2017	2018	2019	
		WEST							-	
		EAST								

3.79)	vg_psaldec		probability of s	ales decrease -	next quarter		East and Wes	since 12/201	2	quarterly survey
Wording of	question									
										Further information
since 12/2012										Probability of sales decrease next quarter
How do you ov	aluate the probabil	ity that your cale	e docroseo in qua	rtor "b"*						Probability of sales decrease next quarter
now do you ev	ardate the probabil	ity that your sale	s uecrease iii qua	itei K						
		probability is		% (please ente	r integral numb	ers) [1]				*"k" either denotes the following quarter or the current quarter
						,				Example:
	probabil	ity is between		% and		% (please ente	er integral numb	ers) [2]		If the question was posed at the end of the fourth quarter,
		1.1 703		1						the the question refers to the following first quarter. If it is
	1 00	on't know [3]		J						posed at the beginning of the second quarter it refers to the second quarter
										second quarter
										Further notes:
Time span o	f variable									[1] = A value was stated
										[2] = range of values was stated
1980	1981	1982	1983	1984	1985	1986	1987	1988	1989	[3] = "I don't know"was stated
1990	1991	1992	1993	1994	1995	1996	1997	1998	1999	
										l

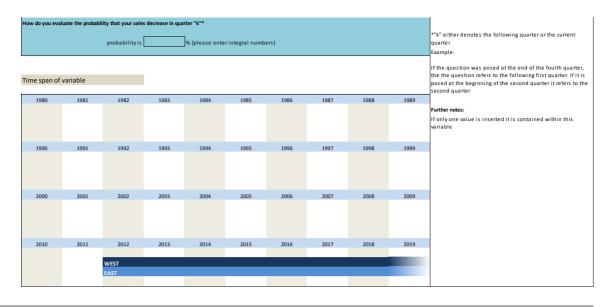
No. Name Label Survey period Survey frequency



No.	Name		Label				Survey perio	d		Survey frequency
3.80)	vg_psaldec_i	min	lower bound: p	robability of sal	es decrease - n	ext quarter	East and Wes	t since 12/2012		quarterly survey
Wording of o	question									
since 12/2012										Further information
	aluate the probabi	lity that your sale	s decrease in qua	rter "k"*						Denoted lower bound: Probability of sales decrease next quarter
,		ity is between		% and		% (please ente	er integral numb	ers)		*"k" either denotes the following quarter or the current quarter Example:
Time span of	f variable									If the question was posed at the end of the fourth quarter the the question refers to the following first quarter. If it is posed at the beginning of the second quarter it refers to t second quarter
1980	1981	1982	1983	1984	1985	1986	1987	1988	1989	Further notes:
										The variable indicates the lower one of the two denoted values
1990	1991	1992	1993	1994	1995	1996	1997	1998	1999	
2000	2001	2002	2003	2004	2005	2006	2007	2008	2009	
2010	2011	2012	2013	2014	2015	2016	2017	2018	2019	
		WEST								
		EAST								
		EASI								

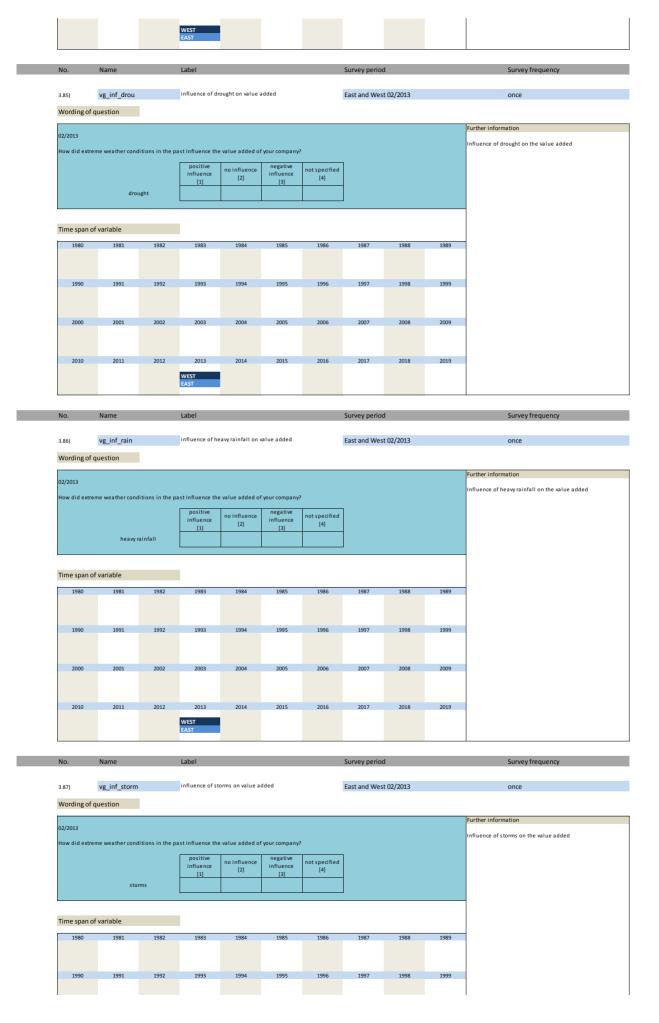
	Name		Label				Survey period	d		Survey frequency
3.81)	vg_psaldec_	_max	upper bound: p	probability of sa	les decrease - r	next quarter	East and Wes	t since 12/201	2	quarterly survey
Wording of	fauestion									
wording of	question									
										Further information
since 12/201	2									Denoted upper bound: Probability of sales decrease no
How do you e	valuate the probab	bility that your sale	s decrease in qua	rter "k"*						quarter
	nzahah	ility is between		% and		] <sub>0/ (nlones ontes</sub>	er integral numb	arc)		*"k" either denotes the following quarter or the curren quarter
	probab	inty is between		J™ allu		% (prease ente	ri integrar numb	eisj		Example:
										If the question was posed at the end of the fourth qua
Time span	of variable									the the question refers to the following first quarter. I
										second quarter
1980	1981	1982	1983	1984	1985	1986	1987	1988	1989	
										Further notes:
										The variable indicates the higher one of the two deno
										values
1990	1991	1992	1993	1994	1995	1996	1997	1998	1999	
1990	1991	1992	1993	1994	1995	1996	1997	1998	1999	
1990	1991	1992	1993	1994	1995	1996	1997	1998	1999	
1990	1991	1992	1993	1994	1995	1996	1997	1998	1999	
1990	1991	1992	1993	1994	1995	1996	1997	1998	1999	
2000	2001	2002	2003	2004	2005	2006	2007	2008	2009	
2000	2001	2002	2003	2004	2005	2006	2007	2008	2009	The variable indicates the higher one of the two denot values

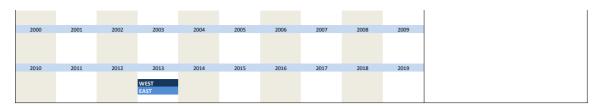
No.	Name	Label	Survey period	Survey frequency
3.82)	vg_psaldec_sv	single value: probability of sales decrease - next quarter	East and West since 12/2012	quarterly survey
Wording of	question			
				Further information
since 12/2012	_			



	Name		Label				Survey period	d		Survey frequency
3.83)	vg_inf_heat		influence of he	atwaves on val	ue added		East and Wes	t 02/2013		once
Wording of	question									
02/2013										Further information
02/2013										Influence of heatwaves on the value added
How did extre	eme weather cond	ditions in the p	ast influence the	value added of	f your company?					
			positive		negative					
			influence	no influence [2]	influence	not specified [4]				
			[1]		[3]					
	heatv	waves								
			<u> </u>				,			
Time span o	of variable									
		1097	1092	1994	1005	1096	1097	1000	1090	
Time span o	of variable	1982	1983	1984	1985	1986	1987	1988	1989	
		1982	1983	1984	1985	1986	1987	1988	1989	
1980	1981									
		1982 1992	1983	1984	1985 1995	1986 1996	1987 1997	1988	1989	
1980	1981									
1980	1981 1991	1992	1993	1994	1995	1996	1997	1998	1999	
1980	1981									
1980	1981 1991	1992	1993	1994	1995	1996	1997	1998	1999	
1980 1990 2000	1981 1991 2001	1992	1993 2003	1994 2004	1995 2005	1996	1997 2007	1998	1999 2009	
1980	1981 1991	1992	1993	1994	1995	1996	1997	1998	1999	
1980 1990 2000	1981 1991 2001	1992	1993 2003	1994 2004	1995 2005	1996	1997 2007	1998	1999 2009	
1980 1990 2000	1981 1991 2001	1992	1993 2003 2013	1994 2004	1995 2005	1996	1997 2007	1998	1999 2009	

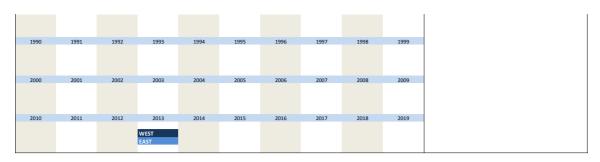
	Name		Label				Survey period	d		Survey frequency
3.84)	vg_inf_cold		influence of co	ld waves on valu	ue added		East and Wes	t 02/2013		once
Wording	of question									
										Further information
02/2013 How did ex	treme weather cond	itions in the pa	st influence the	value added of	your company?					Influence of cold waves (incl. ice and snow) on the added
			positive influence [1]	no influence [2]	negative influence [3]	not specified [4]				
	cold waves (i sno									
	n of variable									
Time spar	n of variable	1982	1983	1984	1985	1986	1987	1988	1989	
		1982	1983	1984	1985	1986	1987	1988	1989	
		1982	1983	1984	1985	1986	1987 1997	1988	1989	
1980	1981									
1980	1981									
1980	1981 1991	1992	1993	1994	1995	1996	1997	1998	1999	





No.	Name		Label				Survey period	t		Survey frequency
3.88)	vg_einf_pur		expected influ	ence of climate o	hange on purc	hases	East and Wes	t 02/2013		once
Wording of	f question									
02/2013										Further information
	evaluate the influ	ence of the for	recasted climate	hange on follow	ing sectors of	vour company?				Expected influence of climate change on purchase
now do you	evaruate die illiid	ence of the for	positive		negative		7			
			influence [1]	no influence [2]	influence [3]	not specified [4]				
	purch	hases	[1]		[5]					
_										
Time span										
1980	1981	1982	1983	1984	1985	1986	1987	1988	1989	
1990	1991	1992	1993	1994	1995	1996	1997	1998	1999	
1990	1991	1992	1993	1994	1995	1996	1997	1998	1999	
1990	1991	1992	1993	1994	1995	1996	1997 2007	1998	1999	
2000	2001	2002	2003	2004	2005	2006	2007	2008	2009	

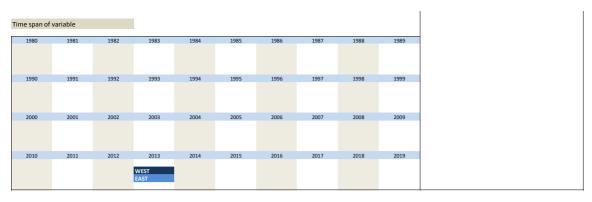
No.	Name		Label				Survey period	d		Survey frequency
3.89)	vg_einf_prod		expected influ	ence of climate	change on prod	uction	East and Wes	t 02/2013		once
Wording of	question									
										Further information
02/2013										Expected influence of climate change on producti
How do you	evaluate the influ	ence of the fore	casted climate	change on follow	ving sectors of	your company?				
			positive	no influence	negative	not specified	1			
			influence [1]	[2]	influence [3]	[4]				
	produ	uction			(-)					
Time span	of variable									
1980	1981	1982	1983	1984	1985	1986	1987	1988	1989	
						1300	1307	1300	1989	
						1500	1367	1300	1989	
						1500	1367	1966	1989	
1990	1991	1992	1993	1994	1995	1996	1997	1998	1989	
1990	1991	1992	1993							
1990	1991	1992	1993							
1990	1991	1992	1993							
				1994	1995	1996	1997	1998	1999	
				1994	1995	1996	1997	1998	1999	
2000	2001	2002	2003	1994 2004	1995	1996	1997 2007	1998	1999	
			2003	1994	1995	1996	1997	1998	1999	
2000	2001	2002	2003	1994 2004	1995	1996	1997 2007	1998	1999	



No.	Name		Label				Survey perior	d		Survey frequency
3.91)	vg_einf_wast		expected influ	ence of climate	change on was	e management	East and Wes	it 02/2013		once
Wording o	f question									
										Further information
02/2013 How do you	evaluate the influe	ence of the fore	casted climate	change on follow	ving sectors of	your company?				Expected influence of climate change on waste mange
			positive influence [1]	no influence [2]	negative influence [3]	not specified [4]				
	waste mar	nagement					]			
1980	of variable	1982	1983	1984	1985	1986	1987	1988	1989	
1990	1991	1992	1993	1994	1995	1996	1997	1998	1999	
2000	2001	2002	2003	2004	2005	2006	2007	2008	2009	
2010	2011	2012	2013 WEST EAST	2014	2015	2016	2017	2018	2019	

NO.	Ivallie		Label				Survey period	4		Survey frequency
.92)	vg_einf_log		expected influ	ence of climate	change on logis	tics	East and Wes	t 02/2013		once
Wording of q	uestion									
wording or q	uestion									
2/2013										Further information
										Expected influence of climate change on logistics
low do you eva	aluate the influe	ence of the fore	casted climate o	hange on follov	ving sectors of	your company?				
			positive	no influence	negative	not specified	]			
			influence [1]	[2]	influence [3]	[4]				
	logis	stics					j			
ime span of	variable									
1980	1981	1982	1983	1984	1985	1986	1987	1988	1989	
1990	1991	1992	1993	1994	1995	1996	1997	1998	1999	
2000	2001	2002	2003	2004	2005	2006	2007	2008	2009	
2000	2001	2002	2003	2004	2003	2000	2007	2000	2003	
2010	2011	2012	2013	2014	2015	2016	2017	2018	2019	
			WEST							
			EAST							
										•

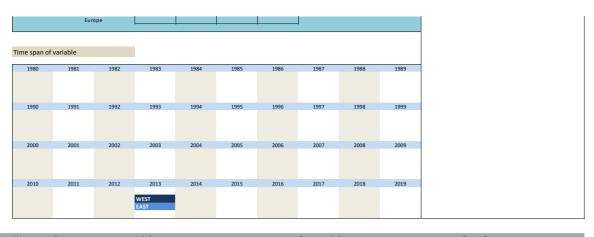
No.	Name	Label				Survey period	Survey frequency
3.93)	vg_einf_inno	expected influ	ence of climate	change on inno	vations	East and West 02/2013	once
Wording of							
wording of	question						
							Further information
02/2013							Expected influence of climate change on innovation
How do you e	evaluate the influence of the fo	recasted climate	change on follow	ving sectors of	your company?		
		positive	no influence	negative	not specified	1	
		influence [1]	[2]	influence [3]	[4]		
		[1]		[5]			
	innovations						



No.	Name		Label				Survey perio	d		Survey frequency
3.94)	vg_einf_pers		expected influe	ence of climate	change on pers	onnel	East and Wes	st 02/2013		once
Wording	f question									
										Further information
02/2013 How do you	evaluate the influe	nce of the fore	ecasted climate o	hange on follov	ving sectors of	your company?				Expected influence of climate change on person
			positive influence [1]	no influence [2]	negative influence [3]	not specified [4]				
	perso	nnel	[+]		[5]		j			
1980	1981	1982	1983	1984	1985	1986	1987	1988	1989	
1990	1991	1992	1993	1994	1995	1996	1997	1998	1999	
2000	2001	2002	2003	2004	2005	2006	2007	2008	2009	

3.95)	vg_flight_ger	r	importance of f	light connection	s in Germany		East and Wes	t 03/2013		once
Wording o	f question									
03/2013										Further information
										Importance of flight connections to destinations in Germany
How imports	ant is a flight conn	ection to destir	nations in [] for	your company?						
			very important [1]	important [2]	less [3]	unimportant [4]				
	Gen	many	[1]	[2]	[5]	[4]				
T:	of variable									
Time span	ot variable									
1980	1981	1982	1983	1984	1985	1986	1987	1988	1989	
1990	1991	1992	1993	1994	1995	1996	1997	1998	1999	
2000	2001	2002	2003	2004	2005	2006	2007	2008	2009	
2010	2011	2012	2013	2014	2015	2016	2017	2018	2019	
			WEST							
			EAST							
										1

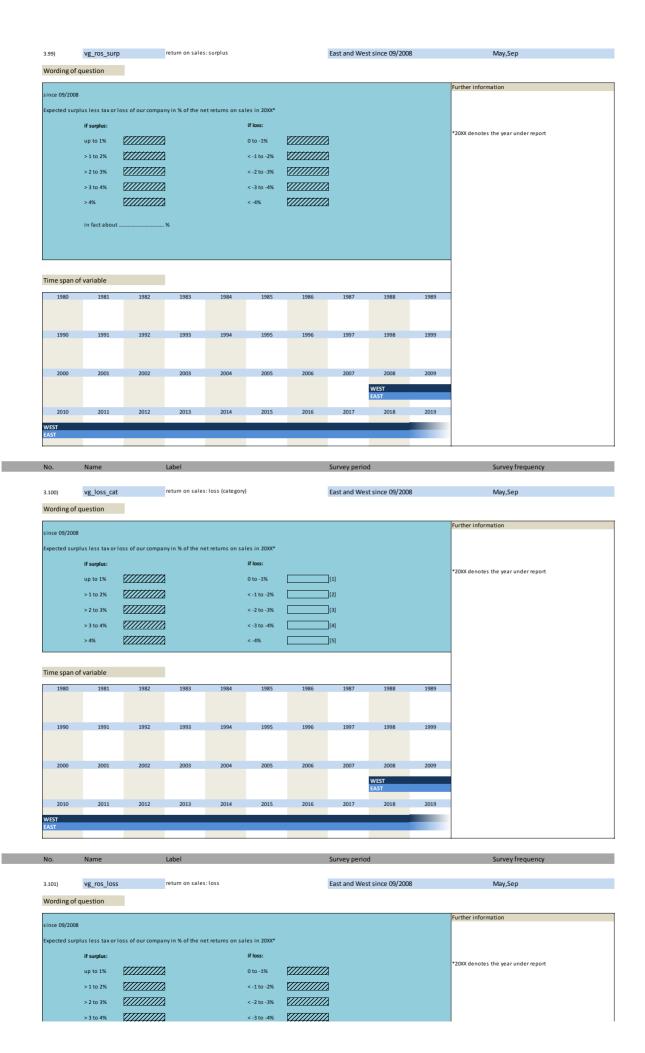
No.	Name	Label	Survey period	Survey frequency
3.96)	vg_flight_eur	importance of flight connections in Europe	East and West 03/2013	once
Wording of o	question			
03/2013				Further information  Importance of flight connections to destinations in Europe
How importan	t is a flight connection to de	stinations in [] for your company?		importance of mgit connections to destinations in Europe
		very important important less unimp		

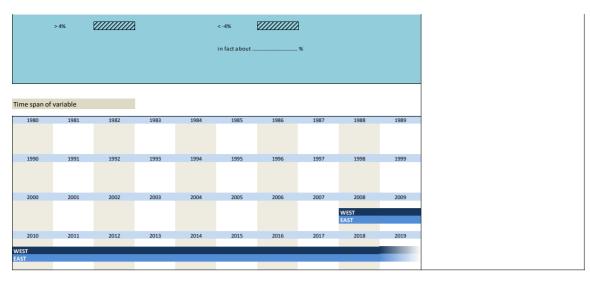


No. Name Label Survey period Survey frequency vg\_flight\_world importance of flight connections worldwide East and West 03/2013 3.97) once Wording of question Further information 03/2013 mportance of flight connections to destinations worldwide How important is a flight connection to destinations [...] for your company? very important important [1] [2] worldwide Time span of variable 1980 1981 WEST

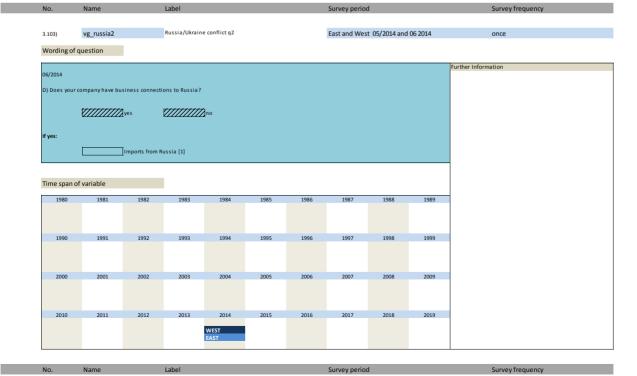
No. Name Label Survey period Survey frequency

8)	vg_surp_cat		return on sales	: surplus (cate	gory)	E	ast and We	st since 09/2008		May,Sep
ordina o	f question									
orunig o	question									
nce 09/200	20									Further information
pected su	rplus less tax or los	s of our compa	ny in % of the ne	et returns on sa	les in 20XX*					
	if surplus:				if loss:					
	up to 1%		[1]		0 to -1%	<i>(///////</i> )				*20XX denotes the year under report
	_					777777777				
	> 1 to 2%		[2]		< -1 to -2%	(////////				
	> 2 to 3%		[3]		< -2 to -3%					
	> 3 to 4%		[4]		< -3 to -4%	7///////				
me span	> 4% [		[5]		< -4%					
	of variable			1094	< -4%		1097	1099	1090	
ime span		1982	1983	1984		1986	1987	1988	1989	
	of variable			1984	< -4%		1987	1988	1989	
1980	of variable	1982	1983		< -4% 1985	1986				
	of variable			1984	< -4%		1987	1988	1989	
1980	of variable	1982	1983		< -4% 1985	1986				
1980	of variable 1981 1991	1982	1983	1994	1985	1986	1997	1998	1999	
1980	of variable	1982	1983		< -4% 1985	1986		1998		
1980	of variable 1981 1991	1982	1983	1994	1985	1986	1997	1998 2008 WEST	1999	
1980	of variable  1981  1991  2001	1982 1992 2002	1983 1993 2003	1994	1985 1995 2005	1986 1996	1997	1998 2008 WEST EAST	1999	
1980	of variable 1981 1991	1982	1983	1994	1985	1986	1997	1998 2008 WEST	1999	
1980	of variable  1981  1991  2001	1982 1992 2002	1983 1993 2003	1994	1985 1995 2005	1986 1996	1997	1998 2008 WEST EAST	1999	

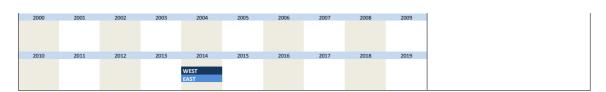


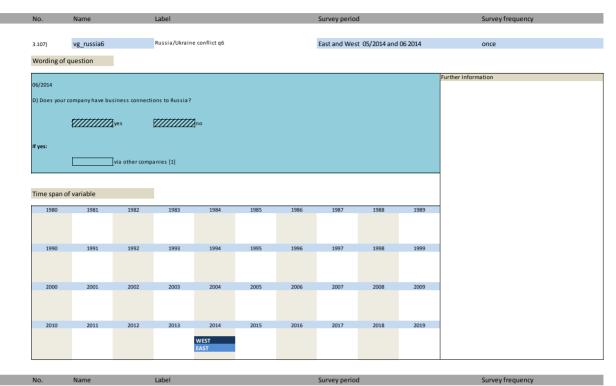


No.	Name		Label				Survey perio	d		Survey frequency
3.102)	vg_russia1		Russia/Ukrain	e conflict q1			East and Wes	t 05/2014 and	06 2014	once
Wording of	question									
										Further Information
06/2014										
D) Does your	r company have bus	siness connecti	ons to Russia?							
		yes[1]		no[2]						
Time span	of variable									
1980	1981	1982	1983	1984	1985	1986	1987	1988	1989	
1990	1991	1992	1993	1994	1995	1996	1997	1998	1999	
1990	1991	1992	1993	1994	1995	1996	1997	1998	1999	
1990	1991	1992	1993	1994	1995	1996	1997 2007	1998	1999	
2000	2001	2002	2003	2004	2005	2006	2007	2008	2009	
				2004						
2000	2001	2002	2003	2004	2005	2006	2007	2008	2009	





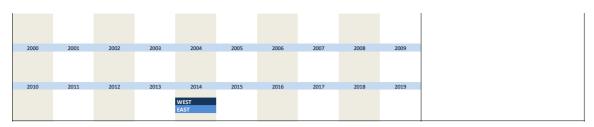




.108)	vg_russia7		Russia/Ukrain	e conflict q7			East and Wes	t 05/2014 and	06 2014	once
Vording of	question									
										Further Information
6/2014										Turdier information
) Did you alr	eady experience	impairments d	ue to the russia	n-ukrainian confl	ict?					
		yes[1]		no[2]						
ime span o	f variable									
1980	1981	1982	1983	1984	1985	1986	1987	1988	1989	
1990	1991	1992	1993	1994	1995	1996	1997	1998	1999	
2000	2001	2002	2003	2004	2005	2006	2007	2008	2009	
	***	****	***	***				****	****	
2010	2011	2012	2013	2014	2015	2016	2017	2018	2019	
2010	2011	2012	2013	2014 WEST EAST	2015	2016	2017	2018	2019	

3.109)	vg_russia8		Russia/Ukraine	conflict q8			East and Wes	t 05/2014 and	06 2014	once	
Wording of o	question										
										Further Information	
06/2014										Further information	
D) Are you exp	ecting future imp	pairments for yo	ur company?								
		yes[1]		no[2]							
Time span of	fvariable										
Time span of	variable										
1980	1981	1982	1983	1984	1985	1986	1987	1988	1989		
1990	1991	1992	1993	1994	1995	1996	1997	1998	1999		

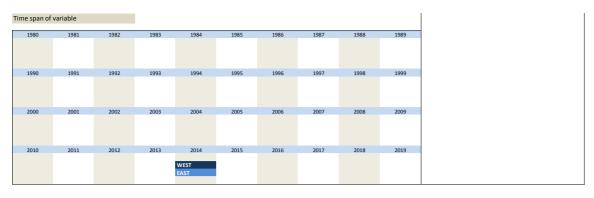
No. Name Label Survey period Survey frequency



No.	Name		Label				Survey perior	d		Survey frequency
3.110)	vg_fambus		family busines	ss			East and Wes	it 02/2014		once
Wording of			-							
02/2014										Further Information
	ch purposes?									
Do you envisi	ion yourself as a fa	amily business	?							
(This means :	a company whose	voting capital i yes[1]		inately by one or no[2]	more families t	hat are connec	ted)			
		yes[1]								
Time span o	of variable									
1980	1981	1982	1983	1984	1985	1986	1987	1988	1989	
1990	1991	1992	1993	1994	1995	1996	1997	1998	1999	
2000	2004	2002	2002	2004	2005	2006	2007	2000	2000	
2000	2001	2002	2003	2004	2005	2006	2007	2008	2009	
2010	2011	2012	2013	2014	2015	2016	2017	2018	2019	
				WEST EAST						
No.	Name		Label				Survey perior	d		Survey frequency
							F4	+ 11/2014		once
3.111)	vg_minim1		minimum wag	e q1			East and Wes	11/2014		
3.111) Wording of			minimum wag	e q1			East and wes	11/2014		Silice
Wording of			minimum wag	e q1			East and Wes	11/2014		Further information
Wording of 11/2014 1. 01/01/2015	question the general minin	num wage polii					east and wes	11/2014		
Wording of 11/2014 1. 01/01/2015		num wage polii nis?					East and Wes	11/2014		
Wording of 11/2014 1. 01/01/2015	question the general minin	num wage poli nis? yes[1]	cy will be imple				East and Wes	11/2014		
Wording of 11/2014 1. 01/01/2015	question the general minin	nis?	cy will be imple	emented.			Edst and Wes	11/2014		
Wording of 11/2014 1. 01/01/2015 Is your com	question the general minin pany affected by the	yes[1]	cy will be imple	mented. _no[2]						
Wording of 11/2014 1. 01/01/2015 Is your com	question the general minimpany affected by th	nis?	cy will be imple	emented.	1985	1986	1987	1988	1989	
Wording of 11/2014 1. 01/01/2015 Is your com	question the general minin pany affected by the	yes[1]	cy will be imple	mented. _no[2]	1985	1986			1989	
Wording of 11/2014 1. 01/01/2015 Is your com	question the general minin pany affected by the	yes[1]	cy will be imple	mented. _no[2]	1985	1986			1989	
Wording of  11/2014  1. 01/01/2015     Is your com  Time span of	question the general mining pany affected by the general mining pa	yes[1] 1982	cy will be imple	nnented. ]no[2] 1984			1987	1988		
Wording of  11/2014  1. 01/01/2015     Is your com  Time span of	question the general mining pany affected by the general mining pa	yes[1] 1982	cy will be imple	nnented. ]no[2] 1984			1987	1988		
Wording of  11/2014  1. 01/01/2015  Is your com.  Time span c  1980	the general minimpany affected by the state of variable 1981	yes[1]  1982  1992	cy will be imple	no[2] 1984	1995	1996	1987 1997	1988	1999	
Wording of  11/2014  1. 01/01/2015  Is your com  Time span c  1980  1990  2000	the general minimpany affected by the of variable 1981 1991 2001	yes[1]  1982  1992	1983 1993 2003	1984 1994 2004	1995 2005	1996 2006	1987 1997 2007	1988	1999 2009	
Wording of  11/2014  1. 01/01/2015  Is your com.  Time span c  1980	the general minimpany affected by the state of variable 1981	yes[1]  1982  1992	cy will be imple	1984 1994 2004 WEST	1995	1996	1987 1997	1988	1999	
Wording of  11/2014  1. 01/01/2015  Is your com  Time span c  1980  1990  2000	the general minimpany affected by the of variable 1981 1991 2001	yes[1]  1982  1992	1983 1993 2003	1984 1994 2004	1995 2005	1996 2006	1987 1997 2007	1988	1999 2009	
Wording of  11/2014  1. 01/01/2015  Is your com  Time span c  1980  2000	the general minimpany affected by the service of variable 1981 1991 2001	yes[1]  1982  1992	1983 1993 2003	1984 1994 2004 WEST	1995 2005	1996 2006	1987 1997 2007	1988 1998 2008	1999 2009	Further information
Wording of  11/2014  1. 01/01/2015  Is your com  Time span c  1980  1990  2000	the general minimpany affected by the of variable 1981 1991 2001	yes[1]  1982  1992	1983 1993 2003	1984 1994 2004 WEST	1995 2005	1996 2006	1987 1997 2007	1988 1998 2008	1999 2009	
Wording of  11/2014  1. 01/01/2015  Is your com  Time span c  1980  2000	the general minimpany affected by the service of variable 1981 1991 2001	yes[1]  1982  1992	1983 1993 2003	1984 1994 2004 WEST EAST	1995 2005	1996 2006	1987 1997 2007	1988 1998 2008 2018	1999 2009	Further information
Wording of  11/2014  1. 01/01/2015  Is your com  1980  1990  2000  No.	the general minimpany affected by the series of variable 1981 2001 2011 Name vg_minim2	yes[1]  1982  1992	1983 1993 2003 2013	1984 1994 2004 WEST EAST	1995 2005	1996 2006	1987 1997 2007 2017	1988 1998 2008 2018	1999 2009	Further information  Survey frequency
Wording of  11/2014  1. 01/01/2015  Is your com  1980  1990  2000  2010  No.	the general minimpany affected by the series of variable 1981 2001 2011 Name vg_minim2	yes[1]  1982  1992	1983 1993 2003 2013	1984 1994 2004 WEST EAST	1995 2005	1996 2006	1987 1997 2007 2017	1988 1998 2008 2018	1999 2009	Further information  Survey frequency
Wording of  11/2014  1. 01/01/2015  1s your com  1980  1990  2000  2010  No.  3.112)  Wording of	question  the general minimpany affected by the property of variable  1981  1991  2001  Name  vg_minim2 question	yes[1]  1982  1992  2002  2012	1983 1993 2003 2013 Label	1984 1994 2004 WEST EAST	1995 2005	1996 2006	1987 1997 2007 2017	1988 1998 2008 2018	1999 2009	Further information  Survey frequency  once
Wording of  11/2014  1. 01/01/2015  1s your com  1980  1990  2000  2010  No.  3.112)  Wording of	the general minimpany affected by the series of variable 1981 2001 2011 Name vg_minim2 question	yes[1]  1982  1992  2002  2012	1983 1993 2003 2013 Label	1984 1994 2004 WEST EAST	1995 2005	1996	1987 1997 2007 2017	1988 1998 2008 2018	1999 2009	Further information  Survey frequency  once

If yes: With which measures will you likely react to the minimum wage?

[1] No measures neccessary or scheduled



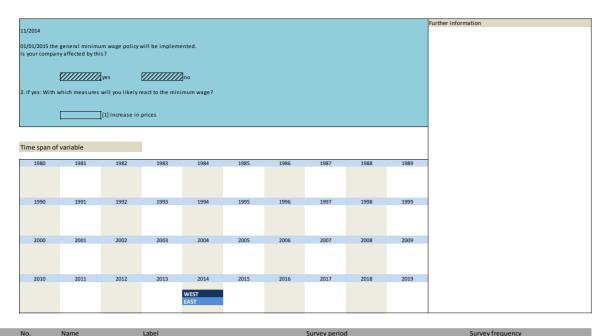
	Name		Label				Survey perior	d		Survey frequency
3.113)	vg_minim3		minimum wag	e q3			East and Wes	it 11/2014		once
Wording of	f question									
										Further information
11/2014										
01/01/2015 t	the general minimu pany affected by thi	im wage policy is?	will be implem	ented.						
	<i>\( \)</i>	yes		no						
2. If yes: Wit	th which measures	will you likely r	eact to the min	imum wage?						
		[1] personnel o	uts							
-										
Time span	of variable									
	of variable									
Time span	of variable	1982	1983	1984	1985	1986	1987	1988	1989	
		1982	1983	1984	1985	1986	1987	1988	1989	
1980	1981									
		1982	1983	1984	1985	1986	1987	1988	1989	
1980	1981									
1980	1981	1992	1993	1994	1995	1996	1997	1998	1999	
1980	1981									
1980	1981	1992	1993	1994	1995	1996	1997	1998	1999	
1980	1981	1992	1993	1994	1995	1996	1997	1998	1999	
1980	1981 1991 2001	1992 2002	1993	1994 2004 2014	1995 2005	1996 2006	1997 2007	1998	1999 2009	
1980	1981 1991 2001	1992 2002	1993	1994 2004	1995 2005	1996 2006	1997 2007	1998	1999 2009	

No.	Name		Label				Survey perior	d		Survey frequency
3.114)	vg_minim4		minimum wag	e q4			East and Wes	it 11/2014		once
Mording of	fquestion									
vorum g or	question								le le	Further information
1/2014									ŗ	rurther information
	he general minimur		will be impleme	ented.						
s your comp	any affected by this	?								
	V///////	ves	<i>(////////////////////////////////////</i>	Ž <sub>no</sub>						
) If we a Will	h which measures v			_						
. ii yes: Wit	ii wiiicii iiieasures v	viii you likely r	eact to the min	illiulli wage?						
		[1] reduction of	f working hours							
		[1] reduction of	f working hours							
		[1] reduction of	f working hours							
	of variable									
Time span		[1] reduction of	f working hours	1984	1985	1986	1987	1988	1989	
	of variable				1985	1986	1987	1988	1989	
1980	of variable	1982	1983	1984						
	of variable				1985	1986	1987	1988	1989	
1980	of variable	1982	1983	1984						
1980	of variable 1981 1991	1982	1983 1993	1984 1994	1995	1996	1997	1998	1999	
1980	of variable	1982	1983	1984						
1980	of variable 1981 1991	1982	1983 1993	1984 1994	1995	1996	1997	1998	1999	
1980	of variable  1981  1991  2001	1982 1992 2002	1983	1984 1994 2004	1995 2005	1996 2006	1997 2007	1998 2008	1999	
1980	of variable 1981 1991	1982	1983 1993	1984 1994	1995	1996	1997	1998	1999	

No. Name Label Survey period Survey frequency

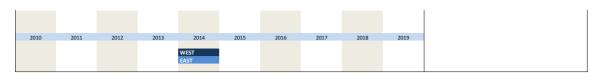
3.115) vg\_minim5 minimum wage q5 East and West 11/2014 once

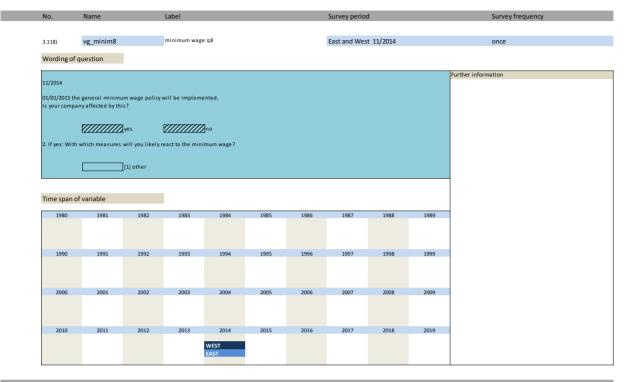
Wording of question



			Label				Survey perior	u .		Survey frequency
3.116)	vg_minim6		minimum wag	e q6			East and Wes	t 11/2014		once
Wording of	question									
										Further information
11/2014										ru dei illoritation
01/01/2015 th Is your comp	ne general minimu any affected by thi	um wage policy is?	will be impleme	ented.						
	<i>\( \tag{111111111</i> }	yes		no						
2. If yes: With	which measures	will you likely	react to the min	imum wage?						
		[1] reduction o	of investment							
										-
Time span	of variable									
Time span o	of variable	1982	1983	1984	1985	1986	1987	1988	1989	
		1982	1983	1984	1985	1986	1987	1988	1989	
		1982	1983	1984	1985	1986	1987	1988	1989	
		1982	1983	1984	1985	1986	1987	1988	1989	
1980	1981									
1980	1981									
1980	1981									
1980	1981 1991	1992	1993	1994	1995	1996	1997	1998	1999	
1980	1981 1991	1992	1993	1994	1995	1996	1997	1998	1999	
1980	1981 1991 2001	1992	1993 2003	1994 2004	1995 2005	1996 2006	1997 2007	1998 2008	1999 2009	
1980	1981	1992	1993	1994 2004 2014	1995	1996	1997	1998	1999	
1980	1981 1991 2001	1992	1993 2003	1994 2004	1995 2005	1996 2006	1997 2007	1998 2008	1999 2009	

	Name		Label				Survey period	d		Survey frequency
			minimum wage	7			F . IW.	/ 204 4		
3.117)	vg_minim7		minimum wage	· q7			East and Wes	t 11/2014		once
Wording o	f question									
										Further information
11/2014										
01/01/2015 t	the general minimu	m wage policy v	vill be impleme	nted.						
	pany affected by this									
	VIIIIIII)	yes		no						
2. If ves: Wit	th which measures y	will you likely re	eact to the mini	mum wage?						
2. If yes: Wit	th which measures v	will you likely re	eact to the mini	mum wage?						
2. If yes: Wit										
2. If yes: Wit			special paymer							
2. If yes: Wit										
Time span	of variable	[1] reduction of	special paymer	nts						
					1985	1986	1987	1988	1989	
Time span	of variable	[1] reduction of	special paymer	nts	1985	1986	1987	1988	1989	
Time span	of variable	[1] reduction of	special paymer	nts	1985	1986	1987	1988	1989	
Time span	of variable	[1] reduction of	special paymer	nts	1985	1986	1987	1988	1989	
Time span	of variable	[1] reduction of	special paymer	1984						
Time span	of variable	[1] reduction of	special paymer	1984						
Time span	of variable	[1] reduction of	special paymer	1984						

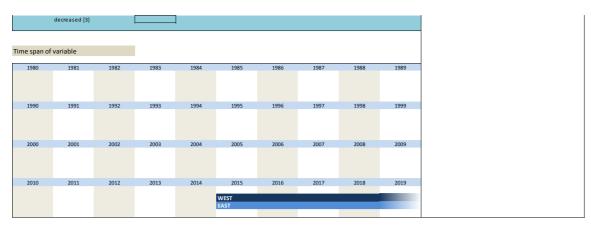




lo.	Name		Label				Survey perio	u		Survey frequency
.119)	vg_invest_lj		total investmen	nt last year			East and Wes	st since 05/201	.5	annual survey
										, , , , , ,
Vording of o	question									
										Further information
5/2015										
rvestments										
) Last year (20	OYY* compared to 2	20WW**) our i	investments were	2						*20YY means last year
			Total investments	;						e.g.: If the question was posed in 2015:
	increased [1]			l						20YY=2014
										*200404
	not changed [2]									*20WW means two years ago e.g.: If the question was posed in 2015:
	decreased [3]									20WW=2013
ime span of										
ime span of										
ime span of		1982	1983	1984	1985	1986	1987	1988	1989	
	f variable	1982	1983	1984	1985	1986	1987	1988	1989	
1980	f variable 1981									
	f variable	1982	1983	1984	1985	1986	1987 1997	1988	1989	
1980	f variable 1981									
1980	i variable 1981 1991	1992	1993	1994	1995	1996	1997	1998	1999	
1980	f variable 1981									
1980	i variable 1981 1991	1992	1993	1994	1995	1996	1997	1998	1999	
1980	i variable 1981 1991	1992	1993	1994	1995	1996	1997	1998	1999	
1980	i variable 1981 1991	1992	1993	1994	1995	1996	1997	1998	1999	
1980	1981 1991 2001	1992	1993 2003	1994 2004 2014	1995 2005	1996 2006	1997 2007	1998	1999	

3.120)	vg_invcon_lj	investment in construction last year	East and West since 05/2015	annual survey
Wordin	ng of question			
05/2015				Further information
Investm	ents			
1) Last y	ear (20YY* compared to 20WW**)	Total investments,		*20YY means last year e.g.: If the question was posed in 2015:
		thereof in: construction		20YY=2014
	increased [1]			*20WW means two years ago
	not changed [2]			e.g.: If the question was posed in 2015: 20WW=2013

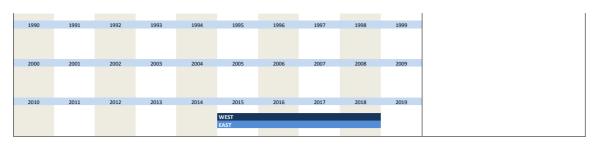
No. Name Label Survey period Survey frequency



	Name		Label				Survey perio	d		Survey frequency
3.121)	vg_inveq_lj		investment in e	quipment last	year		East and Wes	st since 05/20:	15	annual survey
Wording of	question									
05/2015										Further information
Investments 1) Last year (2)	20YY* compared to 2	20WW**) our i	nvestments were	e						
			Total investments							*20YY means last year e.g.: If the question was posed in 2015:
			nereof in: equipme							20YY=2014
	increased [1]									
	not changed [2]			, 						*20WW means two years ago e.g.: If the question was posed in 2015:
				J I						20WW=2013
	decreased [3]									
	of variable									
1980	1981	1982	1983	1984	1985	1986	1987	1988	1989	
		1982	1983	1984	1985	1986	1987	1988	1989	
		1982	1983	1984	1985 1995	1986	1987 1997	1988	1989	
1980	1981									
1980	1981									
1980	1981	1992	1993	1994	1995	1996	1997	1998	1999	
1980	1981	1992	1993	1994	1995	1996	1997	1998	1999	
1980	1981 1991 2001	1992	1993 2003	1994	1995 2005 2015	1996 2006	1997 2007	1998	1999	
1980	1981 1991 2001	1992	1993 2003	1994	1995 2005	1996 2006	1997 2007	1998	1999	
1980	1981 1991 2001	1992	1993 2003	1994	1995 2005 2015 WEST	1996 2006	1997 2007	1998	1999	

	vg_invest_dj		total investmen	nt this year			East and Wes	t since 05/201	5	twice a year (May, Nov.)
Vording of o	question									
5/2015										Further information
nvestments  I) In the curre	nt year (20XX* con	npared to 20YY	*) our investme	nts will likely						
			Total investments	5						*20XX means current year e.g.: If the question was posed in 2015:
	increase [1]									20XX=2015
	not change [2]			, ]						**20YY means last year
				) 						e.g.: If the question was posed in 2015: 20YY=2014
	decrease [3]									201Y=2014
ime span o	f variable									
1980	1981	1982	1983	1984	1985	1986	1987	1988	1989	
1980	1981	1982	1983	1984	1985	1986	1987	1988	1989	
1980	1981	1982	1983	1984	1985	1986	1987	1988	1989	
1980	1981	1982	1983	1984	1985	1986	1987	1988	1989	
1990	1991	1992	1993	1994	1995	1996	1997	1998	1999	
1990	1991	1992	1993	1994	1995	1996	1997	1998	1999	
1990	1991 2001	1992	1993 2003	1994	1995 2005	1996	1997 2007	1998 2008	1999	
1990	1991	1992	1993	1994	1995 2005 2015	1996	1997	1998	1999	
1990	1991 2001	1992	1993 2003	1994	1995 2005	1996	1997 2007	1998 2008	1999	

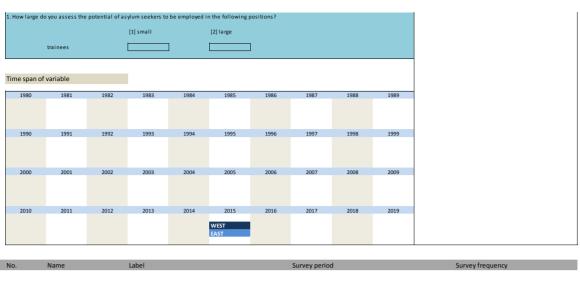
Further information		vg_invcon_dj									
Company   Comp	Wording of	question									
Time	05/2015										Further information
Column   C											
Time   Septem   Commission   Septem		ent year (20XX* com	pared to 20Y	/**) our investme	ents will likely						*20XX means current year
Time space of seriable   Time space of seria											e.g.: If the question was posed in 2015:
First country   10			t	nereof in: construct	tion						20XX=2015
Time submit   Time					_						
Time spate of website  1990		not change [2]			_						e.g.: If the question was posed in 2015: 20YY=2014
1990		decrease [3]									
1990											
1990   1991   1992   1995   1995   1996   1995   1996   1997   1999	Time span	of variable									
2000 2001 2012 2012 2013 2014 2015 2016 2016 2017 2018 2018  2010 7011 7017 2013 2014 2015 2016 2017 2018 2018  2010 8 Jone   Label Survey particle   Survey particle   Survey particle   Survey particle   Survey frequency    2020 8 Jone   Survey particle   Survey particle   Survey particle   Survey particle   Survey    2020 8 Jone   Survey particle   Su	1980	1981	1982	1983	1984	1985	1986	1987	1988	1989	
2000 2001 2012 2012 2013 2014 2015 2016 2016 2017 2018 2018  2010 7011 7017 2013 2014 2015 2016 2017 2018 2018  2010 8 Jone   Label Survey particle   Survey particle   Survey particle   Survey particle   Survey frequency    2020 8 Jone   Survey particle   Survey particle   Survey particle   Survey particle   Survey    2020 8 Jone   Survey particle   Su											
2000 2001 2012 2012 2013 2014 2015 2016 2016 2017 2018 2018  2010 7011 7017 2013 2014 2015 2016 2017 2018 2018  2010 8 Jone   Label Survey particle   Survey particle   Survey particle   Survey particle   Survey frequency    2020 8 Jone   Survey particle   Survey particle   Survey particle   Survey particle   Survey    2020 8 Jone   Survey particle   Su											
2010   2011   2012   2014   2014   2014   2015   2016   2017   2018   2019	1990	1991	1992	1993	1994	1995	1996	1997	1998	1999	
2010   2011   2012   2014   2014   2014   2015   2016   2017   2018   2019											
2010   2011   2012   2014   2014   2014   2015   2016   2017   2018   2019	***		222	***	***		***			***	
No. Name Label Survey period Survey period Survey frequency  1.1210    vg _ invest_0   Investment in equipment this year    Sast and West since CG/2015    twice a year (May, Nov.)	2000	2001	2002	2003	2004	2005	2006	2007	2008	2009	
No. Name Label Survey period Survey period Survey frequency  1.1210    vg _ invest_0   Investment in equipment this year    Sast and West since CG/2015    twice a year (May, Nov.)											
No. Name Label Survey period Survey period Survey frequency  1.1210    vg _ invest_0   Investment in equipment this year    Sast and West since CG/2015    twice a year (May, Nov.)	2010	2011	2012	2013	2014	2015	2016	2017	2018	2019	
No. Name Libel Survey period Survey frequency  1.120   Vg_ Inveq_ dj   Investment in equipment bits year   Sist and West Since CS/2015   Twice a year (May, Nov.)  Wording of question  Wording of question  Wording of question  Wording of question  In the current year (2004 "compared to 2014") our investments will likely  **Table inverses [13]	2010	2311	2012	2013			2310	2317	2310	2313	
Section   Sect											
Section   Sect											1
Section   Sect	No.	Name		Label				Survey period	i		Survey frequency
More											
Further information	3.124)	vg_inveq_dj		investment in	equipment this	year		East and Wes	t since 05/201	15	twice a year (May, Nov.)
Further information	Wording of	question									
Strate   S		4									
	05/2015										Further information
13	05/2015										
Time span of variable  1980 1981 1982 1983 1984 1985 1986 1987 1988 1989  1990 1991 1992 1993 1994 1995 1996 1997 1998 1999  2000 2001 2002 2003 2004 2005 2006 2007 2008 2009  2010 2011 2012 2013 2014 2015 2016 2017 2018 2019  WEST  EAST  No. Name Label Survey period Survey frequency  3125) vg_invest_nj total investment next year East and West since 11/2015 annual survey  Wording of question  11/2015 investments 1] In the next war [2022* compared to 2002**) our investments will likely Total investments 1] In the next war [2022* compared to 2002**) our investments will likely Total investments 1] In the next war [2022* compared to 2002**) our investments will likely Total investments 1] In the next war [2022** compared to 2002**) our investments will likely Total investments 1] Increase [1]			,	Total investment	s,						e.g.: If the question was posed in 2015:
1980   1981   1982   1983   1984   1985   1986   1987   1988   1989				Total investment	s,						e.g.: If the question was posed in 2015: 20XX=2015 **20YY means last year e.g.: If the question was posed in 2015:
1980   1981   1982   1983   1984   1985   1986   1987   1988   1989		not change [2]		Total investment	s,						e.g.: If the question was posed in 2015: 20XX=2015 **20YY means last year e.g.: If the question was posed in 2015:
1990 1991 1992 1993 1994 1995 1996 1997 1998 1999  2000 2001 2002 2003 2004 2005 2006 2007 2008 2009  2010 2011 2012 2013 2014 2015 2016 2017 2018 2019  WEST  EAST  No. Name Label Survey period Survey frequency  3.125) vg_invest_nj total investment next year East and West since 11/2015 annual survey  Wording of question  11/2015  Investments  Increase [1]  not change [2]  decrease [3]  Time span of variable  Time span of variable		not change [2]		Total investment	s,						e.g.: If the question was posed in 2015: 20XX=2015 **20YY means last year e.g.: If the question was posed in 2015:
2010 2011 2012 2013 2014 2015 2016 2017 2018 2019  WEST  FAST  No. Name Label Survey period Survey frequency  3.125) Vg_invest_nj total investment next year East and West since 11/2015 annual survey  Wording of question  11/2015 investments 1) In the next year (2022* compared to 200X**) our investments will likely  Total investments 1 increase [1]  not change [2]  decrease [3]  Time span of variable	Time span	not change [2] decrease [3]		Total investment	s,						e.g.: If the question was posed in 2015: 20XX=2015 **20YY means last year e.g.: If the question was posed in 2015:
2010 2011 2012 2013 2014 2015 2016 2017 2018 2019  WEST  FAST  No. Name Label Survey period Survey frequency  3.125) Vg_invest_nj total investment next year East and West since 11/2015 annual survey  Wording of question  11/2015 investments 1) In the next year (2022* compared to 200X**) our investments will likely  Total investments 1 increase [1]  not change [2]  decrease [3]  Time span of variable		not change [2] decrease [3] of variable		Total investment:	s, ent	1985	1986	1987	1988	1989	e.g.: If the question was posed in 2015: 20XX=2015 **20YY means last year e.g.: If the question was posed in 2015:
2010 2011 2012 2013 2014 2015 2016 2017 2018 2019  WEST  FAST  No. Name Label Survey period Survey frequency  3.125) Vg_invest_nj total investment next year East and West since 11/2015 annual survey  Wording of question  11/2015 investments 1) In the next year (2022* compared to 200X**) our investments will likely  Total investments 1 increase [1]  not change [2]  decrease [3]  Time span of variable		not change [2] decrease [3] of variable		Total investment:	s, ent	1985	1986	1987	1988	1989	e.g.: If the question was posed in 2015: 20XX=2015 **20YY means last year e.g.: If the question was posed in 2015:
No. Name Label Survey period Survey frequency  No. Name Label Survey period Survey frequency  3.125) vg_invest_nj total investment next year East and West since 11/2015 annual survey  Wording of question  11/2015 investments 11/1 in the next year (2022* compared to 2000**) our investments will likely  Total investments increase [1] not change [2] decrease [3]  Time span of variable	1980	not change [2] decrease [3] of variable	1982	Total investment thereof in: equipment in: e	s, ent						e.g.: If the question was posed in 2015: 20XX=2015 **20YY means last year e.g.: If the question was posed in 2015:
No. Name Label Survey period Survey frequency  No. Name Label Survey period Survey frequency  3.125) vg_invest_nj total investment next year East and West since 11/2015 annual survey  Wording of question  11/2015 investments 11/1 in the next year (2022* compared to 2000**) our investments will likely  Total investments increase [1] not change [2] decrease [3]  Time span of variable	1980	not change [2] decrease [3] of variable	1982	Total investment thereof in: equipment in: e	s, ent						e.g.: If the question was posed in 2015: 20XX=2015 **20YY means last year e.g.: If the question was posed in 2015:
No. Name Label Survey period Survey frequency  No. Name Label Survey period Survey frequency  3.125) vg_invest_nj total investment next year East and West since 11/2015 annual survey  Wording of question  11/2015 investments 11/1 in the next year (2022* compared to 2000**) our investments will likely  Total investments increase [1] not change [2] decrease [3]  Time span of variable	1980	not change [2] decrease [3] of variable	1982	Total investment thereof in: equipment in: e	s, ent						e.g.: If the question was posed in 2015: 20XX=2015 **20YY means last year e.g.: If the question was posed in 2015:
No. Name Label Survey period Survey frequency  3.125) Vg_invest_nj total investment next year East and West since 11/2015 annual survey  Wording of question  11/2015 Investments 1) In the next year (2022* compared to 200X**) our investments will likely  Total investments 1 increase [1]	1980	not change [2] decrease [3] of variable	1982	Total investment thereof in: equipment in: e	5, ent ] ] ] ] 1984	1995	1996	1997	1998	1999	e.g.: If the question was posed in 2015: 20XX=2015 **20YY means last year e.g.: If the question was posed in 2015:
No. Name Label Survey period Survey frequency  3.125) Vg_invest_nj total investment next year East and West since 11/2015 annual survey  Wording of question  11/2015 Investments 1) In the next year (2022* compared to 200X**) our investments will likely  Total investments 1 increase [1]	1980	not change [2] decrease [3] of variable	1982	Total investment thereof in: equipment in: e	5, ent ] ] ] ] 1984	1995	1996	1997	1998	1999	e.g.: If the question was posed in 2015: 20XX=2015 **20YY means last year e.g.: If the question was posed in 2015:
No. Name Label Survey period Survey frequency  3.125) Vg_invest_nj total investment next year East and West since 11/2015 annual survey  Wording of question  11/2015 Investments 1) In the next year (2022* compared to 200X**) our investments will likely  Total investments 1 increase [1]	1980	not change [2] decrease [3] of variable	1982	Total investment thereof in: equipment in: e	5, ent ] ] ] ] 1984	1995	1996	1997	1998	1999	e.g.: If the question was posed in 2015: 20XX=2015 **20YY means last year e.g.: If the question was posed in 2015:
No. Name Label Survey period Survey frequency  3.125) vg_invest_nj total investment next year East and West since 11/2015 annual survey  Wording of question  11/2015 investments 1) in the next year (2022* compared to 20XX**) our investments will likely  Total investments increase [1]	1980	not change [2] decrease [3] of variable 1981 1991	1982	Total investment thereof in: equipment in: e	5, ent ] ] ] ] 1984 1994 2004	1995 2005	1996 2006	1997 2007	1998	1999 2009	e.g.: If the question was posed in 2015: 20XX=2015 **20YY means last year e.g.: If the question was posed in 2015:
3.125) vg_invest_nj total investment next year East and West since 11/2015 annual survey  Wording of question  11/2015  Investments 1) In the next year (2022* compared to 20XX**) our investments will likely  Total investments  increase [1]	1980	not change [2] decrease [3] of variable 1981 1991	1982	Total investment thereof in: equipment in: e	5, ent	1995 2005 2015	1996 2006	1997 2007	1998	1999 2009	e.g.: If the question was posed in 2015: 20XX=2015 **20YY means last year e.g.: If the question was posed in 2015:
3.125) vg_invest_nj total investment next year East and West since 11/2015 annual survey  Wording of question  11/2015  Investments 1) In the next year (2022* compared to 20XX**) our investments will likely  Total investments  increase [1]	1980	not change [2] decrease [3] of variable 1981 1991	1982	Total investment thereof in: equipment in: e	5, ent	1995 2005 2015 WEST	1996 2006	1997 2007	1998	1999 2009	e.g.: If the question was posed in 2015: 20XX=2015 **20YY means last year e.g.: If the question was posed in 2015:
3.125) vg_invest_nj total investment next year East and West since 11/2015 annual survey  Wording of question  11/2015  Investments 1) In the next year (2022* compared to 20XX**) our investments will likely  Total investments  increase [1]	1980	not change [2] decrease [3] of variable 1981 1991	1982	Total investment thereof in: equipment in: e	5, ent	1995 2005 2015 WEST	1996 2006	1997 2007	1998	1999 2009	e.g.: If the question was posed in 2015: 20XX=2015 **20YY means last year e.g.: If the question was posed in 2015:
Wording of question  11/2015  Investments  1) In the next year (2022* compared to 20XX**) our investments will likely  *2022 means next year e.g.: if the question was posed in 2015: 2022*-2016  increase [1]	1980	not change [2] decrease [3]  of variable  1981  1991  2001	1982	1983 1993 2003	5, ent	1995 2005 2015 WEST	1996 2006	1997 2007 2017	1998 2008 2018	1999 2009	e.g.: if the question was posed in 2015: 20XX=2015 **20YY means last year e.g.: if the question was posed in 2015: 20YY=2014
In the next year (2022* compared to 200X**) our investments will likely  Total investments  increase [1]  not change [2]  decrease [3]  Time span of variable  Purther information  *2022 means next year  e.g.: if the question was posed in 2015: 2022-2016  **200X means current year  e.g.: if the question was posed in 2015: 200X*-2015	1980 1990 2000	not change [2] decrease [3]  of variable  1981  1991  2001	1982	1983 1993 2003	5, ent	1995 2005 2015 WEST	1996 2006	1997 2007 2017	1998 2008 2018	1999 2009	e.g.: if the question was posed in 2015: 20XX=2015 **20YY means last year e.g.: if the question was posed in 2015: 20YY=2014
In the next year (2022* compared to 200X**) our investments will likely  Total investments  increase [1]  not change [2]  decrease [3]  Time span of variable  Purther information  *2022 means next year  e.g.: if the question was posed in 2015: 2022-2016  **200X means current year  e.g.: if the question was posed in 2015: 200X*-2015	1980 1990 2000	not change [2] decrease [3]  of variable  1981  1991  2001  Name	1982	1983 1993 2003 Label	5, ent	1995 2005 2015 WEST	1996 2006	1997 2007 2017 Survey period	1998 2008 2018	1999 2009 2019	e.g.: if the question was posed in 2015: 20XX=2015  **20YY means last year e.g.: if the question was posed in 2015: 20YY=2014  Survey frequency
Investments    In the next year (2022* compared to 200X**) our investments will likely    Total investments	1980 1990 2000 2010 No.	not change [2] decrease [3]  of variable  1981  1991  2001  Variable  1991  2011	1982	1983 1993 2003 Label	5, ent	1995 2005 2015 WEST	1996 2006	1997 2007 2017 Survey period	1998 2008 2018	1999 2009 2019	e.g.: if the question was posed in 2015: 20XX=2015  **20YY means last year e.g.: if the question was posed in 2015: 20YY=2014  Survey frequency
1) In the next year (2022* compared to 20XX**) our investments will likely  *2022 means next year e.g.: If the question was posed in 2015: 2022-2016  *2022-2016  *2022-2016  *2022-2016  *2022-2016  *200X means current year e.g.: If the question was posed in 2015: 20XX-2015  *20XX-2015	1980 1990 2000 2010 No.	not change [2] decrease [3]  of variable  1981  1991  2001  Variable  1991  2011	1982	1983 1993 2003 Label	5, ent	1995 2005 2015 WEST	1996 2006	1997 2007 2017 Survey period	1998 2008 2018	1999 2009 2019	e.g.: if the question was posed in 2015: 20XX=2015  **20YY means last year e.g.: if the question was posed in 2015: 20YY=2014  Survey frequency annual survey
1) In the next year (2022* compared to 20XX**) our investments will likely  *2022 means next year e.g.: If the question was posed in 2015: 2022-2016  *2022-2016  *2022-2016  *2022-2016  *2022-2016  *200X means current year e.g.: If the question was posed in 2015: 20XX-2015  *20XX-2015	1980  1990  2000  2010  No.  3.125)  Wording of	not change [2] decrease [3]  of variable  1981  1991  2001  Variable  1991  2011	1982	1983 1993 2003 Label	5, ent	1995 2005 2015 WEST	1996 2006	1997 2007 2017 Survey period	1998 2008 2018	1999 2009 2019	e.g.: if the question was posed in 2015: 20XX=2015  **20YY means last year e.g.: if the question was posed in 2015: 20YY=2014  Survey frequency annual survey
Total investments  e.g.: if the question was posed in 2015: 2027-2016  increase [1]  not change [2]  decrease [3]  Time span of variable	1980  1990  2000  2010  No.  3.125)  Wording of	not change [2] decrease [3]  of variable  1981  1991  2001  Variable  1991  2011	1982	1983 1993 2003 Label	5, ent	1995 2005 2015 WEST	1996 2006	1997 2007 2017 Survey period	1998 2008 2018	1999 2009 2019	e.g.: if the question was posed in 2015: 20XX=2015  **20YY means last year e.g.: if the question was posed in 2015: 20YY=2014  Survey frequency annual survey
increase [1] not change [2] decrease [3]  Time span of variable  **200X means current year e.g.: If the question was posed in 2015: 200X=2015	1980  1990  2000  2010  No.  3.125)  Wording of  11/2015  Investments	not change [2] decrease [3]  of variable  1981  2001  2011  Name  vg_invest_nj  question	1982 1992 2002 2012	Total investment thereof in: equipment thereof in: equipment in: equipme	5, ent	1995 2005 2015 WEST	1996 2006	1997 2007 2017 Survey period	1998 2008 2018	1999 2009 2019	e.g.: if the question was posed in 2015: 20XX=2015  **20YY means last year e.g.: if the question was posed in 2015: 20YY=2014  Survey frequency annual survey
not change [2] decrease [3]  Time span of variable  **200X means current year e.g.: If the question was posed in 2015: 200X=2015	1980  1990  2000  2010  No.  3.125)  Wording of  11/2015  Investments	not change [2] decrease [3]  of variable  1981  2001  2011  Name  vg_invest_nj  question	1982 1992 2002 2012	Total investment thereof in: equipment thereof in: equipment in: equipme	5, ent	1995 2005 2015 WEST	1996 2006	1997 2007 2017 Survey period	1998 2008 2018	1999 2009 2019	e.g.: if the question was posed in 2015: 20XX=2015  **20YY means last year e.g.: if the question was posed in 2015: 20YY=2014  Survey frequency annual survey  Further information  *20ZZ means next year e.g.: if the question was posed in 2015:
decrease [3] e.g.: if the question was posed in 2015: 20XX-2015  Time span of variable	1980  1990  2000  2010  No.  3.125)  Wording of  11/2015  Investments	not change [2] decrease [3]  of variable  1981  2001  2011  Name  vg_invest_nj i question	1982 1992 2002 2012	Total investment thereof in: equipment thereof in: equipment in: equipme	5, ent	1995 2005 2015 WEST	1996 2006	1997 2007 2017 Survey period	1998 2008 2018	1999 2009 2019	e.g.: if the question was posed in 2015: 20XX=2015  **20YY means last year e.g.: if the question was posed in 2015: 20YY=2014  Survey frequency annual survey  Further information  *20ZZ means next year e.g.: if the question was posed in 2015:
Time span of variable	1980  1990  2000  2010  No.  3.125)  Wording of  11/2015  Investments	not change [2] decrease [3]  of variable  1981  1991  2001  2011  Name  vg_invest_nj  question  t year (2022* companincrease [1]	1982 1992 2002 2012	Total investment thereof in: equipment thereof in: equipment in: equipme	5, ent	1995 2005 2015 WEST	1996 2006	1997 2007 2017 Survey period	1998 2008 2018	1999 2009 2019	e.g.: If the question was posed in 2015: 20XX=2015  **20YY means last year e.g.: If the question was posed in 2015: 20YY=2014  Survey frequency annual survey  Further information  *20ZZZ means next year e.g.: If the question was posed in 2015: 20ZZ=2016
	1980  1990  2000  2010  No.  3.125)  Wording of  11/2015  Investments	not change [2] decrease [3]  of variable  1981  1991  2001  2011  Name  vg_invest_nj question  t year (2022* compaincease [1] not change [2]	1982 1992 2002 2012	Total investment thereof in: equipment thereof in: equipment in: equipme	5, ent	1995 2005 2015 WEST	1996 2006	1997 2007 2017 Survey period	1998 2008 2018	1999 2009 2019	e.g.: If the question was posed in 2015: 20XX=2015  **20YY means last year e.g.: If the question was posed in 2015: 20YY=2014  Survey frequency annual survey  Further information  *20ZZ means next year e.g.: If the question was posed in 2015: 20ZZ=2016  **20XX means current year e.g.: If the question was posed in 2015:
	1980  1990  2000  2010  No.  3.125)  Wording of  11/2015  Investments	not change [2] decrease [3]  of variable  1981  1991  2001  2011  Name  vg_invest_nj question  t year (2022* compaincease [1] not change [2]	1982 1992 2002 2012	Total investment thereof in: equipment thereof in: equipment in: equipme	5, ent	1995 2005 2015 WEST	1996 2006	1997 2007 2017 Survey period	1998 2008 2018	1999 2009 2019	e.g.: If the question was posed in 2015: 20XX=2015  **20YY means last year e.g.: If the question was posed in 2015: 20YY=2014  Survey frequency annual survey  Further information  *20ZZ means next year e.g.: If the question was posed in 2015: 20ZZ=2016  **20XX means current year e.g.: If the question was posed in 2015:
1980 1981 1982 1983 1984 1985 1986 1987 1988 1989	1980  1990  2000  2010  No.  3.125)  Wording of  11/2015  Investments	not change [2] decrease [3]  of variable  1981  1991  2001  2011  Name  vg_invest_nj question  t year (2022* compaincease [1] not change [2]	1982 1992 2002 2012	Total investment thereof in: equipment thereof in: equipment in: equipme	5, ent	1995 2005 2015 WEST	1996 2006	1997 2007 2017 Survey period	1998 2008 2018	1999 2009 2019	e.g.: If the question was posed in 2015: 20XX=2015  **20YY means last year e.g.: If the question was posed in 2015: 20YY=2014  Survey frequency annual survey  Further information  *20ZZ means next year e.g.: If the question was posed in 2015: 20ZZ=2016  **20XX means current year e.g.: If the question was posed in 2015:
	1980  1990  2000  2010  No.  3.125)  Wording of 11/2015  Investments 1) in the nex	not change [2] decrease [3]  of variable  1981  1991  2001  2011  Name  vg_invest_nj question  t year (2022* comparincease [1] not change [2] decrease [3]	1982 1992 2002 2012	Total investment thereof in: equipment thereof in: equipment in: equipme	5, ent	1995 2005 2015 WEST	1996 2006	1997 2007 2017 Survey period	1998 2008 2018	1999 2009 2019	e.g.: If the question was posed in 2015: 20XX=2015  **20YY means last year e.g.: If the question was posed in 2015: 20YY=2014  Survey frequency annual survey  Further information  *20ZZ means next year e.g.: If the question was posed in 2015: 20ZZ=2016  **20XZ means current year e.g.: If the question was posed in 2015: 20ZZ=2016
	1980  1990  2000  2010  No.  3.125)  Wording of 11/2015  Investments 1) In the nex	not change [2] decrease [3]  of variable  1981  1991  2001  2011  Name  vg_invest_nj question  t year (2022* compai increase [1] not change [2] decrease [3]	1982 1992 2002 2012	Total investment thereof in: equipment thereof in: equipment investment	s, ent  ] ] ] 1984  1994  2004  2014  at next year  s will likely  ts ]	1995 2005 2015 WEST EAST	1996 2006 2016	2007 2017  Survey period East and Wes	2008 2018 4 t since 11/201	1999 2009 2019	e.g.: If the question was posed in 2015: 20XX=2015  **20YY means last year e.g.: If the question was posed in 2015: 20YY=2014  Survey frequency annual survey  Further information  *20ZZ means next year e.g.: If the question was posed in 2015: 20ZZ=2016  **20XZ means current year e.g.: If the question was posed in 2015: 20ZZ=2016



No.	Name		Label				Survey perio	d		Survey frequency
3.126)	vg_invcon_nj		investment in co	onstruction ne	xt year		Fast and Wes	st since 11/201	5	annual survey
					,,,,		Lust and WC.	St 31110C 11/201		aimaar survey
Wording of o	question									
11/2015										Further information
Investments 1) In the next	year (20ZZ* compa	ared to 20XX**)	ourinvestments	will likely						
			Fotal investments,							*20ZZ means next year e.g.: If the question was posed in 2015:
			ereof in: constructi							20ZZ=2016
	increase [1]									
	not change [2]									**20XX means current year e.g.: If the question was posed in 2015:
	decrease [3]									20XX=2015
Time span o	f variable									
1980	1981	1982	1983	1984	1985	1986	1987	1988	1989	
1990	1991	1992	1993	1994	1995	1996	1997	1998	1999	
2000	2001	2002	2003	2004	2005	2006	2007	2008	2009	
2010	2011	2012	2013	2014	2015	2016	2017	2018	2019	
					WEST EAST					
					EAST					

27)	vg_inveq_nj		investment in e	quipment next	tyear		East and Wes	t since 11/201	5	annual survey
ording of q	uestion									
/2015										Further information
vestments In the next y	ear (20ZZ* compa	ared to 20XX**)	ourinvestments	will likely						
										*20ZZ means next year
			Fotal investments ereof in: equipme							e.g.: If the question was posed in 2015: 20ZZ=2016
	increase [1]			l						
	increase [1]									**20XX means current year
	not change [2]									e.g.: If the question was posed in 2015: 20XX=2015
	decrease [3]									2000-2013
me span of	variable									
		1987	1983	1984	1985	1986	1987	1988	1989	
me span of	variable	1982	1983	1984	1985	1986	1987	1988	1989	
		1982	1983	1984	1985	1986	1987	1988	1989	
1980	1981									
		1982	1983	1984	1985 1995	1986	1987 1997	1988	1989	
1980	1981									
1980	1981									
1980	1981									
1990	1981 1991	1992	1993	1994	1995	1996	1997	1998	1999	
1980	1981 1991	1992	1993	1994	1995	1996	1997	1998	1999	
1980	1981 1991	1992	1993	1994	1995	1996	1997	1998	1999	
1980	1981 1991 2001	1992 2002	1993 2003	1994	1995 2005 2015	1996	1997 2007	1998 2008	1999	
1980	1981 1991 2001	1992 2002	1993 2003	1994	1995 2005	1996	1997 2007	1998 2008	1999	

No.	Name	Label	Survey period	Survey frequency
3.128)	vg_ref1	refugees question 1	East and West 10/2015	once
Wording of	auestion			
	4			
10/2015				Further Information



No.	Name		Label				Survey perior	d		Survey frequency
3.129)	vg_ref2		refugees quest	ion 2			East and Wes	t 10/2015		once
Wording of	question									
	<u> </u>									Further Information
10/2015										ru dei momaton
1. How large	do you assess the	potential of as	ylum seekers to	be employed	in the following p	ositions?				
			[1] small		[2] large					
			[2] 5111011	1	[2] Turge					
	unskilled aid w	vorkers								
Time span	of variable									
1980	1981	1982	1983	1984	1985	1986	1987	1988	1989	
1990	1991	1992	1993	1994	1995	1996	1997	1998	1999	
1990	1991	1992	1993	1994	1995	1996	1997	1998	1999	
1990	1991	1992	1993	1994	1995	1996	1997	1998	1999	
1990	1991	1992	1993	1994	1995 2005	1996	1997	1998	1999	
2000	2001	2002	2003	2004	2005	2006	2007	2008	2009	
2000	2001	2002	2003	2004	2005	2006	2007	2008	2009	

No. Name Label Survey period Survey frequency

3.130)	vg_ref3		refugees questi	on 3			East and Wes	: 10/2015		once
Wording of o	question									
10/2015										Further Information
l. How large o	lo you assess the	potential of as	ylum seekers to	be employed	in the following p	ositions?				
			[1] small		[2] large					
	skilled workers	s								
Time span o	f variable									
1980	1981	1982	1983	1984	1985	1986	1987	1988	1989	
1990	1991	1992	1993	1994	1995	1996	1997	1998	1999	
1550	1551	1332	1555	1334	1333	1330	1337	1330	1333	
2000	2001	2002	2003	2004	2005	2006	2007	2008	2009	
2010	2011	2012	2013	2014	2015	2016	2017	2018	2019	
					WEST					
					EAST					

No.	Name	Label	Survey period	Survey frequency
		refugees question 4	F	
3.131)	vg_ref4	retugees question 4	East and West 10/2015	once
Wording of	question			
			Further Info	rmation

Time span o	f variable									
1980	1981	1982	1983	1984	1985	1986	1987	1988	1989	
1990	1991	1992	1993	1994	1995	1996	1997	1998	1999	
2000	2001	2002	2003	2004	2005	2006	2007	2008	2009	
2010	2011	2012	2013	2014	2015	2016	2017	2018	2019	
					WEST EAST					
					LAST					
No.	Name		Label				Survey period	i		Survey frequency
2 4221	va rofe		refugees ques	tion 5			East and Mr.	10/2015		022
3.132) Wording of	vg_ref5		rerugees ques				East and West	10/2015		once
vvoiuning of	questivii									Further Information
10/2015										
1. How large	do you assess the	e potential of a	sylum seekers to	be employed	in the following p	ositions?				
	other position	s	(1) Smail	1	[2] raige					
Time span o	f variable									
Time span o	f variable	1982	1983	1984	1985	1986	1987	1988	1989	
		1982	1983	1984	1985	1986	1987	1988	1989	
		1982	1983	1984 1994	1985 1995	1986	1987	1988	1989	
1980	1981									
1980	1981									
1980	1981	1992	1993	1994	1995	1996	1997	1998	1999	
1980	1981 1991 2001	1992	1993 2003	1994	1995	1996	1997	1998	1999	
1980 1990 2000	1981	1992	1993	1994	1995 2005	1996	1997 2007	1998	1999 2009	
1980 1990 2000	1981 1991 2001	1992	1993 2003	1994	1995 2005	1996	1997 2007	1998	1999 2009	
1980 1990 2000	1981 1991 2001 2011	1992	1993 2003 2013	1994	1995 2005	1996	1997 2007 2017	1998 2008 2018	1999 2009	Survey frequency
1980 1990 2000	1981 1991 2001	1992	1993 2003	1994	1995 2005	1996	1997 2007	1998 2008 2018	1999 2009	Survey frequency
1980 1990 2000 2010 No.	1981 1991 2001 2011 Name	1992	1993 2003 2013	1994 2004 2014	1995 2005	1996	1997 2007 2017	1998 2008 2018	1999 2009	Survey frequency once
1980 1990 2000 2010 No.	1981 1991 2001 2011 Name	1992	1993 2003 2013 Label	1994 2004 2014	1995 2005	1996	1997 2007 2017 Survey perioc	1998 2008 2018	1999 2009	once
1980 1990 2000 2010 No.	1981 1991 2001 2011 Name	1992	1993 2003 2013 Label	1994 2004 2014	1995 2005	1996	1997 2007 2017 Survey perioc	1998 2008 2018	1999 2009	
1980  1990  2000  2010  No.  3.133)  Wording of	1991 2001 2011 Name vg_ref6 question	1992 2002 2012	2003 2013 Label refugees quest	1994 2004 2014	2005 2015 WEST EAST	1996 2006 2016	2007 2017  Survey period East and West	1998 2008 2018	1999 2009	once
1980  1990  2000  2010  No.  3.133)  Wording of	1991 2001 2011 Name vg_ref6 question	1992 2002 2012 employing as yi	2003 2013 Label refugees quest	1994 2004 2014	2005 2005 2015 WEST EAST	1996 2006 2016	2007 2017  Survey period East and West	1998 2008 2018	1999 2009	once
1980  1990  2000  2010  No.  3.133)  Wording of	1991 2001 2011 Name vg_ref6 question	1992 2002 2012	2003 2013 Label refugees quest	1994 2004 2014	2005 2015 WEST EAST	1996 2006 2016	2007 2017  Survey period East and West	1998 2008 2018	1999 2009	once
1990 2000 2010 No. 3.133) Wording of 10/2015 2. how much of	1981 1991 2001 2011 Name vg_ref6 question of an obstacle to	1992 2002 2012 employing as yi	2003 2013 Label refugees quest	1994 2004 2014	2005 2015 WEST EAST	1996 2006 2016	2007 2017  Survey period East and West	1998 2008 2018	1999 2009	once
1980  1990  2000  2010  No.  3.133)  Wording of 10/2015  2. how much (	1981 1991 2001 2011 Name vg_ref6 question of an obstacle to	1992 2002 2012 employing as yi	2003 2013 Label refugees quest	1994 2004 2014	2005 2015 WEST EAST	1996 2006 2016	2007 2017  Survey period East and West	1998 2008 2018	1999 2009	once
1980  1990  2000  2010  No.  3.133)  Wording of  10/2015  2. how much of	1981  1991  2001  2011  Name  vg_ref6 question  of an obstacle to labor law-rela	1992 2002 2012 employing asylted provisions	2003 2013 Label refugees quest	1994 2004 2014 titon 6	2005  2015  WEST  EAST  e following factor [2] much	1996 2006 2016	2007 2017  Survey period East and West	1998 2008 2018 t 10/2015	1999 2009 2019	once
1980  1990  2000  2010  No.  3.133)  Wording of  10/2015  2. how much i	1981  1991  2001  2011  Name  vg_ref6 question  of an obstacle to labor law-rela  of variable	1992 2002 2012 employing asylted provisions	1993 2003 2013 Label refugees quest	1994 2004 2014 tton 6	1995  2005  2015  WEST  EAST  e following factor  [2] much	1996 2006 2016 s to be in your	1997 2007 2017  Survey period East and West	1998 2008 2018 it 10/2015	1999 2009 2019	once
1980  1990  2000  2010  No.  3.133)  Wording of  10/2015  2. how much of	1981  1991  2001  2011  Name  vg_ref6 question  of an obstacle to labor law-rela	1992 2002 2012 employing asylted provisions	2003 2013 Label refugees quest	1994 2004 2014 titon 6	2005  2015  WEST  EAST  e following factor [2] much	1996 2006 2016	2007 2017  Survey period East and West	1998 2008 2018 t 10/2015	1999 2009 2019	once
1980  1990  2000  2010  No.  3.133)  Wording of  10/2015  2. how much of  1980	1981  1991  2001  2011  Name  vg_ref6 question  of an obstacle to  labor law-rela  if variable  1981	employing asyl	2003  2003  2013  Label  refugees quest  tum seekers do y [1] little  1983	1994 2004 2014 tion 6	2005  2015  WEST  EAST  e following factor [2] much  1985	1996  2006  2016  s to be in your  1986	2007  2017  Survey period  East and West	1998 2008 2018 1988	1999 2009 2019 1989	once
1980  1990  2000  2010  No.  3.133)  Wording of  10/2015  2. how much i	1981  1991  2001  2011  Name  vg_ref6 question  of an obstacle to labor law-rela  of variable	1992 2002 2012 employing asylted provisions	1993 2003 2013 Label refugees quest	1994 2004 2014 tton 6	1995  2005  2015  WEST  EAST  e following factor  [2] much	1996 2006 2016 s to be in your	1997 2007 2017  Survey period East and West	1998 2008 2018 it 10/2015	1999 2009 2019	once
1980  1990  2000  2010  No.  3.133)  Wording of  10/2015  2. how much of  1980	1981  1991  2001  2011  Name  vg_ref6 question  of an obstacle to  labor law-rela  if variable  1981	employing asyl	2003  2003  2013  Label  refugees quest  tum seekers do y [1] little  1983	1994 2004 2014 tion 6	2005  2015  WEST  EAST  e following factor [2] much  1985	1996  2006  2016  s to be in your  1986	2007  2017  Survey period  East and West	1998 2008 2018 1988	1999 2009 2019 1989	once
1980  1990  2000  2010  No.  3.133)  Wording of  10/2015  2. how much of  1980	1981  1991  2001  2011  Name  vg_ref6 question  of an obstacle to  labor law-rela  if variable  1981	employing asyl	2003  2003  2013  Label  refugees quest  tum seekers do y [1] little  1983	1994 2004 2014 tion 6	2005  2015  WEST  EAST  e following factor [2] much  1985	1996  2006  2016  s to be in your  1986	2007  2017  Survey period  East and West	1998 2008 2018 1988	1999 2009 2019 1989	once

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East and West 10/2015

once

3.134)

Wording of question

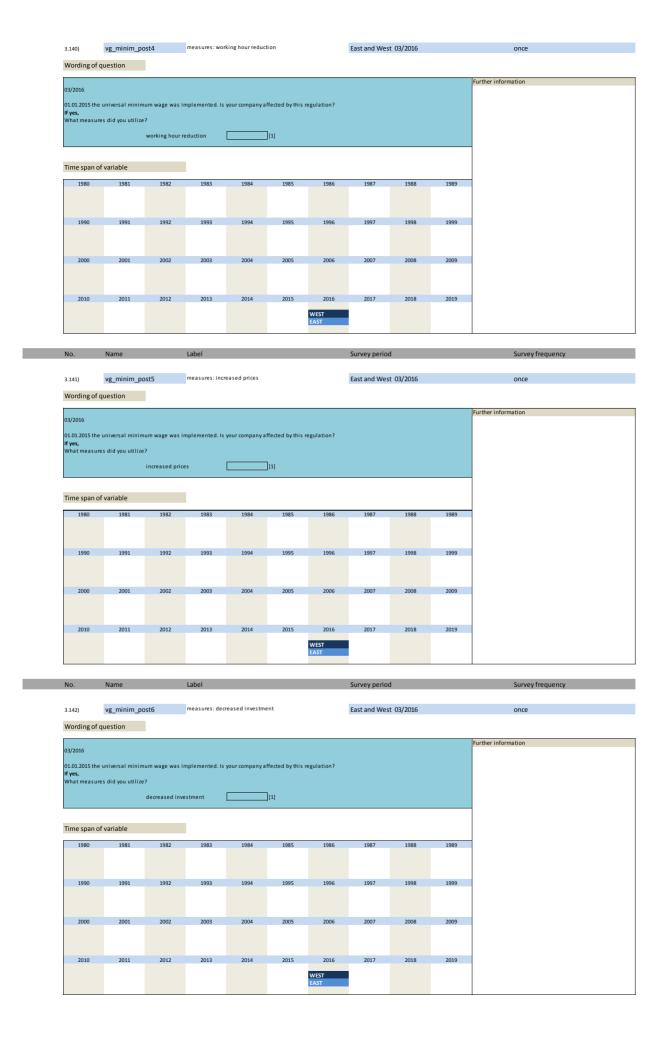
vg\_ref7 refugees question 7

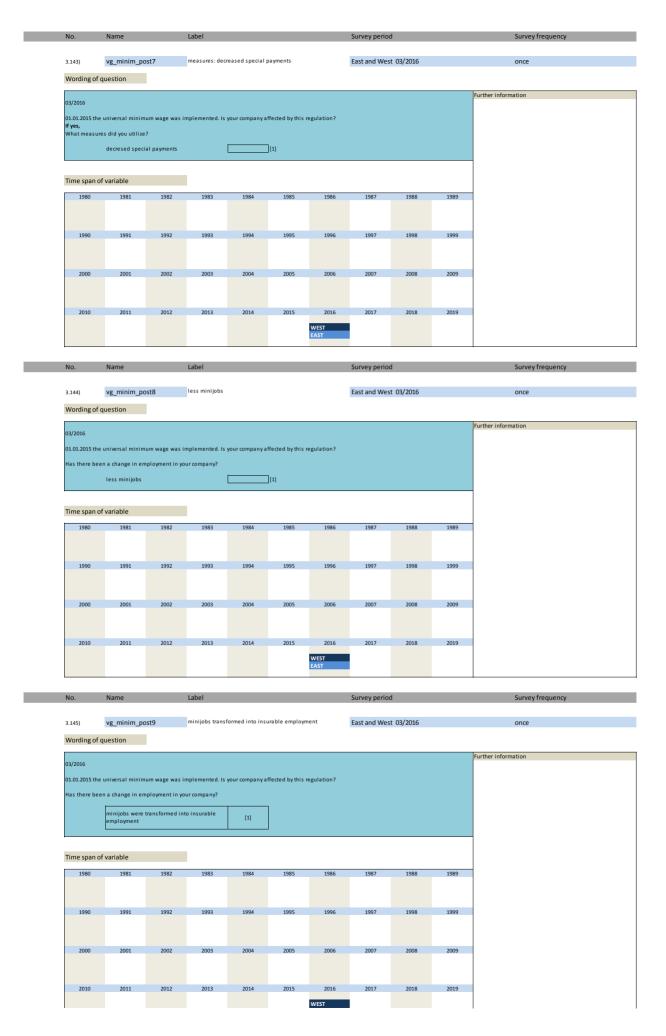


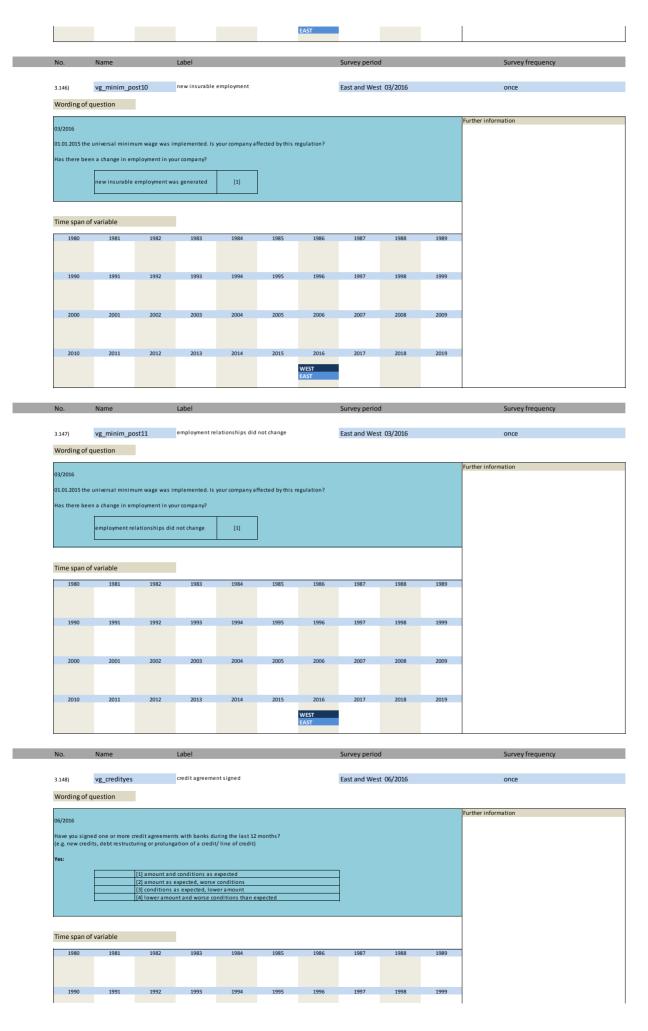
#### Wording of question Further information 01.01.2015 the universal minimum wage was implemented. Is your company affected by this regulation? [1] yes [2] no Time span of variable WEST vg\_minim\_post2 no minimum wage measures East and West 03/2016 3.138) once Wording of question Further information 03/2016 01.01.2015 the universal minimum wage was implemented. Is your company affected by this regulation? If yes, What measures did you utilize? none [1] Time span of variable WEST Survey period Survey frequency 3.139) vg\_minim\_post3 measures: employee reduction East and West 03/2016 once Wording of question Further information 03/2016 01.01.2015 the universal minimum wage was implemented. Is your company affected by this regulation? If yes, What measures did you utilize? employee reduction [1] Time span of variable

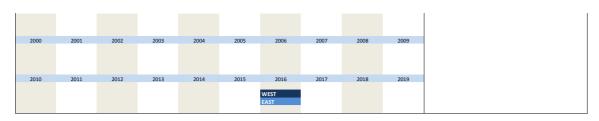
Survey period

Survey frequency





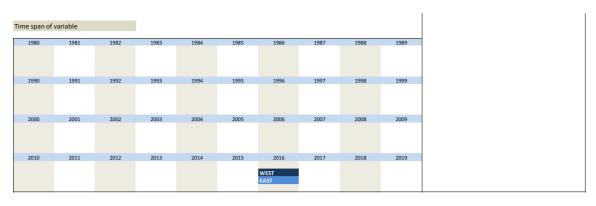




	Name		Label				Survey period	d		Survey frequency
3.149)	vg_creditno		credit agreeme	nt not signed			East and Wes	t 06/2016		once
Wording o	f question									
										Further information
06/2016										
Have you si	gned one or more	credit agreement	ts with banks du	uring the last 12	months?					
(e.g. new cr	edits, debt restruct	turing or prolung	ation of a credit	t/line of credit)						
no, because:										
		[1] no need					1			
		[2] unacceptabl								
		[3] denied by b [4] no realistic		edit						
Time span	of variable									
	of variable	4002	1003	4004	4005	4005	1007	4000	4000	
Time span	of variable	1982	1983	1984	1985	1986	1987	1988	1989	
		1982	1983	1984	1985	1986	1987	1988	1989	
1980	1981									
		1982	1983	1984	1985 1995	1986	1987	1988	1989	
1980	1981									
1980	1981									
1980	1981									
1980	1981	1992	1993	1994	1995	1996	1997	1998	1999	
1980	1981	1992	1993	1994	1995	1996	1997	1998	1999	
1980	1981	1992	1993	1994	1995	1996	1997	1998	1999	
1980 1990 2000	1981	1992	1993 2003	1994 2004	1995	1996 2006 2016	1997 2007	1998	1999 2009	
1980 1990 2000	1981	1992	1993 2003	1994 2004	1995	1996 2006	1997 2007	1998	1999 2009	
1980 1990 2000	1981	1992	1993 2003	1994 2004	1995	1996 2006 2016 WEST	1997 2007	1998	1999 2009	
1980 1990 2000	1981	1992	1993 2003	1994 2004	1995	1996 2006 2016 WEST	1997 2007	1998	1999 2009	

	vg_credituse1		financing of one				East and Wes	t 00/2010		once
ording of o	question									
										Further information
/2016										
hat was the	usage of your las	t negotiated cr	edit?							
	financing of c	ongoing operati	ng resources	[1]						
me span o	f variable									
1980	1981	1982	1983	1984	1985	1986	1987	1988	1989	-
1360	1301	1302	1505	1504	1903	1300	1307	1300	1505	
1990	1991	1992	1993	1994	1995	1996	1997	1998	1999	
1990	1991	1992	1993	1994	1995	1996	1997	1998	1999	
1990	1991 2001	1992	1993	1994	1995	1996	1997	1998	1999	
2000	2001	2002	2003	2004	2005	2006	2007	2008	2009	
2000	2001	2002	2003	2004	2005	2006	2007	2008	2009	

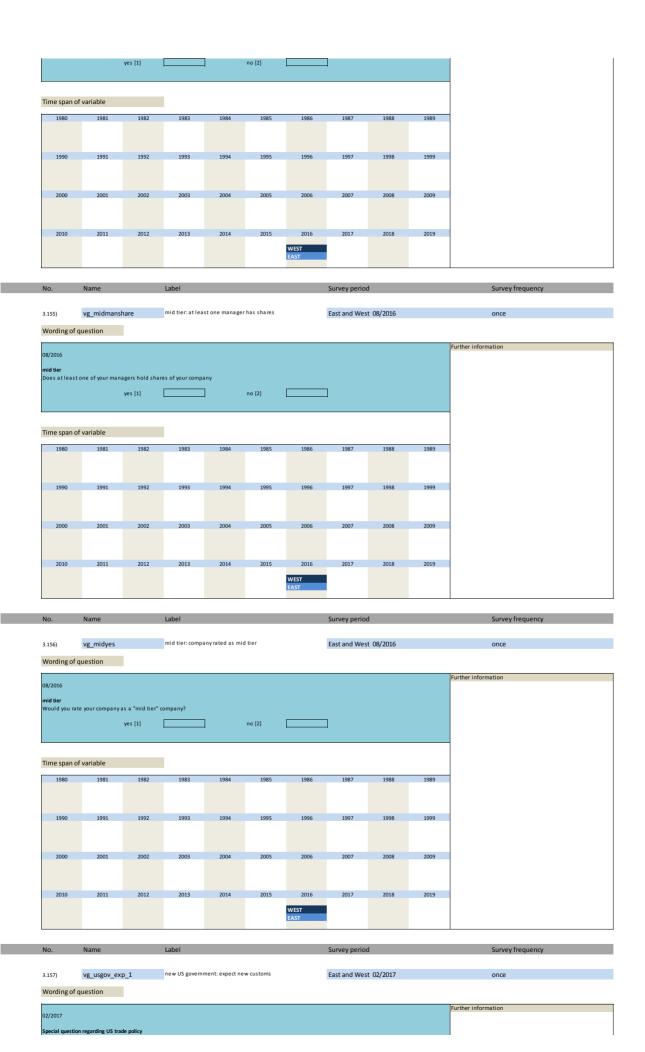
No.	Name	Label	Survey period	Survey frequency
3.151)	vg_credituse2	financing of an investment	East and West 06/2016	once
Wording o	f question			
				Further information
06/2016				
What was th	ne usage of your last negotia	ated credit?		
	financing of ar	ninvestment [1]		

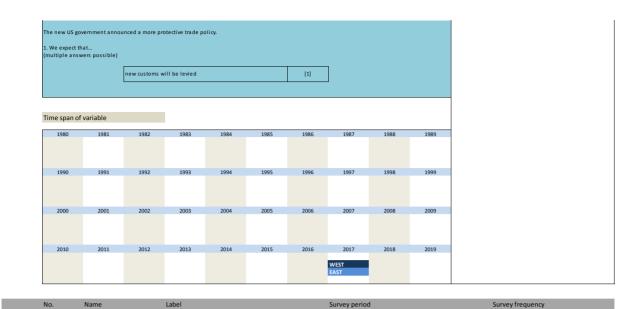


No.	Name		Label				Survey perior	d		Survey frequency
3.152)	vg_credituse3		other financing	3			East and Wes	t 06/2016		once
Wording of	question									
										Further information
06/2016										
What was the	e usage of your las	t negotiated cr	redit?							
		others		[1]						
		outers		[4]						
Time span o	of variable									
1980	1981	1982	1983	1984	1985	1986	1987	1988	1989	
1990	1991	1992	1993	1994	1995	1996	1997	1998	1999	
2000	2001	2002	2003	2004	2005	2006	2007	2008	2009	
2000	2001	2002	2003	2004	2005	2006	2007	2008	2009	
2010	2011	2012	2013	2014	2015	2016	2017	2018	2019	
2010	2011	2012	2015	2014	2013		2017	2016	2019	
						WEST EAST				
No.	Nama		Label				C	4		Commenter
IVO.	Name		rapei				Survey perior	J		Survey frequency

.153)	vg_brexit		expected impa	t from brexit			East and Wes	t 06/2016		once
Vording of	question									
										Further information
6/2016										Further Information
Vhat impact !	for your company	do you expect fr	om a nossible F	rexit?						
		,			positive [:		7			online only
							<u> </u>			
					negative [2	1				
					none [	1]				
										-
	£									
ime span o										
1980	1981	1982	1983	1984	1985	1986	1987	1988	1989	
1990	1991	1992	1993	1994	1995	1996	1997	1998	1999	
2000	2001	2002	2003	2004	2005	2006	2007	2008	2009	
2010	2011	2012	2013	2014	2015	2016	2017	2018	2019	
						WEST				
						EAST				

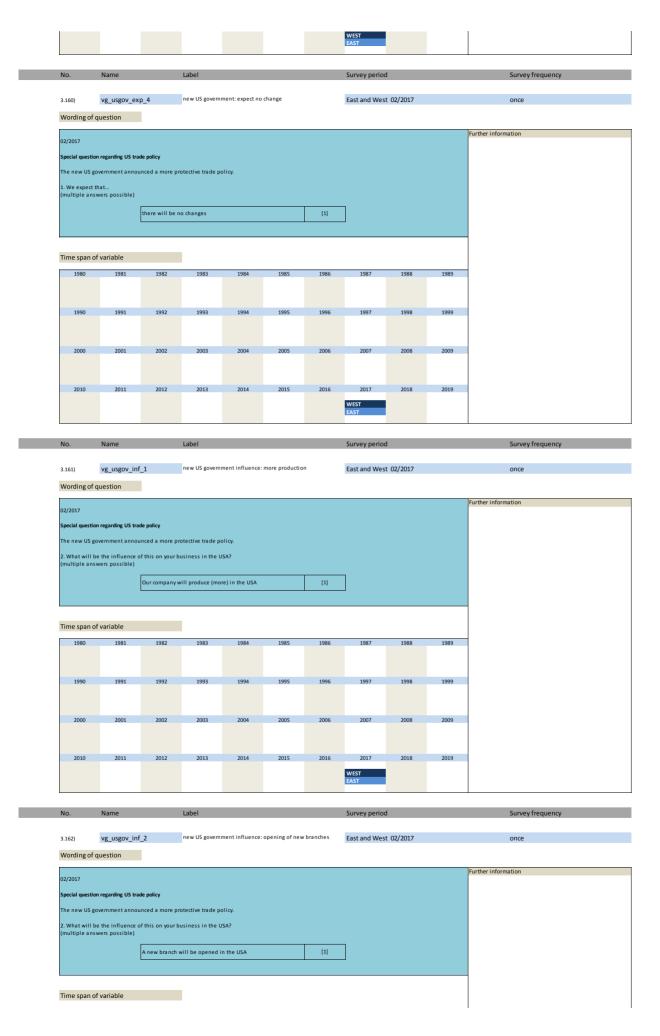
No.	Name	Label	Survey period	Survey frequency
			· ·	
3.154)	vg_midmanager	mid tier: more than 4 managers	East and West 08/2016	once
Wording of	question			
				Further information
08/2016				
mid tier				
Does your con	npany have more than 4 mar	nagers?		

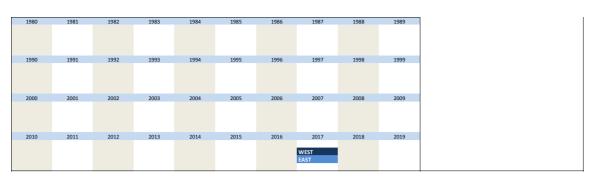




	Name		Label				Survey period	i		Survey frequency
.158)	vg_usgov_e	кр_2	new US governn	nent: expect inc	reased customs		East and West	t 02/2017		once
Vording of q	uestion									
										Further information
2/2017										
pecial question	regarding US tr	ade policy								
he new US go	vernment anno	unced a more pr	otective trade po	licy.						
. We expect th										
multiple ansv	vers possible)									
		existing custor	ms charges will b	e increased		[1]				
							_			
ime span of	variable									
1980										
	1981	1982	1983	1984	1985	1986	1987	1988	1989	
	1981	1982	1983	1984	1985	1986	1987	1988	1989	
	1981	1982	1983	1984	1985	1986	1987	1988	1989	
1990	1981	1982	1983	1984	1985	1986	1987 1997	1988	1989	
1990										
1990										
1990										
	1991	1992	1993	1994	1995	1996	1997	1998	1999	
	1991	1992	1993	1994	1995	1996	1997	1998	1999	
	1991	1992	1993	1994	1995	1996	1997	1998	1999	
2000	1991	1992 2002	1993 2003	1994 2004	1995 2005	1996	1997 2007 2017 WEST	1998 2008	1999 2009	
2000	1991	1992 2002	1993 2003	1994 2004	1995 2005	1996	1997 2007 2017	1998 2008	1999 2009	

Survey frequency vg\_usgov\_exp\_3 new US government: expect other barriers East and West 02/2017 once 3.159) Wording of question Further information 02/2017 Special question regarding US trade policy The new US government announced a more protective trade policy. We expect that...
(multiple answers possible) other trade barriers will be levied [1] Time span of variable 1982 1987 1988 1989 2003 2009 2002 2006 2000 2004 2011 2012 2013 2014 2015





	Name		Label				Survey period			Survey frequency
3.163)	vg_usgov_inf	3	new US govern	ment influence:	no US exports		East and West	02/2017		once
Wording of										
	4									Further information
02/2017										rurdier information
Special question	on regarding US tra	de policy								
The new US g	overnment annou	ınced a more p	rotective trade po	olicy.						
	oe the influence o	of this on your l	ousiness in the U	ISA?						
(multiple ans	swers possible)						_			
		We do not exp	oort to the USA			[1]				
							_			
Time span o	of variable									
1980										
	1981	1982	1983	1984	1985	1986	1987	1988	1989	
	1981	1982	1983	1984	1985	1986	1987	1988	1989	
	1981	1982	1983	1984	1985	1986	1987	1988	1989	
1990	1981	1982	1983	1984	1985	1986	1987 1997	1988	1989	
1990										
	1991	1992	1993	1994	1995	1996	1997	1998	1999	
1990										
	1991	1992	1993	1994	1995	1996	1997	1998	1999	
2000	1991	1992	1993	1994 2004	1995 2005	1996	1997 2007	1998	1999 2009	
	1991	1992	1993	1994	1995	1996	1997 2007 2017	1998	1999	
2000	1991	1992	1993	1994 2004	1995 2005	1996	1997 2007	1998	1999 2009	

J.	Ivairie		Label				Julyey period			
164)	vg_usgov_rev		new US governr	ment: revenue e	xpectations		East and West	t 02/2017		once
ording of	auestion									
rorumg or	question									
2/2017										Further information
necial guestio	on regarding US trac	te nolicy								
	overnment annou									
The revenue	es from the US-bu	siness of our co	ompany will the	refore presumal	bly					
			[1] increase							
			[2] stay the sam	ne						
			[3] decrease							
	ĺ		[3] decrease							
			[3] decrease							
	f		[3] decrease							
ime span o										
ime span o	f variable	1982	[3] decrease	1984	1985	1986	1987	1988	1989	
		1982		1984	1985	1986	1987	1988	1989	
1980	1981		1983							
		1982		1984	1985	1986	1987	1988	1989	
1980	1981		1983							
1980	1981	1992	1983	1994	1995	1996	1997	1998	1999	
1980	1981		1983							
1980	1981	1992	1983	1994	1995	1996	1997	1998	1999	
1980	1981	1992	1983	1994	1995	1996	1997	1998	1999	
1980	1981	1992	1983	1994	1995	1996	1997	1998	1999	
1980 1990 2000	1981	1992 2002	1983 1993 2003	1994	1995 2005	1996	1997 2007	1998 2008	1999 2009	

vg\_usgov\_dest

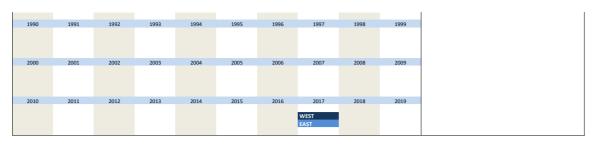
3.165)

new US government: importance as destination

East and West 02/2017

once

Community   Comm	02/2017										Further information
Companies   Comp	Importance of	the USA as trading	partner								
Company of controllor	Currently, as .	the USA are []	to us								
Company of controllor				xports							
1   1   1   1   1   1   1   1   1   1					ant						
Time: space of workship  Time: space of worksh				<del></del> -'							
Time span of variable    1992											
1980				[3] unimportan	it						
1980											
1980	Time snan o	f variable									
2000   2001   2002   2000   2004   2005   2004   2005   2004   2007   2008   2009			1002	4002	4004	4005	4000	4007	4000	4000	
2000 2001 2002 2002 2004 2004 2005 2006 2007 2008 2009  No. Name Label Survey period Survey period Survey frequency  McGing of Question  No. Name Label Survey period Fact and West (2)/2017 once  Wording of Question  Time span of variables  2000 2001 2002 2002 2003 2004 2005 2006 2006 2007 2008 2009  No. Name Label Survey reproduct the period of the p	1980	1981	1982	1983	1984	1985	1986	1987	1988	1989	
2000 2001 2002 2002 2004 2004 2005 2006 2007 2008 2009  No. Name Label Survey period Survey period Survey frequency  McGing of Question  No. Name Label Survey period Fact and West (2)/2017 once  Wording of Question  Time span of variables  2000 2001 2002 2002 2003 2004 2005 2006 2006 2007 2008 2009  No. Name Label Survey reproduct the period of the p											
2000 5012 5012 1013 5004 5015 5004 5016 2017 5004 5019 1014 5019 1	1990	1991	1992	1993	1994	1995	1996	1997	1998	1999	
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No. Name Label Survey period Survey period Survey frequency  No. Name Label Survey period Survey period Survey period Survey frequency  No. Name Label Survey frequency  No. Name Label Survey Survey frequency  No. Name Label Survey frequency  No. Name Label Survey frequency  No. Name Label Survey period Survey period  No. Name Label Survey frequency  No. Name Label Survey frequency  No. Name Label Survey period  No. Name Label Survey frequency  No. Name Label Survey period  No. Name Label Survey frequency  No. Name Label Survey period  No. Name Label Survey frequency  No. Name Label Survey period  No. Name Label Survey period  No. Name Label Survey frequency  No. Name Label Survey period  No. Name Label Survey frequency  No. Name Label Survey period  No. Name Label Survey period  No. Name Label Survey frequency  No. Name Label Survey period  No. Name Label Survey p											
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No. Name Label Survey period Survey period Survey frequency    Set and West 02/2017   Once	2010	2011	2012	2013	2014	2015	2016		2018	2019	
No. Name Label Survey period Survey period Survey frequency    Set and West 02/2017   Once								WEST			
1.14(a)   Vig. Liagov_orig											
1.14(a)   Vig. Liagov_orig	No	Namo		Lahol				Survoy pariod			Survey fraguency
Mording of question   Parties information	NO.	Name		Label				Survey periou			Survey frequency
Survey Frequency   Survey Period   Survey Frequency   Survey Frequen	3.166)	vg_usgov_ori	ig	new US govern	ment: importan	ce as origin		East and West	02/2017		once
Survey Frequency   Survey Period   Survey Frequency   Survey Frequen	Wording of	question									
Contentity, a =the USA as trading partner   Contentity, a =the U	Wording or	question									F
Survey period   Survey frequency   Survey period   Survey frequency	02/2017										Tarate mornadon
11   11   12   12   12   12   12   12											
	Currently, as .										
		or	rigin of our imp	orts							
Time span of variable  1980				[1] very importa	ant						
Time span of variable  1980											
1980 1981 1982 1983 1984 1985 1986 1987 1988 1989  1990 1991 1992 1993 1994 1995 1996 1997 1998 1999  2000 2001 2002 2003 2004 2005 2006 2007 2008 2009  2010 2011 2012 2013 2014 2015 2016 2017 2018 2019  Wast EAST  EAST  No. Name Label Survey period Survey frequency  3.167) vg_ usgov_prod new US government: importance as production location East and West 02/2017 once  Wording of question  C0/2017 importance of the USA as trading partner  Currently, asthe USA as trading partner				[2] important							
1980 1981 1982 1983 1984 1985 1986 1987 1988 1989  1990 1991 1992 1993 1994 1995 1996 1997 1998 1999  2000 2001 2002 2003 2004 2005 2006 2007 2008 2009  2010 2011 2012 2013 2014 2015 2016 2017 2018 2019  West EAST  Was Usgov_prod new US government: importance as production location and the second of the USA as trading partner  Currently, asthe USA as trading partner											
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2000 2001 2002 2003 2004 2005 2006 2007 2008 2009  2010 2011 2012 2013 2014 2015 2016 2017 2018 2019  WEST FAST  Rest  No. Name Label Survey period Survey frequency  3.167) vg_ usgov_prod new US government: importance as production location East and West 02/2017 once  Wording of question  02/2017 importance of the USA as trading partner  Currently, asthe USA are [_] to us				[3] unimportan	it					100	
2000 2001 2002 2003 2004 2005 2006 2007 2008 2009  2010 2011 2012 2013 2014 2015 2016 2017 2018 2019  WEST FAST  Rest  No. Name Label Survey period Survey frequency  3.167) vg_ usgov_prod new US government: importance as production location East and West 02/2017 once  Wording of question  02/2017 importance of the USA as trading partner  Currently, asthe USA are [_] to us			1982	[3] unimportan	it	1985	1986	1987	1988	1989	
2010 2011 2012 2013 2014 2015 2016 2017 2018 2019  WEST FAST  No. Name Label Survey period Survey frequency  3.167) vg_usgov_prod new US government: importance as production location East and West .02/2017 once  Wording of question  02/2017 Importance of the USA as trading partner  Currently, asthe USA are [_] to us  production location  [1] very important  [2] important  [3] unimportant  [3] unimportant			1982	[3] unimportan	it	1985	1986	1987	1988	1989	
2010 2011 2012 2013 2014 2015 2016 2017 2018 2019  WEST FAST  No. Name Label Survey period Survey frequency  3.167) vg_usgov_prod new US government: importance as production location East and West .02/2017 once  Wording of question  02/2017 Importance of the USA as trading partner  Currently, asthe USA are [_] to us  production location  [1] very important  [2] important  [3] unimportant  [3] unimportant	1980	1981		[3] unimportan	1984						
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No. Name Label Survey period Survey frequency  3.167) vg_ usgov_prod new US government: importance as production location  Wording of question  02/2017 Importance of the USA as trading partner  Currently, as the USA are [] to us  production location  [1] very important  [2] important  [3] unimportant  [3] unimportant  [4] very important  [5] important  [6] important  [7] important  [7] important  [8] important  [9] important  [9] important	1980	1981		[3] unimportan	1984						
No. Name Label Survey period Survey frequency  3.167) vg_ usgov_prod new US government: importance as production location  Wording of question  02/2017 Importance of the USA as trading partner  Currently, as the USA are [] to us  production location  [1] very important  [2] important  [3] unimportant  [3] unimportant  [4] very important  [5] important  [6] important  [7] important  [7] important  [8] important  [9] important  [9] important	1980	1981	1992	[3] unimportan	1984 1994	1995	1996	1997	1998	1999	
No. Name Label Survey period Survey frequency  3.167) vg_ usgov_prod new US government: importance as production location  Wording of question  02/2017 Importance of the USA as trading partner  Currently, as the USA are [] to us  production location  [1] very important  [2] important  [3] unimportant  [3] unimportant  [4] very important  [5] important  [6] important  [7] important  [7] important  [8] important  [9] important  [9] important	1980	1981	1992	[3] unimportan	1984 1994	1995	1996	1997	1998	1999	
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No. Name Label Survey period Survey frequency  3.167) Vg_usgov_prod new US government: importance as production location East and West 02/2017 once  Wording of question  02/2017 Importance of the USA as trading partner  Currently, as the USA are [] to us  production location  [1] very important  [2] important  [3] unimportant  [3] unimportant	1980 1990 2000	1981 1991 2001	1992	[3] unimportan  1983  1993  2003	1984 1994 2004	1995 2005	1996	1997 2007 2017	1998	1999 2009	
3.167) Vg_usgov_prod new US government: Importance as production location  Wording of question  02/2017  Importance of the USA as trading partner  Currently, as the USA are [] to us  production location  [1] very important  [2] important  [3] unimportant  Time span of variable	1980 1990 2000	1981 1991 2001	1992	[3] unimportan  1983  1993  2003	1984 1994 2004	1995 2005	1996	1997 2007 2017	1998	1999 2009	
3.167) Vg_usgov_prod new US government: Importance as production location  Wording of question  02/2017  Importance of the USA as trading partner  Currently, as the USA are [] to us  production location  [1] very important  [2] important  [3] unimportant  Time span of variable	1980 1990 2000	1981 1991 2001	1992	[3] unimportan  1983  1993  2003	1984 1994 2004	1995 2005	1996	1997 2007 2017	1998	1999 2009	
Wording of question  02/2017  Importance of the USA as trading partner  Currently, as the USA are [] to us  production location  [1] very important  [2] important  [3] unimportant  Time span of variable	1980 1990 2000	1981 1991 2001 2011	1992	[3] unimportan  1983  1993  2003	1984 1994 2004	1995 2005	1996	1997 2007 2017 WEST EAST	1998 2008 2018	1999 2009	Survey frequency
further information  2/2/2017  Importance of the USA as trading partner  Currently, as the USA are [] to us  production location  [1] very important  [2] important  [3] unimportant  Time span of variable	1980 1990 2000	1981 1991 2001 2011	1992	[3] unimportan  1983  1993  2003	1984 1994 2004	1995 2005	1996	1997 2007 2017 WEST EAST	1998 2008 2018	1999 2009	Survey frequency
D2/2017  Importance of the USA as trading partner  Currently, as the USA are [] to us  production location  [1] very important  [2] important  [3] unimportant  Time span of variable	1980 1990 2000	1981 1991 2001 2011	1992 2002 2012	1983 1993 2003 2013	1984 1994 2004	1995 2005 2015	1996 2006 2016	2007 2017 WEST EAST Survey period	1998 2008 2018	1999 2009	
Importance of the USA as trading partner  Currently, as the USA are [] to us  production location  [1] very important  [2] important  [3] unimportant	1980 1990 2000 2010 No.	1981 1991 2001 2011 Name vg_usgov_pro	1992 2002 2012	1983 1993 2003 2013	1984 1994 2004	1995 2005 2015	1996 2006 2016	2007 2017 WEST EAST Survey period	1998 2008 2018	1999 2009	
Currently, as the USA are [] to us  production location  [1] very important  [2] important  [3] unimportant	1980 1990 2000 2010 No.	1981 1991 2001 2011 Name vg_usgov_pro	1992 2002 2012	1983 1993 2003 2013	1984 1994 2004	1995 2005 2015	1996 2006 2016	2007 2017 WEST EAST Survey period	1998 2008 2018	1999 2009	once
production location [1] very important [2] important [3] unimportant  Time span of variable	1980  1990  2000  2010  No.  3.167)  Wording of	1981 1991 2001 2011 Name vg_usgov_pro	1992 2002 2012	1983 1993 2003 2013	1984 1994 2004	1995 2005 2015	1996 2006 2016	2007 2017 WEST EAST Survey period	1998 2008 2018	1999 2009	once
[1] very important [2] important [3] unimportant Time span of variable	1980  1990  2000  2010  No.  3.167)  Wording of	1991 2001 2011 Name vg_usgov_proquestion	1992 2002 2012	1983 1993 2003 2013	1984 1994 2004	1995 2005 2015	1996 2006 2016	2007 2017 WEST EAST Survey period	1998 2008 2018	1999 2009	once
[2] important [3] unimportant Time span of variable	1980  1990  2000  2010  No.  3.167)  Wording of  02/2017  Importance of	1981 1991 2001 2011 Name vg_usgov_production	1992 2002 2012 od	1983 1993 2003 2013	1984 1994 2004	1995 2005 2015	1996 2006 2016	2007 2017 WEST EAST Survey period	1998 2008 2018	1999 2009	once
[2] important [3] unimportant Time span of variable	1980  1990  2000  2010  No.  3.167)  Wording of  02/2017  Importance of	1981  1991  2001  2011  Name  vg_usgov_proquestion  the USA as trading	2002 2012 2012 od	1983 1993 2003 2013 Label new US govern	1984 1994 2004	1995 2005 2015	1996 2006 2016	2007 2017 WEST EAST Survey period	1998 2008 2018	1999 2009	once
[3] unimportant Time span of variable	1980  1990  2000  2010  No.  3.167)  Wording of  02/2017  Importance of	1981  1991  2001  2011  Name  vg_usgov_proquestion  the USA as trading	2002 2012 2012 od	1983 1993 2003 2013 Label new US govern	1984 1994 2004 2014	1995 2005 2015	1996 2006 2016	2007 2017 WEST EAST Survey period	1998 2008 2018	1999 2009	once
Time span of variable	1980  1990  2000  2010  No.  3.167)  Wording of  02/2017  Importance of	1981  1991  2001  2011  Name  vg_usgov_proquestion  the USA as trading	2002 2012 2012 od	1983 1993 2003 2013 Label new US govern	1984 1994 2004 2014	1995 2005 2015	1996 2006 2016	2007 2017 WEST EAST Survey period	1998 2008 2018	1999 2009	once
	1980  1990  2000  2010  No.  3.167)  Wording of  02/2017  Importance of	1981  1991  2001  2011  Name  vg_usgov_proquestion  the USA as trading	2002 2012 2012 od	1983 1993 2003 2013 Label new US govern [1] very importation [2] important	1984 1994 2004 2014	1995 2005 2015	1996 2006 2016	2007 2017 WEST EAST Survey period	1998 2008 2018	1999 2009	once
	1980  1990  2000  2010  No.  3.167)  Wording of  02/2017  Importance of	1981  1991  2001  2011  Name  vg_usgov_proquestion  the USA as trading	2002 2012 2012 od	1983 1993 2003 2013 Label new US govern [1] very importation [2] important	1984 1994 2004 2014	1995 2005 2015	1996 2006 2016	2007 2017 WEST EAST Survey period	1998 2008 2018	1999 2009	once
1980 1981 1982 1983 1984 1985 1986 1987 1988 1989	1980  1990  2000  2010  No.  3.167)  Wording of  02/2017  Importance of	1981  1991  2001  2011  Name  vg_usgov_proquestion  the USA as trading	2002 2012 2012 od	1983 1993 2003 2013 Label new US govern [1] very importation [2] important	1984 1994 2004 2014	1995 2005 2015	1996 2006 2016	2007 2017 WEST EAST Survey period	1998 2008 2018	1999 2009	once
	1980  1990  2000  2010  No.  3.167)  Wording of  02/2017  Importance of  Currently, as .	1981  1991  2001  2011  Name  vg_usgov_proquestion  the USA as trading p	2002 2012 2012 od	1983 1993 2003 2013 Label new US govern [1] very importation [2] important	1984 1994 2004 2014	1995 2005 2015	1996 2006 2016	2007 2017 WEST EAST Survey period	1998 2008 2018	1999 2009	once
	1980  1990  2000  2010  No.  3.167)  Wording of O2/2017 Importance of Currently, as .	1981  1991  2001  2011  Name  vg_usgov_pro question  the USA as trading p	2002 2012 2012 cod	1983 1993 2003 2013 Label new US govern [1] very importan [2] important [3] unimportan	1984 1994 2004 2014	2005 2015 ce as production	1996 2006 2016	2007  2017  WEST EAST  East and West	2008 2018 2017	1999 2009 2019	once
	1980  1990  2000  2010  No.  3.167)  Wording of O2/2017 Importance of Currently, as .	1981  1991  2001  2011  Name  vg_usgov_pro question  the USA as trading p	2002 2012 2012 cod	1983 1993 2003 2013 Label new US govern [1] very importan [2] important [3] unimportan	1984 1994 2004 2014	2005 2015 ce as production	1996 2006 2016	2007  2017  WEST EAST  East and West	2008 2018 2017	1999 2009 2019	once



No.	Name		Label				Survey perio	d		Survey frequency
3.168)	vg_credit2_1		credit seeking				East and Wes	t since 03/203	17	March, June, September, Decemb
Wording o	f question									
										Further information
03/2017										
credit allocat										
We had cred	dit talks with banks	during the last	3 months							
	_		_			_				
	L		[1] yes			[2] no				
_										
Time span	of variable									
1980	1981	1982	1983	1984	1985	1986	1987	1988	1989	
1990	1991	1992	1993	1994	1995	1996	1997	1998	1999	
1990	1991	1992	1993	1994	1995	1996	1997	1998	1999	
1990	1991	1992	1993	1994	1995	1996	1997	1998	1999	
1990	1991	1992	1993	1994	1995	1996	1997	1998	1999	
2000	2001	2002	2003	2004	2005	2006	2007	2008	2009	
2000	2001	2002	2003	2004	2005	2006	2007	2008	2009	

	Name		Label				Survey period	i		Survey frequency
3.169)	vg_credit2_2		credit allocatio	n			East and Wes	t since .03/201	17	March, June, September, December
									-	,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,
Wording of q	question									
03/2017 - 06/20	018									Further information
credit allocation										
	talks with banks	during the last	3 months							
	F		yes							
Banks behaved	d in these									
	[		[1] accomodatir	ng						
			[2] normal							
			[3] reserved							
	,									
Since 09/2018										
credit allocation	1									
	talks with banks	during the last	3 months							
We had credit	talks with banks	during the last	3 months							
We had credit		during the last								
We had credit		during the last	3 months	ng						
We had credit		during the last		eg						
We had credit			[1] accomodatir	eg						
We had credit			[1] accomodatir	g						
We had credit	ehaved in these		[1] accomodatir	ng						
We had credit	ehaved in these		[1] accomodatir	eg						
We had credit	ehaved in these		[1] accomodatir	1984	1985	1986	1987	1988	1989	
We had credit If yes, Banks be	chaved in these		[1] accomodatir [2] normal [3] reserved		1985	1986	1987	1988	1989	
We had credit If yes, Banks be	chaved in these		[1] accomodatir [2] normal [3] reserved		1985	1986	1987	1988	1989	
We had credit If yes, Banks be	chaved in these		[1] accomodatir [2] normal [3] reserved		1985	1986	1987	1988	1989	
We had credit If yes, Banks be	f variable	1982	[1] accomodatir [2] normal [3] reserved	1984						
We had credit  If yes, Banks be  Time span of  1980	f variable	1982	[1] accomodatir [2] normal [3] reserved 1983	1984	1995	1996	1997	1998	1999	
We had credit If yes, Banks be	f variable	1982	[1] accomodatir [2] normal [3] reserved	1984						
We had credit  If yes, Banks be  Time span of  1980	f variable	1982	[1] accomodatir [2] normal [3] reserved 1983	1984	1995	1996	1997	1998	1999	
We had credit  If yes, Banks be  Time span of  1980  1990  2000	f variable  1981  1991  2001	1982	[1] accomodatir [2] normal [3] reserved 1983 1993	1984 1994 2004	1995 2005	1996	1997 2007	1998 2008	1999 2009	
We had credit  If yes, Banks be  Time span of  1980	f variable	1982	[1] accomodatir [2] normal [3] reserved 1983	1984	1995	1996	1997 2007 2017	1998	1999	
We had credit  If yes, Banks be  Time span of  1980  1990  2000	f variable  1981  1991  2001	1982	[1] accomodatir [2] normal [3] reserved 1983 1993	1984 1994 2004	1995 2005	1996	1997 2007	1998 2008	1999 2009	

Survey period Survey frequency

No. Name Label

3.170)	vg_credit2_3		reasons for not	credit seeking			East and Wes	t since 03/201	7	March, June, September, December
Wording of o	question									
3/2017 - 06/2	2018									Further information
redit allocation	on t talks with banks	during the last	t 3 months							
	Г		[1] no need							
	[		[2] other reason	ns						
since 09/2018										
We had credit	t talks with banks	during the last	t 3 months							
f no:	r		[1] no need							
			[2] other reason	ns						
Time span o	of variable									
1980	1981	1982	1983	1984	1985	1986	1987	1988	1989	
1990	1991	1992	1993	1994	1995	1996	1997	1998	1999	
1550	1991	1332	1933	1554	1933	1330	1337	1396	1999	
					****					
2000	2001	2002	2003	2004	2005	2006	2007	2008	2009	
2010	2011	2012	2013	2014	2015	2016	2017	2018	2019	
							WEST EAST			
							_			
No.	Name									6 (
			Label				Survey period			Survey frequency
3.171)	vg_negint			confronted wit	h negative intere	est rates	Survey period  East and Wes		7	Survey frequency once
	vg_negint			confronted wit	h negative intere	est rates			7	
	vg_negint question			confronted wit	h negative intere	est rates			7	
Wording of (	vg_negint question	negative intere					East and Wes		7	once
Wording of (	vg_negint question	negative intere					East and Wes		7	once Further information
Wording of (	vg_negint question	negative intere	est rates on capit	tal contribution			East and Wes		7	once Further information
Wording of (	vg_negint question	negative intere	est rates on capit	tal contribution			East and Wes		7	once Further information
Wording of a	vg_negint question  17  Have you faced	negative intere	est rates on capit	tal contribution			East and Wes		7	once Further information
Wording of a	vg_negint question  17  Have you faced	negative intere	est rates on capit	tal contribution			East and Wes		7 7 2019	once Further information
Jun 1	vg_negint question  17 Have you faced		est rates on capit  Yes [1]	tal contribution No [2]	) by at least one	of your banks ?	East and Wes	t since 06/201		once Further information
Jun 1	vg_negint question  17 Have you faced		est rates on capit  Yes [1]	tal contribution No [2]	) by at least one	of your banks ?	East and Wes	t since 06/201		once Further information
Jun 1	vg_negint question  17 Have you faced		est rates on capit  Yes [1]	tal contribution No [2]	) by at least one	of your banks ?	East and Wes	t since 06/201		once Further information
Jun 1	vg_negint question  17 Have you faced		est rates on capit  Yes [1]	tal contribution No [2]	) by at least one	of your banks ?	East and Wes	t since 06/201		once Further information
Jun 1 Time span o	vg_negint question  17 Have you faced		est rates on capit  Yes [1]	tal contribution No [2]	) by at least one	of your banks ?	East and Wes	2018		once Further information
Jun 1  Time span o  2010	vg_negint  question  17  Have you faced  of variable  2011	2012	est rates on capit  Yes [1]  2013	No [2]	) by at least one	of your banks i	East and Wes  2017  WEST EAST	2018	2019	Once  Further information  online only
Jun 1  Firme span o  2010	vg_negint  question  17  Have you faced  of variable  2011  Name  vg_negint_noo	2012	est rates on capit  Yes [1]  2013	No [2]	by at least one	of your banks i	2017 WEST EAST	2018	2019	Once  Further information  online only  Survey frequency
Jun 1  Time span o  2010  No.  3.172)	vg_negint  question  THave you faced  of variable  2011  Name  vg_negint_no: question	2012	est rates on capit  Yes [1]  2013	No [2]	by at least one	of your banks i	2017 WEST EAST	2018	2019	Further information online only  Survey frequency once
Jun 1  Time span o  2010	vg_negint  question  17  Have you faced of variable  2011  Name  vg_negint_nor question	2012 act	Yes [1]  2013  Label	No [2]  2014	2015	of your banks:	2017 WEST EAST Survey period East and Wes	2018	2019	Further information online only  Survey frequency once
Jun 1  Fime span o  2010  No.  8.172)	vg_negint  question  17  Have you faced of variable  2011  Name  vg_negint_nor question	2012 act	est rates on capit  Yes [1]  2013	No [2]  2014	2015	of your banks:	2017 WEST EAST Survey period East and Wes	2018	2019	Further information online only  Survey frequency once
Jun 1  Time span o  2010  No.  3.172)	vg_negint  question  17  Have you faced  2011  Name  vg_negint_no: question  17  Have you faced  If Yes	2012 act	Yes [1]  2013  Label	No [2]  2014  an egative interestal contribution	2015	2016	2017 WEST EAST Survey period East and Wes	2018	2019	Once  Further information online only  Survey frequency once  Further information multiple nominations are possible
Jun 1  Time span o  2010  No.  3.172)	vg_negint  question  17  Have you faced  2011  Name  vg_negint_no: question  17  Have you faced  If Yes	2012 act	Yes [1]  2013  Label	No [2]  2014  an egative interestal contribution	2015	2016	2017 WEST EAST Survey period East and Wes	2018	2019	Once  Further information online only  Survey frequency  once  Further information multiple nominations are possible
Jun 1  Time span o  2010  No.  3.172)	vg_negint  question  17  Have you faced  2011  Name  vg_negint_no: question  17  Have you faced  If Yes	2012  act  negative interesements did you contents did yo	Yes [1]  2013  Label	No [2]  2014  an egative interestal contribution	2015	2016	2017 WEST EAST Survey period East and Wes	2018	2019	Once  Further information online only  Survey frequency  once  Further information multiple nominations are possible
Time span o 2010  No. 3.172)  Wording of o	vg_negint  question  17  Have you faced  2011  Name  vg_negint_no: question  17  Have you faced  if Yes  Which arrangement	2012  act  negative interesements did you contents did yo	Yes [1]  2013  Label  est rates on capit	No [2]  2014  an egative interestal contribution	2015	2016	2017 WEST EAST Survey period East and Wes	2018	2019	Once  Further information online only  Survey frequency  once  Further information multiple nominations are possible
Jun 1  Fime span o  2010  No.  8.172)	vg_negint  question  17  Have you faced  2011  Name  vg_negint_no: question  17  Have you faced  if Yes  Which arrangement	2012  act  negative interesements did you contents did yo	Yes [1]  2013  Label  est rates on capit	No [2]  2014  an egative interestal contribution	2015	2016	2017 WEST EAST Survey period East and Wes	2018	2019	Once  Further information online only  Survey frequency once  Further information multiple nominations are possible

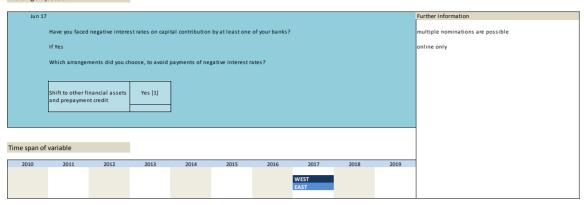
WEST EAST 2018

2012

No.	Name	Label	Survey period	Survey frequency
3.173)	vg_negint_agree	negative interest actions: bank agreemen	nts East and West since 06/2017	once
3.1/3)	AR_HERHIT_9RICE	in Bourt in Control	Edst diffu West Silice Out 2017	once
Wording of		·		
Jun 1	Have you faced negative inte	rest rates on capital contribution by at least one of your bar choose, to avoid payments of negative interest rates?  Yes [1]	nks?	Further information multiple nominations are possible online only
Time span o		<u> </u>		
2010	2011 2012	2013 2014 2015 2016	2017 2018 2019  WEST  EAST	
No.	Name	Label	Survey period	Survey frequency
3.174)	vg_negint_change	negative interest actions: change of bank	East and West since 06/2017	once
Wording of	auestion			
Jun 1				Further information
		erest rates on capital contribution by at least one of your bar	nks?	multiple nominations are possible
	If Yes			online only
	Which arrangements did you	choose, to avoid payments of negative interest rates?		
	Change to another bank, which does not require negative interest rates (yet)	Yes [1]		
Time span o	f variable			
2010	2011 2012	2013 2014 2015 2016		
			WEST EAST	
No.	Name	Label	Survey period	Survey frequency
3.175)	vg_negint_inc	negative interest actions: increase of cas	h East and West since 06/2017	once
Wording of				
Jun 1	7			Further information
	Have you faced negative inte	erest rates on capital contribution by at least one of your bar	nks?	multiple nominations are possible online only
	Which arrangements did you	choose, to avoid payments of negative interest rates?		
	Higher cash ratio	Yes [1]		
	Higher cash ratio	Yes [1]		
Time span o		Yes [1]		
Time span o		Ves [1]  2013 2014 2015 2016	2017 2018 2019	

No.	Name	Label		Survey period	Survey frequency
3.176)	vg_negint_redas		negative interest actions: redeployment in	East and West since 06/2017	once

## Wording of question

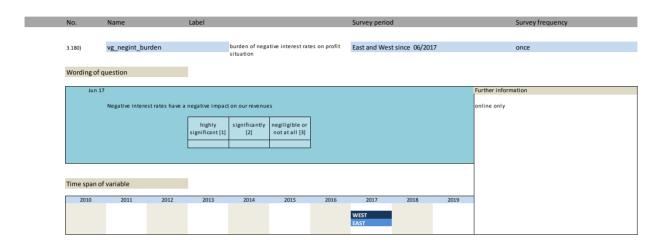


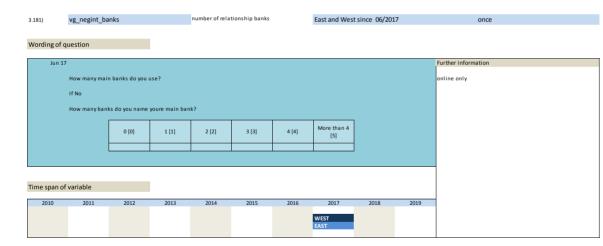
No.	Name	Label			Survey period		Survey frequency
3.177)	vg_negint_redas	int		est actions: redeployment	t of East and West	since 06/2017	once
			assets within	company			
Wording	of question						
Ju	un 17						Further information
	Have you faced ne	gative interest rates o	n capital contributio	n by at least one of your b	anks?		multiple nominations are possible
	If Yes						online only
	Which arrangemer	its did you choose, to	void payments of n	egative interest rates?			
		,,					
	Rearrangements of other segments of company		.]				
Time spa	an of variable						
2010	2011	2012 201	2014	2015 201	6 2017	2018 2	019
					WEST		
					EAST		

No.	Name		Label				Survey period			Survey frequency
3.178)	vg_negint_inv				st actions: inves litional) investm		East and West	since 06/2017		once
Wording of	question									
Jun	Have you faced r	negative interes	st rates on capi	tal contribution	by at least one o	of your banks?	,			Further information multiple nominations are possible
	If Yes Which arrangem	ents did you ch	oose, to avoid	payments of neg	gative interest ra	tes?				online only
	(Early) conductin		Yes [1]							
Time span		***	****	***		2010		****	****	
2010	2011	2012	2013	2014	2015	2016	2017 WEST EAST	2018	2019	

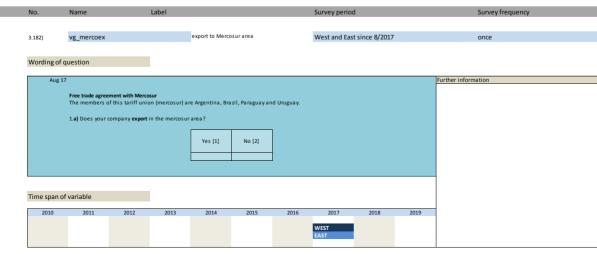
No.	Name	Label		Survey period	Survey frequency
3.179)	vg_negint_oth		negative interest actions: other	East and West since 06/2017	once
Wording of o	question				
Jun 1	7				Further information
3011 2					
3011 2	Have you faced negative inter	est rates on capi	tal contribution by at least one of your banks?		multiple nominations are possible

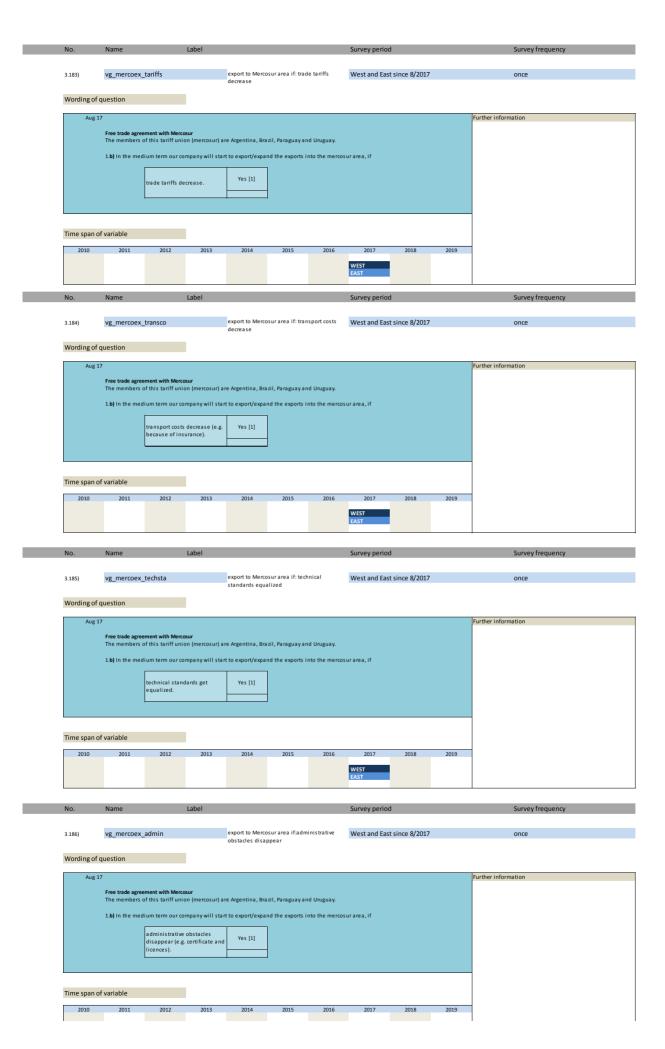


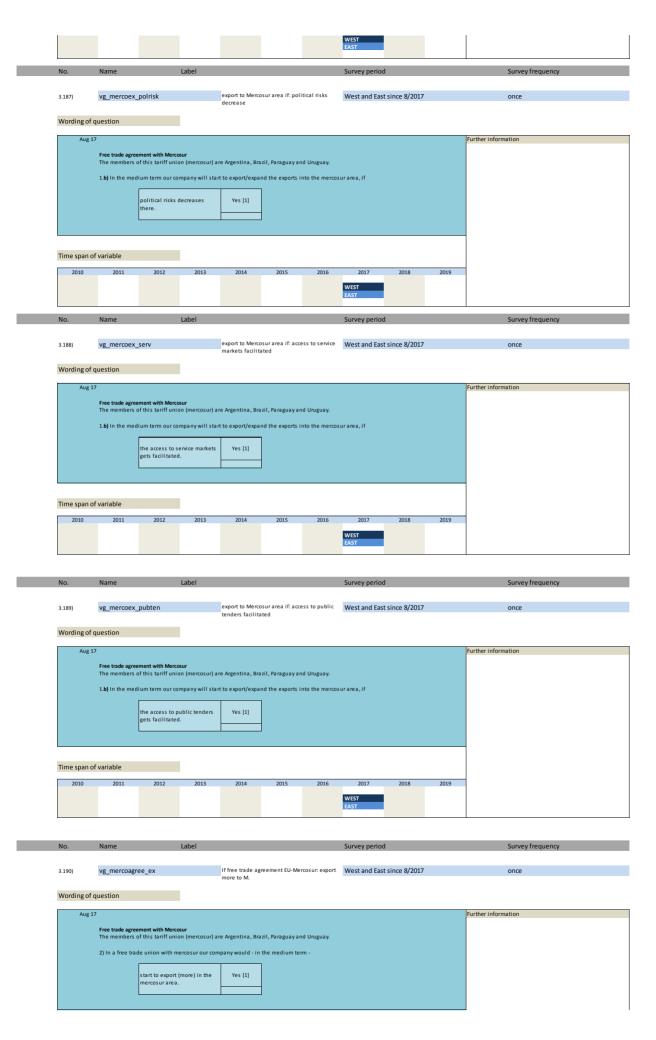


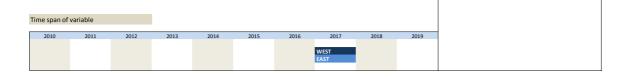


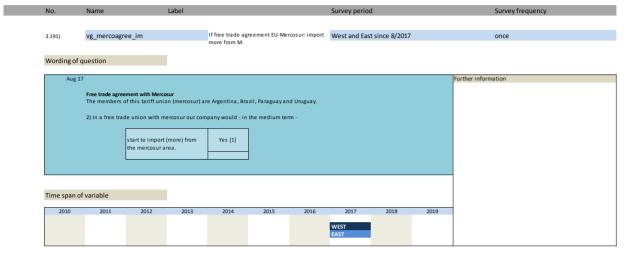
Survey period

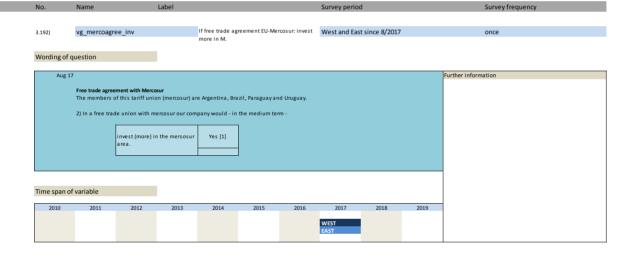












										Further information
		eement with Merco		e Argentina, Bra	zil, Paraguay aı	nd Uruguay.				
	2) In a free tr	ade union with me	ercosur our com	pany would - in	the medium te	rm -				
		face more comp (because of cor the mercosur a	mpanies from	Yes [1]						
	variable									
n of v			2013	2014	2015	2016	2017	2018	2019	
an of v	2011	2012								

If free trade agreement EU-Mercosur: more West and East since 8/2017 competition from M.

Survey period

Survey frequency

once

No.	Name	Label		Survey period	Survey frequency
3.194)	vg_mercoagree_no		If free trade agreement EU-Mercosur: no impact	West and East since 8/2017	once

Wording of question

vg\_mercoagree\_comp

3.193)

Aug 17

Free trade agreement with Mercosur

The members of this tariff union (mercosur) are Argentina, Brazil, Paraguay and Uruguay.

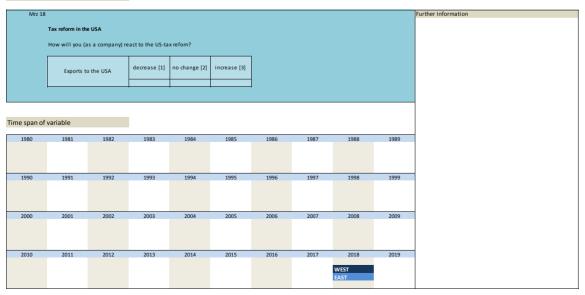
		not be affected	l.	Yes [1]						
Time span of	f variable	2012	2013	2014	2015	2016	2017	2018	2019	
							WEST EAST			
No.	Name	-	Label		-	-	Survey period	i	-	Survey frequency
3.195)	vg_ustax_sal	es		tax reform: per	entage sales in	US	East and Wes	t since 03/20:	18	once
Wording of o										
Mrz 18										Further Information
	Tax reform in th									
	What percenta	ge of your annua	al turnover com	es from the USA?	•					
Time span of	f variable									
1980	1981	1982	1983	1984	1985	1986	1987	1988	1989	
*000	100	4000	4000	400	4005	4000	400-	4000	4000	
1990	1991	1992	1993	1994	1995	1996	1997	1998	1999	
2000	2001	2002	2003	2004	2005	2006	2007	2008	2009	
2010	2011	2012	2013	2014	2015	2016	2017	2018	2019	
								WEST EAST		
	Nama		1-4-1							Committee
	Name		Label				Survey period	i		Survey frequency
3.196)	vg_ustax_cor		Label	tax reform: com	petition with U	S-companies		i	18	Survey frequency once
3.196) Wording of c	vg_ustax_con		Label	tax reform: com	petition with U	5-companies	Survey period	i	18	once
3.196)	vg_ustax_con	mpetition	Label	tax reform: com	petition with U:	S-companies	Survey period	i	18	
3.196) Wording of c	vg_ustax_cor question 8 Tax reform in th	mpetition ne USA		tax reform: com		5-companies	Survey period	i	18	once
No. 3.196) Wording of C	vg_ustax_cor question 8 Tax reform in th	mpetition ne USA				S-companies	Survey period	i	18	once
3.196) Wording of c	vg_ustax_cor question 8 Tax reform in th	mpetition  we USA r company compe	ete with compa	nies from the US	A?	S-companies	Survey period	i	18	once
Mording of 6	vg_ustax_cor question 8 Tax reform in th How does your	mpetition  we USA r company compe	ete with compa	nies from the US	A?	S-companies	Survey period	i	18	once
Mording of 6	vg_ustax_cor question 8 Tax reform in th How does your	mpetition  we USA r company compe	ete with compa	nies from the US	A?	5-companies	Survey period	i	1989	once
Mording of c	vg_ustax_cor question 8 Tax reform in th How does your	ne USA r company compe strong [1]	ete with compa medium [2]	nies from the US weak [3]	A? none [4]		Survey period	I since 03/20:		once
Mording of c	vg_ustax_cor question 8 Tax reform in th How does your	ne USA r company compe strong [1]	ete with compa medium [2]	nies from the US weak [3]	A? none [4]		Survey period	I since 03/20:		once
Mrz 18  Mrz 18  Fime span of	vg_ustax_cor question 8 Tax reform in th How does your f variable 1981	se USA  strong [1]  1982	medium [2]	nies from the US  weak [3]  1984	none [4]  1985	1986	East and Wes  1987	1 t since 03/203	1989	once
Mrz 18 Mrz 18	vg_ustax_cor question 8 Tax reform in th How does your f variable	mpetition  we USA  company compe  strong [1]	medium [2]	weak [3]	none [4]	1986	Survey period East and Wes	t since 03/20:	1989	once
Mrz 18  Filme span of 1980  1990	vg_ustax_cor question 8 Tax reform in th How does your f variable 1981 1991	strong [1]  1982  2002	medium [2]  1983  1993	1984 1994	none [4]  1985  1995	1986	East and Wes  1987  1997	1 t since 03/202	1989	once
Mrz 18  Mrz 18  Fime span of	vg_ustax_cor question 8 Tax reform in th How does your f variable 1981	se USA  strong [1]  1982	medium [2]	nies from the US  weak [3]  1984	none [4]  1985	1986	East and Wess  1987  1997  2007	1988 1998 2008	1989	once
Mrz 18  Filme span of 1980  1990	vg_ustax_cor question 8 Tax reform in th How does your f variable 1981 1991	strong [1]  1982  2002	medium [2]  1983  1993	1984 1994	none [4]  1985  1995	1986	East and Wess  1987  1997  2007	1 t since 03/202	1989	once
Mrz 18  Filme span of 1980  1990	vg_ustax_cor question 8 Tax reform in th How does your f variable 1981 1991	strong [1]  1982  2002	medium [2]  1983  1993	1984 1994	none [4]  1985  1995	1986	East and Wess  1987  1997  2007	1988 1998 2008 WEST EAST	1989	once
Mrz 18  Mrz 18  Filme span of 1980  1990  2000	vg_ustax_cor question 8 Tax reform in th How does your f variable 1981 1991 2001	strong [1]  1982  2002	medium [2]  1983  1993  2003	1984 1994 2004	none [4]  1985  1995	1986 1996 2006	1987 1997 2007	1988 1998 2008 WEST EAST	1989 1999 2009	Further Information
Mrz 18  Mrz 18  Filme span of 1980  2000  2010	vg_ustax_cor  question  8  Tax reform in th How does your  f variable  1981  2001  2011  Name  vg_ustax_sho	strong [1]  1982  2002	medium [2]  1983  1993  2003	1984 1994 2004	1985 1995 2005	1986 1996 2006	Survey period East and Wes  1987  1997  2007  Survey period	1988 1998 2008 WEST EAST	1989 1999 2009	Further Information  Survey frequency
1.196)  Wording of c  Mrz 18  Fime span ol  1980  2000  2010	vg_ustax_cor  question  8  Tax reform in th  How does your  1981  1991  2001  2011  Name  vg_ustax_sho	strong [1]  1982  2002  2012	medium [2]  1983  1993  2003	1984 1994 2004	1985 1995 2005	1986 1996 2006	Survey period East and Wes  1987  1997  2007  Survey period	1988 1998 2008 WEST EAST	1989 1999 2009	Further Information  Survey frequency

	short	term	decrease [1]	[2]	increase [3]				
Time span of									
1980	1981	1982	1983	1984	1985	1986	1987	1988	1989
1990	1991	1992	1993	1994	1995	1996	1997	1998	1999
2000	2001	2002	2003	2004	2005	2006	2007	2008	2009
2010	2011	2012	2013	2014	2015	2016	2017	2018 WEST EAST	2019

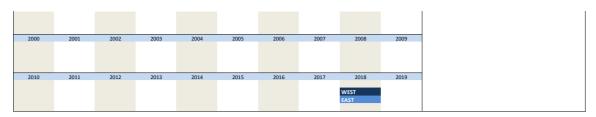
No.	Name		Label				Survey perio	od		Survey frequency
3.198)	vg_ustax_lon	gterm		tax reform: tax i	ourden long term	n	East and We	st since 03/20	18	once
Wording of	fquestion									
Mrz	18 Tax reform in the	» USA								Further Information
			ourden of your co	mpany will on t	he					
	long	term	decrease [1]	stay the same [2]	increase [3]					
Time span	of variable									
Time span	of variable	1982	1983	1984	1985	1986	1987	1988	1989	
		1982	1983	1984	1985	1986	1987	1988	1989	
		1982	1983	1984	1985	1986	1987	1988	1989	
1980	1981	1992	1993	1994	1995	1996	1997	1998	1999	
1980	1981									
1980	1981	1992	1993 2003	1994 2004	1995 2005	1996	1997 2007	1998 2008	1999 2009	
1980	1981	1992	1993	1994	1995	1996	1997	1998	1999	

No.	Name	Label		Survey period	Survey frequency
3.199)	vg_ustax_export		tax reform: reaction export	East and West since 03/2018	once

# Wording of question



No.	Name		Label				Survey perio	d		Survey frequency
3.200)	vg_ustax_imp	port		tax reform: read	tion import		East and We	st since 03/201	8	once
Wording of	question									
Mrz 1										Further Information
	Tax reform in th	e USA								
	How will you (a	as a company) r	eact to the US-ta	x refom?						
	Imports fro	om the USA	decrease [1]	no change [2]	increase [3]					
Time span o	of variable									
1980	1981	1982	1983	1984	1985	1986	1987	1988	1989	
1990	1991	1992	1993	1994	1995	1996	1997	1998	1999	
2000	2001	2002	2003	2004	2005	2006	2007	2008	2009	
2010	2011	2012	2013	2014	2015	2016	2017	2018	2019	
								WEST EAST		
No.	Name		Label				Survey perio			Survey frequency
3.201)	vg_ustax_inv	us		tax reform: read	tion investment	t in US	East and We	st since 03/201	8	once
Wording of	question									
Mrz 1	18									Further Information
	Tou reform in th	a LICA								
	Tax reform in the		eact to the US-ta	ıx refom?						
	How will you (a	as a company) r			increase [3]					
		as a company) r	decrease [1]	no change [2]	increase [3]					
	How will you (a	as a company) r			increase [3]					
Time span o	How will you (a	is a company) r	decrease [1]	no change [2]						
Time span o	How will you (a	as a company) r			increase [3]	1986	1987	1988	1989	
1980	Investmen  of variable	is a company) r	decrease [1]	no change [2]	1985					
	How will you (a	is a company) r	decrease [1]	no change [2]		1986	1987	1988	1989	
1980	Investmen  of variable  1981	is a company) retire to the US	1983 1993	no change [2]	1985	1996	1997	1998	1999	
1980	Investmen  of variable	is a company) r	decrease [1]	no change [2]	1985					
1980	Investmen  of variable  1981	is a company) retire to the US	1983 1993	no change [2]	1985	1996	1997	1998	1999	
1980	Investmen  of variable  1981  2001	1982 1992 2002	1983 1993 2003	1984 1994 2004	1985 1995 2005	1996	1997 2007	1998 2008	1999	
1980	Investmen  of variable  1981  2001	1982 1992 2002	1983 1993 2003	1984 1994 2004	1985 1995 2005	1996	1997 2007	1998 2008 2018	1999	
1980	Investmen  of variable  1981  2001	1982 1992 2002	1983 1993 2003	1984 1994 2004	1985 1995 2005	1996	1997 2007	1998 2008 2018 WEST EAST	1999	Survey frequency
1980 1990 2000	Investmen  of variable  1981  2001	1982 1992 2002	1983 1993 2003	1984 1994 2004	1985 1995 2005 2015	1996 2006	2007 2017 Survey perio	1998 2008 2018 WEST EAST	1999 2009 2019	Survey frequency once
1980 1990 2000 2010	Investmen  of variable  1981  2001  Name  vg_ustax_inv	1982 1992 2002	1983 1993 2003	1984 1994 2004	1985 1995 2005 2015	1996 2006 2016	2007 2017 Survey perio	1998 2008 2018 WEST EAST	1999 2009 2019	
1980 1990 2000 2010 No.	Investmen  of variable  1981  2001  Name  vg_ustax_inv. question	1982 1992 2002	1983 1993 2003	1984 1994 2004	1985 1995 2005 2015	1996 2006 2016	2007 2017 Survey perio	1998 2008 2018 WEST EAST	1999 2009 2019	
1980 1990 2000 2010 No. 3.202)	Investmen  of variable  1981  2001  Name  vg_ustax_inv.  question  18  Tax reform in the	1982 1992 2002 2012	1983 1993 2003 Label	1984 1994 2004 2014 tax reform: reac	1985 1995 2005 2015	1996 2006 2016	2007 2017 Survey perio	1998 2008 2018 WEST EAST	1999 2009 2019	once
1980 1990 2000 2010 No. 3.202)	Investmen  of variable  1981  2001  Name  vg_ustax_inv.  question  18  Tax reform in the	1982 1992 2002 2012	1983 1993 2003	1984 1994 2004 2014 tax reform: reac	1985 1995 2005 2015	1996 2006 2016	2007 2017 Survey perio	1998 2008 2018 WEST EAST	1999 2009 2019	once
1980 1990 2000 2010 No. 3.202)	Investmen  of variable  1981  1991  2001  Name  vg_ustax_inv, question  18  Tax reform in the	1982 1992 2002 2012	1983 1993 2003 Label	1984 1994 2004 2014 tax reform: reac	1985 1995 2005 2015	1996 2006 2016	2007 2017 Survey perio	1998 2008 2018 WEST EAST	1999 2009 2019	once
1980 1990 2000 2010 No. 3.202)	Investmen  of variable  1981  1991  2001  Name  vg_ustax_inv, question  18  Tax reform in the	1982  1992  2002  2012  ger	1983 1993 2003 2013 Label	1984 1994 2004 2014 tax reform: reac	1985 1995 2005 2015	1996 2006 2016	2007 2017 Survey perio	1998 2008 2018 WEST EAST	1999 2009 2019	once
1980  1990  2000  2010  No.  3.202)  Wording of (	Investment  Investment	1982  1992  2002  2012  ger	1983 1993 2003 2013 Label	1984 1994 2004 2014 tax reform: reac	1985 1995 2005 2015	1996 2006 2016	2007 2017 Survey perio	1998 2008 2018 WEST EAST	1999 2009 2019	once
1980 1990 2000 2010 No. 3.202)	Investment  Investment	1982  1992  2002  2012  ger	1983 1993 2003 2013 Label	1984 1994 2004 2014 tax reform: reac	1985 1995 2005 2015	1996 2006 2016	2007 2017 Survey perio	1998 2008 2018 WEST EAST	1999 2009 2019	once
1990 2000 2010 No. 3.202) Wording of o	Investment  Investment	1982  1992  2002  2012  2012  in Germany	1983 1993 2003 2013 Label decrease [1]	1984 1994 2004 2014 tax reform: read	1985 1995 2005 2005 2015	1996  2006  2016	2007 2017 Survey period East and Wes	2008 2008 2018 WEST EAST d	1999 2009 2019	once

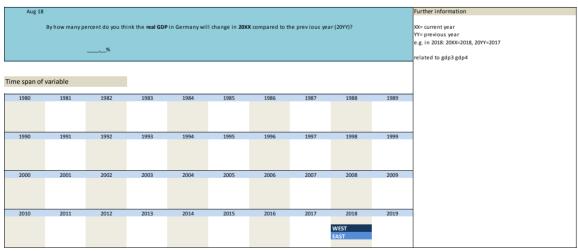


No.	Name		Label				Survey perio	d		Survey frequency
3.203)	vg_ustax_inte	elprop		tax reform: relo	cation of intell	ectual property	East and Wes	st since 03/202	18	once
Wording of										
wording of	question									
Mrz	18									Further Information
	Tax reform in the	e USA								online only!
	Will your compa	any shift intelle	ctual property	patents, brands,	, copyrights etc.	) in the USA due	to the US-Tax re	eform?		onnie only:
	ſ			1						
		Yes [1]	No [2]							
				}						
Time span	of variable									
		1982	1983	1984	1985	1986	1987	1988	1989	
Time span o	of variable	1982	1983	1984	1985	1986	1987	1988	1989	
		1982	1983	1984	1985	1986	1987	1988	1989	
		1982	1983	1984	1985	1986	1987	1988	1989	
		1982	1983	1984	1985	1986	1987	1988	1989	
1980	1981									
1980	1981									
1980	1981									

No.	Name	Label		Survey period	Survey frequency
3.204)	vg_gdp1		real gdp: % change comp. last year	West and East 08/2018	once

WEST

## Wording of question



No.	Name		Label				Survey period	Survey frequency
.205)	vg_gdp2			impact econom	ic development	on buisness	West and East 08/2018	once
				situation				
Vording	of question							
A	ug 18	nt is the general e	conomic davelon	ment in Germany	for your huis ne	es situation?		Further information
	How importai	nt is the <b>general e</b> e	conomic developr	nent in Germany	for your buisne	ss situation?		
		very important [1]	important [2]	not as important [3]	less important [4]	un-important [5]		
ime sna	an of variable							

1980	1981	1982	1983	1984	1985	1986	1987	1988	1989
1990	1991	1992	1993	1994	1995	1996	1997	1998	1999
2000	2001	2002	2003	2004	2005	2006	2007	2008	2009
2010	2011	2012	2013	2014	2015	2016	2017	2018 WEST EAST	2019

No.	Name		Label				Survey perio	d		Survey frequency
3.206)	vg_extserv_it				sses by externa	I service	West and Eas	it 08/2018		once
				provider: IT						
Wording	of question									
Auj	g 18									Further information
	Do external servi									
	Please base you	ur informations	on the overall budget of the relevant division.							
			to 25% [1]	to 50% [2]	to 75% [3]	to 100% [4]	No [5]			
			10 25% [1]	10 30% [2]	10 /5% [5]	10 100% [4]	NO [5]			
	IT									
	IT									
Time span	n of variable									
Time span		1982	1983	1984	1985	1986	1987	1988	1989	
	n of variable	1982	1983	1984	1985	1986	1987	1988	1989	
	n of variable	1982	1983	1984	1985	1986	1987	1988	1989	

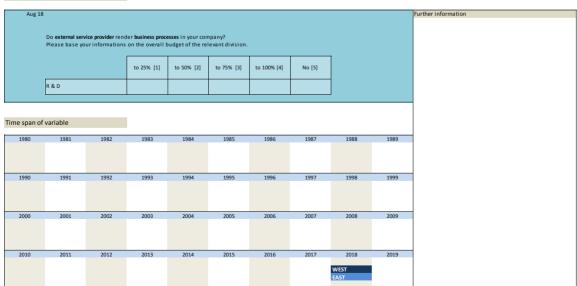
No.	Name	Label		Survey period	Survey frequency
3.207)	vg_extserv_rd		business processes by external service	West and East 08/2018	once

WEST EAST

2011 2012 2013 2014 2015 2016 2017

## Wording of question

2010

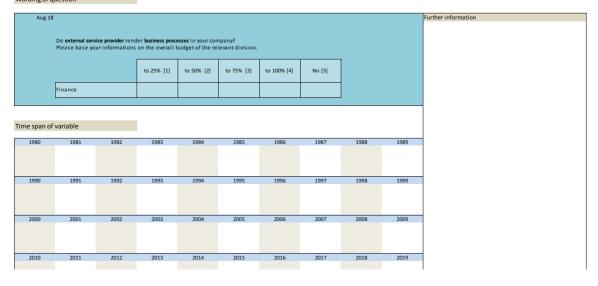


	No.	Name	Label		Survey period	Survey frequency
	3.208)	vg_extserv_pur		business processes by external service	West and East 08/2018	once
				provider: purchase		
	Wording of q	uestion				
Í	Aug 18					Further information

	Do external service provider render business processes in your company? Please base your informations on the overall budget of the relevant division.											
			to 25% [1]	to 50% [2]	to 75% [3]	to 100% [4]	No [5]					
	Purchase											
Time span of	variable											
1980	1981	1982	1983	1984	1985	1986	1987	1988	1989			
1990	1991	1992	1993	1994	1995	1996	1997	1998	1999			
2000	2001	2002	2003	2004	2005	2006	2007	2008	2009			
2010	2011	2012	2013	2014	2015	2016	2017	2018 WEST EAST	2019			

No.	Name		Label				Survey perio	d		Survey frequency
3.209)	vg_extserv_m	ark		business proce provider: marke	sses by externa	l service	West and Eas	st 08/2018		once
Wording of	question									
Aug 1	18									Further information
	Do external servi	ice provider ren	der business proce	esses in your con	npany?					
	riease base you	ar imormations	on the overall t	Judget of the rei	ievani division.			_		
			to 25% [1]	to 50% [2]	to 75% [3]	to 100% [4]	No [5]			
	Marketing									
			l					='		
Time span c										
Time span o	of variable	1982	1983	1984	1985	1986	1987	1988	1989	
		1982	1983	1984	1985	1986	1987	1988	1989	
	1981			1984	1985	1986		1988	1989	
		1982	1983	1984	1985	1986	1987	1988	1989	
1980	1981									
1980	1981									
1980	1981									
1980	1981	1992	1993	1994	1995	1996	1997	1998	1999	
1980	1981	1992	1993	1994	1995	1996	1997	1998	1999	
1980	1981	1992	1993	1994	1995	1996	1997	1998	1999	
1980	1981	1992	1993	1994 2004	1995	1996 2006	1997	1998	1999 2009	

No.	Name	Label		Survey period	Survey frequency
3.210)	vg_extserv_fin			West and East 08/2018	once
			provider: finance		



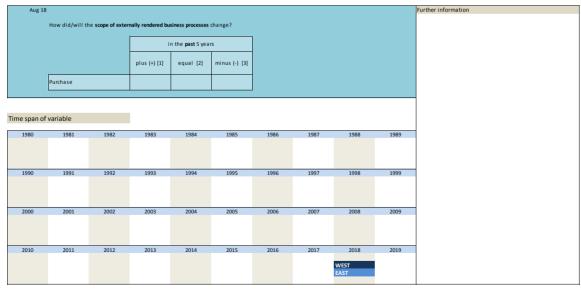
Survey period Survey frequency business processes by external service provider: employees West and East 08/2018 3.211) vg\_extserv\_empl once Wording of question Further information Aug 18 to 100% [4] No [5] to 25% [1] to 50% [2] to 75% [3] Employees Time span of variable 1980 1981 1983 1986 1987 1988 1989 1991 1992 1998 1999 1990 2010 2012 WEST EAST Survey period Survey frequency business processes by external service provider: logistics 3.212) vg\_extserv\_log West and East 08/2018 once Wording of question Aug 18 Further information Do external service provider render business processes in your company? Please base your informations on the overall budget of the relevant division. to 50% [2] to 25% [1] to 75% [3] to 100% [4] No [5] Logistics Time span of variable 1980 1981 1986 1987 1982 1988 1989 1983 1984 1985 2002 2019 2011 2012 2016 2010 2014 2018 WEST Survey frequency business proc. by external serv. prov. -scope apst 5 years: IT West and East 08/2018 vg\_extserv\_py\_it 3.213) once Wording of question Aug 18 How did/will the scope of externally rendered business processes change? in the past 5 years plus (+) [1] equal [2] minus (-) [3] Time span of variable 1982

									1
1990	1991	1992	1993	1994	1995	1996	1997	1998	1999
2000	2001	2002	2003	2004	2005	2006	2007	2008	2009
2010	2011	2012	2013	2014	2015	2016	2017	2018	2019
								WEST	
								EAST	

No.	Name	Label		Survey period	Survey frequency
3.214)	vg_extserv_py_rd		business proc. by external serv. provscope past 5 years: R&D	West and East 08/2018	once

Aug 18	}								
	How did/will th	ne scope of exter	nally rendered bu	siness processes	change?				
			i	n the <b>past</b> 5 year	rs				
			plus (+) [1]	equal [2]	minus (-) [3]				
	R & D								
Time span of	variable								
1980	1981	1982	1983	1984	1985	1986	1987	1988	1989
1990	1991	1992	1993	1994	1995	1996	1997	1998	1999
2000	2001	2002	2003	2004	2005	2006	2007	2008	2009
2000	2001	2002	2003	2004	2003	2000	2007	2008	2003
2010	2011	2012	2013	2014	2015	2016	2017	2018	2019
								WEST	
								EAST	

No.	Name	Label		Survey period	Survey frequency
			la de la companya de		
3.215)	vg_extserv_py_pur		business proc. by external serv. provscope	West and East 08/2018	once
			past 5 years: purchase		



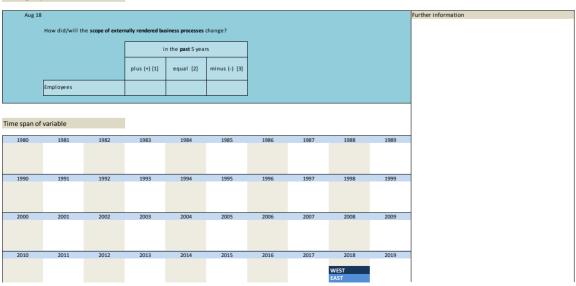
No.	Name	Label		Survey period	Survey frequency
3.216)	vg_extserv_py_mark		business proc. by external serv. provscope past 5 years: marketing	West and East 08/2018	once
Wording of o	question				

Aug 18	Further information
How did/will the scope of externally rendered business processes change?	

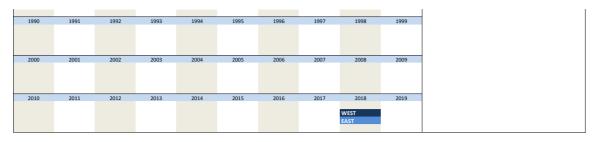
			ir	the <b>past</b> 5 yea	rs				
			plus (+) [1]	equal [2]	minus (-) [3]				
	Marketing								
ime span of	variable								
1980	1981	1982	1983	1984	1985	1986	1987	1988	1989
1990	1991	1992	1993	1994	1995	1996	1997	1998	1999
2000	2001	2002	2003	2004	2005	2006	2007	2008	2009
2010	2011	2012	2013	2014	2015	2016	2017	2018	2019
								WEST EAST	

No.	Name		Label				Survey perio	oa		Survey frequency
.217)	vg_extserv_p	y_fin			. by external serv	. provscope	West and Ea	st 08/2018		once
				past 5 years: fi	nance					
Vording of	f question									
	4									
Aug	18									Further information
	How did/will to	ne scope of exte	ernally rendered bu	siness processes	change?					
				n the <b>past</b> 5 yea	rs					
			plus (+) [1]	equal [2]	minus (-) [3]					
	Finance									
Time span	of variable									
1980	1981	1982	1983	1984	1985	1986	1987	1988	1989	
1990	1991	1992	1993	1994	1995	1996	1997	1998	1999	
2000	2001	2002	2003	2004	2005	2006	2007	2008	2009	
2000	2001	2002	2003	2004	2005	2000	2007	2008	2009	
2010	2011	2012	2013	2014	2015	2016	2017	2018	2019	
								WEST		
								EAST		

No.	Name	Label	Survey period	Survey frequency
3.218)	vg_extserv_py_empl		rnal serv. provscope West and East 08/2018	once
		past 5 years; employee	S	

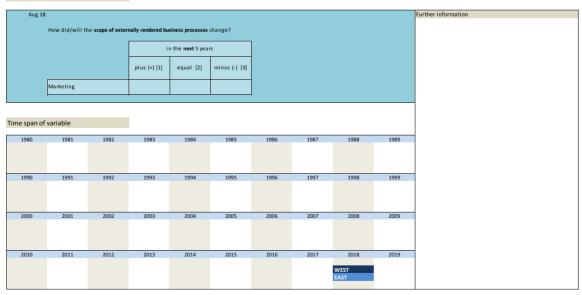


No.	Name		Label				Survey perio	ıd		Survey frequency
NO.	Name		Label				Survey perio	lu		Survey frequency
3.219)	vg_extserv_p	y_log		business proc. past 5 years: lo	by external serv ogistics	. provscope	West and Ea	st 08/2018		once
Wording of	question									
Aug	18									Further information
	How did/will th	ne scope of exter	nally rendered b	usiness processes	change?					
				in the <b>past</b> 5 yea	rs					
			plus (+) [1]	equal [2]	minus (-) [3]					
	Logistics									
						J				
Time span	of variable									
1980	1981	1982	1983	1984	1985	1986	1987	1988	1989	
1990	1991	1992	1993	1994	1995	1996	1997	1998	1999	
2000	2001	2002	2003	2004	2005	2006	2007	2008	2009	
2010	2011	2012	2013	2014	2015	2016	2017	2018	2019	
								WEST		
								EAST		
No.	Name		Label				Survey perio	ıd		Survey frequency
.220)	vg_extserv_n	ıy_it		next 5 years: IT	by external serv	. provscope	West and Ea	st 08/2018		once
Wording of	question									
Aug	18									Further information
	How did/will th	he scope of exten	nally rendered b	usiness processes	change?	1				
			-	in the <b>next</b> 5 yea	rs					
			plus (+) [1]	equal [2]	minus (-) [3]					
	IT									
Time span										
1980	1981	1982	1983	1984	1985	1986	1987	1988	1989	
1990	1991	1992	1993	1994	1995	1996	1997	1998	1999	
2000	2001	2002	2003	2004	2005	2006	2007	2008	2009	
2010	2011	2012	2013	2014	2015	2016	2017	2018	2019	
								WEST EAST		
No.	Name		Label				Survey perio	d		Survey frequency
3.221)	vg_extserv_n	ıy_rd			by external serv	. provs cope	West and Ea	st 08/2018		once
				next 5 years: Ri	&D					
Wording of										
Aug		no scope of autor	nally randared by	usiness processes	change?					Further information
	now dra/wiii d	ne scope of exten				1				
				in the next 5 yea						
			plus (+) [1]	equal [2]	minus (-) [3]					
	R & D									
Time span										
1980	1981	1982	1983	1984	1985	1986	1987	1988	1989	



	Name		Label				Survey perio	od		Survey frequency	
222)	vg_extserv_n	y_pur		business proc. next 5 years: pr	by external serv.	provscope	West and Ea	st 08/2018		once	
				next 3 years. p	arcinase						
ording of	question										
Aug 1	18									Further information	
	How did/will th	ne scope of exter	nally rendered but	siness processes	change?						
			ir	n the <b>next</b> 5 yea	rs						
			plus (+) [1]	equal [2]	minus (-) [3]						
	Purchase										
me span c	of variable										
me span o	of variable	1982	1983	1984	1985	1986	1987	1988	1989		
		1982	1983	1984	1985	1986	1987	1988	1989		
		1982	1983	1984	1985	1986	1987	1988	1989		
		1982	1983 1993	1984	1985 1995	1986	1987 1997	1988	1989		
1980	1981										
1980	1981										
1980	1981										
1980	1981 1991	1992	1993	1994	1995	1996	1997	1998	1999		
1980	1981 1991	1992	1993	1994	1995	1996	1997	1998	1999		
1980	1981 1991	1992	1993	1994	1995	1996	1997	1998	1999		
1980	1981	1992 2002	1993 2003	1994 2004	1995 2005	1996	1997	1998 2008 2018 WEST	1999 2009		
1980	1981	1992 2002	1993 2003	1994 2004	1995 2005	1996	1997	1998 2008	1999 2009		

IVO.	Ivaille	Lauci		Survey periou	Julyey frequency
3.223)	vg_extserv_ny_mark		business proc. by external serv. provscope	West and East 08/2018	once
3.223)	VB_CXCCTV_TTY_TTIGTTC			WC3t and East 00/2010	Office
			next 5 years: marketing		

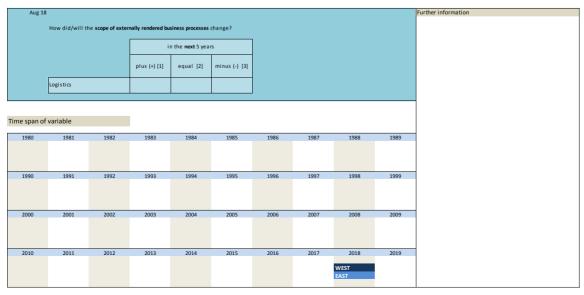


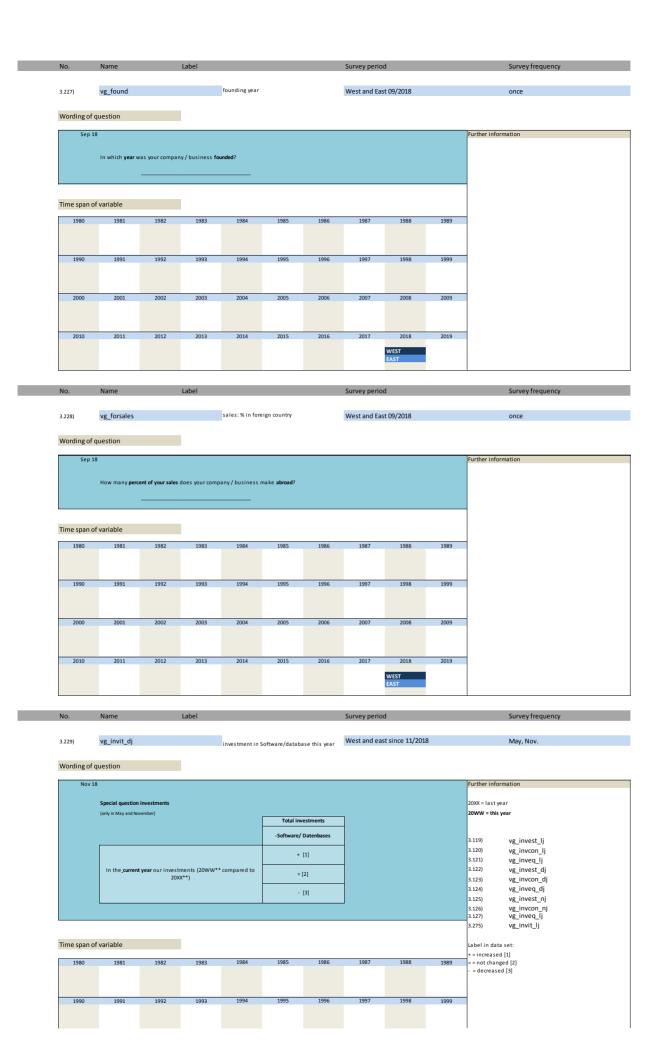
No.	Name	Label	Survey period	Survey frequency
3.224)	vg_extserv_ny_fin	business proc. by external serv. provscope	West and East 08/2018	once
		next 5 years: finance		
Wording o	f question			
Aug	18			Further information
	How did/will the scope of ex	ternally rendered business processes change?		
		in the west Fugers		

				i tile <b>liext</b> J year	3				
			plus (+) [1]	equal [2]	minus (-) [3]				
	Finance								
						•			
Time span of	variable								
1980	1981	1982	1983	1984	1985	1986	1987	1988	1989
1990	1991	1992	1993	1994	1995	1996	1997	1998	1999
2000	2001	2002	2003	2004	2005	2006	2007	2008	2009
2010	2011	2012	2013	2014	2015	2016	2017	2018	2019
2310		2322	2.13	2024		2320			
								WEST EAST	

No.	Name		Label				Survey perio	d		Survey frequency
3.225)	vg_extserv_n	v emnl		husiness proc	. by external serv	nrovscope	West and Eas	rt 08/2018		once
3.2231	vg_cxtscIV_II	y_cmpi		next 5 years: e		. p. 34. 3cope	TVEST and Edi	31 00/ 2010		Office
Wording of	question									
wordingor	question									
Aug :	18									Further information
	How did/will th	ne scope of exter	rnally rendered bu	siness processes	change?					
				n the <b>next</b> 5 yea						
				п те пексо уеа	13					
			plus (+) [1]	equal [2]	minus (-) [3]					
	Employees									
	Emproyees									
Time span	of variable									
1980	1981	1982	1983	1984	1985	1986	1987	1988	1989	
1990	1991	1992	1993	1994	1995	1996	1997	1998	1999	
2000	2001	2002	2003	2004	2005	2006	2007	2008	2009	
2010	2011	2012	2013	2014	2015	2016	2017	2018	2019	
								WEST		
								EAST		

3.226) vg_extserv_ny_log business proc. by external serv. provscope West and East 08/2018 once	No.	Name	Label	Survey period	Survey frequency
vg extsery ny log husiness proc hyexternal sery proy -scope Wost and Eact 09/2019					
next 5 years: logistics	3.226)	vg_extserv_ny_log		West and East 08/2018	once

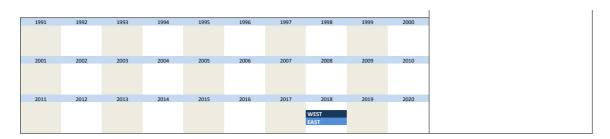




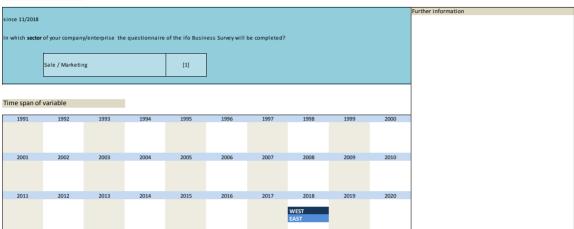


Survey period Survey frequency investment in Software/database next year West and east since 11/2018 vg\_invit\_nj Wording of question Nov 18 Further information 20YY = next 20WW = this year Total investments -Software/ Date vg\_invest\_lj vg\_invcon\_lj 3.119) 3.120) + [1] 3.121) vg\_inveq\_lj vg\_invest\_dj vg\_invcon\_dj 3.122) Next year our investments will likely be (20YY\*\* compared to 20WW\*\*) = [2] 3.123) vg\_inveq\_dj vg\_invest\_nj 3.124) - [3] 3.125) 3.126) 3.127) vg\_invcon\_nj vg\_inveq\_lj 3.275) vg\_invit\_lj Time span of variable Lahel in data set = increased [1] = = not changed [2] - = decreased [3] 1995 1998 1991 1992 1993 1994 1996 1990 2005 2004 2006 2007 2008 2012 Survey frequency No. Name Label Survey period West East 11/2018 3.231) vg\_sec\_management once sector - questionnaire completed in: management Wording of question Further information management [1] Time span of variable 1991 1992 1993 1997 1998 1999 1995 2002 2010 2012 2014 2016 2018 2020 2011 2013 2015 2019 WEST No. Name Label Survey period Survey frequency vg\_sec\_controlling sector - questionnaire completed in: controlling West East 11/2018 3.232) once Wording of question Further information nance / Controlling / Accounting [1]

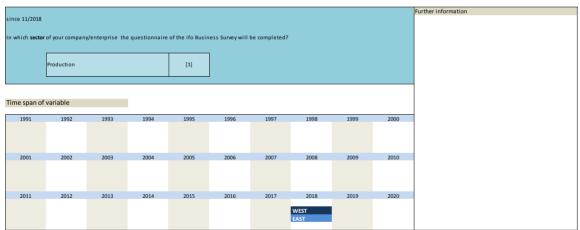
Time span of variable



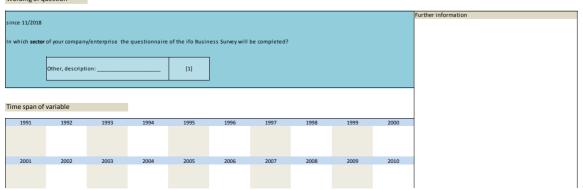
No.	Name	Label	Survey period	Survey frequency
3.233)	vg_sec_marketing	sector - questionnaire completed in: marketing	West East 11/2018	once
Wording	of question			



No.	Name	Label	Survey period	Survey frequency
3.234)	vg_sec_production	sector - questionnaire completed in: production	West East 11/2018	once



No.	Name	Label	Survey period	Survey frequency
3.235)	vg_sec_other	sector - questionnaire completed in: other	West East 11/2018	once





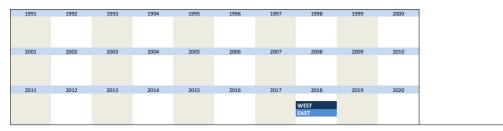
Survey frequency vg\_sec\_other\_descr West East 11/2018 sector - questionnaire completed in: other description Wording of question Further information since 11/2018 These comments are not part of the KT-Dataset. For access In which sector of your company/enterprise the questionnaire of the ifo Business Survey will be completed? they have to be requested at EBDC, seperately. Other description: Time span of variable 2001 2002 2003 2012 2014 2016 2020 2011 2013 2015 2017 2018 2019 WEST Survey frequency 3.237) vg\_pos\_director position - questionnaire completed by: director West East 11/2018 once Wording of question Further information since 11/2018 Which name most likely applies to the position of the usually completing (the questionnaire) person? Owner / Director / Authorised officer / Board member [1] Time span of variable 1993 1997 2002 2010 2003 2005 2001 2012 2014 2016 2018 2020 2011 2013 2015 2017 2019 WEST Survey period Survey frequency 3.238) vg\_pos\_manager position - questionnaire completed by: manager West East 11/2018

Vording of q	uestion									
nce 11/2018										Further information
hich name m	ost likely applie	s to the position	of the usually o	ompleting (the	questionnaire)	person?				
	manager/head	d of department		[1]						
ime span of	variable									
1991	1992	1993	1994	1995	1996	1997	1998	1999	2000	
2001	2002	2003	2004	2005	2006	2007	2008	2009	2010	
2011	2012	2013	2014	2015	2016	2017	2018	2019	2020	
							WEST			

No. Name Label Survey period Survey frequency

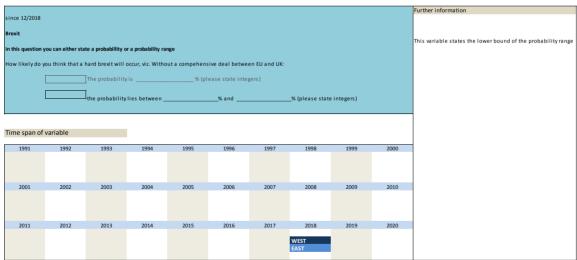
3.239) vg\_pos\_teamleader West East 11/2018 once

See 2001 2010 2010 2010 2010 2010 2010 20	Market   M											
The goal of variable	Time special decides	Which name i										Further information
Press   Special Controller	The goal of validate    Market   Market		nost likely applie	s to the positio	on of the usually	completing (the	questionnaire)	person?				
1975   1972   1972   1973   2074   2075   2076   2077   2076   2070   2070	1991   1992   1996   1996   1996   1996   1997   1996   1999		Team leader			[1]						
1975   1972   1973   1974   1975   1975   1975   1975   1975   2070   2070	1991   1992   1996   1996   1996   1996   1997   1996   1999											
Mode	2012 2012 2012 2013 2014 2014 2014 2015 2016 2017 2018 2019 2019  Note: Survey Services  No			4003	4004	1005	1005	4007	4000	4000	2000	
No.   Name	No.   Marrier   Label   Survey period   Survey period   Survey frequency	1991	1992	1333	1554	1993	1550	1557	1998	1333	2000	
No.   Name	No.   Marrier   Label   Survey period   Survey period   Survey frequency	2001	2002	2003	2004	2005	2006	2007	2008	2009	2010	
No. Name Label Survey period Survey frequency  No. Name Label Survey period Survey period Survey frequency  No. Name Label Survey period Survey frequency  No. Name Label Survey period Survey period Survey frequency  No. Name Label Survey period Survey period Survey period Survey frequency  No. Name Label Survey period Sur	No. Marker Libbel Survey frequency    Survey frequency   Survey frequency											
No. Name Label Survey period Survey (requests)  1.1-01	No.   Name	2011	2012	2013	2014	2015	2016	2017	2018	2019	2020	
No. Name Label Survey period Survey (requests)  1.1-01	No.   Name								WEST EAST			
Monthing of question	Note   Control											
Service   1/2008	Month got question	No.	Name		Label				Survey period			Survey frequency
No.   Name   Label   Survey period   Survey frequency	Time span of variable	3.240)	vg_pos_clerk		position - ques	tionnaire comp	eted by: clerk		West East 11/	2018		once
Part	Some particles again on sort lively applies to the position of the usually completing the questionnaire joesoo?    Curk	Wording of	question									
Time span of variable	Time span of variable	since 11/2018										Further information
Time span of variable	Time span of variable    1992	Which name i	nost likely applie	s to the <b>positio</b>	on of the usually	completing (the	questionnaire)	person?				
1995   1992   1993   1994   1995   1996   1997   1998   1999   2000	1991   1992   1993   1994   1995   1996   1997   1998   1999   2000		Clerk			[1]						
1995   1992   1993   1994   1995   1996   1997   1998   1999   2000	1991   1992   1993   1994   1995   1996   1997   1998   1999   2000											
No.   Name   Label   Survey period   Survey frequency	2011 2012 2013 2014 2015 2016 2017 2018 2019 2010  No. Name Label Survey period Survey frequency  Wording of question  Inne \$1/2018  Other, description:											
No.   Name   Label   Survey period   Survey frequency	No.   Name	1991	1992	1993	1994	1995	1996	1997	1998	1999	2000	
No.   Name   Label   Survey period   Survey frequency	No.   Name	2001	2002	2002	2004	2005	2006	2007	2008	2009	2010	
No. Name Label Survey period Survey frequency  3.241) wg_pos_other position - questionnaire completed by other  West East 11/2018 Once  Wording of question  Image: 11/2018 Which name most likely applies to the position of the usually completing (the questionnaire) person?  Other, description: [1]  Time span of variable  1991 1992 1993 1994 1995 1996 1997 1998 1999 2000  2001 2002 2003 2004 2005 2006 2007 2008 2009 2010  2011 2012 2013 2014 2015 2016 2017 2018 2019 2020  Wiss:  EAST  No. Name Label Survey period Survey frequency  3.242) wg_pos_other_descr  position - questionnaire completed by other description  Wording of question  Ince 11/2018  West East 11/2018 Once  Further information  These comments are not part of the RT-Cataset. Facility in the position of the usually completing (the questionnaire) person?	No. Name Label Survey period Survey frequency  3241) Vg_ pos_other position - questionnaire completed by other  Wording of question  Since \$11/2018 Once    Survey frequency   Mest East \$11/2018   Once	2001	2002	2005	2004	2003	2006	2007	2008	2009	2010	
No. Name Label Survey period Survey frequency  3.241) wg_pos_other position - questionnaire completed by other  West East 11/2018 Once  Wording of question  Important tikely applies to the position of the usually completing (the questionnaire) person?  Other, description: [1]  Time span of variable  1991 1992 1993 1994 1995 1996 1997 1998 1999 2000  2001 2002 2003 2004 2005 2006 2007 2008 2009 2010  2011 2012 2013 2014 2015 2016 2017 2018 2019 2020  Wast East 11/2018 Once  No. Name Label Survey period Survey frequency  3.242) wg_pos_other_descr position - questionnaire completed by other description  Wording of question  Important tikely applies to the position of the usually completing (the questionnaire) person?  Further information  Trace comments are not part of the xt Oakset, Fc they have to be requested at EBDC, seperately.	No. Name Label Survey period Survey frequency  3241) Vg_ pos_other position - questionnaire completed by other  Wording of question  Since \$11/2018 Once    Survey frequency   Mest East \$11/2018   Once	2011	2012	2013	2014	2015	2016	2017	2018	2019	2020	
No. Name Label Survey period Survey frequency  3.241) vg_pos_other position - questionnaire completed by other  West East 11/2018 once  Wording of question  Since 11/2018  Which name most likely applies to the position of the usually completing (the questionnaire) person?  Other, description: [1]  Time span of variable  1991 1992 1993 1994 1995 1996 1997 1998 1999 2000  2001 2002 2003 2004 2005 2006 2007 2008 2009 2010  2011 2012 2013 2014 2015 2016 2017 2018 2019 2020  No. Name Label Survey period Survey frequency  West East 11/2018  West East 11/2018 once  There information  West East 11/2018  West East 11/2018  There information the usually completed by other description  West East 11/2018  There information the strongard of	No. Name Label Survey period Survey frequency  3.241)								WEST			
Wording of question    Since 11/2018	Wording of question  Since 11/2018  Which name most likely applies to the position of the usually completing (the questionnaire) person?  Other, description:  113  Time span of variable  1991 1992 1993 1994 1995 1996 1997 1998 1999 2000  2001 2002 2003 2004 2005 2006 2007 2008 2009 2010  2011 2012 2013 2014 2015 2016 2017 2018 2019 2020  No. Name Label Survey period Survey frequency  West East 11/2018 West East 11/2018 once  Wording of question  Further information  These comments are not part of the KT-Oataset. Ft they have to be requested at EEDC, seperately. They have to be requested at EEDC, seperately.								EAST			
Since 11/2018  Which name most likely applies to the position of the usually completing (the questionnaire) person?  Other, description: [1]  Time span of variable  1 1991 1992 1993 1994 1999 1996 1997 1998 1999 2000  2 2001 2 2002 2 2003 2 2004 2 2005 2 2006 2 2007 2 2008 2 2009 2 2010  2 2011 2 2012 2 2013 2 2014 2 2015 2 2016 2 2017 2 2018 2 2019 2 2020  West Tast 11/2018  No. Name Label Survey period Survey frequency  3 242) vg_pos_other_descr  West East 11/2018 once  West East 11/2018 once  ###################################	Wording of question    Since 11/2018	No.	Name		Label				Survey period			Survey frequency
Since 11/2018  Which name most likely applies to the position of the usually completing (the questionnaire) person?  Other, description: [1]  Time span of variable  1991 1992 1993 1994 1995 1996 1997 1998 1999 2000  2001 2002 2003 2004 2005 2006 2007 2008 2009 2010  2011 2012 2013 2014 2015 2016 2017 2018 2019 2020  WEST FAST  No. Name Label Survey period Survey frequency  3.242) Vg_pos_other_descr  position - questionnaire completed by: other description  Wording of question  Wording of question  Further information  These comments are not part of the KT-Dataset. Fathery have to be requested at EBDC, seperately.	Since 11/2018   Survey period   Survey frequency	3.241)	vg_pos_other	•	position - ques	tionnaire comp	eted by: other		West East 11/	2018		once
Since 11/2018   Which name most likely applies to the position of the usually completing (the questionnaire) person?	## Which name most likely applies to the position of the usually completing (the questionnaire) person?    Other, description:											
Time span of variable     1991   1992   1993   1994   1995   1996   1997   1998   1999   2000     2001   2002   2003   2004   2005   2006   2007   2008   2009   2010     2011   2012   2013   2014   2015   2016   2017   2018   2019   2020     2010   2011   2012   2013   2014   2015   2016   2017   2018   2019   2020     2010   2	Time span of variable     1991   1992   1993   1994   1995   1996   1997   1998   1999   2000	Wording of	question									
Time span of variable  1991 1992 1993 1994 1995 1996 1997 1998 1999 2000  2001 2002 2003 2004 2005 2006 2007 2008 2009 2010  2011 2012 2013 2014 2015 2016 2017 2018 2019 2020  WEST FAST  No. Name Label Survey period Survey frequency  3.242) vg_pos_other_descr position - questionnaire completed by, other description  Wording of question  Since 11/2018  Which name most likely applies to the position of the usually completing (the questionnaire) person?  Further information  These comments are not part of the KT-Dataset. For they have to be requested at EBOC, seperately.	Time span of variable  1991											Further information
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1991 1992 1993 1994 1995 1996 1997 1998 1999 2000  2001 2002 2003 2004 2005 2006 2007 2008 2009 2010  2011 2012 2013 2014 2015 2016 2017 2018 2019 2020  WEST EAST  No. Name Label Survey period Survey frequency  3.242) vg_pos_other_descr position - questionnaire completed by: other description  Wording of question  Since 11/2018  West East 11/2018 once  Further information These comments are not part of the KT-Dataset. For they have to be requested at EBDC, seperately.	1991   1992   1993   1994   1995   1996   1997   1998   1999   2000	since 11/2018	most likely applie		on of the usually o		questionnaire)	person?				Further information
2001 2002 2003 2004 2005 2006 2007 2008 2009 2010  2011 2012 2013 2014 2015 2016 2017 2018 2019 2020  WEST EAST  No. Name Label Survey period Survey frequency  3.242) vg_pos_other_descr position - questionnaire completed by: other description  Wording of question  Since 11/2018  Which name most likely applies to the position of the usually completing (the questionnaire) person?	2001 2002 2003 2004 2005 2006 2007 2008 2009 2010  2011 2012 2013 2014 2015 2016 2017 2018 2019 2020  WEST EAST  No. Name Label Survey period Survey frequency  3.242) vg_pos_other_descr position - questionnaire completed by: other description  Wording of question  since 11/2018  Which name most likely applies to the position of the usually completing (the questionnaire) person? Other, description:  Other, description:	since 11/2018	most likely applie		on of the usually o		questionnaire)	person?				Further information
No. Name Label Survey period Survey frequency  3.242) vg_pos_other_descr position - questionnaire completed by: other description  Wording of question  Since 11/2018  West East 11/2018  Further information These comments are not part of the KT-Dataset. For they have to be requested at EBDC, seperately.	2011 2012 2013 2014 2015 2016 2017 2018 2019 2020  WEST FAST  No. Name Label Survey period Survey frequency  3.242) vg_pos_other_descr position - questionnaire completed by: other description  Wording of question  Since 11/2018  Which name most likely applies to the position of the usually completing (the questionnaire) person? Other, description:  Other, description:	since 11/2018 Which name i	Other, descripti	on:		[1]			1008	1000	2000	Further information
No. Name Label Survey period Survey frequency  3.242) vg_pos_other_descr position - questionnaire completed by: other description  Wording of question  Since 11/2018  Which name most likely applies to the position of the usually completing (the questionnaire) person?  West East 11/2018  Further information These comments are not part of the KT-Dataset. For they have to be requested at EBDC, seperately.	No. Name Label Survey period Survey frequency  3.242) vg_pos_other_descr position - questionnaire completed by: other description  Wording of question  Since 11/2018  Which name most likely applies to the position of the usually completing (the questionnaire) person? Other, description:  Other, description:	since 11/2018 Which name i	Other, descripti	on:		[1]			1998	1999	2000	Further information
No. Name Label Survey period Survey frequency  3.242) vg_pos_other_descr position - questionnaire completed by: other description  Wording of question  Since 11/2018  Which name most likely applies to the position of the usually completing (the questionnaire) person?  West East 11/2018  Further information These comments are not part of the KT-Dataset. For they have to be requested at EBDC, seperately.	No. Name Label Survey period Survey frequency  3.242) vg_pos_other_descr position - questionnaire completed by: other description  Wording of question  Since 11/2018  Which name most likely applies to the position of the usually completing (the questionnaire) person? Other, description:  Other, description:	since 11/2018 Which name i	Other, descripti	on:	1994	[1]	1996	1997				Further information
No. Name Label Survey period Survey frequency  3.242) vg_pos_other_descr  position - questionnaire completed by: other description  Wording of question  Since 11/2018  Which name most likely applies to the position of the usually completing (the questionnaire) person?  Further information  These comments are not part of the KT-Dataset. For they have to be requested at EBDC, seperately.	No. Name Label Survey period Survey frequency  3.242) vg_pos_other_descr position - questionnaire completed by: other description  Wording of question  Since 11/2018  Which name most likely applies to the position of the usually completing (the questionnaire) person? Other, description:  Other, description:	since 11/2018 Which name i	Other, descripti	on:	1994	[1]	1996	1997				Further information
3.242) vg_pos_other_descr	West East 11/2018 once  Wording of question  Since 11/2018  Which name most likely applies to the position of the usually completing (the questionnaire) person?  Other, description:  West East 11/2018  Further information  These comments are not part of the KT-Dataset. For they have to be requested at EBDC, separately.	Since 11/2018 Which name i	Other, description of variable	on:	1994	1995	1996	1997	2008	2009	2010	Further information
3.242) vg_pos_other_descr	West East 11/2018 once  Wording of question  Since 11/2018  Which name most likely applies to the position of the usually completing (the questionnaire) person?  Other, description:  West East 11/2018  Further information  These comments are not part of the KT-Dataset. For they have to be requested at EBDC, separately.	Since 11/2018 Which name i	Other, description of variable	on:	1994	1995	1996	1997	2008 2018 WEST	2009	2010	Further information
position - questionnaire completed by: other description  Wording of question  Since 11/2018  Which name most likely applies to the position of the usually completing (the questionnaire) person?  Further information  These comments are not part of the KT-Dataset. For they have to be requested at EBDC, seperately.	position - questionnaire completed by: other description  Wording of question  since 11/2018  Which name most likely applies to the position of the usually completing (the questionnaire) person?  Other, description:  Other, description:	Time span o	Other, description of variable 1992 2002	on:	1994 2004 2014	1995	1996	1997	2008  2018  WEST EAST	2009	2010	
since 11/2018  Which name most likely applies to the position of the usually completing (the questionnaire) person?  Further information  These comments are not part of the KT-Dataset. For they have to be requested at EBDC, seperately.	since 11/2018  Which name most likely applies to the position of the usually completing (the questionnaire) person?  Other, description:	Since 11/2018 Which name to the span of th	Other, descripti  Other, descripti  of variable  1992  2002  Name	on:	1994 2004 2014	1995	1996	1997	2008  2018  WEST EAST  Survey period	2009	2010	Survey frequency
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Onler, description.		Time span o  1991  2001  No.  3.242)  Wording of	Other, description of variable 1992 2002 2012 Name vg_pos_other question	on:	1994 2004 2014	[1] 1995 2005 2015	1996 2006 2016	1997 2007 2017	2008  2018  WEST EAST  Survey period	2009	2010	Survey frequency Once  Further information These comments are not part of the KT-Dataset. Fc
	Time span of variable	Time span o  1991  2001  2011  No.  3.242)  Wording of since 11/2018	Other, descripti  Other, descripti  of variable  1992  2002  2012  Name  vg_pos_other question	1993 2003 2013 2013	1994 2004 2014 Label	[1] 1995 2005 2015	1996 2006 2016	1997 2007 2017	2008  2018  WEST EAST  Survey period	2009	2010	Survey frequency Once  Further information These comments are not part of the KT-Dataset. Fc



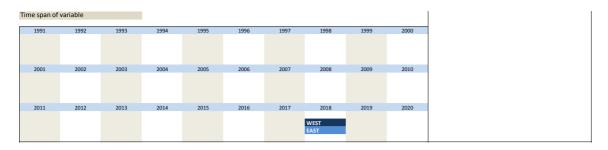
3.243) vg_brexit_prob hard brexit - probability West East 12/2018 once  Wording of question  Since 12/2018  Further information	No.										
Wording of question  Since 12/2018  Brexit  In this question you can either state a probability or a probability range  How likely do you think that a hard brexit will occur, viz. Without a compehensive deal between EU and UK:  The probability is		Name		Label				Survey period	i		Survey frequency
Wording of question  Since 12/2018  Brexit  In this question you can either state a probability or a probability range  How likely do you think that a hard brexit will occur, viz. Without a compehensive deal between EU and UK:  The probability is											
Further information  Further information  Further information  This variable states the probability in this question you can either state a probability range  How likely do you think that a hard brexit will occur, viz. Without a competensive deal between EU and UK:  The probability lies between	3.243)	vg_brexit_pro	ob	hard brexit - pr	obability			West East 12/	2018		once
Further information  Further information  Further information  This variable states the probability in this question you can either state a probability range  How likely do you think that a hard brexit will occur, viz. Without a competensive deal between EU and UK:  The probability lies between											
Brexit  In this question you can either state a probability or a probability range  How likely do you think that a hard brexit will occur, viz. Wilthout a competensive deal between EU and UK:  The probability is	Wording of	f question									
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In this question you can either state a probability or a probability range  How likely do you think that a hard brexit will occur, viz. Without a compehensive deal between EU and UK:  The probability is	Brexit										
How likely do you think that a hard brexit will occur, viz. Without a compehensive deal between EU and UK:  The probability lies	In this question	on you can either sta	te a probabillity of	r a probability rai	nge						This variable states the probability
Time span of variable  1991 1992 1993 1994 1995 1996 1997 1998 1999 2000  2001 2002 2003 2004 2005 2006 2007 2008 2009 2010						to a death above	- 511 4 1116				
Time span of variable  1991 1992 1993 1994 1995 1996 1997 1998 1999 2000  2001 2002 2003 2004 2005 2006 2007 2008 2009 2010	now likely d										
Time span of variable  1991 1992 1993 1994 1995 1996 1997 1998 1999 2000  2001 2002 2003 2004 2005 2006 2007 2008 2009 2010			The probability	/is	% (pl	ease state integ	gers)				
Time span of variable  1991 1992 1993 1994 1995 1996 1997 1998 1999 2000  2001 2002 2003 2004 2005 2006 2007 2008 2009 2010			the probability	lies hetween		% and		% (nlease state	integers)		
1991 1992 1993 1994 1995 1996 1997 1998 1999 2000  2001 2002 2003 2004 2005 2006 2007 2008 2009 2010								(p			
1991 1992 1993 1994 1995 1996 1997 1998 1999 2000  2001 2002 2003 2004 2005 2006 2007 2008 2009 2010											
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2001 2002 2003 2004 2005 2006 2007 2008 2009 2010	Time span	of variable									
			1993	1994	1995	1996	1997	1998	1999	2000	
			1993	1994	1995	1996	1997	1998	1999	2000	
2011 2012 2013 2014 2015 2016 2017 2018 2019 2020			1993	1994	1995	1996	1997		1999	2000	
2011 2012 2013 2014 2015 2016 2017 2018 2019 2020	1991	1992									
2011 2012 2013 2014 2015 2016 2017 2018 2019 2020	1991	1992									
	1991	1992									

No.	Name	Label	Survey period	Survey frequency
3.244)	vg_brexit_problb	hard brexit - probability lower bound	West East 12/2018	once



No.	Name	Label	Survey period	Survey frequency
3.245)	vg_brexit_probub	hard brexit - probability upper bound	West East 12/2018	once

	Further information
since 12/2018	
Brexit	
	This variable states the upper bound of the probability range
In this question you can either state a probability or a probability range	, , ,
How likely do you think that a hard brexit will occur, viz. Without a compehensive deal between EU and UK:	
The probability is % (please state integers)	
the probability lies between	

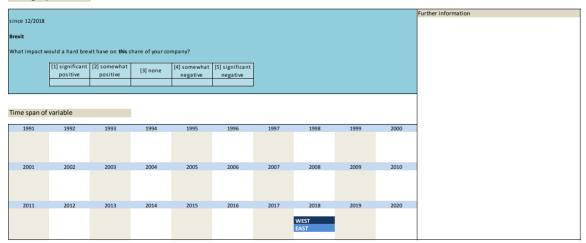


No.	Name	Label	Survey period	Survey frequency
3.246)	vg_brexit_rev	hard brexit - affected revenue share	West East 12/2018	once
Wording of q	uestion			
				Further information
since 12/2018				
Brexit				

What is the share of your turnover that would be affected by a hard brexit? Time span of variable 1991 1992 WEST EAST

No.	Name	Label	Survey period	Survey frequency
3.247)	vg_brexit_impact	hard brexit - impact	West East 12/2018	once

# Wording of question



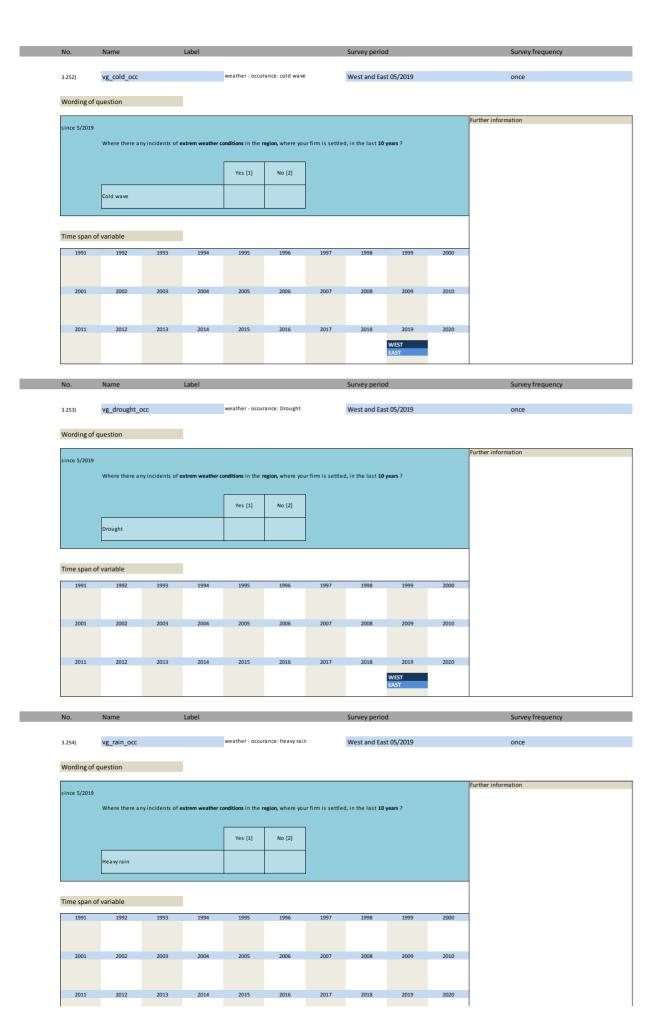
No.	Name	Label	Survey period	Survey frequency
3.248)	vg_uticapaa	capacity utilization (annual average)	West East 1/2019	once



2011	2012	2013	2014	2015	2016	2017	2018	2019	2020
								WEST	
								EAST	

M-	Name		l a b a l				Commence			C
No.	Name		Label				Survey perio	d		Survey frequency
3.249)	vg_gdp3			real gdp: % cha 2018)	nge comp. last y	ear (2019 vs	West and Eas	st 03/2019		03/2019 and 08/2019
Wording of q	westion									
wording or q	uestion									I- u
since 3/2019										Further information
	By how many pe previous year?	ercent do you th	nink the real GD	<b>P</b> in Germany wil	I change in the	year listed bel	ow compared to	the respective		
	(percentage inc	dication with or	ne decimal poss	sible)						
	2019:	%								
										related to gdp1 gdp4
Time span of	variable									
1991	1992	1993	1994	1995	1996	1997	1998	1999	2000	
2001	2002	2003	2004	2005	2006	2007	2008	2009	2010	
2011	2012	2013	2014	2015	2016	2017	2018	2019	2020	
								WEST		
No.	Name		Label				Survey perio	d		Survey frequency
3.250)	vg_gdp4			real gdp: % cha 2019)	nge comp. last y	ear (2020 vs	West and Eas	st 03/2019		03/2019 and 08/2019
Wording of q	uestion									
vorum g or q	ucstion									
ince 3/2019										Further information
	Du haur manun									
		arcent do you th	ink the real CD	D in Garmany wil	Lebange in the	war listed hel	ow compared to	the respective		
	previous year?			P in Germany wil	I change in the	year listed bel	ow compared to	the respective		
	previous year? (percentage inc	dication with or			I change in the	year listed bel	ow compared to	the respective		
	previous year?				I change in the	year listed bel	ow compared to	the respective		related to gdp1 gdp3
Time span of	previous year? (percentage inc 2020:	dication with or			I change in the	year listed bel	ow compared to	the respective		related to gdp1 gdp3
Time span of	previous year? (percentage inc 2020: variable	dication with or	ne decimal poss	sible)					2000	related to gdp1 gdp3
Time span of	previous year? (percentage inc 2020:	dication with or			I change in the	year listed bel-	ow compared to	the respective	2000	related to gdp1 gdp3
	previous year? (percentage inc 2020: variable	dication with or	ne decimal poss	sible)					2000	related to gdp1 gdp3
	previous year? (percentage inc 2020: variable	dication with or	ne decimal poss	sible)					2000	related to gdp1 gdp3
1991	previous year? (percentage inc 2020: variable	dication with or%	ne decimal poss	1995	1996	1997	1998	1999		related to gdp1 gdp3
1991	previous year? (percentage inc 2020: variable 1992 2002	1993 2003	1994 2004	1995 2005	1996	1997	1998	1999	2010	related to gdp1 gdp3
1991	previous year? (percentage inc 2020: variable	dication with or%	ne decimal poss	1995	1996	1997	1998	1999 2009 2019		related to gdp1 gdp3
1991	previous year? (percentage inc 2020: variable 1992 2002	1993 2003	1994 2004	1995 2005	1996	1997	1998	1999	2010	related to gdp1 gdp3
1991	previous year? (percentage inc 2020: variable 1992 2002	1993 2003	1994 2004	1995 2005	1996	1997	1998	1999 2009 2019	2010	related to gdp1 gdp3
1991	previous year? (percentage inc 2020: variable 1992 2002	1993 2003	1994 2004	1995 2005	1996	1997	1998	1999 2009 2019 WEST EAST	2010	related to gdp1 gdp3
1991 2001 2011	previous year? (percentage inc 2020:  variable  1992  2002  Name	1993 2003	1994 2004	1995 2005 2015	1996 2006 2016	1997 2007 2017	1998 2008 2018	1999 2009 2019 WEST EAST	2010	Survey frequency
2001	previous year? (percentage inc 2020:  variable  1992  2002	1993 2003	1994 2004	1995 2005	1996 2006 2016	1997 2007 2017	1998 2008	1999 2009 2019 WEST EAST	2010	
1991 2001 2011	previous year? (percentage inc 2020:  variable  1992  2002  Name  vg_heat_occ	1993 2003	1994 2004	1995 2005 2015	1996 2006 2016	1997 2007 2017	1998 2008 2018	1999 2009 2019 WEST EAST	2010	Survey frequency
1991 2001 2011 No. 3.251)	previous year? (percentage inc 2020:  variable  1992  2002  Name  vg_heat_occ	1993 2003	1994 2004	1995 2005 2015	1996 2006 2016	1997 2007 2017	1998 2008 2018	1999 2009 2019 WEST EAST	2010	Survey frequency
1991 2001 2011 No.	previous year? (percentage inc 2020:  variable  1992  2002  2012  Name  vg_heat_occ  uestion	1993 1993 2003	1994 2004 2014	1995 2005 2015 weather - occur	1996 2006 2016 ance: heat wave	1997	1998 2008 2018 Survey perior West and Ea	1999 2009 2019 WEST EAST d	2010	Survey frequency once
1991 2001 2011 No. 3.251)	previous year? (percentage inc 2020:  variable  1992  2002  2012  Name  vg_heat_occ  uestion	1993 1993 2003	1994 2004 2014	1995 2005 2015	1996 2006 2016 ance: heat wave	1997	1998 2008 2018 Survey perior West and Ea	1999 2009 2019 WEST EAST d	2010	Survey frequency once
1991 2001 2011 No. 3.251)	previous year? (percentage inc 2020:  variable  1992  2002  2012  Name  vg_heat_occ  uestion	1993 1993 2003	1994 2004 2014	1995 2005 2015 weather - occur	1996 2006 2016 ance: heat wave	1997	1998 2008 2018 Survey perior West and Ea	1999 2009 2019 WEST EAST d	2010	Survey frequency once
1991 2001 2011 No. 3.251)	previous year? (percentage inc 2020:  variable  1992  2002  2012  Name  vg_heat_occ  uestion	1993 1993 2003	1994 2004 2014	1995 2005 2015 weather - occur	1996 2006 2016 ance: heat wave	1997	1998 2008 2018 Survey perior West and Ea	1999 2009 2019 WEST EAST d	2010	Survey frequency once
1991 2001 2011 No. 3.251)	previous year? (percentage inc 2020:  variable  1992  2002  2012  Name  vg_heat_occ  uestion	1993 1993 2003	1994 2004 2014 Label	1995 2005 2015 weather - occur	1996 2006 2016 ance: heat wave	1997	1998 2008 2018 Survey perior West and Ea	1999 2009 2019 WEST EAST d	2010	Survey frequency once
1991 2001 2011 No. 3.251)	variable  1992  2002  2012  Name  vg_heat_occ  uestion	1993 1993 2003	1994 2004 2014 Label	1995 2005 2015 weather - occur	1996 2006 2016 ance: heat wave	1997	1998 2008 2018 Survey perior West and Ea	1999 2009 2019 WEST EAST d	2010	Survey frequency once
2001  2011  No.  8.251)  Wording of q	variable  1992  2002  2012  Name  vg_heat_occ  uestion  Where there an	1993 1993 2003	1994 2004 2014 Label	1995 2005 2015 weather - occur	1996 2006 2016 ance: heat wave	1997	1998 2008 2018 Survey perior West and Ea	1999 2009 2019 WEST EAST d	2010	Survey frequency once
2001  2011  No.  3.251)  Wording of q	variable  1992  2002  variable  1992  2012  Name  vg_heat_occ  uestion  Where there an	1993 2003 2013	1994 2004 2014 Label	1995 2005 2015 weather - occur conditions in the r	1996 2006 2016 2016 No [2]	1997 2007 2017	2008  2018  Survey perio  West and East d, in the last 10	1999 2009 2019 WEST EAST d d st 05/2019	2010	Survey frequency once
2001  2011  No.  8.251)  Wording of q	variable  1992  2002  2012  Name  vg_heat_occ  uestion  Where there an	1993 1993 2003	1994 2004 2014 Label	1995 2005 2015 weather - occur	1996 2006 2016 ance: heat wave	1997	1998 2008 2018 Survey perior West and Ea	1999 2009 2019 WEST EAST d	2010	Survey frequency once
2001  2011  No.  3.251)  Wording of q	variable  1992  2002  variable  1992  2012  Name  vg_heat_occ  uestion  Where there an	1993 2003 2013	1994 2004 2014 Label	1995 2005 2015 weather - occur conditions in the r	1996 2006 2016 2016 No [2]	1997 2007 2017	2008  2018  Survey perio  West and East d, in the last 10	1999 2009 2019 WEST EAST d d st 05/2019	2010	Survey frequency once
2001  2011  No.  3.251)  Wording of q	variable  1992  2002  variable  1992  2012  Name  vg_heat_occ  uestion  Where there an	1993 2003 2013	1994 2004 2014 Label	1995 2005 2015 weather - occur conditions in the r	1996 2006 2016 2016 No [2]	1997 2007 2017	2008  2018  Survey perio  West and East d, in the last 10	1999 2009 2019 WEST EAST d d st 05/2019	2010	Survey frequency once

2011

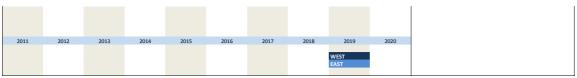


No. Name Label Survey frequency weather - occurance: storms West and East 05/2019 3.255) vg\_storm\_occ once Wording of question Further information ince 5/2019 Yes [1] No [2] Time span of variable 1993 1994 1995 1997 1999 1991 2002 2003 2010 WEST Survey frequency weather - impact: heatwaves West and East 05/2019 vg\_heat\_imp once 3.256) Wording of question Further information nce 5/2019 Did these extreme weather conditions have an impact on the value added of your firm? Positive [1] None [2] Negative [3] Time span of variable 1993 1995 1997 1998 1999 1994 2002 2010 2001 2003 2004 2005 2006 2007 2008 2011 2012 2013 2014 2015 2016 2017 2020 No. Name Label Survey frequency weather - impact: coldwaves West and East 05/2019 vg\_cold\_imp once 3.257) Wording of question Further information since 5/2019 Did these extreme weather conditions have an impact on the value added of your firm? Positive [1] Time span of variable 1993 1995

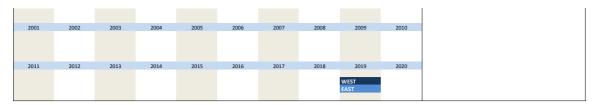
1										
	2011	2012	2013	2014	2015	2016	2017	2018	2019	2020
									WEST	
									EAST	
L										

							Survey perio	od		Survey frequency
No.	Name		Label							, -4,
3.258)	vg_drought_ii	mp		weather - impa	ct: drought		West and Eas	st 05/2019		once
Wording of o										
wordingord	question									Further information
since 5/2019										ru dei momaton
	Did these extre	me weather con	ditions have an i	impact on the val	lue added of you	r firm?				
				Positive [1]	None [2]	Negative [3]				
	Drought									
Time span o	f variable									
1991	1992	1993	1994	1995	1996	1997	1998	1999	2000	
2001	2002	2003	2004	2005	2006	2007	2008	2009	2010	
2011	2012	2013	2014	2015	2016	2017	2018	2019	2020	
								WEST EAST		
			Label				Survey perio	od		Survey frequency
No.	Name									
No. 3.259)	vg_rain_imp			weather - impa	ct: heavy rain		West and Ea	st 05/2019		once
3.259)	vg_rain_imp			weather - impa	ct: heavy rain		West and Ea	st 05/2019		once
	vg_rain_imp			weather - impa	ict: heavy rain		West and Ea	st 05/2019		
3.259)	vg_rain_imp			weather - impa	ct: heavy rain		West and Ea	st 05/2019		once  Further information
3.259) Wording of c	vg_rain_imp	me weather con		weather - impa			West and Ea	st 05/2019		
3.259) Wording of c	vg_rain_imp	me weather con					West and Ea	st 05/2019		
3.259) Wording of c	vg_rain_imp question  Did these extre	me weather con		impact on the <b>va</b> l	lue added of you	r firm?	West and Ea	st 05/2019		
3.259) Wording of c	vg_rain_imp	me weather cond		impact on the <b>va</b> l	lue added of you	r firm?	West and Ea	st 05/2019		
3.259)  Wording of (	vg_rain_imp question  Did these extre	me weather con		impact on the <b>va</b> l	lue added of you	r firm?	West and Ea	st 05/2019		
3.259) Wording of o	yg_rain_imp question  Did these extre  Heavy rain		ditions have an i	Positive [1]	None [2]	r firm?  Negative [3]			2000	
3.259)  Wording of (	vg_rain_imp question  Did these extre	me weather con		impact on the <b>va</b> l	lue added of you	r firm?	West and Ear	st 05/2019	2000	
3.259) Wording of o	vg_rain_imp question  Did these extre  Heavy rain  f variable	1993	<b>iditions</b> have an i	Positive [1]	None [2]	Negative [3]	1998	1999		
3.259) Wording of o	yg_rain_imp question  Did these extre  Heavy rain		ditions have an i	Positive [1]	None [2]	r firm?  Negative [3]			2000	
3.259)  Wording of of since 5/2019  Time span of 1991	vg_rain_imp question  Did these extre  Heavy rain  f variable  1992	1993	1994 2004	Positive [1]  1995	None [2]	Negative [3] 1997 2007	1998	1999	2010	
3.259) Wording of o	vg_rain_imp question  Did these extre  Heavy rain  f variable	1993	<b>iditions</b> have an i	Positive [1]	None [2]	Negative [3]	1998	1999 2009 2019		
3.259)  Wording of of since 5/2019  Time span of 1991	vg_rain_imp question  Did these extre  Heavy rain  f variable  1992	1993	1994 2004	Positive [1]  1995	None [2]	Negative [3] 1997 2007	1998	1999	2010	
3.259)  Wording of c since 5/2019  Time span o 1991  2001	vg_rain_imp question  Did these extre  Heavy rain  f variable  1992  2002	1993	1994 2004	Positive [1]  1995	None [2]	Negative [3] 1997 2007	1998	1999 2009 2019 WEST EAST	2010	further information
3.259)  Wording of of since 5/2019  Time span of 1991	vg_rain_imp question  Did these extre  Heavy rain  f variable  1992	1993	1994 2004	Positive [1]  1995	None [2]	Negative [3] 1997 2007	1998	1999 2009 2019 WEST EAST	2010	
3.259)  Wording of c since 5/2019  Time span o 1991  2001	yg_rain_imp question  Did these extre  Heavy rain  f variable  1992  2002	1993 2003 2013	1994 2004	Positive [1]  1995	None [2] 1996 2006	r firm?  Negative [3]  1997  2007	1998	1999 2009 2019 WEST EAST	2010	further information
3.259)  Wording of 6 since 5/2019  Time span o 1991 2001 2011	vg_rain_imp question  Did these extre  Heavy rain  f variable  1992  2002  2012  Name  vg_storm_imp	1993 2003 2013	1994 2004	Positive [1] 1995 2005	None [2] 1996 2006	r firm?  Negative [3]  1997  2007	1998 2008 2018	1999 2009 2019 WEST EAST	2010	Further information  Survey frequency
3.259)  Wording of 6 since 5/2019  Time span of 1991 2001 2011  No. 3.260)	vg_rain_imp question  Did these extre  Heavy rain  f variable  1992  2002  2012  Name  vg_storm_imp	1993 2003 2013	1994 2004	Positive [1] 1995 2005	None [2] 1996 2006	r firm?  Negative [3]  1997  2007	1998 2008 2018	1999 2009 2019 WEST EAST	2010	Further information  Survey frequency
3.259) Wording of 6 since 5/2019  Time span o 1991 2001 2011 No. 3.260)	vg_rain_imp question  Did these extre  Heavy rain  f variable  1992  2002  2012  Name  vg_storm_imp question	1993 2003 2013	1994 2004 Label	Positive [1]  1995  2005  2015	None [2] 1996 2006 2016	Negative [3]  1997  2007	1998 2008 2018	1999 2009 2019 WEST EAST	2010	Further information  Survey frequency  once
3.259)  Wording of 6 since 5/2019  Time span of 1991 2001 2011  No. 3.260)	vg_rain_imp question  Did these extre  Heavy rain  f variable  1992  2002  2012  Name  vg_storm_imp question	1993 2003 2013	1994 2004 Label	Positive [1] 1995 2005	None [2] 1996 2006 2016	Negative [3]  1997  2007	1998 2008 2018	1999 2009 2019 WEST EAST	2010	Further information  Survey frequency  once
3.259)  Wording of 6 since 5/2019  Time span of 1991 2001 2011  No. 3.260)	vg_rain_imp question  Did these extre  Heavy rain  f variable  1992  2002  2012  Name  vg_storm_imp question	1993 2003 2013	1994 2004 Label	Positive [1]  1995  2005  2015	None [2] 1996 2006 2016	Negative [3]  1997  2007	1998 2008 2018	1999 2009 2019 WEST EAST	2010	Further information  Survey frequency  once

Time span of variable 



No.	Name		Label				Survey perio	d		Survey frequency
3.261)	vg_heat_inc			weather - incid	lence and intens	ity: heatwaves	West and Fa	st 05/2019		once
								,		
Wording of qu	uestion									
since 5/2019										Further information only online
	Does your firm	expect any <b>cha</b> n	ge in the freque	ency or intensity	of certain extrem	e weather condit	ions?			
				Increase [1]	No change [2]	Decrease [2]				
				micease [1]	No clarige [2]	Deciense [5]				
	Heatwaves									
			_							
Time span of										
1991	1992	1993	1994	1995	1996	1997	1998	1999	2000	
2001	2002	2003	2004	2005	2006	2007	2008	2009	2010	
***					***		***		•	
2011	2012	2013	2014	2015	2016	2017	2018	2019 WEST	2020	
								EAST		
No.	Name	-	Label	-	-	-	Survey perio	ıd	-	Survey frequency
3.262)	vg_cold_inc			weather - Incid	ence and intens	ity: coid waves	West and Eas	st 05/2019		once
Wording of qu	uestion									
since 5/2019										Further information only online
	Does your firm	expect any <b>cha</b> n	ge in the freque	ency or intensity	of certain extrem	e weather condit	ions?			Further information only online
	Does your firm o	expect any <b>cha</b> n	<b>ge</b> in the freque				ions?			Further information only online
	Does your firm (	expect any <b>chan</b>	<b>ge</b> in the freque		of <b>certain extrem</b> No change [2]	e weather condit	ions?			Further information only online
	Does your firm of	expect any <b>cha</b> n	ge in the freque				ions?			Further information only online
		expect any <b>cha</b> n	ge in the freque				ions?			Further information only online
Time span of	Coldwaves			Increase [1]	No change [2]	Decrease [3]				Further information only online
	Coldwaves	expect any chan	ge in the freque				1998	1999	2000	Further information only online
Time span of 1991	Coldwaves  variable  1992	1993	1994	Increase [1]	No change [2]	Decrease [3]	1998			Further information only online
Time span of	Coldwaves			Increase [1]	No change [2]	Decrease [3]		1999	2000	Further information only online
Time span of 1991 2001	variable 1992 2002	1993	1994	Increase [1] 1995 2005	No change [2]	Decrease [3]	1998	2009	2010	Further information only online
Time span of	Coldwaves  variable  1992	1993	1994	Increase [1]	No change [2]	Decrease [3]	1998	2009		Further information only online
Time span of 1991 2001	variable 1992 2002	1993	1994	Increase [1] 1995 2005	No change [2]	Decrease [3]	1998	2009	2010	Further information only online
Time span of 1991 2001 2011	variable 1992 2002	1993	1994	Increase [1] 1995 2005	No change [2]	Decrease [3] 1997 2007	1998	2009 2019 WEST EAST	2010	Further information only online  Survey frequency
Time span of 1991 2001	variable 1992 2002 Name	1993 2003 2013	1994 2004 2014	Increase [1] 1995 2005	No change [2] 1996 2006	Decrease [3]  1997  2007	1998 2008 2018	2009 2019 WEST EAST	2010	Survey frequency
Time span of 1991 2001	variable 1992 2002 2012	1993 2003 2013	1994 2004 2014	Increase [1] 1995 2005	No change [2]	Decrease [3]  1997  2007	1998	2009 2019 WEST EAST	2010	only online
Time span of 1991 2001	variable  1992  2002  2012  Name  vg_drought_in	1993 2003 2013	1994 2004 2014	Increase [1] 1995 2005	No change [2] 1996 2006	Decrease [3]  1997  2007	1998 2008 2018	2009 2019 WEST EAST	2010	Survey frequency once
Time span of 1991 2001 2011 No.	variable  1992  2002  2012  Name  vg_drought_in	1993 2003 2013	1994 2004 2014	Increase [1] 1995 2005	No change [2] 1996 2006	Decrease [3]  1997  2007	1998 2008 2018	2009 2019 WEST EAST	2010	only online  Survey frequency
Time span of 1991 2001 2011 No. 3.263) Wording of qu	variable  1992  2002  2012  Name  vg_drought_in	1993 2003 2013	1994 2004 2014 Label	1995 2005 2015	No change [2]  1996  2006  2016	Decrease [3]  1997  2007  2017	1998 2008 2018 Survey perio	2009 2019 WEST EAST	2010	Survey frequency once
Time span of 1991 2001 2011 No. 3.263) Wording of qu	variable  1992  2002  2012  Name  vg_drought_ii	1993 2003 2013	1994 2004 2014 Label	1995 2005 2015 weather-incid	No change [2] 1996 2006 2016	Decrease [3] 1997 2007 2017	1998 2008 2018 Survey perio	2009 2019 WEST EAST	2010	Survey frequency once
Time span of 1991 2001 2011 No. 3.263) Wording of qu	variable  1992  2002  2012  Name  vg_drought_ii	1993 2003 2013	1994 2004 2014 Label	1995 2005 2015	No change [2]  1996  2006  2016	Decrease [3] 1997 2007 2017	1998 2008 2018 Survey perio	2009 2019 WEST EAST	2010	Survey frequency once
Time span of 1991 2001 2011 No. 3.263)	variable  1992  2002  2012  Name  vg_drought_ii	1993 2003 2013	1994 2004 2014 Label	1995 2005 2015 weather-incid	No change [2] 1996 2006 2016	Decrease [3] 1997 2007 2017	1998 2008 2018 Survey perio	2009 2019 WEST EAST	2010	Survey frequency once
Time span of 1991 2001 2011 No. 3.263)	variable  1992  2002  2012  Name  vg_drought_it  uestion	1993 2003 2013	1994 2004 2014 Label	1995 2005 2015 weather-incid	No change [2] 1996 2006 2016	Decrease [3] 1997 2007 2017	1998 2008 2018 Survey perio	2009 2019 WEST EAST	2010	Survey frequency once



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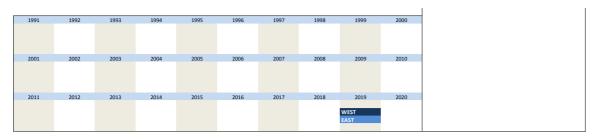
Since 5/2019

Is your firm currently prepared for possibly negative consequences of extreme weather conditions (e.g., by supplementary insurances, reserves, technical arrangements, other measures)?

Yes [1] No [2] Not necessary [3]

Heatwaves

Time span of variable



No.	Name	Label				Survey period	i		Survey frequency
3.267)	vg_cold_prep		weather - prep	ared: coldwave	s	West and East	t 05/2019		once
Wording of	question								
									Further information
since 5/2019									only online
	Is your firm curren	itly prepared for possibly r	egative consequence	s of extreme we	eather condition	s (e.g. hy sunnle	mentary		
					.u.iici conuition	5 (c.g., b) 30ppic	,		
		ves, technical arrangeme			author condition	, (c.g., b) 3dppic	,		
						5 (c.g., b) 3appic	,		
						7	,		
			nts, other measure:	s)?	Not necessary	7	······································		
					Not necessary	7	······································		
			nts, other measure:	s)?		7	, ,		
	insurances, reser		nts, other measure:	s)?	Not necessary	7	,		
			nts, other measure:	s)?	Not necessary	7	,		
	insurances, reser		nts, other measure:	s)?	Not necessary	7	,		
	insurances, reser		nts, other measure:	s)?	Not necessary	7	,		
	insurances, reser		nts, other measure:	s)?	Not necessary	7	,		
	insurances, reser		nts, other measure:	s)?	Not necessary	7	,		
	Coldwaves		nts, other measure:	s)?	Not necessary	7			
Time span o	Coldwaves		nts, other measure:	s)?	Not necessary	7			
Time span o	Coldwaves		nts, other measure:	s)?	Not necessary	7	1999	2000	

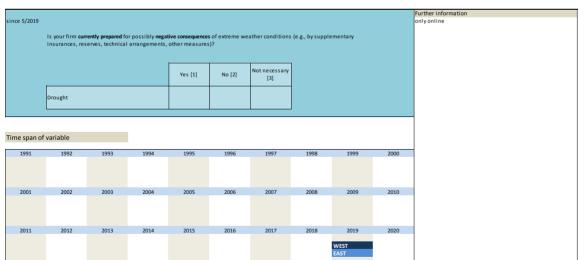
No.	Name	Label		Survey period	Survey frequency
3 268)	vg drought prep		weather - prepared: drought	West and Fast 05/2019	once

2007 2008

2009 2010

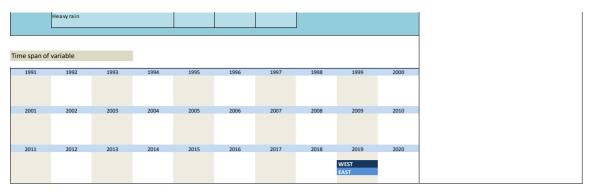
2018 2019

## Wording of question

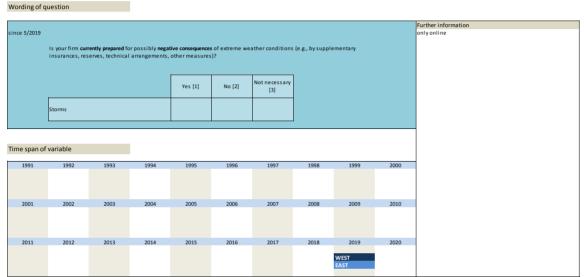


No.	Name	Label		Survey period	Survey frequency
3.269)	vg_rain_prep		weather - prepared: Heavy rain	West and East 05/2019	once
Wording of	Wording of question				

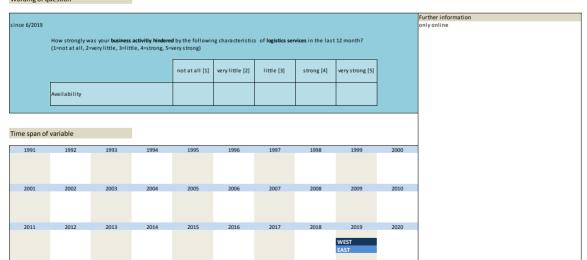




No.	Name	Label		Survey period	Survey frequency
3.270)	vg_storm_prep		weather - prepared: storms	West and East 05/2019	once



No.	Name	Label	Survey Period	Survey Frequency
3.271)	vg_log_services_avail	business activities hindered by logistics	West and East 06/2019	once



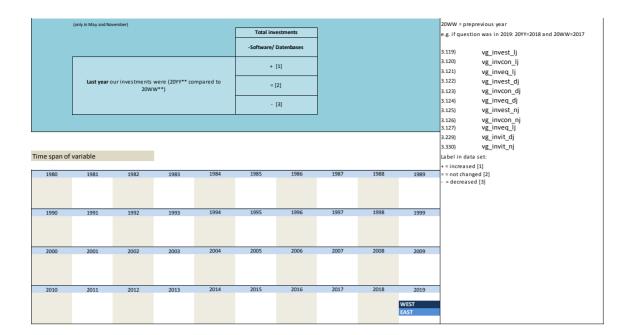
No.	Name	Label	Survey Period	Survey Frequency	
3.272)	vg_log_services_prices	business activities hindered by logistics	West and East 06/2019	once	
		services: prices	services: prices		
Wording of	question				
				Further information	
since 6/2019				only online	
	How strongly was your business activ				
	(1=not at all, 2=very little, 3=little, 4				

				not at all [1]	very little [2]	little [3]	strong [4]	very strong [5]	
	Prices								
				<u> </u>				<u> </u>	
Time span of	variable								
1991	1992	1993	1994	1995	1996	1997	1998	1999	2000
2001	2002	2003	2004	2005	2006	2007	2008	2009	2010
2011	2012	2013	2014	2015	2016	2017	2018	2019	2020
								WEST EAST	

0.	Name			Label			Survey Perior	d		Survey Frequency
273)	vg_log_services_punct				ties hindered by	logistics	West and Eas	t 06/2019		once
				services: puncti	uality					
ording of	question									
nce 6/2019										Further information only online
	How strongly wa (1=not at all, 2=				ng characteristic	s of logistics ser	vices in the last	12 month?		
	(=, =	,,	,	1						
				not at all [1]	very little [2]	little [3]	strong [4]	very strong [5]		
	Punctuality									
me span o										
me span o		1993	1994	1995	1996	1997	1998	1999	2000	
	f variable	1993	1994	1995	1996	1997	1998	1999	2000	
	f variable	1993	1994	1995	1996	1997	1998	1999	2000	
1991	f variable									
	f variable	1993	1994	1995	1996	1997	1998	1999	2000	
1991	f variable									
1991	f variable									
1991	f variable									
1991	f variable 1992 2002	2003	2004	2005	2006	2007	2008	2009	2010	
1991	f variable 1992 2002	2003	2004	2005	2006	2007	2008	2009	2010	
1991	f variable 1992 2002	2003	2004	2005	2006	2007	2008	2009 2019 WEST	2010	

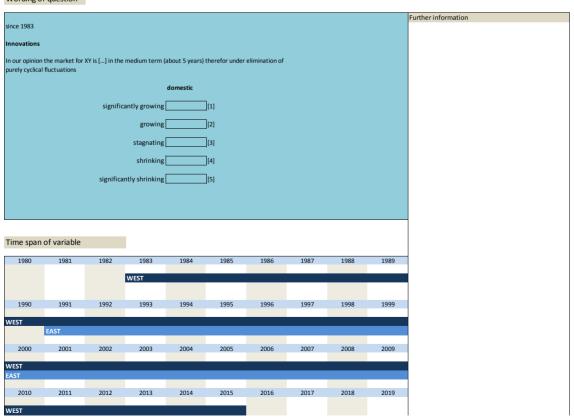
.274)	vg_log_servic				business activities hindered by logistics services: quality  West and East 06/2019				once	
ording of o	question									
ince 6/2019										Further information only online
		as your <b>business</b> every little, 3=litt			ig characteristic	s of <b>logistics ser</b>	vices in the last	12 month?		
				notatall [1]	very little [2]	little [3]	strong [4]	very strong [5]		
	Quality									
Time span of	f variable									
1991	1992	1993	1994	1995	1996	1997	1998	1999	2000	
2001	2002	2003	2004	2005	2006	2007	2008	2009	2010	
2011	2012	2013	2014	2015	2016	2017	2018	2019	2020	
								WEST		

No.	Name	Label	Survey period	Survey frequency
3.275)	vg_invit_nj	investment in Software/database next year	West and east since 05/2019	once
Wording of q	uestion			
May 2018				Further information



### 4. Special question Innovation No. Name Label Survey period Survey frequency vg\_market\_national\_1 West 12/1981 - 12/1982 annual 4.1) development of national markets in next 5 years Wording of question Further information 1981 & 1982 Innovations In our opinion the market for XY is [...] in the medium term (about 5 years) therefor under elimination of purely cyclical fluctuations domestic growing [1] stagnating [2] shrinking [3] Time span of variable 1980 1981 1982 1983 1984 1985 1986 1988 1987 1989 WEST 1999 1991 1992 1993 1994 1995 1996 1997 1998 1990 2000 2001 2003 2004 2007 2008 2009 2010 2011 2012 2013 2014 2015 2016 2017 2018 2019 No. Name Label Survey period Survey frequency

4.2)	vg_market_national_2	development of national markets	West since 12/1983	annual
		in next 5 years	East since 12/1991	annual



No. Label Survey frequency Name Survey period vg\_market\_abroad\_1 West 12/1981 - 12/1982 4.3) development of foreign markets annual in next 5 years Wording of question Further information 1981 & 1982 In our opinion the market for XY is [...] in the medium term (about 5 years) therefor under elimination of purely cyclical fluctuations abroad growing [1] [2] stagnating shrinking [3] Time span of variable 1984 1986 WEST 1991 1993 1995 1999 1990 1992 1994 1996 1997 1998 2001 2003 2005 2007 2009 2000 2002 2004 2006 2008 2010 2011 2012 2013 2014 2015 2016 2017 2018 2019 No. Name Label Survey period Survey frequency vg\_market\_abroad\_2 development of foreign markets West since 12/1983 in next 5 years East since 12/1991 annual Wording of question

Further information since 1983 In our opinion the market for XY is [...] in the medium term (about 5 years) therefor under elimination of purely cyclical fluctuations abroad significantly growing [1] growing [2] [3] stagnating shrinking significantly shrinking Time span of variable 1987 1982 1983 1980 1984 1985 1986 1988 1989 WEST 1991 1992 1993 1997 1999 1990 1994 1995 1996 1998 WEST 2009 2001 2003 2007 2008 2000 2002 2004 2005 2006 WEST 2010 2016 2019

No. Label Survey frequency Name Survey period vg\_market\_total\_1 West 12/1981 - 12/1982 4.5) development of markets in general annual in next 5 years Wording of question Further information 1981 & 1982 In our opinion the market for XY is [...] in the medium term (about 5 years) therefor under elimination of purely cyclical fluctuations total growing [1] [2] stagnating shrinking [3] Time span of variable 1984 1986 WEST 1991 1993 1995 1999 1990 1992 1994 1996 1997 1998 2001 2003 2005 2007 2009 2000 2002 2004 2006 2008 2010 2011 2012 2013 2014 2015 2016 2017 2018 2019 No. Label Name Survey period Survey frequency vg\_market\_total\_2 development of markets in general West since 12/1983 East since 12/1991 in next 5 years annual Wording of question Further information since 1983 In our opinion the market for XY is [...] in the medium term (about 5 years) therefor under elimination of purely cyclical fluctuations total significantly growing [1] growing [2] [3] stagnating shrinking significantly shrinking Time span of variable 1987 1982 1983 1980 1984 1985 1986 1988 1989 WEST 1991 1992 1993 1997 1999 1990 1994 1995 1996 1998

2007

2008

2009

2019

WEST

WEST

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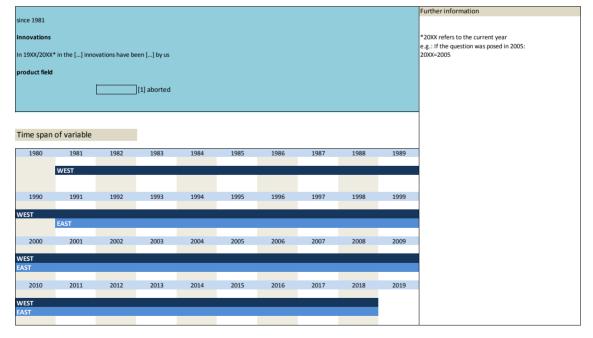
2006

2016

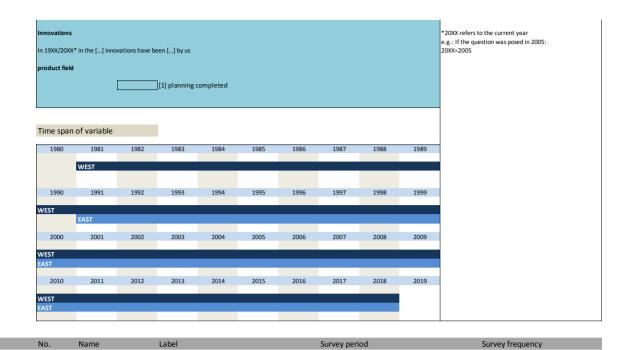
EAST

No.	Name		Label				Survey peri	od		Survey frequency
4.7)	vg prod in	no realized	l	product innova	ation realized th	is vear	West since	12/1981		annual
,	-0_p			p		,	East since			annual
								,		
Wording	of question									
										Further information
since 1981										
Innovations	s									*20XX refers to the current year
In 19XX/20X	X* in the [] inno	vations have he	en [ ] hvus							e.g.: If the question was posed in 2005: 20XX=2005
			[] 07 03							
product fiel	ld									
			[1] realized							
			[1] realized							
			1(1) (Canzea							
			[[1]   Callica							
Time spa	n of variable		[I] redifice							
Time spa	n of variable		[1] realized							
Time spa	n of variable	1982	1983	1984	1985	1986	1987	1988	1989	
		1982		1984	1985	1986	1987	1988	1989	
	1981	1982		1984	1985	1986	1987	1988	1989	
	1981	1982		1984	1985	1986	1987	1988	1989	
1980	1981 WEST		1983							
1980	1981 WEST 1991		1983							
1980 1990 WEST	1981 WEST 1991 EAST	1992	1983	1994	1995	1996	1997	1998	1999	
1980	1981 WEST 1991		1983							
1980 1990 WEST 2000	1981 WEST 1991 EAST	1992	1983	1994	1995	1996	1997	1998	1999	
1980 1990 WEST	1981 WEST 1991 EAST	1992	1983	1994	1995	1996	1997	1998	1999	
1980 1990 WEST 2000	1981 WEST 1991 EAST	1992	1983	1994	1995	1996	1997	1998	1999	

NO.	Name Labe	11	Survey periou	Survey frequency
4.8)	vg_prod_inno_aborted	product innovation aborted this year	West since 12/1981	annual
			Fast since 12/1991	annual



No.	Name L	Label	Survey period	Survey frequency
		1.1		
4.9)	vg_prod_inno_plan_con	npleted product innovation planning	West since 12/1981	annual
		completed this year	East since 12/1991	annual
Wording o	of question			
				Further information
since 1981				



4.10)	vg_prod_in	no_in_plan	ining	product innovation still in planning stage this year			West since 12/1981 East since 12/1991			annual annual
Wording	of question									
since 1981										Further information
Innovations										*20XX refers to the current year
										e.g.: If the question was posed in 2005:
In 19XX/20X	X* in the [] inno	vations have b	een [] by us							20XX=2005
product field	d									
	ļ		[1] still in pla	inning stage						
Time spar	n of variable									
1980	1981	1982	1983	1984	1985	1986	1987	1988	1989	
	WEST									
1990	1991	1992	1993	1994	1995	1996	1997	1998	1999	
WEST	EAST									
2000			****		2005	2005		****	2000	
2000	2001	2002	2003	2004	2005	2006	2007	2008	2009	
WEST EAST										
2010	2011	2012	2013	2014	2015	2016	2017	2018	2019	
	2011	2012	2013	2014	2013	2010	2017	2010	2013	
WEST EAST										

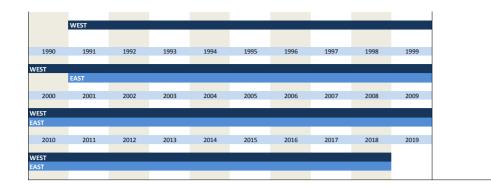
4.11)	vg_prod_inr	io_np	product innovation not planned	West since 12/1981	annual
			this year	East since 12/1991	annual
Wording o	of question				
					Further information
since 1981					
Innovations					*20XX refers to the current year
					e.g.: If the question was posed in 2005:
In 19XX/20XX	C* in the [] innov	ations have been []	by us		20XX=2005
product field	j				
	_				
	L	[1] no	t planned		
T:					
rime spar	of variable				
1980	1981	1982 19	983 1984 1985 19	986 1987 1988	1989

Survey period

Survey frequency

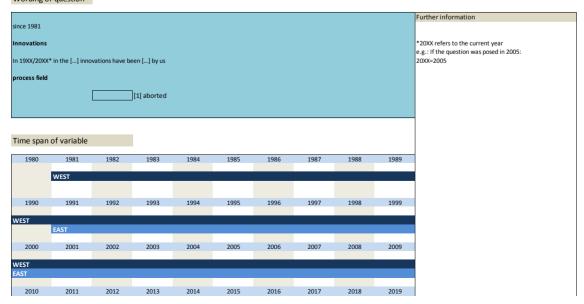
No.

Name



NO.	Name		Labei				Survey per	lou		Survey frequency
4.12)	vg_process_	inno_realiz	ed	process innova	tion realized th	nis	West since	12/1981		annual
				year			East since	12/1991		annual
\A/==d:===	of question									
wording o	n question									
since 1981										Further information
Innovations										*20XX refers to the current year e.g.: If the question was posed in 2005:
In 19XX/20XX	* in the [] innova	ations have bee	en [] by us							20XX=2005
process field										
	F		[1] realized							
	L		[1] realized							
Time span	of variable									
1980	1981	1982	1983	1984	1985	1986	1987	1988	1989	
	WEST									
	WEST									
1990	1991	1992	1993	1994	1995	1996	1997	1998	1999	
WEST	EAST									
2000	2001	2002	2003	2004	2005	2006	2007	2008	2009	
	2001	2002	2003	2004	2005	2006	2007	2008	2009	
WEST EAST										
2010	2011	2012	2013	2014	2015	2016	2017	2018	2019	
WEST										
EAST										
										1

No.	Name Label		Survey period	Survey frequency
4.13)	vg_process_inno_aborted	process innovation aborted this year	West since 12/1981	annual
			Fast since 12/1991	annual

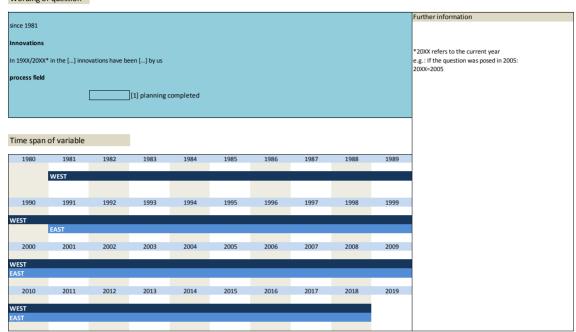


WEST EAST

No. Name Label Survey period Survey frequency

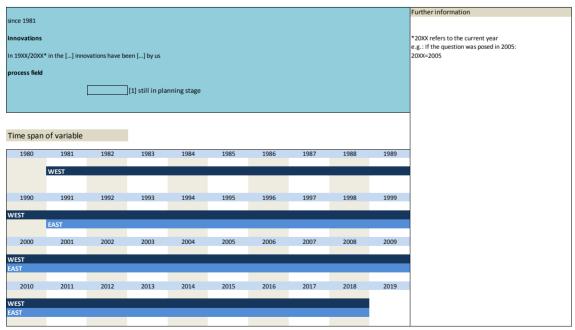
4.14) vg\_process\_inno\_plan\_completed process innovation planning completed this year East since 12/1981 annual annual

# Wording of question



140.	Truttic Euber		Survey period	July cy irequeries
4.15)	vg_process_inno_in_planning	process innovation still in planning	West since 12/1981	annual
11.23)	*6_processop.a	process innovation sem in planning	•	amiaa
		stage this year	East since 12/1991	annual

# Wording of question



No.	Name	Label	Survey period	Survey frequency
4.16)	vg_process_inno_np	process innovation not planned	West since 12/1981	annual
		this year	East since 12/1991	annual

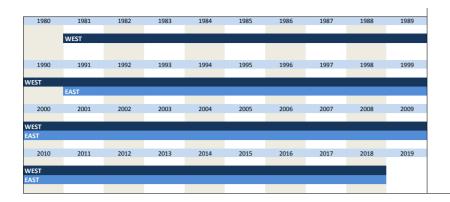
										Further information
since 1981										ruttier illioillation
Innovations			*20XX refers to the current year e.g.: If the question was posed in 2005:							
In 19XX/20XX	(* in the [] inno	vations have be	en [] by us							20XX=2005
process field										
			[1] not planne	d						
Time span	of variable									
1980	1981	1982	1983	1984	1985	1986	1987	1988	1989	
	WEST									
1990	1991	1992	1993	1994	1995	1996	1997	1998	1999	
1330	1331	1332	1333	1334	1333	1330	1337	1330	1333	
WEST										
	EAST									
2000	2001	2002	2003	2004	2005	2006	2007	2008	2009	
WEST EAST										
LAST										
2010	2011	2012	2013	2014	2015	2016	2017	2018	2019	
WEST										
EAST										

No. Name Label Survey period Survey frequency

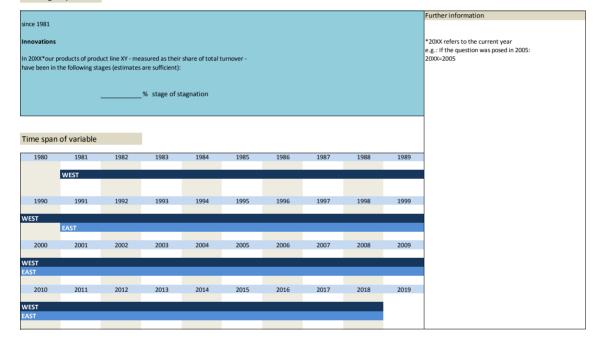
.17)	vg share i	nno nhase		share of turnov	ver in stage of		West since	12/1981		annual
.17)	vg_snare_r	ilio_pilase					East since 12/1991			annual
				,						
Nording o	of question									
										Further information
ince 1981										
nnovations										*20XX refers to the current year
20VV*our	products of prod	uct line VV mo	acurad as thair	chara of total t	urnovor					e.g.: If the question was posed in 2005: 20XX=2005
	the following sta				umover -					2000-2003
			% product la	unch stage (In	novation)					
Time span	of variable									
illie spai	TOT VALIABLE									
1980	1981	1982	1983	1984	1985	1986	1987	1988	1989	
	WEST									
1990	1991	1992	1993	1994	1995	1996	1997	1998	1999	
VEST										
	EAST									
2000	2001	2002	2003	2004	2005	2006	2007	2008	2009	
VEST										
AST			2010		****	2016		****	2010	
	0011		2013	2014	2015	2016	2017	2018	2019	
2010	2011	2012	2013							
	2011	2012	2013							

4.18)	vg_share_growth_phase	share of turnover in stage of positive growth	West since 12/1981 East since 12/1991	annual annual
Wording	of question			
since 1981				Further information
	r products of product line XY - measured as n the following stages (estimates are suffic			*20XX refers to the current year e.g.: If the question was posed in 2005: 20XX=2005
Time spa	n of variable			

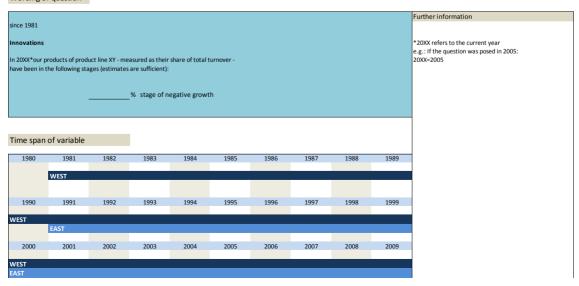
No. Name Label Survey period Survey frequency

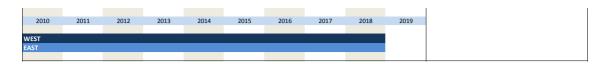


No.	Name	Label		Survey period	Survey frequency
4.19)	vg_share_stagnation_	phase	share of turnover in stage of	West since 12/1981	annual
			stagnation	East since 12/1991	annual

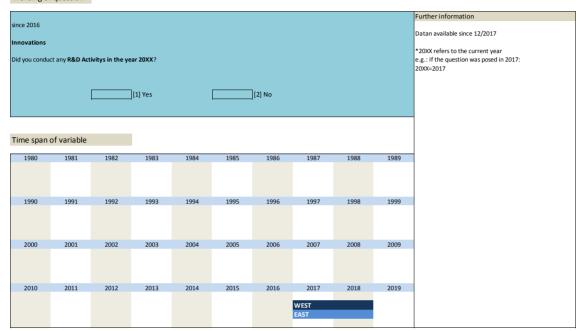


No.	Name Label		Survey period	Survey frequency
4.20)	vg_share_negative_growth	share of turnover in stage of	West since 12/1981	annual
		negative growth	East since 12/1991	annual





Nr.	Name	Label	Erhebungszeitraum	Erhebungsrhythmus
4.21)	vg_rd_activity	R&D activity	West since 12/2016	annual
			Ost since 12/2016	annual



	IVI.	Name	Label	Emenungszeitraum	Emebungsmyunnus
	4.22)	vg_rd_employee_share	share of employees R&D	West since 12/2016	annual
,		0_ 1_1   1   1   1   1   1   1   1   1		Ost since 12/2016	annual
				OSI SIIICE 12/2016	dilliudi



Nr.	Name	Label	Erhebungszeitraum	Erhebungsrhythmus
4.23)	vg_rd_expen_share	share of R&D expenditures	West since 12/2016	annual .
			Ost since 12/2016	annual

										Further information
since 2016								Datan available since 12/2017		
Innovations								Datan available since 12/2017		
								*20XX refers to the current year		
Did you conduc	Did you conduct any R&D Activitys in the year 20XX?								e.g.: If the question was posed in 2017:	
2 Based on the turnover of the product group the percentage of R&D expenses was:								20XX=2017		
Based on the t	urnover of the	product group	the <b>percentage</b>	e of K&D exper	ises was:					
			%							
Time span	of variable									
1980	1981	1982	1983	1984	1985	1986	1987	1988	1989	
1990	1991	1992	1993	1994	1995	1996	1997	1998	1999	
2000	2001	2002	2003	2004	2005	2006	2007	2008	2000	
2000	2001	2002	2003	2004	2005	2006	2007	2008	2009	
2010	2011	2012	2013	2014	2015	2016	2017	2018	2019	
2010	2011	2012	2013	2014	2015	2010	2017	2010	2019	
							WEST			
							EAST			