

**ifo Business Climate Germany**  
**Results of the ifo Business Survey for November 2022**

## ifo Business Climate Index Rises

Munich, November 24, 2022 – Sentiment in the German economy has improved. The ifo Business Climate Index rose to 86.3 points in November, up from 84.5 points<sup>1</sup> in October. While companies were somewhat less satisfied with their current business, pessimism regarding the coming months reduced sharply. The recession could prove less severe than many had expected.

In *manufacturing*, the index rose significantly. Companies were considerably less pessimistic about the future. However, they assessed their current situation as worse. The number of new orders fell again. While uncertainty about future business development remains high, it did fall a little. But in energy-intensive industries, uncertainty rose further.

In the *service sector*, the business climate improved sharply. Service providers were less pessimistic about the coming months, but unhappier with their current business.

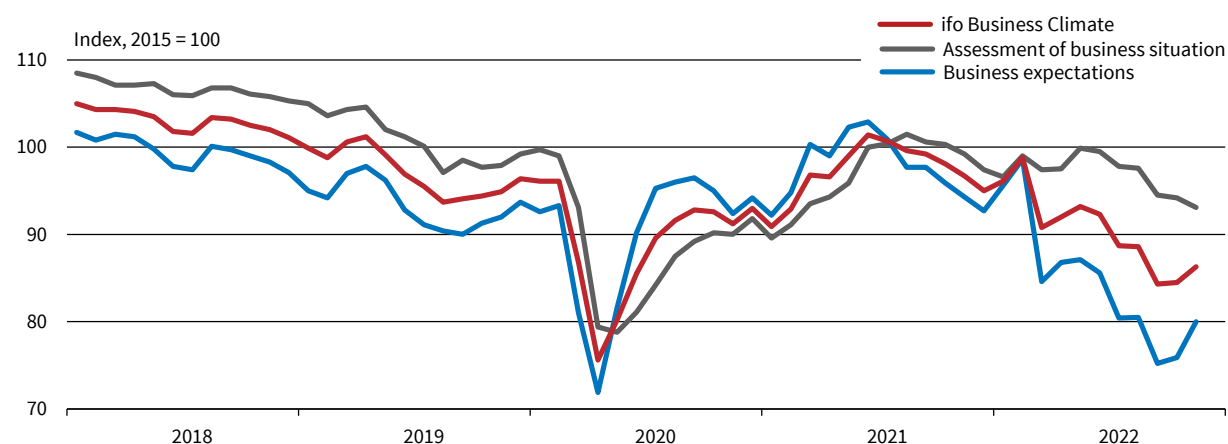
In *trade*, the index rose once again. Businesses assessed their current situation as slightly better. Their expectations were noticeably higher. Nevertheless, roughly one in two companies is currently still pessimistic about the next six months.

In *construction*, the business climate improved. Companies assessed their current situation as decidedly better. Expectations recovered somewhat, but remained thoroughly pessimistic. The number of new orders dropped once more.

Clemens Fuest  
President of the ifo Institute

### ifo Business Climate Germany<sup>a</sup>

Seasonally adjusted



<sup>a</sup> Manufacturing, service sector, trade, and construction.

Source: ifo Business Survey, November 2022.

© ifo Institute

### ifo Business Climate Germany (Index, 2015 = 100, seasonally adjusted)

Month/year	11/21	12/21	01/22	02/22	03/22	04/22	05/22	06/22	07/22	08/22	09/22	10/22	11/22
<b>Climate</b>	96.7	95.0	96.1	98.8	90.8	92.0	93.2	92.3	88.7	88.6	84.3	84.5	86.3
<b>Situation</b>	99.2	97.4	96.6	99.0	97.4	97.5	99.9	99.5	97.8	97.6	94.5	94.2	93.1
<b>Expectations</b>	94.3	92.7	95.6	98.6	84.6	86.8	87.1	85.6	80.4	80.5	75.2	75.9	80.0

Source: ifo Business Survey, November 2022

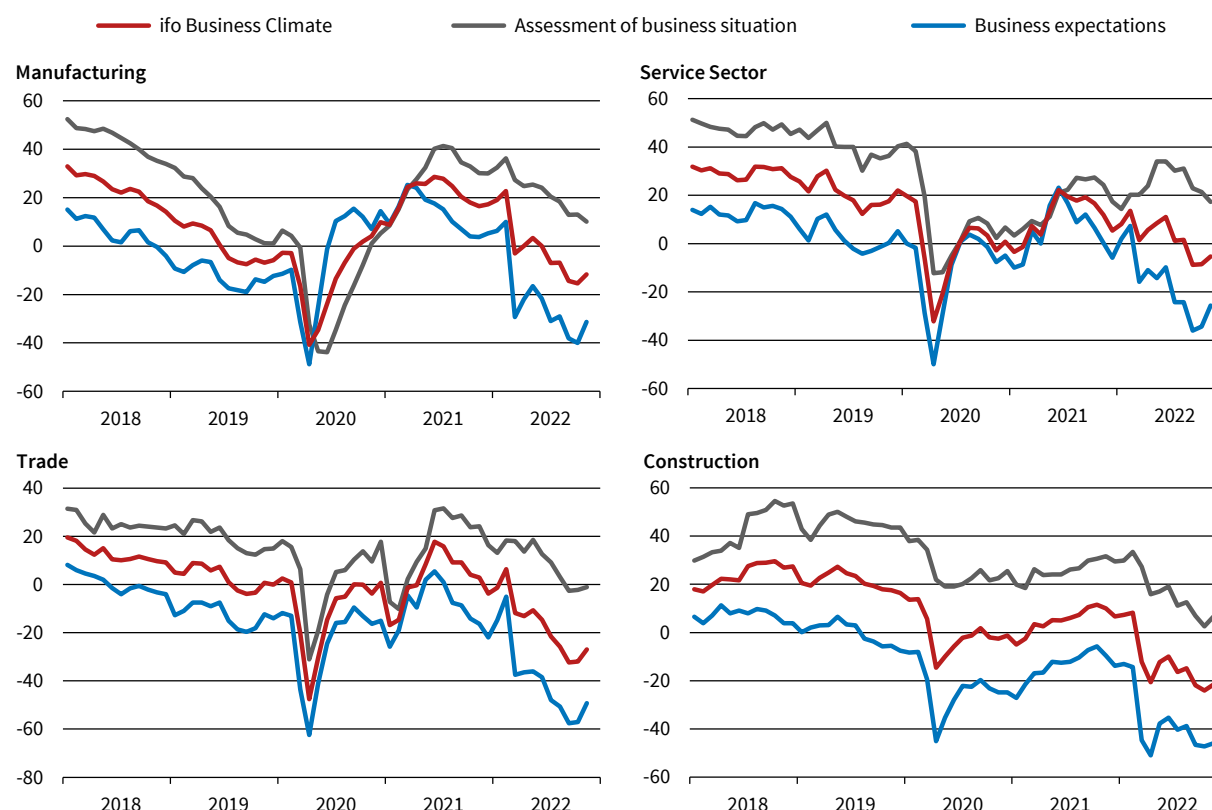
© ifo Institute

For long time-series in Excel format, please see <https://www.ifo.de/en/umfragen/time-series>.

<sup>1</sup> Seasonally adjusted

## ifo Business Climate, Business Situation, and Expectations by Sector

Balances, seasonally adjusted



Source: ifo Business Survey, November 2022.

© ifo Institute

## ifo Business Climate Germany by Sector (Balances, seasonally adjusted)

Month/year	11/21	12/21	01/22	02/22	03/22	04/22	05/22	06/22	07/22	08/22	09/22	10/22	11/22
<b>Germany</b>	11.5	7.7	10.0	16.0	-1.6	1.1	3.8	1.7	-6.2	-6.2	-15.7	-15.2	-11.3
<b>Manufacturing</b>	16.5	17.3	19.0	22.7	-3.0	0.0	3.4	0.0	-7.0	-6.8	-14.4	-15.4	-11.7
<b>Service sector</b>	11.9	5.4	8.1	13.6	1.4	5.7	8.5	11.0	1.2	1.5	-8.8	-8.5	-5.4
<b>Trade</b>	2.9	-3.8	-1.3	6.3	-11.8	-13.1	-10.7	-14.7	-21.6	-25.8	-32.3	-31.9	-26.9
<b>Construction</b>	10.0	6.7	7.3	8.2	-12.1	-20.6	-12.3	-10.0	-16.4	-14.9	-21.9	-24.0	-21.6

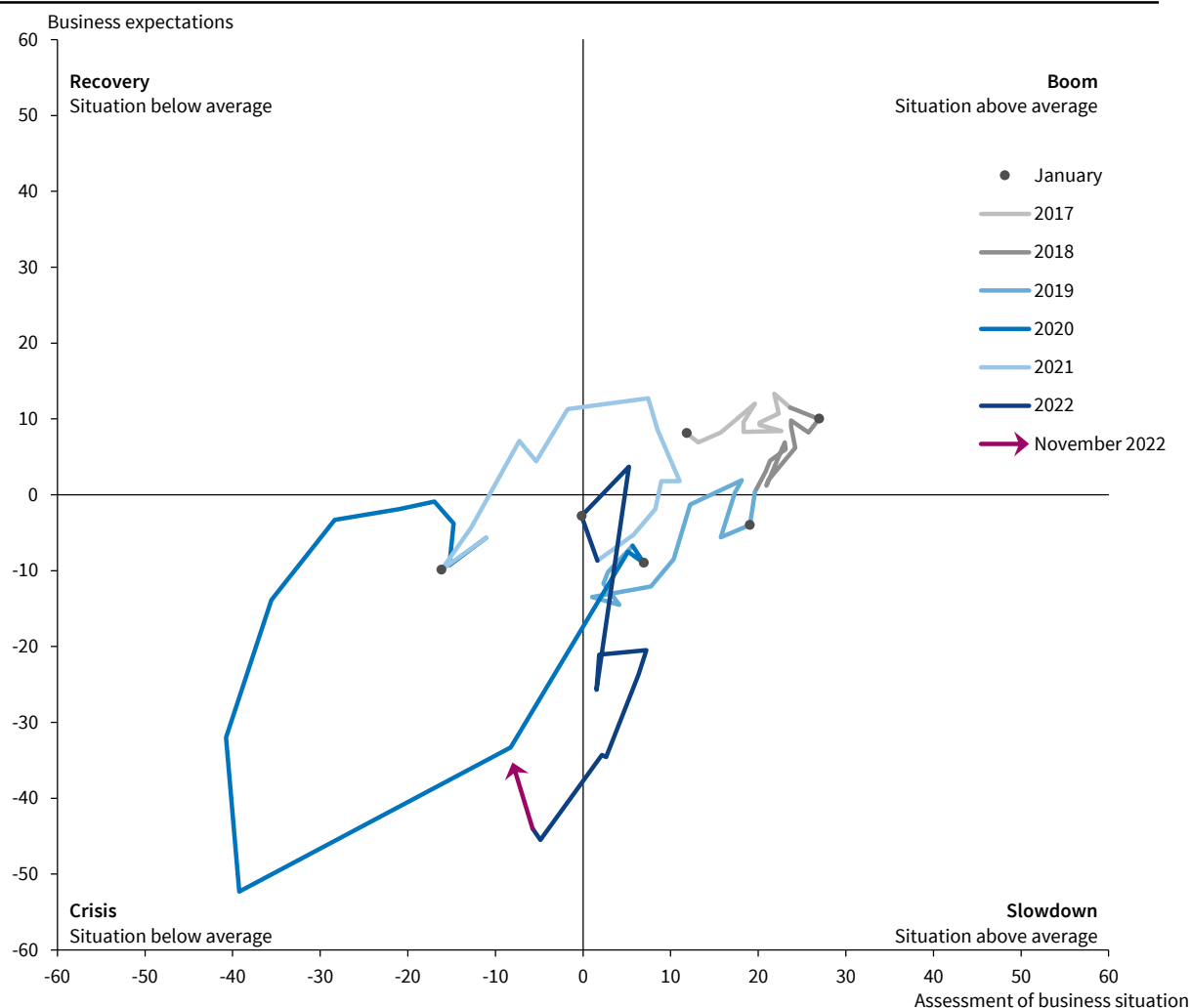
Source: ifo Business Survey, November 2022.

© ifo Institute

The ifo Business Climate is based on approx. 9,000 monthly responses from businesses in manufacturing, the service sector, trade, and construction. Companies are asked to give their assessments of the **current business situation** and their **expectations** for the next six months. They can describe their situation as “good,” “satisfactory,” or “poor” and their business expectations for the next six months as “more favorable,” “unchanged,” or “less favorable.” The **balance value** of the current business situation is the difference in the percentage shares of the responses “good” and “poor”; the balance value of expectations is the difference in the percentage shares of the responses “more favorable” and “less favorable.” The **business climate** is a transformed mean of the balances of the business situation and the expectations. To calculate the **index values**, the transformed balances are all normalized to the average for the year 2015.

## ifo Business Cycle Clock Germany<sup>a</sup>

Balances adjusted for mean value, seasonally adjusted



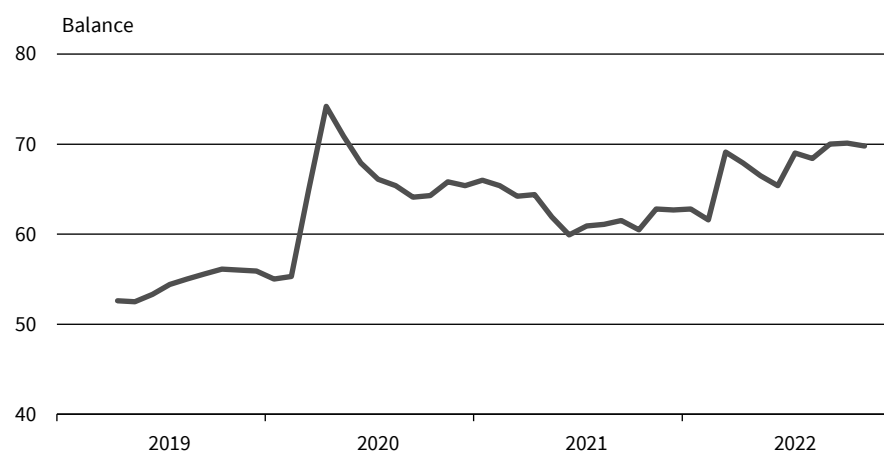
<sup>a</sup> Manufacturing, service sector, trade, and construction.  
Source: ifo Business Survey, November 2022.

© ifo Institute

The ifo Business Cycle Clock shows the cyclical relationship between the current business situation and business expectations in a four-quadrant diagram. In this diagram, economic activity – shown on a graph plotting the current situation against expectations – passes through quadrants labeled with the different phases of activity, namely recovery, boom, slowdown, and crisis; provided that the expectations indicator sufficiently precedes the current business situation indicator. If survey participants' assessments of the current business situation and their business expectations are both below average on balance, economic activity is plotted in the "crisis" quadrant. If the expectations indicator is above average (with an improving but below average business situation on balance), economic activity moves to the "recovery" quadrant. If the business situation and expectations are both above average on balance, economic activity appears in the "boom" quadrant. If, however, the expectations indicator falls below average (with a deteriorating but above average business situation on balance), economic activity slips into the "slowdown" quadrant.

## ifo Business Uncertainty Germany<sup>a</sup>

Original values



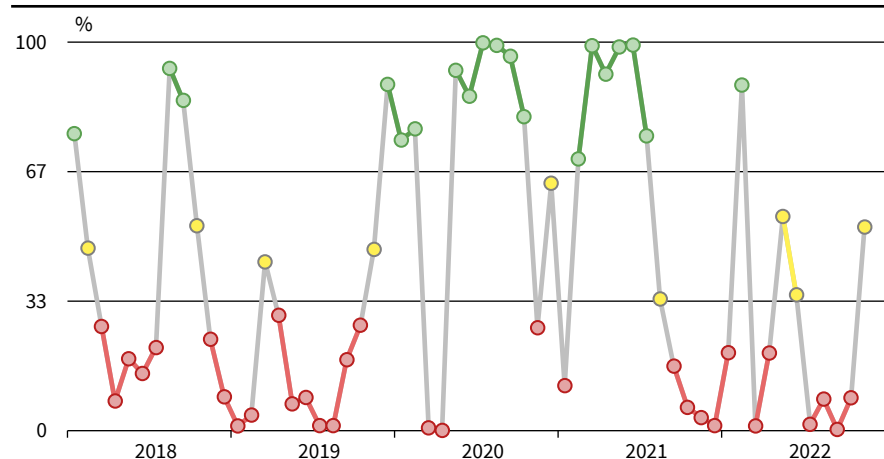
<sup>a</sup> Manufacturing, service sector, trade, and construction.  
Source: ifo Business Survey, November 2022.

© ifo Institute

The ifo Business Uncertainty measures how difficult it is for managers to predict the development of their company's business situation over the next six months. The measure is calculated based on the weighted fractions of companies that fall into the answer options "easy," "fairly easy," "fairly difficult," and "difficult" of a corresponding question in the ifo Business Survey. To this end, the answer categories are mapped onto a numerical scale with equally spaced intervals. Theoretically, the ifo Business Uncertainty can range from 0 to 100. Higher values indicate higher uncertainty: the future business situation is more difficult to predict.

## ifo Business Cycle Traffic Lights Germany

Monthly probability for economic expansion<sup>a</sup>



<sup>a</sup> Green = high, yellow = medium, red = low. Calculated on the basis of monthly movements in the ifo Business Climate Index Germany.

Source: ifo Business Survey, November 2022.

© ifo Institute

Monthly movements in the ifo Business Climate Index Germany can be translated into probabilities for the two cyclical regimes expansion and contraction using a Markov switching model. The ifo Business Cycle Traffic Lights show the monthly regime probabilities for the expansion phase. Probabilities exceeding the 66 percent mark signal an economic expansion (green lights); probabilities under the 33 percent mark signal a contraction (red lights); probabilities in the range in between those two marks signal indifference (yellow lights). This indifference can be interpreted as a buffer zone between the regimes expansion and contraction, in which particularly great uncertainty exists about the state of the economy.