

**Documentation of the  
Bundesbank Online Panel Firms (BOP-F)**

**Wave 5**

Deutsche Bundesbank  
Research Centre

Version: 1.5 (6 May 2021)

Contact: [unternehmensbefragung@bundesbank.de](mailto:unternehmensbefragung@bundesbank.de)

## Notes

### a General coding

For all questions, the following codes apply.

-9999	Dropout: The respondent did not answer the question due to dropout
-9998	No answer: The respondent clicked "No answer" instead of answering the question
-9997	Don't know: The respondent clicked "Don't know" instead of answering the question
-9996	Does not apply: The respondent clicked "Does not apply to my enterprise" instead of answering the question
-6666	Does not apply: The question or response option was not shown to the respondent due to filters or prior item non-response
-5555	Recorded by BBk: A coding or data error that was recorded by the Bundesbank

### b Legend for question header

Each question header includes information on the name of the question, whether it was part of the core questionnaire ("Core"), included for a specific project ("Pro"), or part of descriptive statistics ("Descript"), the broad topic and the variable name(s).

Legend	Question name	Question source	Topic	Variable name
Example 1	003	Core	Perceived problems	percprob_[a-j]
Example 2	103	Pro	Supply chains qualitative	suppchains_[a-b]

### c Question filtering and coding

Coding details, filters and conditional redirects are highlighted using *Courier*. If questions are posed to all respondents, this is not explicitly stated. For filtered questions, the filter is listed at the top and refers to the question name, e.g.:

<b>103</b>	<b>Pro</b>	<b>Supply chain problems domestic or foreign</b>	<b>suppchain_[a-b]</b>
Input filter: 001_d = 6   7   8   9   10			

### d Variable names

Variable **names** are indicated in the top right corner. If the question has multiple items, the items are indicated by underscores and a **letter**. Enumeration letters correspond to variable names. The **coding** of the variables is numeric and indicates the scale.

A001	Core	Perceptions qualitative	percmacroquali_[a-g]
<p><b>QUESTION:</b> How did the following metrics develop in your enterprise in April 2021 compared with the previous month, i.e. March 2021?</p> <p>1 = Decreased significantly            2 = Decreased slightly            3 = Stayed roughly the same            4 = Increased slightly            5 = Increased significantly            -9996 = Does not apply to my enterprise</p> <p>a Turnover            b Employment (measured in hours worked)            c Access to intermediate inputs            d Current trade receivables            e Current trade payables            f Short-term liquidity            g Need for credit financing            h Access to financing sources            i Inventories (stock of intermediate products and finished goods)</p>			

## Structure of the questionnaires and the dataset

Variable name	Topic	Wave 5	Origin
A_percmacroquali_[a-i]	Perceptions qualitative	A001	Core
A_expmacroquali_[a-h]	Expectations qualitative	A002	Core
A_percprob_[a-h]	Perceived problems	A003	Core
A_supplyreason_[a-e]	Reason problems supply chain	A503A	Pro
A_supplyduration	Duration problems supply chain	A503B	Pro
A_creduse1_[a-b]	Credit use 1	A004	Core
A_creduse2	Credit use 2	A005A	Core
A_nocredreasons	Reasons for no credit	A005B	Core
A_infdef	Inflation expectations qualitative	A509A	Core HH
A_infexppoint	Inflation expectations quantitative	A509B	Core HH
B_percmacroquali_[c-i]	Perceptions qualitative	B001	Core
B_expmacroquali_[c-i]	Expectations qualitative	B002	Core
B_supplyreason_[a-e]	Reasons problems supply chain	B503A	Pro
B_supplyduration	Duration problems supply chain	B503B	Pro
B_keyrateprob_[a-j]	Development key rate probabilistic	B01	Core
B_inflexpoint	Inflation expectations quantitative	B02	Core
B_salespast	Turnover past quarter quantitative	B03	Core
B_salesfuture_[a-e]	Turnover comparable quarter prediction	B04	Core
B_salesprob_[a-e]	Sales comparable quarter probabilistic	B05	Core
B_pricepast	Price change past year quantitative	B06	Core
B_pricefuture_[a-e]	Price change next year quantitative	B07	Core
B_priceprob_[a-e]	Price change probabilistic	B08	Core
B_creduse1	Microfinance credit negotiations	B004	Core
B_creduse2_[a-f]	Microfinance negotiations result	B005A	Core
financingpast_[a-g]	Financing sources past	010	Core
financingfuture_[a-g]	Financing sources future	011	Core
prodchange	Production change due to COVID-19	501	Pro
proddeclinepoint	Production decline due to COVID-19	502A	Pro
prodincreasepoint	Production increase due to COVID-19	502B	Pro
change2020_[a_decr-c_incr]	Quantitative changes 2020	504	Pro
change2022_[a_decr-c_incr]	Quantitative changes 2022	505	Pro
digitalchange_[a-i]	Digitalisation due to COVID-19	506	Pro
digitalimpact_[a-j]	Impact of digitalisation push	507	Pro
consent	Firm characteristics implicit	firmid	Descript
firmemploy_[a-b]	Firm characteristics explicit employment	firmemploy	Descript
firmturnover_[a-b]	Firm characteristics explicit turnover	firmturnover	Descript
firmsector	Firm characteristics explicit economic sector	firmsector	Descript
firmtype	Firm characteristics explicit ownership	firmtype	Descript
firmregion	Firm characteristics explicit region	firmregion	Descript
respondenttype_[a-k]	Characteristics of respondent	respondenttype	Descript
feedback_[a-b]	Feedback questions	006	Core
feedbackopen	Open feedback question	007	Core
panel	Panel participation	008	Core
contact	Contact	009	Core

000	Core	Opening 1
<p>Welcome to the survey of firms conducted on behalf of the Deutsche Bundesbank.</p> <p><b>Important information concerning the survey:</b></p> <ul style="list-style-type: none"> <li>▪ To navigate through the survey, please only use the “Continue” button at the bottom of the screen. Please do <u>not</u> use the buttons in your browser or the back button on your phone or tablet.</li> <li>▪ To ensure that the individual questions are displayed correctly, use an up-to-date browser such as Google Chrome, Mozilla Firefox (version 12 or later), Apple Safari (version 6 or later), Opera (version 20 or later) or Microsoft Edge. Using older browsers, particularly Internet Explorer 8 and earlier, can result in limited functionality in terms of design and ease of use.</li> <li>▪ During the survey, there is <b>no</b> option to go back to questions previously answered. If you would like an overview of the full questionnaire, please visit <a href="https://www.bundesbank.de/en/bundesbank/research/pilot-survey-on-the-expectations-of-firms">https://www.bundesbank.de/en/bundesbank/research/pilot-survey-on-the-expectations-of-firms</a>.</li> </ul> <p>If you have any questions, problems or comments about navigating this questionnaire, you can contact the forsa Support Team from Monday to Friday between 09:00 and 18:00 on the free telephone number 0800 3677202 or by email at <a href="mailto:online-befragung@forsa.de">online-befragung@forsa.de</a>. If you have any questions or comments on the content of the survey, please contact the Bundesbank’s project team by calling +49 (0)69 9566 7623 or by email at <a href="mailto:unternehmensbefragung@bundesbank.de">unternehmensbefragung@bundesbank.de</a>.</p>		

000	Core	Opening 2
<p>Thank you for taking the time to complete this survey. The Deutsche Bundesbank would like to know how the coronavirus crisis has been affecting your enterprise over time and what you are currently expecting for the future.</p> <p>The survey will take roughly 15 minutes to complete. Your answers will be treated confidentially. It will help us a great deal if you answer the questions as carefully as possible.</p>		

000	Core	Opening 3
<p>The Deutsche Bundesbank attaches particular importance to protecting your data. All information you provide will be treated confidentially, in accordance with the legal provisions. Only a few employees at a Bundesbank data trustee will see your survey data after pseudonymisation. Bundesbank employees <b>will receive your data only after they have been further anonymised.</b> Published results are completely anonymous and therefore cannot be traced back to your enterprise. Your answers will help the Deutsche Bundesbank to fulfil its statutory tasks (to learn more about the Bundesbank’s tasks, please click <a href="#">here</a>).</p> <p>Only effectively anonymised data can be passed on to research institutions for research purposes that are related to the Bundesbank’s tasks. You will find more information, details of how to contact the project team and selected results of the survey on the Bundesbank’s website: <a href="https://www.bundesbank.de/en/bundesbank/research/pilot-survey-on-the-expectations-of-firms">https://www.bundesbank.de/en/bundesbank/research/pilot-survey-on-the-expectations-of-firms</a></p> <p>Your participation in our survey is of course voluntary. By participating in this survey, you give your consent for your data to be stored, processed and shared for the purposes of the Deutsche Bundesbank fulfilling its tasks. You may withdraw your consent at any time. However, withdrawing your consent shall not affect the lawfulness of any processing that has taken place on the basis of this declaration of consent before it was withdrawn.</p> <p><i>The following paragraph is shown only to newcomers, not to panellists:</i></p> <p>During the survey, there will be two further requests for consent to link the survey data to business statistics and for another survey. (If you would like to know more about this, please click here.) Needless to say, you can choose not to consent to the above, though we would ask you to take part in the survey and fill in the other information. Your data will help the Deutsche Bundesbank fulfil its statutory tasks.</p>		

---	<b>Split sample 1</b>	<b>RANDOMISATION 1</b>
Randomisation dummy (version) is provided by the Bundesbank and is used for the questions A001 - B005A.		
One factor variable provided by the Bundesbank: version 1 = group A (roughly 34% of contacted firms) 2 = group B1 (roughly 22% of contacted firms) 3 = group B2 (roughly 22% of contacted firms) 4 = group B3 (roughly 22% of contacted firms)		

---	---	<b>Group A</b>
-----	-----	----------------

<b>A001</b>	<b>Core</b>	<b>Perceptions qualitative</b>	<b>A_percmacroquali_[a-i]</b>
Input filter: version = 1 (group A)			
"Don't know" and "No answer" shown as soft prompts if no response selected and the participant clicked on "Continue"			
After the term "Access to financing sources", an info box (i) with the following definition is shown: "Access to financing sources describes the possibility of using various forms of external financing to finance your business activities, e.g. bank loans, trade credits, equity, debt securities or other financing instruments. If the possibilities of using these sources have deteriorated, please state "decreased slightly" or "decreased significantly"."			
After the term "Access to intermediate inputs", an info box (i) with the following text is shown: "If access to intermediate inputs has deteriorated, please state "decreased slightly" or "decreased significantly"."			
<b>QUESTION:</b> How did the following metrics develop in your enterprise in <b>April 2021</b> compared with the previous month, i.e. <b>March 2021</b> ?			
<i>Note: Please select one answer for each row.</i>			
1 = Decreased significantly			
2 = Decreased slightly			
3 = Stayed roughly the same			
4 = Increased slightly			
5 = Increased significantly			
-9996 = Does not apply to my enterprise			
a Turnover:			
b Employment (measured in hours worked):			
c Access to intermediate inputs:			
d Current trade receivables:			
e Current trade payables:			
f Short-term liquidity:			
g Need for credit financing:			
h Access to financing sources:			
i Inventories (stock of intermediate products and finished goods):			

<b>A002</b>	<b>Core</b>	<b>Expectations qualitative</b>	<b>A_expmacroquali_[a-h]</b>
-------------	-------------	---------------------------------	------------------------------

Input filter: version = 1 (group A)

"Don't know" and "No answer" shown as soft prompts if no response selected and the participant clicked on "Continue"

**QUESTION:** How do you think the following metrics will develop in your enterprise over the next six months, i.e. from the **beginning of June** to the **end of November 2021**, compared with the last six months, i.e. from **the beginning of November 2020** to the **end of April 2021**?

*Note: Please select one answer for each row.*

1 = Will decrease significantly

2 = Will decrease slightly

3 = Will stay roughly the same

4 = Will increase slightly

5 = Will increase significantly

-9996 = Does not apply to my enterprise

- a Turnover:
- b Employment (measured in hours worked):
- c Access to intermediate inputs:
- d Current trade receivables:
- e Current trade payables:
- f Short-term liquidity:
- g Need for credit financing:
- h Sales prices in Germany:

A003	Core	Perceived problems	A_percprob_[a-h]
Input filter: version = 1 (group A)			
Order of the first eight categories is generated randomly for each respondent.			
"Don't know" and "No answer" shown as soft prompts if no response selected and the participant clicked on "Continue"			
After the term "Access to financing sources", an info box (i) with the following definition is shown: "Access to financing sources describes the possibility of using various forms of external financing to finance your business activities, e.g. bank loans, trade credits, equity, debt securities or other financing instruments."			
<p><b>QUESTION:</b> How problematic do you think the following aspects will be for your enterprise <u>over the next six months</u>, i.e. from <b>the beginning of June to the end of November 2021</b>?</p> <p><i>Note: Please select all answers that apply.</i></p> <p>1 = No problem at all  2 -&gt; 4 [no label]  5 = An extremely pressing problem  -9996 = Does not apply to my enterprise</p> <ul style="list-style-type: none"> <li>a Lack of customer demand:</li> <li>b High competitive pressure:</li> <li>c Access to financing sources:</li> <li>d Access to intermediate inputs:</li> <li>e High production/labour costs:</li> <li>f Availability of skilled workers and experienced managers:</li> <li>g High level of regulation/government rules (<b>excluding</b> coronavirus-related restrictions/closures):</li> <li>h Closures or work restrictions due to the coronavirus pandemic:</li> </ul>			



A503A	Pro	Reason problems supply chain	A_supplyreason_[a-e]
Input filter: version = 1 (group A)			
Input filter: percprob_d = 4   5 or A_percmacroquali_c = 1   2			
"Don't know" and "No answer" shown as soft prompts if no response selected and the participant clicked on "Continue"			
[if percprob_d = 4   5]			
<b>QUESTION:</b> What are the reasons for your problem accessing intermediate inputs?			
[if percprob_d is not 4   5 and A_percmacroquali_c = 1   2]			
<b>QUESTION:</b> You stated that your firm's access to intermediate inputs had decreased. In your opinion, what are the reasons for this?			
<i>Note: Please select all answers that apply.</i>			
0 = Category not selected			
1 = Category selected			
<ul style="list-style-type: none"> <li>a Disruptions to supply</li> <li>b Supply constraints resulting from increased demand for intermediate inputs</li> <li>c Price increases for intermediate inputs</li> <li>d Other reasons</li> <li>e Reasons mostly unknown</li> </ul>			

A503B	Pro	Duration problems supply chain	A_supplyduration
Input filter: version = 1 (group A)			
Input filter: drandom1 == 4   5			
"Don't know" and "No answer" shown as soft prompts if no response selected and the participant clicked on "Continue"			
<b>QUESTION:</b> How long do you expect the problems surrounding your access to intermediate inputs to last?			
<i>Note: Please select one answer.</i>			
1 = Less than one month			
2 = Up to three months			
3 = Up to twelve months			
4 = More than twelve months			

A004	Core	Credit use 1	A_creduse1_[a-b]
Input filter: version = 1 (group A)			
"Don't know" and "No answer" shown as soft prompts if no response selected and the participant clicked on "Continue"			
After the term "government-sponsored loans", an info box (i) with the following definition is shown: "Government-sponsored loans include, for example, loans subsidised by the KfW Group or by state promotional banks."			
<p><b>QUESTION:</b> In the <b>first quarter of 2021</b> (January to March 2021), did your enterprise negotiate with one or more banks with a view to taking out a loan or establishing a credit line?</p> <p><i>Note: This does not include any government-sponsored loans. Please select one answer for each row.</i></p> <p>1 = Yes 2 = No</p> <p>a Irrespective of the coronavirus crisis b Due to the coronavirus crisis</p>			

A005A	Core	Credit use 2	A_creduse2_[a-f]
Input filter: version = 1 (group A)			
Input filter: creduse1_a = 1 and/or creduse1_b = 1			
<p>[if creduse1_a = 1] You stated that in the first quarter of 2021 your enterprise negotiated with one or more banks with a view to taking out a loan or establishing a credit line, and that this was not due to the coronavirus crisis.</p> <p>[if creduse1_b = 1] You stated that in the first quarter of 2021 your enterprise negotiated with one or more banks with a view to taking out a loan or establishing a credit line, and that this was due to the coronavirus crisis.</p> <p>[if creduse1_a = 1 and creduse1_b = 1] You stated that in the first quarter of 2021 your enterprise negotiated with one or more banks with a view to taking out a loan or establishing a credit line, and that some of these negotiations were due to the coronavirus crisis, and some were not.</p> <p><b>QUESTION:</b> What was the outcome of the negotiations?</p> <p><i>Note: Please select all answers that apply.</i></p> <p>0 = Category not selected 1 = Category selected</p> <p>a Loan/credit line was approved for the desired amount at the desired conditions (interest, collateral) b Loan/credit line was approved for the desired amount but at less favourable conditions c Loan/credit line was approved for a smaller amount, but at the desired conditions d Loan/credit line was approved for a smaller amount and at less favourable conditions e No decision has yet been made regarding the loan application. f Loan negotiations concluded without a deal</p>			

A005B	Core	Reasons for no credit	A_nocredreasons_[a-c]
-------	------	-----------------------	-----------------------

Input filter: version = 1 (group A)
Input filter: A_creduse1_a = 2 and A_creduse1_b = 2; A_creduse1_a = 2 and A_creduse1_b = -9997   -9998; A_creduse1_a = -9997   -9998 and A_creduse1_b = 2
"Don't know" and "No answer" shown as soft prompts if no response selected and the participant clicked on "Continue"
[if creduse1_a = 2 and creduse1_b = 2] <p>You stated that in the <b>first quarter of 2021</b> your enterprise did not negotiate with one or more banks with a view to taking out a loan or establishing a credit line.</p> <p><b>QUESTION:</b> What was the reason for this?</p> <p><i>Note: Please select all answers that apply.</i></p> <p>0 = Category not selected  1 = Category selected</p> <p>a Not required  b Unlikely to be successful  c No longer required; planned borrowing postponed/cancelled due to current developments</p>

A509A	Core HH	Inflation expectations qualitative	A_infdef
Input filter: version = 1 (group A)			
"Don't know" and "No answer" shown as soft prompts if no response selected and the participant clicked on "Continue"			
<p><b>QUESTION:</b> Do you think inflation or deflation is more likely in Germany over the next <b>twelve months</b>?</p> <p><i>Note: Inflation is the percentage increase in the general price level. It is mostly measured using the consumer price index. A decrease in the price level is generally described as "deflation". Please select one answer.</i></p> <p>1 = Inflation more likely  2 = Deflation more likely</p>			

A509B	Core HH	Inflation expectations quantitative	A_inflexppoint
Input filter: version = 1 (group A)			
Both the inflation and deflation rates are entered and stored as positive values. The value of 509A indicates whether the respondent's input describes an inflation or deflation rate. Supported values are between 0 and 100.			
If negative value entered the following error message will be displayed: "Please enter a positive value."			
"Don't know" and "No answer" shown as soft prompts if no response selected and the participant clicked on "Continue"			
<p>If 509A = 1   -9997   -9998</p> <p><b>QUESTION:</b> What do you think the <u>rate of inflation</u> in Germany will be over the next <b>twelve months</b>?</p> <p>If 509A = 2</p> <p><b>QUESTION:</b> What do you think the <u>rate of deflation</u> in Germany will be over the next <b>twelve months</b>?</p> <p><i>Note: Please enter a value with a maximum of one decimal place in the input field.</i></p> <p>[Input field]%</p>			

---	---	<b>Group B</b>
-----	-----	----------------

<b>B001</b>	<b>Core</b>	<b>Perceptions qualitative</b>	<b>B_percmacroquali_[c-i]</b>
Input filter: version = 2 or 3 or 4 (groups B1, B2, B3)			
"Don't know" and "No answer" shown as soft prompts if no response selected and the participant clicked on "Continue"			
<p>After the term "Access to financing sources", an info box (i) with the following definition is shown: "Access to financing sources describes the possibility of using various forms of external financing to finance your business activities, e.g. bank loans, trade credits, equity, debt securities or other financing instruments. If the possibilities of using these sources have deteriorated, please state "decreased slightly" or "decreased significantly"."</p> <p>After the term "Access to intermediate inputs", an info box (i) with the following text is shown: "If access to intermediate inputs has deteriorated, please state "decreased slightly" or "decreased significantly"."</p>			
<p><b>QUESTION:</b> Please consider the period from <b>end-March 2020</b> to <b>end-March 2021</b>. How did the following metrics develop in your enterprise during this period?</p> <p><i>Note: Please select one answer for each row.</i></p> <p>1 = Decreased significantly  2 = Decreased  3 = Stayed roughly the same  4 = Increased  5 = Increased significantly  -9996 = Does not apply to my enterprise</p> <p><b>c</b> Access to intermediate inputs:  <b>d</b> Current trade receivables:  <b>e</b> Current trade payables:  <b>f</b> Short-term liquidity:  <b>g</b> Need for credit financing:  <b>h</b> Access to financing sources:  <b>i</b> Inventories (stock of intermediate products and finished goods):</p>			

B002	Core	Expectations qualitative	B_expmacroquali_[c-i]
Input filter: version = 2 or 3 or 4 (groups B1, B2, B3)			
"Don't know" and "No answer" shown as soft prompts if no response selected and the participant clicked on "Continue"			
<p>After the term "Access to financing sources", an info box (i) with the following definition is shown: "Access to financing sources describes the possibility of using various forms of external financing to finance your business activities, e.g. bank loans, trade credits, equity, debt securities or other financing instruments. If you expect the possibilities of using these sources to deteriorate, please state "decrease" or "decrease significantly"."</p> <p>After the term "Access to intermediate inputs", an info box (i) with the following text is shown: "If you expect access to intermediate inputs to deteriorate, please state "decrease" or "decrease significantly"."</p>			
<p><b>QUESTION: How do you think the following metrics will develop in your enterprise from end-March 2021 to end-March 2022?</b></p> <p><i>Note: Please select one answer for each row.</i></p> <p>1 = Will decrease significantly  2 = Will decrease  3 = Will stay roughly the same  4 = Will increase slightly  5 = Will increase significantly  -9996 = Does not apply to my enterprise</p> <p><b>c</b> Access to intermediate inputs:  <b>d</b> Current trade receivables:  <b>e</b> Current trade payables:  <b>f</b> Short-term liquidity:  <b>g</b> Need for credit financing:  <b>h</b> Access to financing sources:  <b>i</b> Inventories (stock of intermediate products and finished goods):</p>			

B503A	Pro	Reasons problems supply chain	B_supplyreason_[a-e]
Input filter: version = 2 or 3 or 4 (groups B1, B2, B3)			
Input filter: B_percmacroquali_c = 1   2			
"Don't know" and "No answer" shown as soft prompts if no response selected and the participant clicked on "Continue"			
<p><b>QUESTION:</b> You stated that your firm's access to intermediate inputs has decreased. In your opinion, what are the reasons for this?</p> <p><i>Note: Please select all answers that apply.</i></p> <p>0 = Category not selected 1 = Category selected</p> <ul style="list-style-type: none"> <li>a Disruptions to supply</li> <li>b Supply constraints resulting from increased demand for intermediate inputs</li> <li>c Price increases for intermediate inputs</li> <li>d Other reasons</li> <li>e Reasons mostly unknown</li> </ul>			

B503B	Pro	Duration problems supply chain	B_supplyduration
Input filter: version = 2 or 3 or 4 (groups B1, B2, B3)			
Input filter: B_percmacroquali_c = 1   2			
"Don't know" and "No answer" shown as soft prompts if no response selected and the participant clicked on "Continue"			
<p><b>QUESTION:</b> How long do you expect access to intermediate inputs to remain impaired?</p> <p><i>Note: Please select one answer.</i></p> <p>1 = Less than one month 2 = Up to three months 3 = Up to twelve months 4 = More than twelve months</p>			

B01	Core	Development key rate probabilistic	B_keyrateprob_[a-j]																														
Input filter: version = 2 or 3 or 4 (groups B1, B2, B3)																																	
Supported values are between 0 and 100.																																	
<p>The programming of the question requires the sum of the 10 variables to be 100. The current sum of all entered points is shown to the respondent when answering the question. Respondents are asked to correct their responses if the sum does not equal 100. If the sum is not equal to 100, the following error message will be displayed: "Please note that your answers to all scenarios have to add up to 100." Upon entry, the fields should be pre-populated with zeroes. If a negative value is entered, the following error message will be displayed: "Please enter a positive value (possible input values range from 0 to 100)".</p> <p>If no values are entered, the following error message will be displayed: "Please enter a value in the fields or select one of the possible responses below."</p>																																	
<p>After "policy rate of the European Central Bank" an info box (i) with the following text is shown: "The ECB's policy rate is currently the interest rate on the deposit facility, also known as the deposit rate. This is the rate applied when commercial banks deposit overnight liquidity with the Eurosystem".</p>																																	
<p>[if version = 2] (group B1)</p> <p><b>QUESTION:</b> We would now like to ask you some questions about macroeconomic developments. How likely do you think it is that the policy rate of the European Central Bank (ECB) will be within the following bands at the <b>end of March 2022</b>?</p> <p>[if version = 3] (group B2)</p> <p><b>QUESTION:</b> We would now like to ask you some questions about macroeconomic developments. How likely do you think the policy rate of the European Central Bank (ECB) is to fluctuate within the following bands at the <b>end of March 2022</b>? The ECB's policy rate currently stands at -0.5%.</p> <p>[if version = 4] (group B3)</p> <p><b>QUESTION:</b> We would now like to ask you some questions about macroeconomic developments. How likely do you think the policy rate of the European Central Bank (ECB) is to fluctuate within the following bands at the <b>end of March 2022</b>? The ECB's policy rate currently stands at -0.5% and the financial markets are expecting a policy rate of -0.5% at the end of March 2022.</p> <p><i>Note: The aim of this question is to determine how likely you think it is that something specific will happen in the future. You can rate the likelihood on a scale from 0 to 100, with 0 meaning that an event is completely unlikely and 100 meaning that you are absolutely certain it will happen. Use values between the two extremes to moderate the strength of your opinion. Please note that your answers to the categories have to add up to 100. Input fields left blank will be filled with a value of 0.</i></p> <table border="0"> <tr> <td><b>a</b></td> <td>Below -2.00%:</td> <td>[Input field]</td> </tr> <tr> <td><b>b</b></td> <td>Between -2.00% and -1.51%:</td> <td>[Input field]</td> </tr> <tr> <td><b>c</b></td> <td>Between -1.50% and -1.01%:</td> <td>[Input field]</td> </tr> <tr> <td><b>d</b></td> <td>Between -1.00% and -0.51%:</td> <td>[Input field]</td> </tr> <tr> <td><b>e</b></td> <td>Between -0.50% and -0.01%:</td> <td>[Input field]</td> </tr> <tr> <td><b>f</b></td> <td>Between 0.00% and 0.50%:</td> <td>[Input field]</td> </tr> <tr> <td><b>g</b></td> <td>Between 0.51% and 1.00%:</td> <td>[Input field]</td> </tr> <tr> <td><b>h</b></td> <td>Between 1.01% and 1.50%:</td> <td>[Input field]</td> </tr> <tr> <td><b>i</b></td> <td>Between 1.51% and 2.00%:</td> <td>[Input field]</td> </tr> <tr> <td><b>j</b></td> <td>Above 2.00%:</td> <td>[Input field]</td> </tr> </table>				<b>a</b>	Below -2.00%:	[Input field]	<b>b</b>	Between -2.00% and -1.51%:	[Input field]	<b>c</b>	Between -1.50% and -1.01%:	[Input field]	<b>d</b>	Between -1.00% and -0.51%:	[Input field]	<b>e</b>	Between -0.50% and -0.01%:	[Input field]	<b>f</b>	Between 0.00% and 0.50%:	[Input field]	<b>g</b>	Between 0.51% and 1.00%:	[Input field]	<b>h</b>	Between 1.01% and 1.50%:	[Input field]	<b>i</b>	Between 1.51% and 2.00%:	[Input field]	<b>j</b>	Above 2.00%:	[Input field]
<b>a</b>	Below -2.00%:	[Input field]																															
<b>b</b>	Between -2.00% and -1.51%:	[Input field]																															
<b>c</b>	Between -1.50% and -1.01%:	[Input field]																															
<b>d</b>	Between -1.00% and -0.51%:	[Input field]																															
<b>e</b>	Between -0.50% and -0.01%:	[Input field]																															
<b>f</b>	Between 0.00% and 0.50%:	[Input field]																															
<b>g</b>	Between 0.51% and 1.00%:	[Input field]																															
<b>h</b>	Between 1.01% and 1.50%:	[Input field]																															
<b>i</b>	Between 1.51% and 2.00%:	[Input field]																															
<b>j</b>	Above 2.00%:	[Input field]																															



B02	Core	Inflation expectations quantitative	B_inflexpoint
Input filter: version = 2 or 3 or 4 (groups B1, B2, B3)			
Supported values are between -100.0 and 999.0.			
"Don't know" and "No answer" shown as soft prompts if no response selected and the participant clicked on "Continue"			
After the term "inflation rate", an info box (i) with the following text is shown: "Inflation is the percentage increase in the price level for consumer goods and services."			
<p><b>QUESTION:</b> What do you expect the rate of inflation to be <u>over the next twelve months</u>?</p> <p><i>Note: If you expect the price level to increase, please enter a positive percentage value. If you expect the price level to decrease, please enter a negative percentage value. Please enter a value with a maximum of one decimal place.</i></p> <p>[Input field]%</p>			

B03	Core	Turnover past quarter quantitative	B_salespast
Input filter: version = 2 or 3 or 4 (groups B1, B2, B3)			
Ideally, the zeroes at the end should appear in the field/box while the respondent is typing (use JavaScript for that, if possible).			
"Don't know" and "No answer" shown as soft prompts if no response selected and the participant clicked on "Continue"			
After the word "turnover" in the question, an info box (i) with the following definition is shown: "Banks/credit institutions should enter their gross interest and commission income and their net trading income rather than turnover, while insurance companies should enter their gross premiums written."			
If invalid number (negative or including comma or a dot) is entered, the following error message is shown: "Please enter a valid value, without a dot or a comma (possible input values are 1 to 999,999,999)."			
<p><b>QUESTION:</b> We would now like to ask you some more questions about your enterprise. What was the turnover of your enterprise in the <b>first quarter of 2021</b> (January to March 2021)?</p> <p><i>Please enter an amount in full <u>thousands</u> of euro.</i></p> <p>Turnover (excluding VAT): €[Input field],000</p>			

B04	Core	Turnover comparable quarter prediction	B_salesfuture_[a-e]
Input filter: version = 2 or 3 or 4 (groups B1, B2, B3)			
<p>Supported values are between -100 and 999.</p> <p>Firms are expected to provide at least one number.</p> <p>Firms must <u>not</u> be forced to provide all five values.</p> <p>Supported values should be monotonically non-decreasing, e.g. a&lt;=b&lt;=c&lt;=d&lt;=e when all five values are non-missing.</p> <p>When programming the questionnaire, please be mindful of scenarios in which firms provide, for instance, only three values (e.g. 1, 2, 4, NA, NA; or 1, NA, 2, NA, 3) or only two values (e.g. 1, NA, NA, NA, 2; or NA, 1, 2, NA, NA.).</p> <p>When values are NOT monotonically non-decreasing, then the following message should be shown: "Please make sure that your answers are ordered from the lowest value to the highest."</p>			
<p>After the term "turnover", an info box (i) with the following definition is shown: "Banks/credit institutions should enter their gross interest and commission income and their net trading income rather than turnover, while insurance companies should enter their gross premiums written."</p>			
<p><b>QUESTION:</b> By how much do you think your turnover will potentially change in the <b>first quarter of 2022</b> (January to March 2022) compared to your turnover in the <b>first quarter of 2021</b> (January to March 2021)? Please indicate what <u>percentage change in your turnover</u> you would expect in the following scenarios.</p> <p><i>Note: If you expect turnover to increase, please enter a positive percentage value. If you expect turnover to decrease, please enter a negative percentage value. Please make sure your answers are ordered from the lowest value to the highest.</i></p> <p><b>a</b> The <b>lowest</b> potential percentage change would be: [Input field]%</p> <p><b>b</b> A <b>low</b> potential percentage change would be: [Input field]%</p> <p><b>c</b> A <b>medium</b> potential percentage change would be: [Input field]%</p> <p><b>d</b> A <b>high</b> potential percentage change would be: [Input field]%</p> <p><b>e</b> The <b>highest</b> potential percentage change would be: [Input field]%</p>			

B05	Core	Turnover comparable quarter probabilistic	B_salesprob_[a-e]
Input filter: version = 2 or 3 or 4 (groups B1, B2, B3)			
Input filter: at least one figure provided in B_salesfuture			
Supported values are between 0 and 100.			
<p>The programming of the question requires the sum of the 5 variables to be 100. The current sum of all entered points is shown to the respondent when answering the question. Respondents are asked to correct their responses if the sum does not equal 100.</p> <p>If the sum is not equal to 100 the following error message will be displayed:            "Please note that your answers to all scenarios have to add up to 100."            If possible, only those fields should be active for which a value has been provided in the previous question.</p>			
<p>After the term "turnover", an info box (i) with the following definition is shown:            "Banks/credit institutions should enter their gross interest and commission income and their net trading income rather than turnover, while insurance companies should enter their gross premiums written."</p>			
<p><b>QUESTION:</b> How likely do you think it is that the individual scenarios for the change in your turnover in the <b>first quarter of 2022</b> (January to March 2022) compared to your turnover in the <b>first quarter of 2021</b> (January to March 2021) will materialise?</p> <p><i>Note: The aim of this question is to determine how likely you think it is that something specific will happen in the future. You can rate the likelihood on a scale from 0 to 100, with 0 meaning that an event is completely unlikely and 100 meaning that you are absolutely certain it will happen. Use values between the two extremes to moderate the strength of your opinion. Please note that your answers to the categories have to add up to 100.</i></p> <p>a The likelihood of a change of around {salesfuture[a]}% is: <input type="text"/></p> <p>b The likelihood of a change of around {salesfuture[b]}% is: <input type="text"/></p> <p>c The likelihood of a change of around {salesfuture[c]}% is: <input type="text"/></p> <p>d The likelihood of a change of around {salesfuture[d]}% is: <input type="text"/></p> <p>e The likelihood of a change of around {salesfuture[e]}% is: <input type="text"/></p>			

B06	Core	Price change past year quantitative	B_pricepast
Input filter: version = 2 or 3 or 4 (groups B1, B2, B3)			
Supported values are between -100 and 999.			
<p><b>QUESTION:</b> Please consider the period from <b>end-March 2020</b> to <b>end-March 2021</b>. Please enter the average percentage change in the <u>prices charged</u> for your products and services in this period.</p> <p><i>Note: If prices increased, please enter a positive percentage value. If prices decreased, please enter a negative percentage value. Please enter a value with a maximum of one decimal place.</i></p> <p><input type="text"/>%</p>			

B07	Core	Price change next year quantitative	B_pricefuture_[a-e]
Input filter: version = 2 or 3 or 4 (groups B1, B2, B3)			
<p>Supported values are between -100 and 999.</p> <p>Firms are expected to provide at least one number.</p> <p>Firms must <u>not</u> be forced to provide all five values.</p> <p>Supported values should be monotonically non-decreasing, e.g. a&lt;=b&lt;=c&lt;=d&lt;=e when all five values are non-missing.</p> <p>When programming the questionnaire, please be mindful of scenarios in which firms provide, for instance, only three values (e.g. 1, 2, 4, NA, NA; or 1, NA, 2, NA, 3) or only two values (e.g. 1, NA, NA, NA, 2; or NA, 1, 2, NA, NA.).</p> <p>When values are NOT monotonically non-decreasing, then the following message should be shown: "Please make sure that your answers are ordered from the lowest value to the highest."</p>			
<p><b>QUESTION:</b> Now consider the period from <b>end-March 2021</b> to <b>end-March 2022</b>, part of which is in the future. What average percentage change in the <u>prices charged</u> for your products and services do you consider likely in the following scenarios?</p> <p><i>Note: If prices increased, please enter a positive percentage value. If prices decreased, please enter a negative percentage value. Please make sure your answers are ordered from the lowest value to the highest. Please enter values with a maximum of one decimal place.</i></p> <p><b>a</b> The <b>lowest</b> potential percentage change would be: [Input field]%</p> <p><b>b</b> A <b>low</b> potential percentage change would be: [Input field]%</p> <p><b>c</b> A <b>medium</b> potential percentage change would be: [Input field]%</p> <p><b>d</b> A <b>high</b> potential percentage change would be: [Input field]%</p> <p><b>e</b> The <b>highest</b> potential percentage change would be: [Input field]%</p>			

B08	Core	Price change probabilistic	B_priceprob_[a-e]
Input filter: version = 2 or 3 or 4 (groups B1, B2, B3)			
Input filter: at least one figure provided in B_salesfuture			
Supported values are between 0 and 100.			
<p>The programming of the question requires the sum of the 5 variables to be 100. The current sum of all entered points is shown to the respondent when answering the question. Respondents are asked to correct their responses if the sum does not equal 100.</p> <p>If the sum is not equal to 100 the following error message will be displayed:            "Please note that your answers to all scenarios have to add up to 100."            If possible, only those fields should be active for which a value has been provided in the previous question.</p>			
<p><b>QUESTION:</b> How likely do you think it is that the individual scenarios for the development of <u>your prices</u> from <b>end-March 2021</b> to <b>end-March 2022</b> will materialise?</p> <p><i>Note: The aim of this question is to determine how likely you think it is that something specific will happen in the future. You can rate the likelihood on a scale from 0 to 100, with 0 meaning that an event is completely unlikely and 100 meaning that you are absolutely certain it will happen. Use values between the two extremes to moderate the strength of your opinion. Please note that your answers to the categories have to add up to 100.</i></p> <p>a The likelihood of a change of around {pricefuture[a]}% is: [Input field]</p> <p>b The likelihood of a change of around {pricefuture[b]}% is: [Input field]</p> <p>c The likelihood of a change of around {pricefuture[c]}% is: [Input field]</p> <p>d The likelihood of a change of around {pricefuture[d]}% is: [Input field]</p> <p>e The likelihood of a change of around {pricefuture[e]}% is: [Input field]</p>			

B004	Core	Microfinance credit negotiations	B_creduse1
Input filter: version = 2 or 3 or 4 (groups B1, B2, B3)			
"Don't know" and "No answer" shown as soft prompts if no response selected and the participant clicked on "Continue"			
<p><b>QUESTION:</b> In the <b>first quarter of 2021</b> (January to March 2021), did your enterprise negotiate with one or more banks with a view to taking out a loan or establishing a credit line?</p> <p>1 = Yes            2 = No</p>			

B005A	Core	Microfinance negotiations result	B_creduse2_[a-f]
Input filter: version = 2 or 3 or 4 (groups B1, B2, B3)			
Input filter: B_creduse1 = 1			
"Don't know" and "No answer" shown as soft prompts if no response selected and the participant clicked on "Continue"			
<p><b>QUESTION:</b> What was the outcome of these negotiations?</p> <p><i>Note: Please select all answers that apply.</i></p> <p>0 = Category not selected 1 = Category selected</p> <ul style="list-style-type: none"> <li><b>a</b> Loan/credit line was approved for the desired amount at the desired conditions (interest, collateral, etc.)</li> <li><b>b</b> Loan/credit line was approved for the desired amount but at less favourable conditions</li> <li><b>c</b> Loan/credit line was approved for a smaller amount, but at the desired conditions</li> <li><b>d</b> Loan/credit line was approved for a smaller amount and at less favourable conditions</li> <li><b>e</b> No decision has yet been made regarding the loan application.</li> <li><b>f</b> Loan negotiations concluded without a deal</li> </ul>			

---	---	<b>GROUPS A and B</b>
-----	-----	-----------------------

<b>010</b>	<b>Core</b>	<b>Financing sources past</b>	<b>financingquali_[a-g]</b>
No input filter			
"Don't know" and "No answer" shown as soft prompts if no response selected and the participant clicked on "Continue"			
After the term "government-sponsored loans", an info box (i) with the following definition is shown: "Government-sponsored loans include, for example, public sector support in the form of guarantees, reduced interest rates or funding grants."			
For each individual answer, separate options "No answer" and "Don't know" are supplied as a soft prompt, i.e. after clicking "Continue" without having answered.			
<p><b>QUESTION: Did your enterprise use the following <u>financing sources</u> over the past <b>three months</b>?</b></p> <p><i>Note: Please select one answer for each row. Please consider the last three full calendar months when answering this question.</i></p> <p>1 = Yes  2 = No, but used prior to this period  3 = No, never used to date</p> <p><b>a</b> Retained earnings:  <b>b</b> Bank loans (excluding overdrafts):  <b>c</b> Overdrafts:  <b>d</b> Government-sponsored loans:  <b>e</b> Trade credits (including advances and trade payables):  <b>f</b> Equity:  <b>g</b> Other instruments (debt securities, other loans (including to affiliated enterprises), leases/hire purchase and factoring):</p>			

<b>011</b>	<b>Core</b>	<b>Financing sources future</b>	<b>financingfuture_[a-g]</b>
Input filter: only show items with financingpast_[a-g] = 3			
"Don't know" and "No answer" shown as soft prompts if no response selected and the participant clicked on "Continue"			
After the term "government-sponsored loans", an info box (i) with the following definition is shown: "Government-sponsored loans include, for example, public sector support in the form of guarantees, reduced interest rates or funding grants."			
For each individual answer, separate options "No answer" and "Don't know" are supplied as a soft prompt, i.e. after clicking "Continue" without having answered.			

**QUESTION:** Is your enterprise planning to use the following financing sources over the next **three months**?

*Note: Please select one answer for each row. Please consider the next three calendar months when answering this question.*

1 = Yes

2 = No, however, there are plans to use them at a later point in time

3 = No, no use at all planned

- a Retained earnings:
- b Bank loans (excluding overdrafts):
- c Overdrafts:
- d Government-sponsored loans:
- e Trade credits (including advances and trade payables):
- f Equity:
- g Other instruments (debt securities, other loans (including to affiliated enterprises), leases/hire purchase and factoring):

501	Pro	Production change due to COVID-19	prodchange
No input filter			
"Don't know" and "No answer" shown as soft prompts if no response selected and the participant clicked on "Continue"			
<p><b>QUESTION:</b> How did your production/business activity in <b>April 2021</b> develop <u>as a result of the coronavirus pandemic</u> compared with the typical level of production/business activity in April, e.g. in 2019?</p> <p><i>Please select one answer.</i></p> <p>1 = Decreased</p> <p>2 = Stayed roughly the same</p> <p>3 = Increased</p> <p>4 = Cannot be assessed</p> <p>-9996 = Does not apply to my enterprise</p>			



502A	Pro	Production decline due to COVID-19	proddeclinepoint
Input filter: prodchange = 1			
Supported values are between 1 and 100.			
"Don't know" and "No answer" shown as soft prompts if no response selected and the participant clicked on "Continue"			
<p><b>QUESTION:</b> How large was the decrease in your production/business activity in <b>April 2021</b> <u>as a result of the coronavirus pandemic</u> compared with the typical level of production/business activity in April, e.g. in 2019?</p> <p><i>Please enter a value in the input field.</i></p> <p>[Input field]%</p>			

502B	Pro	Production increase due to COVID-19	prodincreasepoint
Input filter: prodchange = 3			
Supported values are between 1 and 9999.			
"Don't know" and "No answer" shown as soft prompts if no response selected and the participant clicked on "Continue"			
<p><b>QUESTION:</b> How large was the increase in your production/business activity in <b>April 2021</b> <u>as a result of the coronavirus pandemic</u> compared with the typical level of production/business activity in April, e.g. in 2019?</p> <p><i>Note: Please enter a value in the input field.</i></p> <p>[Input field]%</p> <p>If value &gt; 100, query: "Are you sure your production/business activity increased by more than 100%, i.e. it more than doubled?" Option to change input on the next page.</p>			

504	Proposal	Quantitative changes 2020	change2020_[a_decr-c_incr]																
No input filter																			
Supported values are between 1 and 100 for "Decreased". Supported values are between 1 and 999 for "Increased".																			
"Don't know" and "No answer" shown as soft prompts if no response selected and the participant clicked on "Continue"																			
After the term "production costs", an info box (i) with the following definition is shown: "In this context, the average production costs comprise all costs related to the production of goods or services destined for sale (in other words, the cost of sales). This includes, in particular, material costs and labour costs as well as the cost of debt that can be attributed to production."																			
<p><b>QUESTION:</b> How did the following metrics develop in your enterprise at <b>year-end 2020</b> as compared to <b>year-end 2019</b>?</p> <p><i>Note: Please enter the <u>estimated</u> percentage change in each case or select "Stayed the same". For a decrease, please enter a value between 1 and 100. For an increase, please enter a value between 1 and 999.</i></p> <p>1. Response option: Decreased, by roughly ...% 2. Response option: Stayed the same 3. Response option: Increased, by roughly ...%</p> <p>a Number of <u>hours worked</u>: b Average <u>sales price</u>: c Average <u>production costs</u>:</p> <p>NOTE FOR PROGRAMMING: <b>The question should be programmed as a matrix question. However, as the response takes the form of an entry rather than just a cross, the following variables have to be generated to save the information in the online questionnaire:</b></p> <p>a_decr Hours worked: Decreased, by roughly [Input field]% a_unch Hours worked: Stayed the same a_incr Hours worked: Increased, by roughly [Input field]%</p> <p>b_decr Average sales price: Decreased, by roughly [Input field]% b_unch Average sales price: Stayed the same b_incr Average sales price: Increased, by roughly [Input field]%</p> <p>b_decr Average production costs: Decreased, by roughly [Input field]% c_unch Average production costs: Stayed the same b_incr Average production costs: Increased, by roughly [Input field]%</p> <p><b>In other words, only one variable is filled in per row, the other two remain "missing".</b> <b>An example for visualisation:</b> a_decr == 9; b_unch == 1; c_incr == 12; all other variables == missing</p> <table border="1"> <thead> <tr> <th></th> <th>Decreased, by roughly</th> <th>Stayed the same</th> <th>Increased, by roughly</th> </tr> </thead> <tbody> <tr> <td>Hours worked</td> <td>9%</td> <td><input type="checkbox"/></td> <td>___%</td> </tr> <tr> <td>Average sales price</td> <td>___%</td> <td><input checked="" type="checkbox"/></td> <td>___%</td> </tr> <tr> <td>Average production costs</td> <td>___%</td> <td><input type="checkbox"/></td> <td>12%</td> </tr> </tbody> </table>					Decreased, by roughly	Stayed the same	Increased, by roughly	Hours worked	9%	<input type="checkbox"/>	___%	Average sales price	___%	<input checked="" type="checkbox"/>	___%	Average production costs	___%	<input type="checkbox"/>	12%
	Decreased, by roughly	Stayed the same	Increased, by roughly																
Hours worked	9%	<input type="checkbox"/>	___%																
Average sales price	___%	<input checked="" type="checkbox"/>	___%																
Average production costs	___%	<input type="checkbox"/>	12%																

505	Proposal	Quantitative changes 2022	change2022_[a_decr-e_incr]
No input filter			
Supported values are between 1 and 100 for "Decreased". Supported values are between 1 and 999 for "Increased".			
"Don't know" and "No answer" shown as soft prompts if no response selected and the participant clicked on "Continue"			
<p>After the term "turnover", an info box (i) with the following definition is shown: "Banks/credit institutions should enter their gross interest and commission income and their net trading income rather than turnover, while insurance companies should enter their gross premiums written."</p> <p>After the term "production costs", an info box (i) with the following definition is shown: "In this context, the average production costs comprise all costs related to the production of goods or services destined for sale (in other words, the cost of sales). This includes, in particular, material costs and labour costs as well as the cost of debt that can be attributed to production."</p>			
<p><b>QUESTION:</b> How do you think the following metrics will develop in your enterprise at <b>year-end 2022</b> as compared to <b>year-end 2019</b>?</p> <p><i>Note: Please enter the <u>estimated</u> percentage change in each case or select "Will stay the same". For a decrease, please enter a value between 1 and 100. For an increase, please enter a value between 1 and 999.</i></p> <ol style="list-style-type: none"> <li>1. Response option: Will decrease, by roughly ...%</li> <li>2. Response option: Will stay the same</li> <li>3. Response option: Will increase, by roughly ...%</li> </ol> <ol style="list-style-type: none"> <li>a Annual <u>turnover</u>:</li> <li>b Number of <u>employees</u>:</li> <li>c Number of <u>hours worked</u>:</li> <li>d Average <u>sales price</u>:</li> <li>e Average <u>production costs</u>:</li> </ol> <p>[NOTE FOR PROGRAMMING: See previous question]</p>			

506	Pro	Digitalisation due to COVID-19	digitalchange_[a-i]
No input filter			
"Don't know" and "No answer" shown as soft prompts if no response selected and the participant clicked on "Continue"			
<p><b>QUESTION:</b> How has the <u>use</u> of the following digital technologies in your enterprise changed since the <b>onset of the coronavirus pandemic</b>?</p> <p><i>Note: Please select one answer for each row. If any of the technologies listed was neither used before the pandemic nor is in use now, please select the option "Still no use".</i></p> <p>1 = Decreased significantly  2 = Decreased slightly  3 = Stayed the same  4 = Increased slightly  5 = Increased significantly  6 = Still no use  -9996 = Does not apply to my enterprise</p> <p>a Hardware (e.g. notebooks, tablets):  b Software:  c Cloud computing/cloud services:  d Machine learning/artificial intelligence:  e Robotics:  f E-commerce solutions:  g Working from home/teleworking:  h Video conferences/digital meetings:  i Digital technologies <u>as a whole</u>:</p> <p>[Note for programming: set options 6 &amp; -9996 slightly apart in the depiction]</p>			

507	Pro	Impact of digitalisation push	digitalimpact_[a-k]
<p>Input filter digitalchange_a = 4   5 or digitalchange_b = 4   5 or digitalchange_c = 4   5 or digitalchange_d = 4   5 or digitalchange_e = 4   5 or digitalchange_f = 4   5 or digitalchange_g = 4   5 or digitalchange_h = 4   5 or digitalchange_i = 4   5</p> <p>[i.e. at least once an answer 4 or 5 was selected in question digitalchange_[a-i]]</p> <p>"Don't know" and "No answer" shown as soft prompts if no response selected and the participant clicked on "Continue"</p>			
<p>After the term "turnover", an info box (i) with the following definition is shown: "Banks/credit institutions should enter their gross interest and commission income and their net trading income rather than turnover, while insurance companies should enter their gross premiums written."</p> <p>After the term "product innovations", an info box (i) with the following definition is shown: "Introduction of new or significantly improved products/services to the market."</p> <p>After the term "process innovations", an info box (i) with the following definition is shown: "Introduction of new or significantly improved processes within the enterprise."</p> <p>After the term "average production costs", an info box (i) with the following definition is shown: "In this context, the production costs comprise all costs related to the production of goods or services destined for sale (in other words, the cost of sales). This includes, in particular, material and labour costs as well as the cost of debt that can be attributed to production."</p> <p>After the term "firm productivity", an info box (i) with the following definition is shown: "Units produced per amount of production factors used (labour and capital)".</p>			
<p><b>QUESTION: How do you expect <u>the increased use of digital technologies in your enterprise</u> to affect the following metrics in your enterprise in the long term?</b></p> <p><i>Note: Please select one answer for each row.</i></p> <p>1 = Significant reduction  2 = Slight reduction  3 = Neither reduction nor increase  4 = Slight increase  5 = Significant increase  -9996 = Does not apply to my enterprise</p> <p>a Turnover:  b Number of employees:  c Number of hours worked:  d Average sales price:  e Average production costs:  f Firm productivity:  g Number of product innovations:  h Number of process innovations:  i Investment expenditure:  j Average income of employees:  k Company profit:</p>			

consent	Descript	Firm characteristics implicit	firmid
Input filter newcomer = 1			

The information collected needs to be categorised in order to complete it. When evaluating the survey data, the Bundesbank would therefore like to merge this information with data **it has** on record to fulfil its tasks and which are kept in a separate database of enterprises at its premises in Frankfurt. If you do not consent to this, the Bundesbank will rely on you to categorise this information yourself by means of additional questions. As you can see there, these data relate to the size, balance sheet, legal form, economic sector and other structural details of your enterprise. Your consent is required to merge these data with the survey data.

The data records will be merged at a data trustee – the Deutsche Bundesbank’s Research Data and Service Centre (RDSC). The security of your data is ensured when this information is subsequently processed at the RDSC. Your consent is of course voluntary. You may withdraw it at any time. However, withdrawing your consent shall not affect the lawfulness of any processing that has taken place on the basis of this declaration of consent before it was withdrawn.

1 = Yes, consent granted.

2 = No, consent not granted.

3 = I am not authorised to grant consent.

<b>firmemploy</b>	<b>Descript</b>	<b>Firm characteristics explicit employment</b>	<b>firmemploy_[a-b]</b>
No input filter			
Supported values are >= 0.			
"Don't know" and "No answer" shown as soft prompts if no response selected and the participant clicked on "Continue"			
If invalid number (negative or including comma or a dot) is entered, the following error message is shown: "Please enter a valid value, without a dot or a comma (possible input values are 0 to 9999999)."			
<p><b>QUESTION: How many employees did your enterprise have approximately on 31 December 2019 and on 31 December 2020?</b></p> <p><b>a</b> Number of employees on 31 December 2019: [Input field]</p> <p><b>b</b> Number of employees on 31 December 2020: [Input field]</p>			

firmturnover	Descript	Firm characteristics explicit turnover	firmturnover_[a-b]
No input filter			
Supported values are >= 0 [thousand].			
"Don't know" and "No answer" shown as soft prompts if no response selected and the participant clicked on "Continue"			
After the term "turnover", an info box (i) with the following definition is shown: "Banks/credit institutions should enter their gross interest and commission income and their net trading income rather than turnover, while insurance companies should enter their gross premiums written."			
If invalid number (negative or including comma or a dot) is entered, the following error message is shown: "Please enter a valid value, without a dot or a comma (possible input values are 1 to 999999999)."			
<p><b>QUESTION:</b> What was the <b>turnover</b> of your enterprise in 2019 and in 2020? Please enter amounts in full <u>thousands</u> of euro.</p> <p><b>a</b> Turnover (excluding VAT) in 2019: [Input field],000 euro</p> <p><b>b</b> Turnover (excluding VAT) in 2020: [Input field],000 euro</p>			

firmsector	Descript	Firm characteristics explicit economic sector	firmsector
Input filter newcomer = 1			
After the term "economic sector", an info box (i) with the following explanation is shown: "All economic sectors according to the IAB Establishment Panel classification are listed here."			
<p><b>QUESTION:</b> To which economic sector does your enterprise best belong?</p> <p><i>Please select one answer.</i></p> <p>1 = Agriculture, forestry and fishing  2 = Mining and quarrying, electricity, gas and water supply  3 = Sewerage and waste management  4 = Food products, beverages and tobacco  5 = Consumer products (excluding manufacture of timber products)  6 = Industrial goods (including manufacture of timber products)  7 = Capital and consumer goods  8 = Construction  9 = Wholesale, sale and repair of motor vehicles  10 = Retail  11 = Transportation and warehousing  12 = Information and communication  13 = Hotels and restaurants  14 = Financial and insurance activities  15 = Economic, scientific and freelance services  16 = Education  17 = Health and social services  18 = Other services  19 = Representations of interests  20 = Public administration, defence, social security</p>			

firmtype	Descript	Firm characteristics explicit ownership	firmtype
Input filter newcomer = 1			
<p><b>QUESTION:</b> How would you describe your enterprise?</p> <p><i>Note: Please select all answers that apply.</i></p> <p>[a] An independent profit-driven enterprise that makes its own financial decisions  [b] A branch of another enterprise  [c] A subsidiary of another enterprise  [d] A non-profit institution  [e] A family business</p>			



firmregion	Descript	Firm characteristics explicit region	firmregion
Input filter newcomer = 1			
<p><b>QUESTION:</b> In which federal state is your enterprise's head office in Germany based?</p> <p>1 = Baden-Württemberg  2 = Bavaria  3 = Berlin  4 = Brandenburg  5 = Bremen  6 = Hamburg  7 = Hesse  8 = Mecklenburg-West Pomerania  9 = Lower Saxony  10 = North Rhine-Westphalia  11 = Rhineland-Palatinate  12 = Saarland  13 = Saxony  14 = Saxony-Anhalt  15 = Schleswig-Holstein  16 = Thuringia</p>			

Respondenttype	Descript	Characteristics of respondent	Respondenttype_[a-k]
No input filter			
<p>We would now like to learn more about your role in your enterprise.</p> <p><b>QUESTION:</b> In which area of your enterprise do you work?</p> <p><i>Note: Please select all answers that apply.</i></p> <p>[a] Management board  [b] Finance/control/accounting  [c] Sales/marketing/communication  [d] Another area (please specify): [Input field] respondenttype_e</p>			
<p><b>QUESTION:</b> Which job title best describes your role?</p> <p>Please select all answers that apply.</p> <p>[f] Owner/executive director/member of the management board/holder of a general commercial power of attorney (Prokura)  [g] Head of division  [h] Team leader  [i] Clerical officer  [j] Other (please specify): [Input field] respondenttype_k</p>			

006	Core	Feedback questions	feedback_[a-b]
No input filter			
"Don't know" and "No answer" shown as soft prompts if no response selected and the participant clicked on "Continue"			
<p><b>QUESTION:</b> How <b>difficult</b> did you find the survey overall?</p> <p>1 = Very difficult  2 = Somewhat difficult  3 = Partly difficult/partly easy  4 = Somewhat easy  5 = Very easy</p>			
<p><b>QUESTION:</b> How did you find <b>the length</b> of the survey?</p> <p>1 = Far too long  2 = Somewhat too long  3 = Just right  4 = Somewhat too short  5 = Far too short</p>			

007	Core	Open feedback question	feedbackopen
No input filter			
Variable is not included in the scientific use file.			
<p><b>QUESTION:</b> If you have any suggestions or criticism about the survey, please let us know here.</p> <p>1 = [Input field]  2 = No, nothing/no answer</p>			

008	Core	Panel participation	panel
Input filter newcomer = 1			
<p><b>QUESTION:</b> In order to find out how you continue to manage the crisis and how your enterprise develops over the next few years, we would, going forward, like to invite you to complete a survey at intervals of one to six months. We will need to keep your contact details on file so that we can get in touch with you about the new survey. To do this, we require your consent under the Data Protection Act.</p> <p>Your contact details will be kept separately from the questionnaire and solely for the purpose of this further survey. They will never be traced back to the answers you have provided. Your information will remain anonymous as described above and your data will never be passed on to third parties. Once the last survey is complete, your contact details will be permanently deleted. The data protection statement on the processing of personal contact details, as well as contact details for the data protection officer and information about the rights of data subjects can be found in the general data protection notice at <a href="http://www.bundesbank.de/unternehmensstudie">www.bundesbank.de/unternehmensstudie</a>.</p> <p>We would be very grateful if you decided to continue participating in our research project. Of course, this is also voluntary and you can withdraw your consent at any time.</p> <p><b>I agree that my address may be kept on file for further surveys: (please select)</b></p> <p>1 = Yes 2 = No</p>			

009	Core	Contact	contact
Input filter newcomer = 1			
<p><b>QUESTION:</b> To make it easier for us to contact you about a new survey, please give us an email address that we can use to contact your enterprise. This email address will not be used for any other purpose and will be treated with the same level of confidentiality as your other contact details.</p> <p><i>Note: Please type your email address in the text field.</i></p> <p>[Input field]</p>			