

January 2019

ECB Survey of Professional Forecasters (SPF)¹: description of SPF dataset

Dataset description and file structure

The purpose of this document is to explain the structure and the technical characteristics of the dataset including the individual forecasters' data series. This document serves as a manual to the files named:

"SPF_xxxxQx.csv"

Individual spreadsheets are provided for each SPF forecast round. The files are in .csv format, a standard that is supported by most analytical software across various system platforms and can be opened by standard desktop applications, e.g. Microsoft Excel.

1 Variables

The ECB micro-data SPF contains point forecasts and expected probability distributions for four main economic indicators, and point forecasts for other variables, which in the data file are labelled 'assumptions':

1) Inflation

Inflation is defined as the year on year percentage change of the Harmonised Index of Consumer Prices (HICP) published by Eurostat.

2) Core Inflation

Core inflation is defined as the year on year percentage change of the Harmonised Index of Consumer Prices (HICP), excluding energy, food, alcohol and tobacco, as published by Eurostat

3) Real GDP

Real gross domestic product growth is defined as the year on year percentage change of real GDP, based on standardised ESA definition.

4) Unemployment

The unemployment rate refers to Eurostat's definition and it is calculated as percentage of the labour force.

5) Other expectations ('assumptions')

Point forecasts of the ECB's interest rate for main refinancing operations, oil prices (USD/barrel), the USD/EUR exchange rate and annual growth in whole economy compensation per employee.

¹ If you have any questions concerning the SPF please contact <u>ecb-spf@ecb.europa.eu</u>

2 Forecast horizons

The SPF dataset contains forecasts for up to six different forecast horizons for each of the main macroeconomic indicators:²

- 1) a forecast for the current calendar year
- 2) a forecast for the next calendar year
- 3) a forecast for the calendar year after next
- 4) a longer term forecast (four calendar years ahead in the Q1 and Q2 rounds and five calendar years ahead in the Q3 and Q4 rounds)
- 5) a "rolling horizon" forecast for the month (for HICP inflation and the unemployment rate) and quarter (for GDP growth) one year ahead of the latest available observation (at the time of the survey)
- 6) a "rolling horizon" forecast for the month (for HICP inflation and the unemployment rate) and quarter (for GDP growth) two years ahead of the latest available observation (at the time of the survey).

The rolling horizons are set 1- and 2-years ahead of the period (month or quarter) for which the latest official release of a given macroeconomic indicator is available, and therefore differ across the indicators. For example, in the survey conducted in the first quarter of 2007 (after the release of the December 2006 figure for HICP inflation) the participants were asked to report their expectations for the year-on-year rate of change in the euro area HICP in December 2007 and December 2008. By then, the latest available GDP data related to the third quarter of 2006 and the latest unemployment rate figure was for November 2006. Hence, respondents were asked for their expectations for GDP in the third quarter of 2007 and 2008 and the unemployment rate in November 2007 and November 2008. In the 2007 Q2 SPF (conducted after the release of the March 2007 HICP figure), participants were asked for their expectations for the inflation rate in March 2008 and March 2009, and so on.

2) a forecast for the next calendar year

In these earlier rounds the forecasts for the five years ahead calendar year and the five years ahead rolling horizon were asked only in the first round of each year (i.e. the Q1 SPF rounds).

The calendar year after next forecast horizon in the Q3 and Q4 rounds was introduced in 2000. It was extended to Q1 and Q2 rounds in 2013 Q1.

² This is the forecast horizon structure used since the 2001 Q2 SPF round. Before that the horizons in use were the following (see also Annex 1):

¹⁾ a forecast for the current calendar year

³⁾ a forecast for the calendar year after next

⁴⁾ a forecast for the calendar year five years ahead

⁵⁾ a "rolling horizon" forecast for the month (for HICP inflation and the unemployment rate) and the quarter (for GDP growth) one year ahead of the latest available data, at the time the survey is conducted:

⁶⁾ a "rolling horizon" forecast for the month (for HICP inflation and the unemployment rate) and the quarter (for GDP growth) two years ahead of the latest available data, at the time the survey is conducted;

⁷⁾ a "rolling horizon" forecast for the month (for HICP inflation and the unemployment rate) and the quarter (for GDP growth) five years ahead of the latest available data, at the time the survey is conducted.

The forecast horizon structure for all assumptions *except for labour costs* also comprises rolling horizons and calendar year horizons, according to the following scheme³:

- 1) four consecutive quarters starting with the quarter when the survey is conducted;
- 2) a forecast for the next calendar year (annual average);
- 3) a forecast for the calendar year after next (annual average).

The scheme for labour costs constitutes calendar year horizons *only*, in particular the following:

- 1) a forecast for the current calendar year (annual average);
- 2) a forecast for the next calendar year (annual average);
- 3) a forecast for the calendar year after next (annual average);
- 4) a longer term forecast (four calendar years ahead in the Q1 and Q2 rounds and five calendar years ahead in the Q3 and Q4 rounds).

The SPF horizon structure for each round in 2018 is shown in Annex 2.

3 Observation types

For each of the three macroeconomic indicators there are two classes of observation types in use in the ECB SPF:

1) Point forecasts

Forecasters are asked to provide a single value or a point forecast of the variable for each of the time horizons

2) Probability distribution forecasts

Forecasters are asked to provide also a probability distribution of forecasted outcomes for each time horizon. Forecasters are asked to report the probability distribution along a set of intervals provided by the ECB for each indicator. The set of intervals varies between macroeconomic indicators and is subject to revisions whenever deemed necessary to take account of economic developments. Annex 3 shows a graphical overview of the intervals used in the different SPF rounds so far.

³ This is the forecast horizon structure used since the 2013 Q1 SPF round. From 2002 Q1 to 2010 Q1 the assumptions in each SPF round were asked for five consecutive quarters starting with the quarter the SPF survey is conducted. For example, in 2009 Q1 SPF round the assumptions were provided for 2009 Q1, 2009 Q2, 2009 Q3, 2009 Q4 and 2010 Q1. From 2010 Q2 to 2012 Q4 the forecast for the calendar year after next was only surveyed in Q3 and Q4 rounds.

4 Column and row structure of the SPF dataset

The ECB provides the full dataset of individual forecasters' SPF forecasts in 'csv' format.

The "individual rounds' files" contain data blocks for inflation, core inflation, real GDP growth and the other expectations ('assumptions'), if these were surveyed. The forecast data have the following column structure:

1) TARGET PERIOD

This column stands for the point (or period) in time to which the forecast refers to. Depending on the macroeconomic variable, the target period is given either as year (format "yyyy"), quarter (format "yyyyQq") or month (format "yyyymmm"), where the month is a mixed-case three-character tag of calendar months in English. See section 2 on forecast horizons for details.

2) FCT_SOURCE

This column stands for forecast source or forecaster ID, is the code number assigned to an individual forecaster. This number remains the same for a specific forecaster over all forecast rounds (only the subset of forecasters that were actually responding in a particular round is reported).

3) POINT

This column contains the point forecast of the forecaster for the macroeconomic indicator.

4) The following columns

These columns contain the probability assigned to each of the intervals of the forecasted variable. The headers of the columns specify the intervals. The coding of the intervals is explained in Annex 5.

Each file contains three tables – one for each forecasted indicator. The tables are stored on the same worksheet one below the other, each separated by one blank row. The top table contains the inflation forecasts, the middle one the GDP forecasts and the third one reports the unemployment forecasts. Data in the tables are ordered first by target period and then by forecaster ID.

The final block relates to the other expectations, for which only point forecasts are collected. This block has the following column structure:

- 1) TARGET_PERIOD (as above)
- **2) FCT_SOURCE** (as above)
- 3) IR

ECB interest rate for main refinancing operations, in percent p.a.

4) LAB

year-on-year change in whole economy compensation per employee

5) OIL

Oil price, in US dollars per barrel

6) USD

EUR/USD exchange rate.

5 Corrections of the dataset

Table 5.1 Corrections made in the ECB SPF dataset*

Date of the update in the SPF dataset	SPF round affected	Forecaster ID	Variable(s) affected	Old value	New value
03 July 2009	2008 Q2	92	All	Data	Missing values
09 December 2009	2009 Q4	59	All	Missing values	Data
11 November 2010	2010 Q3	10	Unemployment, probability for the interval F10_5T10_9 "	25	20

^{*} Please note that aggregate data are updated simultaneously with the changes in the individual data.

Annex 1 Evolution of forecast horizon structure over time

SPF ROUND	-				_			_							-	_						-			-		_	_							
FORECAST HORIZON	1999Q1	199902	1999Q3	1999Q4	200001	200002	200003	200004	2001Q1	200102	200103	2002Q1	2002002	2002Q3	200204	200302	2003Q3	2003Q4	2004Q1	200402	200404	2005Q1	200502	2005Q3	2006O4	200602	2006Q3	2006Q4	2007Q1	200702	200703	2007Q4	2008Q1	200802	500803
Current calendar year																																			
Next calendar year																																			
Calendar year two years ahead	Ш								_	_		_	ш							_		ш		_	_				Ш				Ш	_	_
Calendar year five years ahead								_					ш					ш				1		_		4	┖							_	_
One year ahead rolling horizon								_	4	_		_	ш	_		_		ш		_	_	┺		_	_	+	┺	┖						_	4
Two years ahead rolling horizon																																			
																											1								
Five years ahead rolling horizon								_		_		<u> </u>					_	Ш		_		<u> </u>		_			_	_						_	_
Five years ahead rolling horizon SPF ROUND																-					-	<u> </u>				-	1								
,		2009@2	2009വു	2009⊖4	2010Q1	2010Q2	2010Q3	2010Q4	201101	201102	201103	2012Q1	201202	2012Q3*	201204			1 1		ı	ı	<u> </u>			1	1									1
SPF ROUND	2009Q1	2009Q2	2009Q3	2009Q4	2010Q1	201002	2010Q3	2010Q4	201101	201102	201104	2012Q1	201202	2012Q3*	201204	1		1 1			1	1				-1			ı						
SPF ROUND FORECAST HORIZON		2009Q2	2009Q3	2009Q4	2010Q1	201002	2010Q3	2010Q4	201101	201102	201104	2012Q1	2012Q2	2012Q3*	2012Q4	1		1			_1_	1					-		ı						-1
SPF ROUND FORECAST HORIZON Current calendar year		200902	2009Q3	2009Q4	2010Q1	2010Q2	2010Q3	2010Q4	2011Q1	201102	201104	2012Q1	2012Q2	2012Q3*	2012Q4	1		1 1			-1					-									-1
SPF ROUND FORECAST HORIZON Current calendar year Next calendar year		2009Q2	2009Q3	2009Q4	2010Q1	201002	2010Q3	2010Q4	2011Q1	201102	201104	2012Q1	201202	2012Q3*	2012Q4													1							
SPF ROUND FORECAST HORIZON Current calendar year Next calendar year Calendar year two years ahead		2009Q2	2009Q3	2009Q4	2010Q1	2010Q2	2010Q3	201004	201101	201102	201104	2012Q1	201202	2012Q3*	201204							1					1						<u> </u>		
SPF ROUND FORECAST HORIZON Current calendar year Next calendar year Alendar year two years ahead Calendar year five years ahead		2009Q2	2009Q3	2009Q4	2010Q1	2010Q2	2010Q3	2010Q4	2011Q1	201102	201104	2012Q1	201202	2012Q3*	201204	•						1				-							<u> </u>		

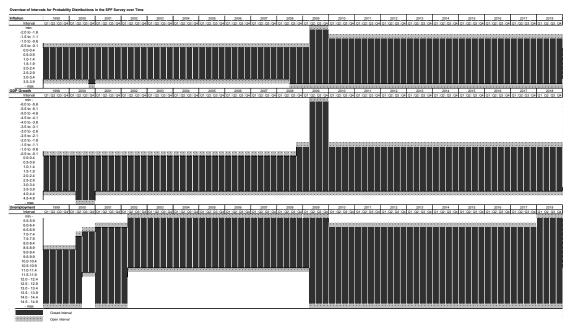
Forecast horizons surveyed in that particular round

Note: There have been no further changes.

Annex 2 Scheme of the SPF horizon structure for 2018 survey rounds

l					Survey hor	rizons		
Round		Variables	Current calendar year	Next calendar year	Calendar year after next	One year ahead	Two years ahead	Longer term
2018 Q1	Economic indicators	Inflation		y		December 2018	December 2019	
		Unemployment	2018	2019	2020	November 2018	November 2019	2022
		GDP				2018Q3	2019Q3	
						,		
	Underlying economic factors	Labour costs	2018	2019	2020			2022
			Quarter t	Quarter t+1	Quarter t+2	Quarter t+3	Next year	Calendar year after next
		ECB's interest rate (main refinancing operations)			•			
		Brent crude oil prices (US dollars)	2018Q1	2018Q2	2018Q3	2018Q4	2019	2020
		USD/EUR exchange rate						
	•				•			
2018 Q2	Economic indicators	Inflation				March 2019	March 2020	
		Unemployment	2018	2019	2020	February 2019	February 2020	2022
		GDP	2010	2010	2020	2018Q4	2019Q4	LULL
						201041	201041	
	Underlying economic factors	Labour costs	2018	2019	2020			2022
	Oriderlying economic ractors	Labour Costs	Quarter t	Quarter t+1	Quarter t+2	Quarter t+3	Next year	Calendar year after next
		ECB's interest rate (main refinancing operations)	quarter t	quarter t-1	Quarter 1-2	quarter t-0	next year	outchau your arter next
			2018Q2	2018Q3	2018Q4	2019Q1	2019	2020
		Brent crude oil prices (US dollars)	2010Q2	2010Q3	2016Q4	2019Q1	2019	2020
		USD/EUR exchange rate						
2018 Q3	Economic indicators	Inflation				June 2019	June 2020	
2018 Q3	Economic indicators		0040	0040	0000			0000
		Unemployment	2018	2019	2020	May 2019	May 2020 2020Q1	2023
		GDP				2019Q1	2020Q1	
	Underlying economic factors	Labour costs	2018	2019	2020	1		2023
			Quarter t	Quarter t+1	Quarter t+2	Quarter t+3	Next year	Calendar year after next
		ECB's interest rate (main refinancing operations)						
		Brent crude oil prices (US dollars)	2018Q3	2018Q4	2019Q1	2019Q2	2019	2020
		USD/EUR exchange rate						
2018 Q4	Economic indicators	Inflation				September 2019	September 2020	
		Unemployment	2018	2019	2020	August 2019	August 2020	2023
		GDP				2019Q2	2020Q2	
	Underlying economic factors	Labour costs	2018	2019	2020			2023
			Quarter t	Quarter t+1	Quarter t+2	Quarter t+3	Next year	Calendar year after next
		ECB's interest rate (main refinancing operations)						
		Brent crude oil prices (US dollars)	2018Q4	2019Q1	2019Q2	2019Q3	2019	2020
		USD/EUR exchange rate						

Annex 3 Changes in intervals for probability distribution forecasts



Notes: There have been no further changes. Expected probability distributions for HICP excluding energy, food, alcohol and tobacco were introduced in Q1 2017 and follow exactly the same structure as expected probability distributions for HICP. A probability assigned to an open interval stands for the probability that the variable's outcome will be larger (or smaller) than the lower (upper) interval boundary.

Annex 4 Assumptions and SPF rounds when they were asked in the questionnaire

SPF ROUND																								
ASSUMPTION VARIABLE	1999Q1	1999Q2	1999Q3	1999Q4	2000Q1	2000Q2	2000Q3	2000Q4	2001Q1	2001Q2	2001Q3	2001Q4	2002Q1	2002Q2	2002Q3	2002Q4	2003Q1	2003Q2	2003Q3	2003Q4	2004Q1	2004Q2	2004Q3*	2004Q4
ECB refinancing interest rate																								
Oil price																								
USD/EUR exchange rate																								
Labour costs																								

Assumption asked in particular round SPF questionnaire.

Note: There have been no further changes.

Annex 5 Description of the observation type code

The following list explains the observation type codes. For the intervals, each forecaster assigns a probability for the forecasted variable to fall within the given interval. The sum of these probabilities is required to sum up to 100 (deviations occur in some cases at the 5th decimal place or lower).

FCT_TOPIC	FCT_BREAKDOWN	DESCRIPTION
		Inflation expectations; year-on-year change in HICP; point
HICP	POINT	forecast
		Inflation expectations; year-on-year change in HICP;
HICP	TN2_0	probability for interval < -2.0 %
		Inflation expectations; year-on-year change in HICP;
HICP	TN1_0	probability for interval < -1.0 %
		Inflation expectations; year-on-year change in HICP;
HICP	FN2_0TN1_6	probability for interval from -2.0 to -1.6 %
		Inflation expectations; year-on-year change in HICP;
HICP	FN1_5TN1_1	probability for interval from -1.5 to -1.1 %
		Inflation expectations; year-on-year change in HICP;
HICP	FN1_0TN0_6	probability for interval from -1.0 to -0.6 %
		Inflation expectations; year-on-year change in HICP;
HICP	FN0_5TN0_1	probability for interval from -0.5 to -0.1 %
		Inflation expectations; year-on-year change in HICP;
HICP	T0_0	probability for interval < 0.0 %
		Inflation expectations; year-on-year change in HICP; probability
HICP	F0_0T0_4	for interval 0.0 - 0.4 %
		Inflation expectations; year-on-year change in HICP; probability
HICP	F0_5T0_9	for interval 0.5 - 0.9 %
		Inflation expectations; year-on-year change in HICP; probability
HICP	F1_0T1_4	for interval 1.0 - 1.4 %
		Inflation expectations; year-on-year change in HICP; probability
HICP	F1_5T1_9	for interval 1.5 - 1.9 %
		Inflation expectations; year-on-year change in HICP; probability
HICP	F2_0T2_4	for interval 2.0 - 2.4 %
		Inflation expectations; year-on-year change in HICP; probability
HICP	F2_5T2_9	for interval 2.5 - 2.9 %
		Inflation expectations; year-on-year change in HICP; probability
HICP	F3_0T3_4	for interval 3.0 - 3.4 %
		Inflation expectations; year-on-year change in HICP; probability
HICP	F3_5T3_9	for interval 3.5 - 3.9 %

FCT_TOPIC	FCT_BREAKDOWN	DESCRIPTION
HICD	F2 5	Inflation expectations; year-on-year change in HICP; probability
HICP	F3_5	for interval >= 3.5 %
шср	E4 0	Inflation expectations; year-on-year change in HICP; probability for interval >= 4.0 %
HICP	F4_0	Growth expectations; year-on-year change in real GDP; point
RGDP	POINT	forecast forecast general grant from the forecast grant gran
KODI	TOINT	Growth expectations; year-on-year change in real GDP;
RGDP	TN1 0	probability for interval less than -1.0 %
		Growth expectations; year-on-year change in real GDP;
RGDP	TN6_0	probability for interval less than -6.0 %
		Growth expectations; year-on-year change in real GDP;
RGDP	FN6_0TN5_6	probability for interval from -6.0 to -5.6 %
		Growth expectations; year-on-year change in real GDP;
RGDP	FN5_5TN5_1	probability for interval from -5.5 to -5.1 %
D.C.D.D.	TNE OTNA	Growth expectations; year-on-year change in real GDP;
RGDP	FN5_0TN4_6	probability for interval from -5.0 to -4.6 %
RGDP	FN4 5TN4 1	Growth expectations; year-on-year change in real GDP; probability for interval from -4.5 to -4.1 %
KODI	1117_J1117_1	Growth expectations; year-on-year change in real GDP;
RGDP	FN4 0TN3 6	probability for interval from -4.0 to -3.6 %
		Growth expectations; year-on-year change in real GDP;
RGDP	FN3_5TN3_1	probability for interval from -3.5 to -3.1 %
		Growth expectations; year-on-year change in real GDP;
RGDP	FN3_0TN2_6	probability for interval from -3.0 to -2.6 %
		Growth expectations; year-on-year change in real GDP;
RGDP	FN2_5TN2_1	probability for interval from -2.5 to -2.1 %
D CDD	ED IO OFFILI	Growth expectations; year-on-year change in real GDP;
RGDP	FN2_0TN1_6	probability for interval from -2.0 to -1.6 %
RGDP	FN1 5TN1 1	Growth expectations; year-on-year change in real GDP; probability for interval from -1.5 to -1.1 %
KODI	11N1_311N1_1	Growth expectations; year-on-year change in real GDP;
RGDP	FN1 0TN0 6	probability for interval from -1.0 to -0.6 %
		Growth expectations; year-on-year change in real GDP;
RGDP	FN0_5TN0_1	probability for interval from -0.5 to -0.1 %
	_	Growth expectations; year-on-year change in real GDP;
RGDP	T0_0	probability for interval < 0.0 %
		Growth expectations; year-on-year change in real GDP;
RGDP	F0_0T0_4	probability for interval 0.0 - 0.4 %
DCDD	E0 5T0 0	Growth expectations; year-on-year change in real GDP;
RGDP	F0_5T0_9	probability for interval 0.5 - 0.9 %
RGDP	F1 0T1 4	Growth expectations; year-on-year change in real GDP; probability for interval 1.0 - 1.4 %
KODI	11_011_4	Growth expectations; year-on-year change in real GDP;
RGDP	F1 5T1 9	probability for interval 1.5 - 1.9 %
		Growth expectations; year-on-year change in real GDP;
RGDP	F2_0T2_4	probability for interval 2.0 - 2.4 %
	_	Growth expectations; year-on-year change in real GDP;
RGDP	F2_5T2_9	probability for interval 2.5 - 2.9 %
		Growth expectations; year-on-year change in real GDP;
RGDP	F3_0T3_4	probability for interval 3.0 - 3.4 %
D.C.D.D.	E2 5T2 0	Growth expectations; year-on-year change in real GDP;
RGDP	F3_5T3_9	probability for interval 3.5 - 3.9 %
RGDP	F4 0T4 4	Growth expectations; year-on-year change in real GDP; probability for interval 4.0 - 4.4 %
KODI	17_017_4	Growth expectations; year-on-year change in real GDP;
RGDP	F4 5T4 9	probability for interval 4.5 - 4.9 %
1021	<u> </u>	Growth expectations; year-on-year change in real GDP;
RGDP	F4_0	probability for interval >= 4.0 %
	_	

FCT_TOPIC	FCT_BREAKDOWN	DESCRIPTION
		Growth expectations; year-on-year change in real GDP;
RGDP	F5_0	probability for interval >= 5.0 %
		Expected unemployment rate; percentage of labour force; point
UNEM	POINT	forecast
		Expected unemployment rate; percentage of labour force;
UNEM	T5_5	probability for interval < 5.5 %
		Expected unemployment rate; percentage of labour force;
UNEM	T6_5	probability for interval < 6.5 %
ID IED (TT 0	Expected unemployment rate; percentage of labour force;
UNEM	T7_0	probability for interval < 7.0 %
IDIEM	T7 6	Expected unemployment rate; percentage of labour force;
UNEM	T7_5	probability for interval < 7.5 %
LINIEM	Τ0 0	Expected unemployment rate; percentage of labour force; probability for interval < 9.0 %
UNEM	T9_0	Expected unemployment rate; percentage of labour force;
UNEM	F5 5T5 9	probability for interval 5.5 - 5.9 %
UNEWI	13_313_9	Expected unemployment rate; percentage of labour force;
UNEM	F6_0T6_4	probability for interval 6.0 - 6.4 %
OTVEIVI	10_010_4	Expected unemployment rate; percentage of labour force;
UNEM	F6 5T6 9	probability for interval 6.5 - 6.9 %
CIVEIVI	10_310_7	Expected unemployment rate; percentage of labour force;
UNEM	F7 0T7 4	probability for interval 7.0 - 7.4 %
		Expected unemployment rate; percentage of labour force;
UNEM	F7 5T7 9	probability for interval 7.5 - 7.9 %
		Expected unemployment rate; percentage of labour force;
UNEM	F8 0T8 4	probability for interval 8.0 - 8.4 %
		Expected unemployment rate; percentage of labour force;
UNEM	F8_5T8_9	probability for interval 8.5 - 8.9 %
		Expected unemployment rate; percentage of labour force;
UNEM	F9_0T9_4	probability for interval 9.0 - 9.4 %
		Expected unemployment rate; percentage of labour force;
UNEM	F9_5T9_9	probability for interval 9.5 - 9.9 %
		Expected unemployment rate; percentage of labour force;
UNEM	F10_0T10_4	probability for interval 10.0 - 10.4 %
	T40 - TT40 0	Expected unemployment rate; percentage of labour force;
UNEM	F10_5T10_9	probability for interval 10.5 - 10.9 %
IDIEN	E11 0E11 4	Expected unemployment rate; percentage of labour force;
UNEM	F11_0T11_4	probability for interval 11.0 - 11.4 %
LINIEM	E11 5T11 0	Expected unemployment rate; percentage of labour force; probability for interval 11.5 - 11.9 %
UNEM	F11_5T11_9	· ·
UNEM	F12 0T12 4	Expected unemployment rate; percentage of labour force; probability for interval 12.0 - 12.4 %
OTABIVI	112_0112_4	Expected unemployment rate; percentage of labour force;
UNEM	F12 5T12 9	probability for interval 12.5 - 12.9 %
0112111	112_0112_/	Expected unemployment rate; percentage of labour force;
UNEM	F13 0T13 4	probability for interval 13.0 - 13.4 %
		Expected unemployment rate; percentage of labour force;
UNEM	F13 5T13 9	probability for interval 13.5 - 13.9 %
		Expected unemployment rate; percentage of labour force;
UNEM	F14_0T14_4	probability for interval 14.0 - 14.4 %
		Expected unemployment rate; percentage of labour force;
UNEM	F14_5T14_9	probability for interval 14.5 - 14.9 %
		Expected unemployment rate; percentage of labour force;
UNEM	F11_0	probability for interval >= 11.0 %
		Expected unemployment rate; percentage of labour force;
UNEM	F11_5	probability for interval >= 11.5 %
	714	Expected unemployment rate; percentage of labour force;
UNEM	F12_0	probability for interval >= 12.0 %

FCT_TOPIC	FCT_BREAKDOWN	DESCRIPTION
		Expected unemployment rate; percentage of labour force;
UNEM	F15_0	probability for interval >= 15.0 %
		Point forecast of ECB's interest rate (main refinancing
ASSU	IR	operations)
ASSU	OIL	Assumption for oil prices (USD)
ASSU	USD	Assumption for USD/EUR exchange rate
		Assumption for labour costs; annual rate of change in whole
ASSU	LAB	economy compensation per employee

Notes: Expected probability distributions for HICP excluding energy, food, alcohol and tobacco were introduced in Q1 2017 and follow exactly the same structure as expected probability distributions for HICP.