TNS

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Press Release

Questions will be answered by Emelie Alm, +46 (0)765 36 21 19.

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TNS Sifo Prospera has been commissioned by Sveriges Riksbank (Central Bank of Sweden) to undertake a series of surveys, twelve times a year, aiming at mapping money market players' expectations of inflation, GDP and future repo rates in Sweden as well as expectations of the Swedish 5 year government bond rate, EUR and USD rates.

The latest survey in the series, April 2016, has now been completed. The previous survey, March 2016, was published March 16, 2016. A comparison of the results of the two surveys covering money market players can be summarised as follows (rounded off figures):

Money Market Players' Expectations of

			Year 1		Ye	ar 2	Year 5	
<u>Annual</u>			Apr 16	Mar 16	Apr 16	Mar 16	Apr 16	Mar 16
Inflation, %			1,1	1,1	1,6	1,6	1,9	1,9
GDP, %	3,1	3,2	2,5	2,6	2,3	2,3		
	3 months		12 months		24 months		60 months	
	Apr 16	Mar 16	Apr 16	Mar 16	Apr 16	Mar 16	Apr 16	Mar 16
Repo rate, %	-0,5	-0,5	-0,3	-0,3	0,3	0,4	1,9	1,9
5 year gvt bond rate, %	-0,1	0,0	0,3	0,3	1,0	1,1	2,1	2,3
EUR	9,20	9,23	9,01	9,05	8,86	8,95	-	-
USD	8,30	8,49	8,31	8,48	8,16	8,24	-	-



Interview Period & Method

TNS Sifo Prospera's survey that encompasses inflation and GDP expectations was carried out March 30 – April 11, 2016 (previous survey February 29 – March 15, 2016).

The part covering expectations of future repo rates, 5 year government bond rates, EUR and USD rates took place on March 30, 2016 (previous survey March 9, 2016).

The survey is carried out over the telephone. The interviewers' average experience of the survey is 1,6 years.

About the Interviewees & Response Rate

In all 52 (50) organisations were approached for interview. 5 (8) of the persons in the panel could not be reached or have denied participation, which means that there is an overall response rate of 90 % (85 %). The response rate for individual questions regarding inflation and GDP increase expectations is at least 87 % for the one year and two year assessments. For the five year assessment as well as the questions regarding repo rates, 5 year government bond rates, EUR and USD rates the response rate is generally lower. (Tables 1-6)

The money market category includes 46 Swedish and 6 international players active in the Swedish fixed income market.

Definitions

Inflation, the percentage increase in Consumer Price Index (CPI).

GDP, Gross Domestic Product, the value of all goods and services produced (by Swedish agents) in one year.

Repo rate, the Riksbank's borrowing/lending rate from/to banks for seven days' money.

Previous TNS Sifo Prospera Inflation Expectations Surveys

TNS Sifo Prospera inflation reports and tables, from 1995 and onwards, can be down-loaded from <u>http://www.prospera.se/reports/inflation-expectations</u>



TABLE 1 - Inflation Expectations

Expected annual increase in CPI the coming 1, 2 and 5 years

	Mean	Median	Lowest	Highest	Standard	Standard	Responses	No Resp.	Response
	(%)	(%)	(%)	(%)	Deviation	Error	(numbers)	(numbers)	Rate
Money Mark	et Players								
Year 1	1,126	1,100	0,500	2,000	0,401	0,059	46	6	88%
Year 2	1,647	1,700	0,600	2,400	0,407	0,060	46	6	88%
Year 5	1,936	2,000	1,000	2,800	0,328	0,049	44	8	85%

TABLE 2 - Inflation Expectations - 75% probability forecast uncertainty intervals

Expected annual increase intervals in CPI the coming 1, 2 and 5 years with a 75 % probability

	Mean (%)	Median (%)	Lowest (%)	Highest (%)	Standard Deviation	Standard Error	Responses (numbers)		Response Rate
Money Market	Players								
Year 1									
Lower bound	0,629	0,600	-0,500	1,800	0,508	0,077	43	9	83%
Upper bound	1,566	1,500	1,000	3,000	0,447	0,068	43	9	83%
Year 2									
Lower bound	0,998	1,000	-0,500	1,800	0,550	0,084	43	9	83%
Upper bound	2,152	2,000	1,000	3,500	0,585	0,089	43	9	83%
Year 5									
Lower bound	1,078	1,350	-2,000	2,000	0,803	0,127	40	12	77%
Upper bound	2,740	2,500	1,600	5,500	0,782	0,124	40	12	77%

TABLE 3 - GDP Increase Expectations

Expected annual increase in GDP the coming 1, 2 and 5 years

	Mean	Median	Lowest	Highest	Standard	Standard	Responses	No Resp.	Response
_	(%)	(%)	(%)	(%)	Deviation	Error	(numbers)	(numbers)	Rate
Money Market	Players								
Year 1	3,111	3,200	1,500	4,200	0,601	0,090	45	7	87%
Year 2	2,539	2,500	1,500	4,000	0,562	0,084	45	7	87%
Year 5	2,301	2,250	0,000	4,500	0,719	0,110	43	9	83%

TABLE 4 - Repo Rate Expectations

Expected repo rate the coming 3-60 months

	Mean	Median	Lowest	Highest	Standard	Standard	Responses	No Resp.	Response
	(%)	(%)	(%)	(%)	Deviation	Error	(numbers)	(numbers)	Rate
Money Market	Players								
3 months	-0,500	-0,500	-0,500	-0,500	0,000	0,000	38	14	73%
12 months	-0,337	-0,500	-0,750	0,100	0,214	0,035	38	14	73%
24 months	0,341	0,250	-0,500	1,500	0,604	0,098	38	14	73%
60 months	1,893	2,000	0,000	3,250	0,791	0,134	35	17	67%



TABLE 5 - Repo Rate Expectations - 75% probability forecast uncertainty intervals

Expected repo rate intervals the coming 3-60 months with a 75 % probability

	Mean (%)	Median	Lowest	Highest (%)	Standard Deviation	Standard Error	Responses (numbers)		Response Rate
Money Market	Players						((
3 months									
Lower bound	-0,564	-0,500	-1,000	-0,500	0,114	0,019	36	16	69%
Upper bound	-0,450	-0,500	-0,500	-0,250	0,096	0,016	36	16	69%
12 months									
Lower bound	-0,600	-0,500	-1,500	0,000	0,230	0,038	36	16	69%
Upper bound	-0,031	0,000	-0,500	1,000	0,397	0,066	36	16	69%
24 months									
Lower bound	-0,176	-0,250	-1,250	1,250	0,554	0,094	35	17	67%
Upper bound	0,871	0,750	-0,500	3,000	0,775	0,131	35	17	67%
60 months									
Lower bound	0,774	1,000	-1,000	2,000	0,770	0,134	33	19	63%
Upper bound	2,905	3,000	1,000	7,000	1,183	0,206	33	19	63%

TABLE 6 - 5 year Government Bond Rate, EUR and USD rates

Expected 5 year government bond rate, EUR and USD rates the coming 3-24 months Money Market Players

	Mean I	Median L	owest	Highest	Standard Deviation	Standard Error	Responses (numbers)	· · · ·	Response Rate
5 YEAR GOVE	RNMENT E	BOND RA	TE						
3 months	-0,062	-0,100	-0,500	0,250	0,141	0,025	33	19	63%
12 months	0,255	0,250	-0,400	1,100	0,335	0,058	33	19	63%
24 months	0,986	1,000	0,000	3,000	0,670	0,118	32	20	62%
60 months	2,134	2,375	0,250	3,750	0,922	0,163	32	20	62%
EUR/SEK									
3 months	9,198	9,200	8,990	9,500	0,106	0,018	36	16	69%
12 months	9,008	9,000	8,500	9,600	0,221	0,037	36	16	69%
24 months	8,864	8,875	8,200	9,600	0,276	0,046	36	16	69%
USD/SEK									
3 months	8,302	8,300	8,000	8,900	0,217	0,036	36	16	69%
12 months	8,313	8,310	7,500	9,400	0,403	0,067	36	16	69%
24 months	8,160	8,200	6,500	9,500	0,574	0,096	36	16	69%