
European Commission

Directorate General Economic and Financial Affairs

Follow-up on task-force on quality of EU BCS data

An overview of recent harmonisation steps in the EU BCS programme

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*Business and consumer surveys and
short-term forecast (ECFIN A4.2)*

Outline

1. Harmonisation steps as a follow-up to 2013 task-force group 6 (*"volatility analysis of individual questions"*)
2. Further harmonisation steps

What the task-force had done:

Filtering out individual survey questions (e.g. country X, industry survey, question 1), which had:

- **counter-intuitive sign of correlation** with ref. series and/or
- particularly **low correlation** with ref. series and/or
- **high volatility** compared to average volatility of the national sectoral survey
- **translation clearly deviating** from EU BCS question and potentially explaining high volatility and/or bad tracking performance

relevant cases were identified

partner institutes were asked to change the questions

**INDU Q4 / RETA Q2:
assessment of level of stocks**

- *too large* (above normal)
- *adequate* (normal for the season)
- *too small* (below normal)

better to capture cyclical signal

**INDU Q2 / INDU Q3:
assessment of level of order books**

- *more than sufficient* (above normal)
- *sufficient* (normal for the season)
- *not sufficient* (below normal)

better to capture cyclical signal

adaptation of national survey questionnaires:

option 1:

- *too large* (above normal)
- *adequate* (normal for the season)
- *too small* (below normal)

- *more than sufficient* (above normal)
- *sufficient* (normal for the season)
- *not sufficient* (below normal)

for INDU Q4 /
RETA Q2

for INDU Q2 /
INDU Q3 /
BUIL Q3

option 2:

- *too large*
- *adequate*
- *too small*

- *more than sufficient*
- *sufficient*
- *not sufficient*

11 national survey questions were adapted (in 5 countries)

Deviating formulations for the time dimension

questions referring to the past / next 3 months

- "...in the last month"
- "...in the quarter that just ended, compared to the previous one"
- "...in the last three months compared to the previous period"
- "...in this month compared to the average of the last 3 months"
- "...over the next / past 2-3 months"
- etc.

questions referring to current situation

- "...at the end of the previous month"

other deviations

- confusing instructions on whether to include seasonal effects in answer or not
- questions inquiring orders and contracts (instead of orders only)
- etc.

17 national survey questions were adapted (in **11 countries**)

On balance...

adaptations:

- of 28 questions
- in 13 countries
- in all 4 business sectors (INDU, SERV, RETA, BUIL)



4 institutes announced:

complete and systematic verification of all national translations

Other harmonisation steps taken

Submission of consumer data (Q51 and Q61)

refer to quantitative assessments of past and expected inflation

The screenshot shows a Microsoft Excel spreadsheet with the following data table:

	A	B	C	D	E	F	G	H	I	J	K	L	M	N	O	P	Q	R	S	T	U	V	W	X		
	Q1	Q2	Q3	Q4	Q5	Q51	Q6	Q61	Q7	Q8	Q9	Q10	Q11	Q12	Q13	Q14	Q15	Income	Occupation	Working regime	Education	Age	Gender	Individual weight		
1																										
2	3	3	4	2	1	90	1	80	1	1	4	4	4	4	4	4	3	2	7			2	3	2	0.027	
3	3	3	4	3	4	0	3		2	2	4	9	1	2	1	4	4	2	7			1		4	2	0.027
4	4	4	5	3	1	10	2	10	9	2	3	4	1	2	4	4	4	2	7			2	4	2	0.027	
5	2	3	9	9	9		9		3	3	3	3	3	3	4	4	4		1		1	3	3	2	0.027	
6	4	5	5	5	2	2	2	2	1	3	3	3	4	2	4	4	4	4	3		1	3	3	1	0.027	
7	3	4	5	5	1	2	1	2	3	1	3	4	3	3	4	4	4	2	3		1	1	3	1	0.027	
8	3	3	4	3	2	10	4	0	3	2	3	3	1	2	4	4	4	4	7			2	4	2	0.027	
9	3	3	3	4	3	2	2	3	2	2	4	3	2	2	4	4	4	2	7			1	3	1	0.028	
10	4	3	3	2	4	0	5	-2	2	3	5	2	3	4	4	4	4	2	7			2	4	2	0.028	
11	3	4	3	3	2		2		1	2	4	3	4	3	4	4	4	3	3		1	3	2	2	0.028	
12	4	3	4	2	5	-10	3	10	2	9	5	3	2	2	4	4	1	2	7			3	4	2	0.028	
13	3	3	4	4	2	5	2		2	1	4	4	2	2	4	4	4	3	3		1	3	3	2	0.025	
14	3	3	4	3	2		2		2	2	3	4	2	2	4	4	4	3	0			3	2	2	0.03	
15	4	4	5	9	2		2		3	1	5	3	4	4	4	4	4	1	7			1	4	2	0.03	
16	3	3	4	3	5		9		2	2	4	3	1	2	3	4	4	3	3		1	3	2	2	0.025	
17	4	3	2	9	9		4	0	2	3	2	4	4	4	4	4	9	2	7			1	4	2	0.025	
18	5	5	5	5	1		1		1	3	5	4	1	3	4	4	4		3		1	2	3	1	0.025	
19	3	3	4	2	4	0	3	4	2	2	3	3	3	3	4	4	4	2	7			3	3	2	0.027	
20	3	3	3	2	3	2	4	0	2	2	4	4	4	4	4	4	4	3	7			3	4	1	0.025	
21	4	4	5	3	4	0	3	4	2	2	5	3	4	4	4	4	4	2	7			2	4	1	0.027	
22	3	4	4	4	1	5	2	5	2	3	2	4	4	4	4	4	4		3		2	3	2	2	0.028	
23	3		3	4	3	25	2	10	4	2	4	9			4	4	4		3		1	3	2	2	0.027	

1. Other harmonisation steps taken – Submission of consumer data (Q51 and Q61)

Q5: perceived past inflation:

- 1: +++ risen a lot
- 2: ++ risen moderately
- 3: + risen slightly
- 4: = stayed about the same
- 5: - fallen
- 9: ?? don't know

Q6: future inflation expectations:

- 1: +++ increase more rapidly
- 2: ++ increase at same rate
- 3: + increase at slower rate
- 4: = stay about the same
- 5: - fall
- 9: ?? don't know

	A	B	C	D	E	F	G	H	I	J	K	L	M	N	O	P	Q	R		
	Q1	Q2	Q3	Q4	Q5	Q51	Q6	Q61	Q7	Q8	Q9	Q10	Q11	Q12	Q13	Q14	Q15	A	Income	Occ
1																				
2	3	3	4	2	1	90	1	80	1	1	4	4	4	4	4	4	3			2
3	3	3	4	3	4	0	3		2	2										
4	4	4	5	3	1	10	2	10	9	2										
5	2	3	9	9	9		9		3	3										
6	4	5	5	5	2	2	2	2	1	3										
7	3	4	5	5	1	2	1	2	3	1										
8	3	3	4	3	2	10	4	0	3	2										
9	3	3	3	4	3	2	2	3	2	2										
10	4	3	3	2	4	0	5	-2	2	3										
11	3	4	3	3	2		2		1	2										
12	4	3	4	2	5	-10	3	10	2	9	5	3	2	2	4	4	1			2
13	3	3	4	4	2	5	2		2	1	4	4	2	2	4	4	4			3

If answer to Q5 / Q6 is
9: don't know,
leave cell Q51 / Q61 blank!

1. Other harmonisation steps taken – Submission of consumer data (Q51 and Q61)

Q5: perceived past inflation:

- 1: +++ risen a lot
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- 9: ?? don't know

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- 2: ++ increase at same rate
- 3: + increase at slower rate
- 4: = stay about the same
- 5: - fall
- 9: ?? don't know

The screenshot shows an Excel spreadsheet with columns labeled Q1 through Q15, and Income and Occ. Rows are numbered 1 through 13. Red boxes highlight cells Q5, Q6, Q51, and Q61 in rows 1, 2, 8, and 10 respectively. A large red-bordered box contains the instruction: "If answer to Q5 / Q6 is 4: stay(ed) about the same, put a 0 into cell Q51 / Q61!".

	A	B	C	D	E	F	G	H	I	J	K	L	M	N	O	P	Q	R	
	Q1	Q2	Q3	Q4	Q5	Q51	Q6	Q61	Q7	Q8	Q9	Q10	Q11	Q12	Q13	Q14	Q15	Income	Occ
1																			
2	3	3	4	2	1	90	1	80	1	1	4	4	4	4	4	4	3		2
3	3	3	4	3	4	0	3		2	2	4	9	1	2	1	4	4		2
4	4	4	5	3	1	10	2	10	9	2									
5	2	3	9	9	9		9		3	3									
6	4	5	5	5	2	2	2	2	1	3									
7	3	4	5	5	1	2	1	2	3	1									
8	3	3	4	3	2	10	4	0	3	2									
9	3	3	3	4	3	2	2	3	2	2									
10	4	3	3	2	4	0	5	-2	2	3									
11	3	4	3	3	2		2		1	2									
12	4	3	4	2	5	-10	3	10	2	9	5	3	2	2	4	4	1		2
13	3	3	4	4	2	5	2		2	1	4	4	2	2	4	4	4		3

1. Other harmonisation steps taken – Submission of consumer data (Q51 and Q61)

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	A	B	C	D	E	F	G	H	I	J	K	L	M	N	O	P	Q	R	
	Q1	Q2	Q3	Q4	Q5	Q51	Q6	Q61	Q7	Q8	Q9	Q10	Q11	Q12	Q13	Q14	Q15	Income	Occ
1																			
2	3	3	4	2	1	90	1	80	1	1	4	4	4	4	4	4	3		2
3	3	3	4	3	4	0	3		2	2	4	9	1	2	1	4	4		2
4	4	4	5	3	1	10	2	10	9	2									
5	2	3	9	9	9		9		3	3									
6	4	5	5	5	2	2	2	2	1	3									
7	3	4	5	5	1	2	1	2	3	1									
8	3	3	4	3	2	10	4	0	3	2									
9	3	3	3	4	3	2	2	3	2	2									
10	4	3	3	2	4	0	5	-2	2	3									
11	3	4	3	3	2		2		1	2									
12	4	3	4	2	5	-10	3	10	2	9									
13	3	3	4	4	2	5	2		2	1	4	4	2	2	4	4	4		3

If answer to Q5 / Q6 is
5: fall(en),
respondents' quantitative
assessments enter with
negative sign in cells
Q51 / Q61!

Calculation of average quant. inflation assessments

BE		2014	Q5							Q51	Q6							Q61	Q7							Q8				
NACE2		10	++	+	=	-	--	N	AVG	++	+	=	-	--	N	AVG	++	+	=	-	--	N	++	+	=	-	--	N		
Income of the household	1st quart.	1	27.37	42.64	6.01	16.52	3.23	4.23	12.28	24.51	22.58	13.56	24.92	7.07	7.36	6.95	31.12	28.74	12.12	17.88	3.95	6.19	17.77	0.00	30.82	0.00	39.47	11		
	2nd quart.	2	17.24	35.25	13.60	24.86	5.12	3.93	5.97	13.11	29.60	14.44	29.85	5.00	8.00	4.47	23.17	37.02	19.92	12.79	1.77	5.33	24.14	0.00	39.66	0.00	25.16	11		
	3rd quart.	3	12.75	25.58	17.17	35.11	6.77	2.62	3.62	10.74	24.72	19.60	35.62	5.93	3.39	2.46	19.16	40.72	22.14	14.55	1.70	1.73	22.97	0.00	45.03	0.00	22.81	9		
	4th quart.	4	2.51	29.15	19.08	32.60	11.29	5.37	1.92	9.89	25.14	13.03	41.61	6.80	3.53	1.49	13.06	46.85	19.69	16.43	0.21	3.76	23.28	0.00	42.95	0.00	27.86	5		
Occupation	Self employed + prof.	6	18.18	24.81	10.88	31.03	9.26	5.84	4.94	8.17	21.90	11.76	41.77	9.77	6.63	2.88	20.00	36.03	17.98	19.32	2.58	4.09	16.12	0.00	48.29	0.00	22.65	12		
	Self employed farmer	7	0.00	26.26	0.00	35.86	37.88	0.00	0.48	0.00	0.00	0.00	73.74	0.00	26.2	0.00	0.00	0.00	73.74	0.00	26.26	73.74	0.00	26.26	0.00	0.00	0.00	0.00	0	
	Cleric. + off. employees	8	11.95	32.29	20.26	27.23	4.41	3.86	5.04	12.35	29.70	16.99	32.02	3.11	5.83	4.58	21.42	41.66	21.22	11.06	2.19	2.45	23.78	0.00	42.53	0.00	26.98	6		
	Skilled manual workers	9	9.34	42.58	20.53	24.75	1.52	1.28	6.88	12.49	34.48	11.14	27.78	12.26	1.85	3.55	27.73	43.81	14.40	9.22	0.00	4.84	19.46	0.00	54.22	0.00	19.91	6		
	Other manual workers	10	21.00	33.99	11.03	27.91	4.29	1.78	6.49	28.38	28.30	9.40	26.18	5.20	2.54	4.88	27.00	28.60	24.13	9.85	2.40	8.02	29.64	0.00	42.60	0.00	19.80	7		
	Total workers	11	13.96	32.07	16.71	28.20	5.52	3.54	5.11	13.78	28.35	15.05	31.51	5.21	6.10	4.04	21.72	38.67	21.57	12.07	2.02	3.95	22.94	0.00	44.06	0.00	24.89	8		
	Other occupations	12	16.26	32.19	12.83	27.94	6.90	3.88	5.01	12.80	25.53	16.81	31.64	6.30	6.92	3.16	20.54	37.81	19.68	14.77	1.60	5.60	23.65	0.00	37.58	0.00	25.94	12		
	Work full-time	13	13.43	30.55	18.13	29.20	5.25	3.44	4.44	12.56	28.77	15.56	33.43	4.45	5.23	3.73	21.01	37.54	22.48	13.26	2.30	3.41	22.12	0.00	45.95	0.00	25.77	6		
Work part-time	14	14.34	35.91	13.32	27.81	4.88	3.74	6.94	17.60	27.22	14.00	28.76	5.80	6.62	5.41	25.42	41.68	18.20	8.83	1.41	4.46	23.98	0.00	40.32	0.00	22.52	13			
Unemployed	Unemployed	15	30.65	35.16	12.69	15.73	0.51	5.26	9.49	18.89	31.66	11.93	29.10	2.57	5.85	5.34	34.14	36.68	14.83	12.52	0.00	1.83	9.95	0.00	40.99	0.00	37.81	11		
	Primary	16	18.43	38.38	9.03	24.99	5.96	3.21	5.94	16.11	28.47	14.11	26.55	7.59	7.17	4.15	25.04	36.36	16.40	13.11	2.27	6.82	26.50	0.00	33.00	0.00	26.87	13		
	Secondary	17	18.01	30.69	14.70	27.83	4.78	3.99	6.45	16.26	22.22	16.34	35.68	5.09	4.41	4.20	22.45	36.20	23.15	13.44	1.94	2.82	23.73	0.00	40.26	0.00	27.52	8		
Further	Further	18	13.08	30.22	17.52	28.67	6.67	3.84	3.91	10.48	29.07	16.12	32.09	4.86	7.38	3.01	18.87	40.22	20.16	14.48	1.33	4.94	21.46	0.00	44.31	0.00	23.99	10		
	16-29	19	13.18	38.73	17.02	28.60	0.00	2.47	8.13	10.68	32.35	15.36	27.17	10.45	3.99	5.39	22.61	33.17	25.84	15.04	2.04	1.30	28.05	0.00	48.82	0.00	18.04	5		
	30-49	20	15.60	33.98	17.06	25.93	2.92	4.51	5.96	13.92	30.33	12.68	34.29	2.65	6.13	4.31	21.49	38.78	19.86	12.81	2.83	4.23	21.76	0.00	44.22	0.00	25.87	8		
50-64	50-64	21	18.28	30.39	13.09	29.76	5.75	2.73	5.43	15.56	25.13	18.04	30.05	6.66	4.56	3.50	23.79	41.43	18.56	11.91	1.09	3.22	21.34	0.00	41.05	0.00	28.68	8		
	65+	22	14.81	32.31	14.11	26.39	8.14	4.24	4.48	12.30	25.94	15.79	31.86	5.85	8.26	3.33	20.28	35.43	20.90	15.41	1.58	6.40	24.83	0.00	36.85	0.00	24.66	13		
Gender	Male	23	11.17	27.81	17.20	32.88	7.12	3.82	3.37	12.85	24.41	16.09	35.25	6.01	5.39	2.53	19.32	37.22	22.20	16.23	2.44	2.59	25.97	0.00	40.69	0.00	24.70	8		
	Female	24	19.71	35.87	12.49	23.05	5.12	3.76	6.84	14.13	28.83	15.49	28.93	5.17	7.45	4.63	23.51	38.39	18.54	11.86	1.17	6.53	21.08	0.00	39.72	0.00	26.83	12		
TOTAL	TOTAL	25	15.96	32.33	14.56	27.36	5.99	3.80	5.22	13.57	26.89	15.75	31.70	5.54	6.55	3.67	21.67	37.87	20.15	13.78	1.73	4.80	23.22	0.00	40.14	0.00	25.90	10		

1. Other harmonisation steps taken – Submission of consumer data (Q51 and Q61)

Calculation of **Q51 TOTAL**:

	Q1	Q2	Q3	Q4	Q5	Q51	Q6	Q61	Q7	Q8	Q9	Q10	Q11	Q12	Q13	Q14	Q15	A Income	B Occupation	C Working regime	D Education	E Age	F Gender	Individual weight		
2	3	3	4	2	1	90	1	80	1	1	4	4	4	4	4	4	3	2	7			2	3	2	0.027	
3	3	3	4	3	4	0	3		2	2	4	9	1	2	1	4	4	2	7			1	4	2	0.027	
4	4	4	5	3	1	10	2	10	9	2	3	4	1	2	4	4	4	2	7			2	4	2	0.027	
5	2	3	9	9	9		9		3	3	3	3	3	3	4	4	4		1		1	3	3	2	0.027	
6	4	5	5	5	2	2	2	2	1	3	3	3	4	2	4	4	4	4	3		1	3	3	1	0.027	
7	4	3	4	2	5	-10	3	10	2	9	5	3	2	2	4	4	1	2	7			3	4	2	0.028	
8	3	3	4	4	2	5	2		2	1	4	4	2	2	4	4	4								2	0.025
9	3	3	4	3	2		2		2	2	3	4	2	2	4	4	4								2	0.03
10	4	4	5	9	2		2		3	1	5	3	4	4	4	4	4								2	0.03
11	3	3	4	3	5		9		2	2	4	3	1	2	3	4	4								2	0.025
12	4	3	2	9	9		4	0	2	3	2	4	4	4	4	4	9								2	0.025
13	5	5	5	5	1		1		1	3	5	4	1	3	4	4	4								1	0.025
14	3	3	4	2	4	0	3	4	2	2	3	3	3	3	4	4	4								2	0.027
15	3	3	3	2	3	2	4	0	2	2	4	4	4	4	4	4	4								1	0.025
16	4	4	5	3	4	0	3	4	2	2	5	3	4	4	4	4	4								1	0.027
17	3	4	4	4	1	5	2	5	2	3	2	4	4	4	4	4	4								2	0.028
18	4	2	4	2	1		5		4	9	5	3	2	3	4	4	4								2	0.025
19	3		3	4	3	25	2	10	4	2	4	9			4	4	4								2	0.027
20	3	3	9	9	2		2		3	2	5	4	2	2	4	4	4								2	0.025
21	3	3	3	2	1	2	4	0	2	1	2	3	3	2	3	4	4								2	0.051
22	3	3	3	3	2	1.5	1	2	2	2	3	3	3	3	3	3	2								1	0.051
23	3	3	2	2	4	0	4	0	4	2	3	2	2	3	4	4	4								1	0.051

$(90 * 0.027)$
 $+ 0 * 0.027$
 $+ 10 * 0.027$
 $+ 2 * 0.027$
 $+ (-10) * 0.028...$
 / sum of weights of respondents who provide an answer (i.e. where answer cell is filled)

1. Other harmonisation steps taken – Submission of consumer data (Q51 and Q61)

**Calculation of Q61
WOMEN TOTAL:**

	A	B	C	D	E	F	G	H	I	J	K	L	M	N	O	P	Q	R	S	T	U	V	W	X		
	Q1	Q2	Q3	Q4	Q5	Q51	Q6	Q61	Q7	Q8	Q9	Q10	Q11	Q12	Q13	Q14	Q15	A	B	C	D	E	F	Individual weight		
1																		Income	Occupation	Working regime	Education	Age	Gender			
2	3	3	4	2	1	90	1	80	1	1	4	4	4	4	4	4	3	2	7		2	3	2	0.027		
3	3	3	4	3	4	0	3		2	2	4	9	1	2	1	4	4	4	3	1	3	4	1	0.027		
4	4	4	5	3	1	10	2	10	9	2	3	4	1	2	4	4	4	2	7		2	2	4	2	0.027	
5	2	3	9	9	9		9		3	3	3	3	3	3	4	4	4		1		1	3	3	2	0.027	
6	4	5	5	5	2		2	2	1	3	3	3	4	2	4	4	4	4	3		1	3	3	1	0.027	
7	3	4	5	5	1		2	1	2	3	1	3	4	3	3	4	4	2	3		1	1	3	1	0.027	
8	3	3	4	3	2	10	4	0	3	2	3	3	1	2	4	4	4	4	7			2	4	2	0.027	
9	3	3	3	4	3		2	3	2	2	4	3	2	2	4	4	4	2	7			1	3	1	0.028	
10	4	3	3	2	4	0	5	-2	2	3	5	2	3	4	4	4	4	2	7			2	4	2	0.028	
11	3	4	3	3	2		2		1	2	4	3	4	3	4	4	4	3	3		1	3	2	2	0.028	
12	4	3	4	2	5	-10	3	10	2	9	5	3	2	2	4	4	1								2	0.028
13	3	3	4	4	2	5	2		2	1	4	4	2	2	4	4	4	2	4						2	0.025
14	3	3	4	3	2		2		2	2	3	4	2	2	4	4	4	2	4						2	0.03
15	4	4	5	9	2		2		3	1	5	3	4	4	4	4	4	4	4						2	0.025
16	3	3	4	3	5		9		2	2	4	3	1	2	3	4	4	4	4						2	0.025
17	4	3	2	9	9		4	0	2	3	2	4	4	4	4	4	9	4	4						1	0.025
18	5	5	5	5	1		1		1	3	5	4	1	3	4	4	4	4	4						2	0.027
19	3	3	4	2	4	0	3	4	2	2	3	3	3	3	4	4	4	4	4						1	0.025
20	3	3	3	2	3	2	4	0	2	2	4	4	4	4	4	4	4	4	4						1	0.025
21	4	4	5	3	4	0	3	4	2	2	5	3	4	4	4	4	4	4	4						1	0.027
22	3	4	4	4	1	5	2	5	2	3	2	4	4	4	4	4	4	4	4						2	0.028
23	3		3	4	3	25	2	10	4	2	4	9			4	4	4								2	0.027

(90 * 0.027
 + 10 * 0.027
 + 10 * 0.027
 + 0 * 0.028...)
 / sum of weights of
 women who provide an answer
 (i.e. where answer cell is filled)

Reporting weights when quota sampling is used

Quota sampling ensures that the relative number of responses by respondent category (male / female, etc.) is in accordance with the underlying population.

Every respondent should get the same weight in the end.

	Q1	Q2	Q3	Q4	Q5	Q51	Q6	Q61	Q7	Q8	Q9	Q10	Q11	Q12	Q13	Q14	Q15	Income	Occupation	Working regime	Education	Age	Gender	Individual weight
1																								
2	3	3	3	2	3	5	2	5	4	1	3	1	1	2	4	4	1	9	3		1	2	2	1
3	3	3	3	4	3	4	4	0	2	1										1	1	3		1
4	3	9	3	9	4	0	4	0	4	2										9	1	3		1
5	3	9	3	9	3		2		2	2										9	9	3		1
6	2	3	2	2	4	0	4	0	4	2										1	3	2		1
7	1	2	2	2	4	0	1		4	1										2	3	2		1
8	3	3	3	3	4	0	4	0	3	2										1	2	1		1
9	2	3	4	4	4	0	1	3	9	9										9	3	3		1
10	3	3	3	4	3		2		4	2										2	3	3		1
11	2	3	2	5	1	3	2	2	1	2										2	3	2		1
12	3	3	3	4	4	0	4	0	3	2										2	3	2		1
13	3	3	4	2	4	0	1	4	3	2										1	2	2		1
14	2	3	3	3	4	0	4	0	2	3										1	2	2		1
15	3	3	4	2	4	0	4	0	3	9										1	3	2		1
16	3	3	3	3	4	0	9		4	2										1	3	2		1
17	3	3	3	3	3		2		9	2										2	2	2		1
18	3	2	3	3	4	0	4	0	3	2										1	2	2		1
19	3	3	3	4	4	0	4	0	3	2										1	3	2		1
20	2	1	3	3	4	0	1		1	2	4	3	1	2	1	4	2	9	3		1	3	2	1
21	3	4	3	3	4	0	4	0	2	2	3	3	1	1	4	4	3	4	5		1	2	2	1
22	3	3	3	3	4	0	1	2	2	2	4	2	1	3	4	4	4	2	3		1	3	2	1
23	3	3	3	3	4	0	4	0	2	2	2	1	1	1	4	4	1	9	3		1	3	2	1

Conclusions

- harmonisation is a constant challenge ...
... to be pursued through:
 - one-off actions (task-force on data quality)
 - continuous monitoring of data quality
- task-force on data quality eliminated deviations from the harmonised EU BCS questionnaire in the case of:
 - **28 survey questions**
 - **in 11 countries**

Thanks to all institutes!