## **European Commission**

**Directorate General Economic and Financial Affairs** 

# BCS data from Macedonia, Turkey and Croatia - unearthing a survey treasure

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

#### Background

- BCS data provide timely information on state of the economy to decision-makers
- every EU enlargement requires extending scope of EU BCS programme ...

... ideally: while country is still candidate country (so that seasonally adjusted data is available when country joins EU)

**BCS programme is (constantly) growing** 



#### Availability of BCS data by country

	INDU	SERV	RETA	BUIL	CONS	ESI				
		only reached candidate status in 2014								
candidate countries:										
Albania	- accession negotiations interrupted since May 2013									
Iceland	-					ly 2013				
Montenegro_	05/12	05/12	05/12	05/12	05/12	05/12				
	series available >=3 years (i.e. seasonally adjusted)									
Serbia 🗧	03/13	03/13	00/10	03/13	00/15	00/10				
Macedonia	05/08	05/08	05/08	05/08	05/12	05/08				
Turkey	05/07	05/11	05/11	05/11	05/07	05/07				
EU Member States having joined in 2014:										
Croatia	05/08	05/08	05/08	05/08	05/05	05/08				





#### **Graphical inspection of survey data**



#### **Correlation with hard-data reference series**

	INDU	SERV	RETA	BUIL	CONS	ESI	
coincident	0.53	-	0.08	0.16	-	-	
lead 1	0.46	-	0.10	0.11	-	-	
lead 2	0.34	-	0.06	-0.02	-	-	
lead 3	0.20	-	-0.16	-0.07	-	-	
coincident	0.76	0.45	0.42	0.25	0.51	0.68	
lead 1	0.78	0.44	0.14	0.13	0.54	0.76	<b>ר</b>
lead 2	0.77	0.45	-0.05	-0.03	0.55	0.81	correlation
lead 3	0.70	0.48	0.01	-0.18	0.54	0.83	
	>0.50						
coincident	0.65	0.87	0.67	0.91	0.83	0.92	
lead 1	0.66	0.80	0.69	0.90	0.80	0.90	
lead 2	0.61	0.70	0.71	0.90	0.75	0.83	-
lead 3	0.47	0.58	0.72	0.86	0.70	0.72	
coincident	0.73	0.77	0.39	0.66	0.68	0.87	
lead 1	0.71	0.77	0.31	0.63	0.69	0.88	
lead 2	0.66	0.75	0.24	0.58	0.69	0.88	
lead 3	0.60	0.72	0.19	0.53	0.68	0.85	



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lead 2	0.34	-	0.06	-0.02	-	-	weak
lead 3	0.20	-	-0.16	-0.07	-	-	performance:
	- due to						
coincident	0.76	0.45	0.42	0.25	0.51	0.68	volatile ref.
lead 1	0.78	0.44	0.14	0.13	0.54	0.76	series
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#### Volatility of survey data



- identification of the first ratio which is <1</li>
- MCD can be derived from the ratio (e.g. it is 3 for "case 3 ratio")
- interpretation: wait 3 months, before you interpret increase / decrease in series as improvement / deterioration of economic sentiment.

### MCDs by country and surveyed sector

	INDU	SERV	RETA	BUIL	CONS	ESI
Macedonia	3	4	4	4	-	3
Turkey	3	4	5	5	3	3
Croatia	2	2	4	2	4	2
mean of all EU MS	2.1	2.2	4.0	2.5	2.8	1.8

- 9 out of 17 indicators have MCD <=3</p>
- 3 sectoral surveys are even smoother than the average across all EU MS



#### Conclusions

- BCS programme is (constantly) growing
  - Montenegrin (sa) data will be available from mid 2015 on (also Macedonian consumer data, which is not yet available)
  - Serbian (sa) data will be available from mid 2016 on
- Croatian / Turkish / Macedonian survey data is of good quality
  - tracking performance mostly good
  - generally acceptable volatility levels

Hopefully, many analysts will discover this survey treasure.

