

Euro Area and European Union GDP flash estimates at 30 days

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Outline

- Background/objectives
- Motivation and user needs
- Estimation methods
- Quality acceptance criteria
- Results and conclusions
- Questions and comments

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Background

- Eurostat publishing quarterly GDP flash since 2003
 - •T+45
- 30 day estimate cited as next step
- Task force of member states struck in May 2013
 - Share information and best practices
 - Country by country overview of sources
 - Guidance document on estimation techniques
 - Develop method for euro area and EU
 - Develop quality acceptance criteria
 - Prepare test estimates
 - Communications plan

Background (2)

- Why introduce T+30 Flash GDP?
 - Policy decision makers need quality data sooner
 - European Commission
 - European Central Bank
 - Economic analysis
 - Monetary policy
 - Forecasting and projections

Background (3)

- Principal European Economic Indicators
 - 30 days: advance estimates of GDP, employment
 - 60 days: preliminary GDP, main expenditure and output components, flash BoP
 - 90 days: comprehensive quarterly estimates of GDP, main expenditure and output components, financial and non-financial accounts for institutional sectors and BoP

Estimation methods

- What is a flash estimate of GDP?
 - Not a forecast or a nowcast
 - Early picture of economic development published as soon as possible after the end of the quarter
 - Based on less complete info than traditional estimate
 - More limited breakdowns
 - Generally only produced for most current quarter
 - Trade-off between timeliness and accuracy
 - 3rd month in quarter often modeled in source data (ADL, ARIMA, ARIMAX)

Estimation methods (2)

- Annual and quarterly European national accounts
- GDP t+45 flash estimates
- Method for producing T+30
 - Group of member states send growth rates at T+29:
 - Those who already publish at T+30 and others who provide confidential info
 - Combine available data using weighted aggregation formula
 - Estimate missing country data
 - Use economic sentiment indicator to "top up" problematic rounding cases
 - Derive chain linked volume estimates for Euro area and EU





Quality Acceptance Criteria

1. Unbiased GDP t+30 flash estimate

- Unbiased estimate of t+45
- Average revision between -0.05 and +0.05
- No more than 66.7% of revisions in the same direction.

2. Limited average absolute revision

- Less than or equal to 0.10 percentage points of t+45
- Less than or equal to 0.13 percentage points of t+65

3. Sufficient coverage

Account for 70% of value by t+29 deadline

Results and Assessment

- Participants produced 8 quarters with "Flash" methodology retrospectively and 8 quarters on a going forward basis: total of 16 observations
- These results evaluated against pre-determined quality acceptance criteria to evaluate feasibility of t+30 flash for Euro area and EU



Results and assessment

- Overall, results demonstrate pre-determined quality acceptance criteria are met for 16 test quarters
- Authors conclude it is feasible to produce a reliable estimate of European GDP growth at 30 days after the end of the quarter

Questions/comments

- How valid are conclusions based on overall aggregates for Euro area and EU?
 - How useful is one number? Were criteria applied to individual countries reporting? Revisions analysis for countries now publishing at t+30?
- Other quality acceptance criteria considered?
 - e.g., behaviour of revisions at turning points, US GDP quality index
- Why flash estimates of quarters and not monthly GDP?