



Quality Indicators

Proposal

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The logo for 'Data GRID' features the word 'Data' in orange above 'GRID' in black, with a blue globe icon behind the letters 'R' and 'I'.

Data GRID Summary

- ◆ Objectives
- ◆ Quality Indicators for the development phase
- ◆ Quality Indicators for the production phase
- ◆ Questions



Quality Indicators (QuI) objectives

- ◆ QuI constitute overview control indicators for the project.
- ◆ Other detailed indicators and statistics will be produced as part of the monitoring functionality.
- ◆ We will distinguish two types of quality indicators:
 - Development phase QuI's
 - Release Plan control indicators
 - Deliverable reports control indicators
 - Production phase QuI's:
 - Anomalies evolution
 - Testbeds operability
- ◆ QuI will be followed during the whole project and updated monthly.
- ◆ For each indicator we will propose a WP responsible for producing it. The project Office will centralise and publish them (on the web?) monthly.



QuI for the development phase (1/2)

- ◆ Release Plan control indicators:

1. Development timing: Delivery for integration time against planned time
2. Integration timing: Time spent against planned time
3. Validation timing: Time spent against planned time
4. Coverage rate of planned requirements defined in the release plan: Number of planned requirements against delivered coverage requirements for point 1, and successfully tested for points 2 and 3. WPs will provide the list of delivered features and associated status (done, not done) as expected in the release plan.

- ◆ These indicators will concern middleware WPs (1,2,3,4,5,7) and will be produced for each WP, except for point 3 that concern application WPs (8,9,10):

- ◆ These indicators will be produced by WP6.



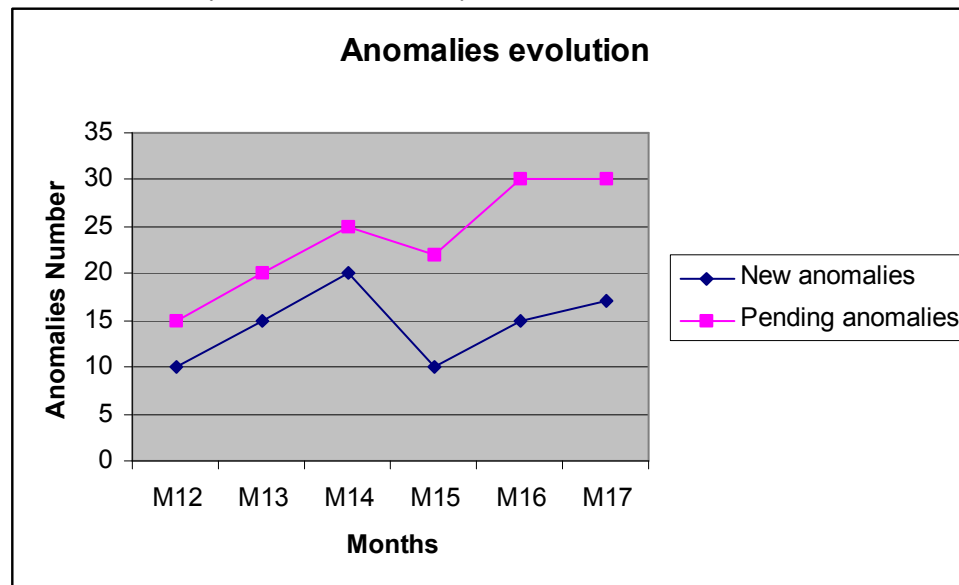
QuI for the development phase (2/2)

- ◆ Deliverables reports control indicators:
 - Number of PTB cycles for approving a deliverable
 - Rate of deliverables delivered in time for EU review
 - Rate of approved deliverables by EU
- ◆ These indicators will concern all WPs and will be produced for each WP.
- ◆ These indicators will be produced by WP12.



QuI for the production phase (1/2)

- ◆ Anomalies evolution during the production phase:
 - Number of new anomalies. Users should fill the release version field in Bugzilla in order to distinguish anomalies during integration and anomalies during the production phase.
 - Medium time for anomalies resolution.
 - Number of pending anomalies .
- ◆ These indicators will concern middleware WPs (1,2,3,4,5,7) and will be produced for each WP.
- ◆ These indicators will be produced by WP6 (Automated queries to Bugzilla).





QuI for the production phase (2/2)

- ◆ Testbeds operability (These indicators will concern the main testbeds in production):
 - Number of sites in production
 - Number of processors
 - Number of declared users and active users
 - Availability testbeds rate. This indicator is the ratio between successful jobs and failed jobs. This indicator will be produced for each site
- ◆ These indicators will be produced by WP3/WP1.

