

# Future of Operational Tools - Separate proposal

First meeting – 6th October

# Agenda

- **JRA1 Status** - Tiziana Ferrari
- **Operational Tools Proposal** - Carlos Fernández
  - Need for a separate proposal - Motivation
  - List of tools
  - Topics for discussion
- **Action Plan**
  - Summary and next steps

# Motivation

- **Still a lot of development needed for EGI to operate**
  - New messaging system (ActiveMQ)
  - Regionalization
  - Automation
  - Support of virtualization
  - Other improvements planned
  - ... and other, probably, unplanned
- No funding within EGI or EMI of this effort

# (Probably incomplete) List of Tools

- Tomasz (Poland) ->bazaar tool
- GGUS: FZK // Torsten Antoni torsten.antoni@iwr.fzk.de
- Operations portal: IN2P3 // Rolf - Helene rumler@in2p3.fr, helene.cordier@in2p3.fr
- Accounting portal: CESGA
- Accounting repository: STFC // John Gordon john.gordon@stfc.ac.uk, cristina.del-cano-novales@stfc.ac.uk
- Gridmap: CERN? and EDS (rolf.kubli@eds.com, max.boehm@eds.com)
- SAM: CERN // Ian Bird, and SRCE // Emir Imamagic <eimamagi@srce.hr>
- WMSMonitor: INFN // Tiziana
- GOCDB: STFC // John Gordon and Gilles Mathieu

# Topics for discussion

- Maintenance + development (or just devel.)?
- Willingness of partners to participate to a new project: opinions?
- Other products to be included in the list?
- What type of innovation is proposed?
- What relationship with EMI and EGI? Ready for SLAs limiting the max time allowed to fix the code?
- Project director and contractor?
- Availability of time to contribute to the editing of the proposal: Editorial Board?
- Duration and funding
- Structure
- Call
- Funding (this goes together with the duration)
- Any other tools (put this earlier in the agenda)
- Acronym

# Topics for discussion

- Maintenance + development (or just devel.)?
  - JRA will still be in the EGI proposal
  - Makes sense?
- And if the project proposal is rejected?? What sustainability of tool development activities?

# Topics for discussion

- Duration
  - Four years project? Probably too much: 2 years?

# Topics for discussion

- Structure
  - WPs
  - Structure
  - Coordination with EGI/EMI? SLAs with them?



# Topics for discussion

- Call
- 1.2.1.3 – Middleware and repositories
- **Develop** middleware that strengthens European presence by consolidating or even going beyond existing DCIs (e.g. exploiting emerging **developments like virtualisation**), while improving their *stability, reliability, usability, functionality, interoperability, security, management, monitoring and accounting, measurable quality of service, and energy efficiency*.
  - Do operational tools fit here? Depends on the meaning of term “middleware”..
- Create user-friendly and comprehensive repositories of software components that complement the middleware services. Harvested components should be slightly adapted, if necessary, to become of interest to as many user communities as possible. Once created, the future **maintenance** of DCI-related repositories could be ensured by the EGI
  - Looks out of scope

# Topics for discussion

- Funding / Effort
  - More than JRA1,
    - JRA1: 9.75 FTEs x 90k€ = 877.5K€/year
  - But not much more...
  - The project needs to cover more topics...

Subtask	Year 1 (FTE)	Year 2 (FTE)	Year 3 (FTE)	Max <sup>1</sup>	Notes <b>This is not a final proposal for final effort distribution. This table summarizes the effort requests expressed by the developers. The final effort distribution will be defined after having reached an agreement on the technical description of work.</b>
<b>JRA1.1 Management</b>				<b>Tot: 1</b>	
	1	1	1		
<b>JRA1.2 Operations tool development and maintenance</b>				<b>Tot: 6.75</b>	6.75 FTE + SAM development/maintenance effort TBD
Operations portal	1.5	1	1	1.5	Maintenance effort: 0.5 FTE Development effort: 1 FTE, in Year 1 decreasing to 0.5 FTE in Year 2
EGI helpdesk	1.5 + 0.5	1.5 + 0.5	1.5 + 0.5	2.0	Maintenance/development of the central helpdesk: EGI Global task, effort from O-E-16 (1.5 FTE out of 2 FTE) – currently in WP3 Maintenance/development of one reference regional helpdesk: 0.5 FTE
Grid configuration repository: GOCDB	0.75	0.5	0.5	0.75	0.5 FTE for maintenance work taken from O-E-2 (1 FTE)
Accounting repository	1	1	1	1	Regionalization and maintenance: 0.5 FTE for 3 years (effort from O-E-2) Development: 0.5 FTE from October 2010 to May 2013
Accounting portal	0.5	0.5	0.5	0.5	
Service availability monitoring	TBD	TBD	TBD	0.5 + TBD	NCG Component: maintenance and development requires 0.5 FTE; maintenance and development of other SAM components TBD
GridMap	0.5	0.5	0.5	0.5	Maintenance and development: 0.5 FTE (Tiziana's provisional estimation)
<b>JRA1.3 Tools for automation of Grid service auditing</b>				<b>Tot: 1</b>	
Development of general framework, porting of existing tools	1	0.5	0.5	1	
<b>JRA1.4 New operational tools</b>				<b>Tot: 1</b>	
	1	TBD	TBD		If development of new tools will be required, starting from Y2 effort will be allocated from activities finishing at the end of Y1
<b>GRAND TOTAL</b>	<b>TBD</b>	<b>TBD</b>	<b>TBD</b>	<b>9.75 FTE</b>	

# Topics for discussion

- Any other tools
  - That should go in the proposal
  - Support for EGI business model:
    - Eg. Economic accounting?, accounting of other EGI services (in addition to computing)?
    - BAZAAR?

# Topics for discussion

- Acronym
  - Not very important now but will....

# Topics for discussion

- AOB

# Action Plan

- **Summary**
  - Send notes by tomorrow
- **Circulate draft of proposal**
- **Get inputs from partners**