**EGI-InSPIRE**

MPI WITHIN EGI
virtual team project report

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1. Document Log

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| **Issue** | **Date** | **Comment** | **Author/Partner** |
| 1 | 01/06/2012 | First draft with content outline | Gergely Sipos/EGI.eu |
| 2 |  |  |  |
| 3 |  |  |  |

1. Application area

This document is a public report produced by the members of the ‘MPI in EGI’ EGI Virtual Team project, run under the EGI-InSPIRE NA2 virtual team framework. Further information is available at <https://wiki.egi.eu/wiki/Virtual_team>.

1. Terminology

A complete project glossary is provided at the following page: <http://www.egi.eu/about/glossary/>.

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# Introduction

(To be written by Alvaro and Gergely)

* Goals of the VT
* What was planned, what really happened (mitigation from plans)

# Areas of work

Each section is to be written by the corresponding area leader.

Each area should be max ½ page, split into two parts:

* Achievements: What has been achieved within the VT in that area.
* Open actions: What are the actions that have been identified as something to be done (inside or outside of EGI-InSPIRE), but was not finished during the lifetime of the VT. Who will complete these actions? (Typical items that need to be described here are developments by SA3, JRA1 or EMI.)

When you write your section add references into footnotes!

The current content is only an outline. Turn these items into complete sentences. Add any missing bit (most of the content comes from the last VT Telcon, which was not attended by all the area leaders!)

## Documentation

(Enol Fernandez/Paschalis Korosoglou)

Achievements:

* + Two types of documentations are needed: user + admin.
	+ Admin is done, the user doc still needs to be finalised. (Insert links)
	+ Enol is on holiday. He will complete this after he is back.
	+ What has been changed/improved in these?

Open actions:

* + How will the open developments (see other areas) effect the correctness of the documentation? Will the documentations need to be updated after the open developments are finished? SA3 will have to do these updates. (See Dow)

## Nagios probes

Achievements:

* + The VT specified the Nagios probes that are needed to monitor the correctness of MPI sites.
	+ Provide a summary of the proposed probes.

Open actions:

* + - Enol in EGI-InSPIRE SA3 will finish the developments of the probes. Foreseen timeframe: within 3 weeks.
		- The probes will be integrated into the SA2 Nagios box. This is the internal testbed (by SA2)
		- After successful tests the OMB decides to include the probes in the production infrastructure (in the SAM release). There is a process for that in SA1. This process takes at least a few months!
	+ The whole process can be finished at the end of the calendar year the earliest. Someone (SA3?) needs to monitor progress and deviation from these plans.

## Information system

Achievements:

* + Goncalo developed and run scripts to test the correctness and completeness of the information published by MPI sites in the Info system.
	+ The scripts have been written based on the Nagios probe specification so it run similar tests that the probes will do. Enol has to use these scripts to develop the probes. The scripts have been already sent to the VT email list.
	+ The tests have been performed on the whole infrastructure.

Open actions:

* + - EGI Operations received the test results and need to follow up with sites that publish incorrect data. Start with those sites that are in the MPI Kickstart VO (See topic below), so at least that VO is fixed.
		- EMI will develop the ‘MaxSlotsPerJobs’ as a new value to be published by batch systems in the Info system. (Link to requirement ticket, Savanna ticket?)

## Accounting system

Achievements:

 ??? Area representative was not in the call.

Open actions:

* + Requirement: #3328 is submitted to JRA1. Status is unknown. Alvaro will clarify this with Daniele.
	+ Roberto has put in a requirement to EMI about an APEL. (Link to this?)

## Batch system integration

Achievements:

* + Issue was identified about MAUI & Torque. Explain the issues
	+ The issues were submitted to EMI. (link to tickets)
	+ EMI recently provided the EMI-2 release that includes these fixes. It will be available in the UMD after the EGI rollout.
	+ There are not other open items.

## Gather information from MPI sites – VO setup and testing

Achievements:

* + MPI kick-start VO setup. Members, size, link to VO ID card?
	+ There is a very active user (who? From which community?), with whom the infrastructure and the documentations have been updated in several rounds
		- What have been changed and improved?
		- Are there other users?
	+ Commitment of sites in the VO:
		- CESNET remains to stay in the VO
		- CESGA will also stay at least until the end of the year

Open actions:

* + Having more sites in the VO would be good. Promotion to sites through SA1 mechanisms. Promotion to communities through UCB, VO Managers’ list?
* Support units, email lists.

# Conclusion

(to be written by Alvaro and Gergely)

* Add a table of open actions here that includes the tasks/projects who are carrying out the actions. SA3 will use this table to monitor progress and raise alarms in case of deviation.
* VT email list will remain in use for the report and demo preparation, but not for continued support.
* For MPI related support and development the existing SA3 email list should be used.
* A demo proposal will be submitted to EGI TF (by Alvaro) It would present the achievements of the VT and its partners. It would demonstrate how good the MPI services and support are in EGI.
* A leaflet should prepared for the TF about the MPI support with TNA2.2 (Marketing and communication). (Content for the leaflet will be largely based on the ‘Achievements’ parts of this report)