

Project technical overview

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aim of this presentation

- brief review all the WPs pointing out
 - objectives of each of them
 - task list within them
 - state of the work of each of them
 - identify open/urgent issues to be address during this meeting



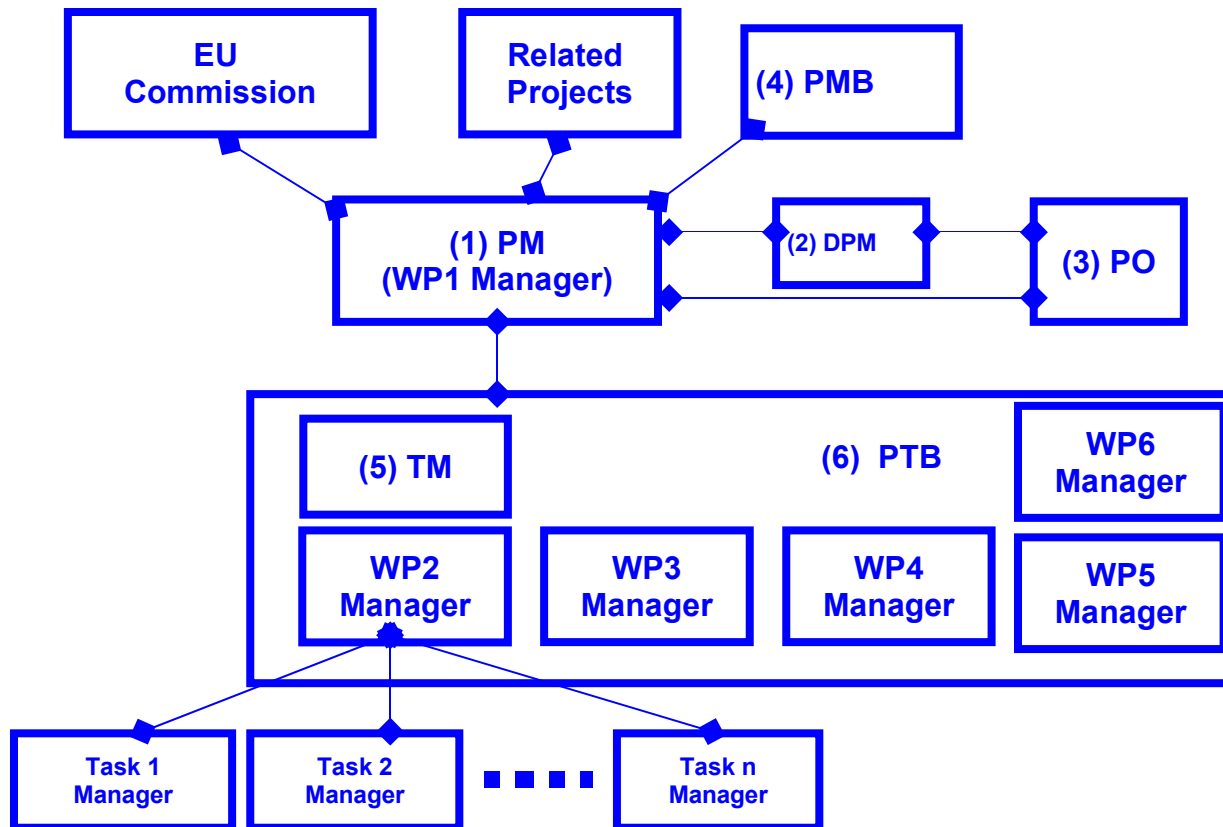
WP1: Project Administrative and Technical Management

WP leader: INFN



- task 1.1:
 - administrative management
- task 1.2
 - technical management





project management structure



tools for WP1

- official mailing lists:
 - EU-indiagrid-partners@Eu-indiagrid.org/eu
 - EU-indiagrid-pmb@eu-indiagrid.org/eu
- temporary mailing list:
 - euindiagrid-partner@lists.ictp.it
- “ad hoc” mailing lists can be created for each WP



tools for WP1

- official Web portal :
www.euindiagrid.org/eu
under full development by Metaware
(see WP6)
- EuindiaGrid system for document
management (CERN Invenio tool or
other solutions under investigation)
 - documents.euindiagrid.org



face to face meetings:

- Kick-off Project meeting.
- International workshops: (see WP6 work plan).
- Quarterly PMB meetings (when possible, in conjunction with the project workshops and/or EU reviews).
- Monthly Technical Board Meetings (Videoconferences)





WP1: what we have to decide..

“A calendar with the dates of ordinary meetings will be agreed yearly at the kick-off meeting and at the last meeting of the first year “



WP2: Building an eScience Network Community

WP leader: METAWARE



WP2: aim

bringing together a community of Indian and European researchers and industrialists interested in learning more about EU-India grid infrastructures



WP2: tasks

- 2.1 Community building identifying researchers & RTD performers interested in Grid Infrastructures
- 2.2 Community building identifying industries, SMEs & international performers interested in Grid Infrastructures
- 2.3 Synergies with other projects & initiatives
- 2.4 Sustainable Actions



WP2: tools

- Databases of contacts
 - hosted on the website
- Public Deliverables
 - documents to be offered to interested people&SME etc..



WP2: actions to be decided at KOM

- discuss the Memorandum of understanding with Belief
- organize the presence of our project at different conferences/events:
 - IST 2006: Helsinki 21-23 november 2006
 - Belief conference 13-15 in Dheli



WP3: Network Planning Support

WP leader: GARR



WP3 objectives

- Analyze the present and foreseen network connectivity plan between Europe and India and promote improvements in terms of bandwidth and network services.
- Address the requirements of actual and potential grid users in India and provide them with adequate bandwidth and services.
- Provide the EU-IndiaGrid community with adequate user support.



WP3: about connectivity India-EU

- **Cambridge, UK and New Delhi, India: 2nd October 2006**
 - Research networking organisation, DANTE, has announced that high-speed communication links for students and researchers between India and Europe are now live. Co-funded by the European Commission and Government of India, the new link delivers first time connectivity at speeds of 45 Mbps from Milan to Mumbai.

(Dante Press release: see talk later..)



WP3: tasks

- 3.1 – Network connectivity plan

The task is intended to provide a plan in which, starting from the present status, the foreseen evolution of network connectivity and services will be described taking into account the EU-IndiaGrid applications and users special requirements.

- 3.2 – Network support

- This activity will focus on ensuring that network performances and services are in line with the specific needs of the pilot applications and users receive adequate support in case of network malfunctioning, accidents, etc.



WP3: actions during KOM

- Discuss status of EU-India link
- Discuss India National Backbone (ERNET)
- Start thinking about the “Network connectivity plan”



WP4: Pilot Grid Infrastructure

WP leader: INFN



WP4: objectives

- Define the strategy for European and Indian Grids interoperability and provide an assessment about the key services
- Define and agree the common security and authentication framework
- Study and test of advanced services (grid monitoring, policy and resource brokering) in order to achieve a production quality infrastructure to be used by the applications



WP4 task list

- 4.1 - Establish GARUDA - EGEE interoperability
- 4.2 - Define a common security and authentication framework
- 4.3- Operational support of advanced Services: monitoring, policy and accounting management



WP4 urgent decision/discussion

- Task 2: Certification Authority issues
- Task 1: technical choices about EGEE/GARUDA interoperability

...a task will be the identification of the most appropriate middleware solutions..



WP5: Applications

WP leader: INFN



WP5 objective

To validate the Intercontinental EU-India Infrastructure using EGEE applications and to support the porting of new applications relevant for the eScience and Industrial collaboration between Europe and India.

For each application area at least one European partner and one Indian partner..



Application areas (and tasks)

- HEP (Alice/CMS experiments)
 - INFN BARC SAHA TIFR
- Biology
 - Cambridge & NCBS
- Condensed Matter /Material Science
 - ICTP & University of Pune
- Earth and atmospheric science
 - CDAC &ICTP



WP5: other consideration

- Additional applications, i.e. not foreseen at the time of writing the T.A.
 - Is there any other application ?
 - a subtask of WP2
- tools to identify them:
 - surveys/ questionnaire
 - good working examples



WP6: Dissemination & Networking Events

WP leader: Metaware



WP6 objectives

provide the organizational, promotional dissemination and outreach activities associated with communicating the grid infrastructure.

organize a series of focused networking activities to enhance the developments:

- 3 thematic workshop + 1 project conference
- several training events (4 major) a few minor



WP6 tasks

- **6.1 Promotion & Dissemination Activities** - *Task Leader Metaware*
- **6.2 International Workshops** - *Task Leader Metaware*
- **6.3 Training Events** - *Task Leader ICTP*
- **6.4 Follow-up activities and evaluation of events**-*Task Leader ICTP*
- **6.5 EU-IndiaGrid Portal Development & Maintenance**
Task Leader Metaware



WP6 training tools

- the full Gilda t-infrastructure:
- The ICTP/EGRID tools:
 - EGRID live CD
 - EGRID Ready UI / EGRID portal ...
- EGRID/Gilda interaction so far very fruitful see:
- http://cdsagenda5.ictp.it/full_display.php?ida=a05191



WP6: decision on first training events

- Two events in India in December:

- Mumbai: 1-3

WLCG Tier-2 Workshop in Asia

- Dheli: 13-15

BELIEF conference in Dheli

Can we have training events associated ?



interdependency diagram

