

Welcome to the e-Infrastructure Workshop

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2. *Purpose of e-IRG workshop*

- To collect as much input and information as possible for two purposes:
 - Luxembourg e-IRG white paper
 - Science Grid Roadmap (one time effort)

3. *What is e-IRG*

- Founded in 2003 in Athens
- Consists of official government delegates
- Mission of the eIRG
 - *The main objective of the eIRG is to support on the political, advisory and monitoring level, the creation of a policy and administrative framework for the easy and cost-effective shared use of electronic resources in Europe (focusing on Grid-computing, data storage, and networking resources) across technological, administrative and national domains.*

4. *e-IRG operational process*

- Twice a year:
 - an open e-infrastructure workshop to gather broad input from experts and stakeholders
 - Compilation of draft White Paper, formulate endorsements
 - Review and adoption by delegates at delegates meeting
 - White paper brought to attention of ministries, Brussels etc.

5. *Scope of the White Paper*

- Overview of current state of affairs
- Identify hurdles
- Provide Best Practices
- Endorsements for further development
- Look forward to important new developments



6. *Some recent subjects*

- Authentication
• Authorisation
• Accounting } AAA
- General purpose vs. disciplinary grids
- Usage policy development

7. *New subjects for today*

- Legal issues in e-infrastructures
- Building the European Science Grid
 - Advanced computing facilities
 - Storage and data services
 - International connectivity
- Network developments & grid requirements
- User requirements

8. *e-Infrastructures Roadmap*

- In 2004 the Commission proposed to have a strategic roadmap for Research Infrastructures developed to cover the next 10 to 20 years
- Four complementary infrastructure roadmaps for four discrete areas are currently on their way:
 - Physical Sciences/Engineering (ESFRI)
 - Life Sciences (ESFRI)
 - Social Sciences/Humanities (ESFRI)
 - e-Infrastructures (e-IRG)

9. *Where are we now?*

- First step taken in March this year: e-IRG produced an Opportunities List
- This document will be the skeleton for the first version of the Roadmap which is due to appear next month
- Efforts are applauded by commissioners Reding and Potocnik

10. *European Science Grid*

- Introduced first in the Opportunities List
- Four base components:
 - hybrid networking
 - highly advanced computing
 - non-compute research facilities (e.g. sensor grids)
 - data storage and servicing
 - All together in a seamless grid environment !
- User support, help desk

11. *What will today look like?*

- 10.15-11.30 Plenary presentations
- 11.30-11.45 *Break*
- 11.45-12.30 Parallel session (White Paper)
- 12.30-13.30 *Break for lunch*
- 13.30-14.15 Parallel session (White Paper)
- 14.15-14.30 *Break*
- 14:30-15:15 Parallel session (Roadmap)
- 15:15-15:30 *Break*
- 15:30-16:15 Parallel session (Roadmap)
- 16:15-17:00: Plenary presentations of sessions outcomes
- 17:00-18:00: Drinks courtesy of Luxembourg EU Chair

12. *Parallel sessions*

- Each session features:
 - a chairman
 - a secretary
 - Max. 18 participants (approx.)
- Chairman leads the discussion
- Secretary makes notes
- Chairman presents summary at the end of day in final plenary