



*e-IRG Workshop
Poznan, 12-13. October*

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e-IRG
e-Infrastructure
Reflection Group

Some challenges for European e-Infrastructures

- Pan-European e-Infrastructures cross multiple administrative and national domains
- ICT is changing rapidly and continuously
- Policies for sharing and accessing resources should
 - keep pace with technology development
 - stimulate European collaboration
- Member State ministries and Commission need qualified and consolidated advice

A general-purpose European e-Infrastructure is an essential component of the European Research Area (ERA)

e-IRG mission:

-pave the way towards a general-purpose European e-Infrastructure

- e-IRG initiated in June 2003 (Athens workshop)
- 2 delegates per country appointed by national governments.
- Governance structure: Permanent chair, rotating co-chair/troika (executive board) according to each semester EU presidency
- Mode of operation: Consensus opinion by e-IRG plenum
- Target audiences:
 - Policy makers on the (inter-)governmental level
 - Mainly dealing with strategy and funding issues
 - e-Infrastructure service-providers
 - Research networks or computing/data centres
 - Projects that build on this base to provide higher-level services
 - Existing and new user communities
 - looking for the capacities and capabilities that the current and near-future e-Infrastructure can provide
 - Technology developers

Key achievements 2010-2011

- Major recent publications
 - e-IRG roadmap 2010
 - “Blue Paper 2010”: Request from ESFRI to e-IRG
 - On how the e-Infrastructure could be utilized by the ESFRI Roadmap projects in a cost efficient way.
 - White Paper 2011 & Recommendations 2011
 - Historical recommendations:
 - A sustainable European Grid Infrastructure
 - A European High Performance Computing Service

Recognition of e-IRG:

Competitiveness Council Conclusions, 03.12.2009:– *“WELCOMES the work of the e-IRG to address policy related barriers for the shared use of e-Infrastructures”*

- How do we deal with the increasing energy demands of computing?
- What software is needed to fully tap the power of future HPC systems?
- What are the appropriate governance models for e-Infrastructures?
- How to facilitate access, discovery and sharing of large and diverse sources of scientific data?
- Can we ensure trust in the use of e-Infrastructures?
- How to further advance research networks, and adopt new e-Infrastructure services?

- **ERA and “5th freedom” in Lisbon Treaty**
 - e-IRG is active in consultations on ERA

- **EU2020: smart, sustainable and inclusive growth (March 2010)**
 - Digital Agenda and Innovation Union is motivating e-IRG publications (i.e. Open innovation model, narrow digital divide, support cohesion)
 - ***e-IRG Digital Agenda Position Paper near publication***

- **HORIZON 2020**
 - Extensive consultations

These policy issues create one major pillar of the Poznan workshop

e-IRG and ESFRI

ESFRI – European Strategy Forum on Research Infrastructures

- ESFRI recognizes the role of e-IRG and e-Infrastructures
- Some ESFRI projects are disciplinary e-Infrastructures
- All ESFRI projects depend on e-Infrastructures
- Access to remote or distributed infrastructures
- Broadening exploitation
- Data!
- Data Management Task Force Report (2009)
- e-IRG Blue Paper to ESFRI (2010)
- On-going Collaboration



ESFRI charge to e-IRG:

What is best practise in data management for European RIs?



- e-IRG suggests that joining forces between “clusters” of ESFRI RIs and the horizontal layer is the way forward.
- e-IRG workshop Poznan 12-13. Oct aims to bring actors together
- e-IRG Task Force on Data Management aims to extract «best practise» and policy recommendations

The European Data Infrastructure Challenge

Opportunity offered by the EC:

1. FP7 Clusters of ESFRI infrastructures

- BioMedBridges - Building data bridges between biological and medical infrastructures in Europe
- CRISP - Cluster of Research Infrastructures for Synergies in Physics
- DASISH - Data Service Infrastructure for the Social Sciences and Humanities
- ENVRI - Common Operations of Environmental Research Infrastructures

2. FP7 Data infrastructures

- EUDAT – European Data
- OpenAire+ – Open Access Infrastructure for Research in Europe

Opportunities offered

Bringing together the ESFRI clusters and the “horizontal level projects” offers an unprecedented opportunity for progress:

Advising on Data management policy for research infrastructures

Progressing on data infrastructures, in general

No other place in the world has this opportunity

Europe has this opportunity NOW and HERE!

...This was the other main pillar of the Poznan workshop