

ISC 2011 – BoF
e-Infrastructure for Science in Europe
Hamburg, Germany
22 June 2011

e-IRG

e-Infrastructure Reflection Group

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e-IRG
e-Infrastructure
Reflection Group

www.e-irg.eu

Mission and Vision

e-IRG Meeting in Lugano (Switzerland) in 2008:

The e-IRG **mission** is to pave the way towards a general-purpose European e-Infrastructure.



The **vision** for the future is an open e-Infrastructure enabling flexible cooperation and optimal use of all electronically available resources.

Structure and Members

- Inter-governmental **policy body**
- Recognised as an **advisory body** by the European Commission
- **National delegates** appointed by the member state ministries from more than 30 European Countries
- Representatives from the **European Commission**

Working Methods

e-IRG Workshops (2 per year):

- open forum to present, debate and consolidate e-Infrastructure best practices and policies
- function as incubators for feeding new information and trends into the e-IRG plenum work

e-IRG Delegates Meeting (4 per year)

- reflect on and balance inputs from the open e-IRG workshops, e-IRG Task Forces, expert consultations and projects that represent infrastructure users or service providers
- analyze key issues to form and communicate consensus recommendations



e-IRG White Paper

- summarizes on-going discussions around key e-Infrastructure areas and topics that require immediate policy actions
- forms the basis for proposing formal e-IRG recommendations at the national and EU levels
- short- to medium-term scope and strategy

e-IRG Roadmap

- responses to emerging technologies, paradigm shifts
- long-term strategic issues

**Recommendations, Task Force Reports,
“ESFRI Blue Paper”, ...**

Outcome

e-IRG Recommendations:

- a sustainable European Grid Infrastructure
- a European High Performance Computing Service

Consequences:

- Establishment of EGI (European Grid Initiative)
- Establishment of PRACE (Partnership for Advanced Computing in Europe)

Next goal:

- a European Data Infrastructure

7th e-IRG White Paper 2011

- 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?

e-IRG Knowledge Base

- Contains information on European e-Infrastructures HPC, grids and storage resources for science and research
- National and European policies and policy organizations
- National and European research networks
- Projects and initiatives
- Funding programmes
- Contact points
- Calendar of events
- Project lookup
- knowledgebase.e-irg.eu

The screenshot shows the e-IRG Knowledge Base website. The header includes the e-IRG logo and the text 'Knowledge Base'. The main content area is divided into several sections:

- Europe**: A list of countries with their respective flags: Finland, France, Georgia, Germany, Greece, Hungary, Iceland, Ireland, Italy, Latvia, Lithuania, and Luxembourg.
- General**: A section for general information, including Documents and Applications.
- Experimental features**: A section for experimental features.

On the right side, there is a sidebar with a search bar and a list of items, including 'Greece GR Expand - Collapse', 'Summary Expand/collapse', 'Projects Expand/collapse', 'E-IRG', and 'Comments Expand/collapse'. Below the sidebar, there is a text input field for comments: 'Comment or suggestion on this topic? Let us know.'

e-IRG and the Future

- The **European Digital Agenda** - part of the Europe 2020 Strategy. Defines how the use ICT will enable Europe to succeed in its ambitions for 2020
- The Digital Agenda creates a surrounding policy framework around the work of e-IRG by fundamentally shaping the European ICT landscape.
- Overall aim of delivering sustainable economic and social benefits from a digital single market based on ultra-fast Internet and interoperable applications.
- The e-Infrastructure community sees as its duty to contribute in all possible ways to the realization of this vision.