



Welcome to the e-IRG

Workshop 4.-5. April, 2011!

**e-IRG**  
e-Infrastructure  
Reflection Group

[www.e-irg.eu](http://www.e-irg.eu)



1. About the e-Infrastructures Reflection Group (e-IRG)
2. About this workshop

# 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 <sup>s1</sup>

## e-IRG White Paper

- summarises 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”

## Slide 7

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s1

This has to be updated once we have elaborated clear definitions of the different documents (White Paper etc)  
sandberg; 25-1-2011



# Some historical examples

## *e-IRG has recommended:*

- A sustainable European Grid Infrastructure
  - EGI has been established
- A European High Performance Computing Service
  - PRACE has been established
- A European Data Infrastructure
  - ***A crucially missing component***
- ...

# e-IRG White Paper 2011

Instrumental for e-IRG in carrying out its mission:

- to pave the way towards a general-purpose European e-Infrastructure for research
- 7<sup>th</sup> white paper
- Developed during Spanish, Belgian (in particular) and Hungarian presidencies
- Contributions from e-IRG delegates
- Now for public consultation

## Some critical questions dealt with in WP:

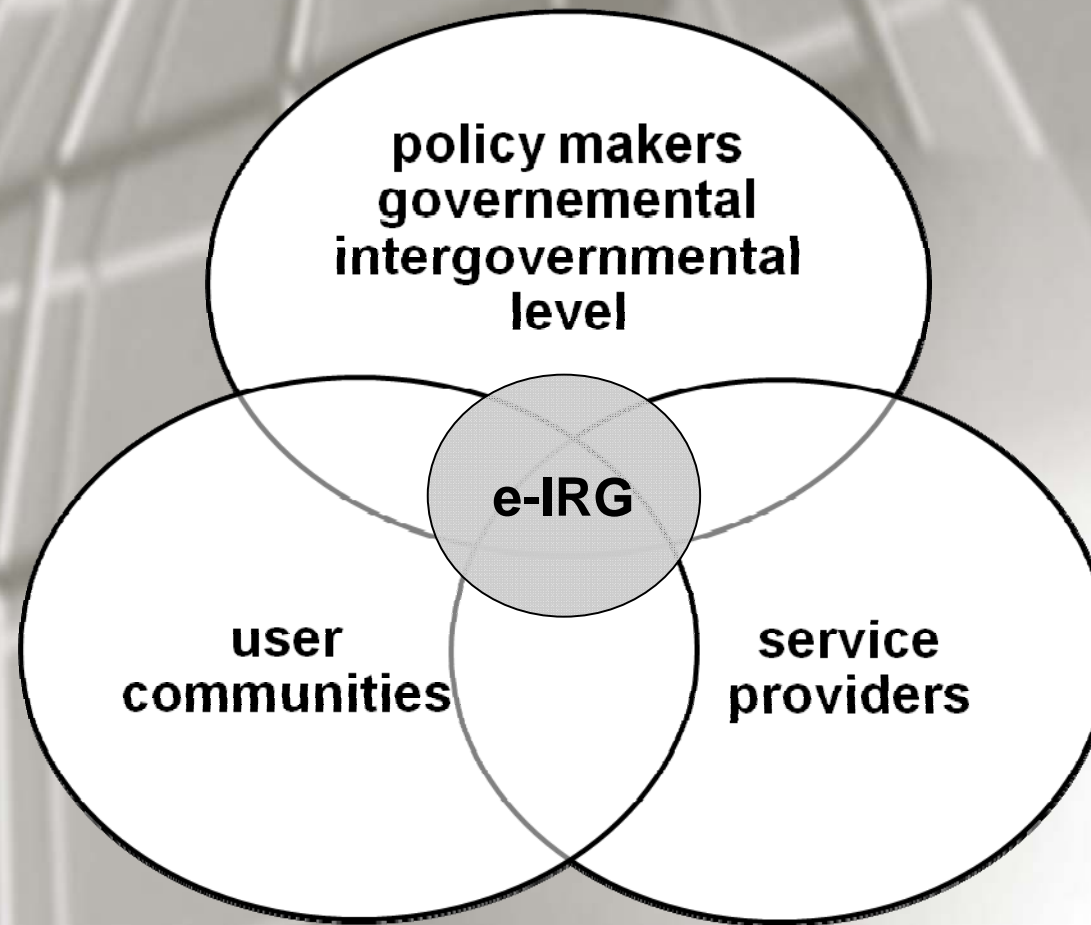
- How do we deal with the increasing energy demands of computing?
- What software is needed to fully tap the power of future HPC systems?
- What are the appropriate governance models for e-Infrastructures?
- How to facilitate access, discovery and sharing of large and diverse sources of scientific data?
- 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](http://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'. A left sidebar contains a navigation menu with categories: Europe, Countries, Projects, Computer centres, Grid Organisations, Funding Programmes, General, Documents, Applications, and Experimental features. The main content area displays a list of countries with their respective flags: Finland, France, Georgia, Germany, Greece, Hungary, Iceland, Ireland, Italy, Latvia, Lithuania, and Luxembourg. A right sidebar shows a section for 'Greece GR Expand - Collapse' with sub-sections for Summary, Projects, E-IRG, and Comments, each with an 'Expand/collapse' link. A comment box is visible at the bottom of the right sidebar.

# e-IRG and the Surrounding



# 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 realisation of this vision.



# Setting the stage

e-Infrastructures after FP7 (see EC “Green Paper”)

Current drivers:

- EU 2020 Strategy (innovation, ERA)
- Related flagship initiatives
  - Innovation Union
  - The Digital Agenda



# Strategic considerations

- Joint consideration of excellence and cohesion aspects
- Exploitation of Structural Funds in e-Infrastructure developments  
**=> *Panel discussion this evening***
- Increased need for innovation through public-private partnerships
- Role of e-Infrastructures in these partnerships at large
- Need for stronger connection between e-Infrastructure and ICT developments.

# Workshop deliverable

*Proposed e-IRG input to consultation on  
Green Paper consultations on CSF, the Common  
Strategic Framework for future EU Research  
and Innovation Funding.*

# Now, let's go to work!

Be provocative!

Be bold!

Be innovative!

Be generous and respectful!

Be European!





## About e-IRG in 2011, about the Workshop

