



EU policy developments related to e-infrastructure

Prague, 18 September 2012

Index

- *European Commission services in support of e-Infrastructures*
- *Recent EC policy Communications and Recommendations*
- *Update on FP7 call 10*
- *Consultations in 2012*



DG CONNECT Mission

- **Core: Information and Communications Technologies**
- **Activities**
 - Research and Innovation
 - Creativity
 - Digital goods, services and Cloud Computing
 - Security
 - Global view
- **Spirit of Cooperation**





DG CONNECT C1 Mission: e-Infrastructures

- **Directorate C: Excellence in Science**
- **Deployment of e-Infrastructures**
- **High Performance Computing**
- **Géant**
- **Digital Environments**





Communications adopted on 17 July 2012

Communication "A reinforced European Research Area Partnership for Excellence and Growth"

Communication "Towards Better Access to Scientific Information – Boosting the Benefits of Public Investments in Research"

Recommendation "Access to and Preservation of Scientific Information"





Communication “A reinforced European Research Area Partnership for Excellence and Growth”

Objective

To complete ERA by 2014

Priorities

More effective national research systems

Optimal transnational co-operation and competition

An open labour market for researchers

Gender equality and gender mainstreaming in research

*Optimal circulation, access to and transfer of scientific knowledge including via **digital ERA***





Communication: “Towards Better Access to Scientific Information – Boosting the Benefits of Public Investments in Research”

- **Policy measures**
- **Open access to results of EU-funded research**
- **Funding of e-Infrastructures and projects**
- **Coordination beyond the EU**
- **Targets**





Recommendation on Access to and Preservation of Scientific Information

- Open access to scientific publications
- Open access to research data
- Preservation and re-use of scientific information
- E-Infrastructures
- Multi-stakeholder dialogue at national, European and international level
- Structured coordination of Member States at EU level



Call 10 overview



- **Opened: 20 July 2011**
- **Closed: 23 November 2011**
- **54 proposals received**
- **By topic:**

<i>Line of action/Activity</i>	<i>Funding scheme(s)</i>	<i>M€</i>	<i>Prop.ls</i>
1.2 Support to new research infrastructures			
<i>1.2.3 Construction of new infrastructures – implementation phase</i>			
INFRA-2012-2.3.1. <i>Third implementation phase of the European High Performance Computing (HPC) service PRACE</i>	<i>Combination of Collaborative projects and Coordination and Support Actions (CP-CSA)</i>	20.00	1
1.3 Support to policy development and programme implementation			
INFRA-2012-3.2: <i>International cooperation with the USA on common e-infrastructure for scientific data</i>	<i>Coordination and Support Actions – coordinating actions (CSA-CA)</i>	2.00	6
INFRA-2012-3.3: <i>Coordination actions, conferences and studies supporting policy development, including international cooperation, for e-Infrastructures</i>	<i>Coordination and Support Actions (CSA-CA or CSA-SA)</i>	14.00	47

Grant Agreements under Call 11

- **iCordi**
- **DCH-RP**
- **EGDI-Scope**
- **CIRCE**
- **EESI2**
- **iMENTORS**
- **ER-flow**
- **Helix Nebula**
- **CoSADIE**
- **SUP@VAM DC**
- **Pro-iBiosphere**
- **COSMOS**
- **ODIN**
- **FedSM**
- **ELCIRA**

And three others still under negotiation



A European cloud computing partnership: big science teams up with big business



Strategic Plan

- ▶ Establish multi-tenant, multi-provider cloud infrastructure
- ▶ Identify and adopt policies for trust, security and privacy
- ▶ Create governance structure
- ▶ Define funding schemes



To support the computing capacity needs for the ATLAS experiment



Setting up a new service to simplify analysis of large genomes, for a deeper insight into evolution and biodiversity



To create an Earth Observation platform, focusing on earthquake and volcano research



Email: contact@helix-nebula.eu Twitter: [HelixNebulaSC](#) Facebook: [HelixNebula.TheScienceCloud](#)

April 2012

Bob Jones, CERN

11



Consultations in 2012

- *Géant*
Brussels, 18 January
 - *Industry and Innovation in e-infrastructures*
Brussels, 8-9 March
 - *e-Infrastructures for Open Science*
Rome, 11-12 April
 - *Human Capital Development*
Brussels, 30 May
 - *Distributed Computing*
18 September 2012
 - *Software*
Last quarter 2012
- Also*
- *International fora (data, REN,...)*
 - *Conferences (ICRI,...)*



Connecting
the finest
minds

••• Linking ideas at
the speed of light

Sharing the
best scientific
resources

••• Harnessing
the unlimited power
of computers,
instruments and data

Building virtual
global research
communities

••• Innovating the
scientific process



e-infrastructure

Thank you!



géant | grids | scientific data | supercomputing



European Commission
Information Society and Media