e-ScienceTalk: Supporting Grid and High Performance Computing Reporting across Europe

GA No. 260733

1 September 2010 – 31 May 2013

Catherine Gater

e-ScienceTalk Project Coordinator

www.e-sciencetalk.eu

Aims of e-ScienceTalk

To build on the significant achievements of GridTalk in bringing the success stories of Europe's e-Infrastructure to its audiences.

The key challenges are to work with the new EGI ecosystem, maintain and enhance the quality of the existing outputs, while reaching out to new disciplines and regions.

Project dates: 1 Sep 2010 – 31 May 2013

Partners

EGI.eu coordinates the pan-European distributed computing network, the European Grid Infrastructure, and leads the dissemination task

Queen Mary, University of London coordinates dissemination for GridPP, the UK Grid for Particle Physics and managed press and PR and event co-ordination for EGEE-III

APO is a web design business based in Bellegarde, France. It has worked previously on grid multimedia communication, including the GridCafé website

Imperial College is active in e-Science and created the 3-D graphical grid display tool, the Real Time Monitor

CERN is heavily involved in grid dissemination and coordinated all three phases of EGEE, including leading the outreach activity

Audiences

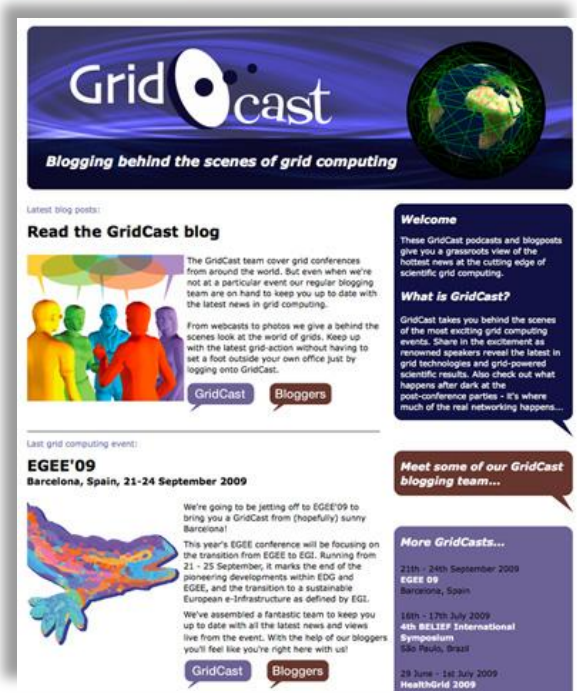
- Influential **policy makers** in European science, government and business
- European **scientists** in a position to develop or exploit grid computing
- The **general public** in Europe and worldwide
- New audience is **university students** and final year high school students, the future users of the infrastructure

New areas

- Cover the broader e-Infrastructure eg volunteer, cloud, high performance computing and the network layer
- Work with projects from a wider geographical area, including Asia, Latin America and Africa
- Preserving the existing GridTalk consortium but also bringing on board new expertise through Imperial College and EGI.eu
- Analyse the reach and impact of longer running products, such as iSGTW and GridCafé and explore sustainability beyond the lifetime of the project for all products
- Explore new Web 2.0 technologies such as social media sites and interactive visual environments

Reaching the audiences

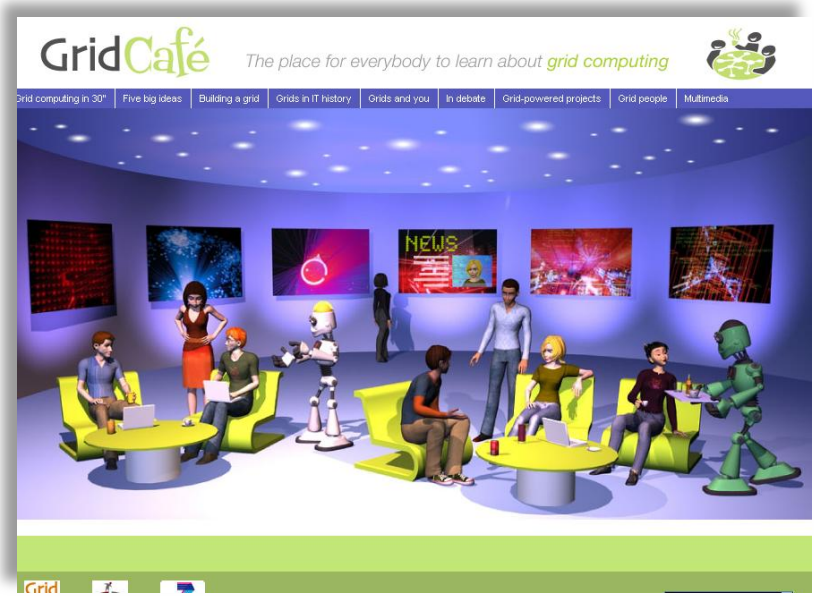
- Policy makers
- Business
- General public

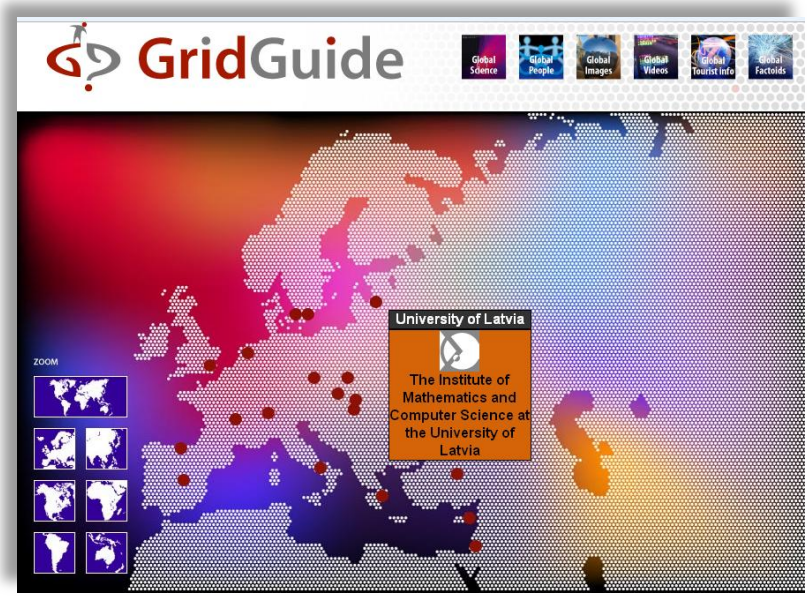


- Research community
- Grid developers
- Delegates

- Scientists
- Policy makers
- Funding agencies
- Journalists

Reaching the audiences



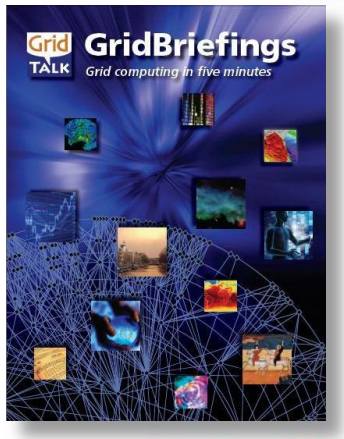


- General public
- Students
- Educators
- Projects

- General public
- Research community
- Policy makers
- Projects

Policy

- Reporting targeted at policy makers in government and businesses
- Expand the audience and distribution lists for these outside Europe
- Assess the impact of long running products and explore options for sustainability
- Attend events in order to influence policy makers and distribute GridBriefings
- Lead the e-concertation meetings in the e-Infrastructure area, maximising media impact



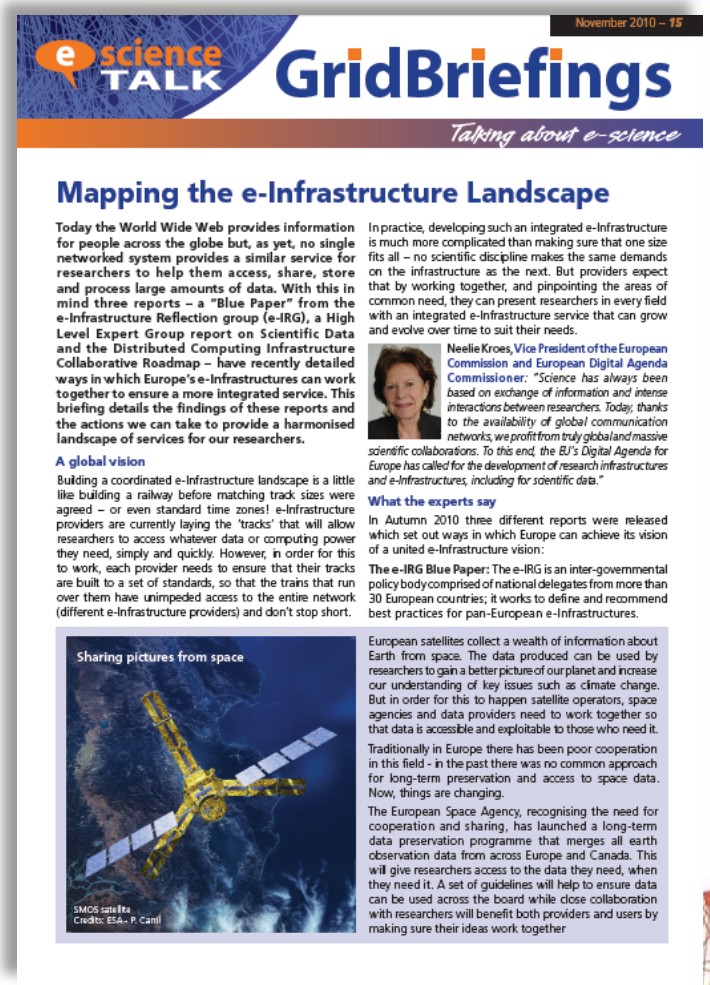
GridBriefings

- Aimed at **policy makers** in governments, parliaments, science and business, plus scientists and public

- Four page GridBriefings:
  - Grids in business
  - What is a grid
  - European Grid Initiative
  - Grids and clouds
  - Women in ICT etc

- Innovative means of engaging policy makers

- http://www.e-sciencetalk.org/briefings.php



November 2010 – 15

e-science TALK GridBriefings

Talking about e-science

Mapping the e-Infrastructure Landscape

Today the World Wide Web provides information for people across the globe but, as yet, no single networked system provides a similar service for researchers to help them access, share, store and process large amounts of data. With this in mind three reports – a "Blue Paper" from the e-Infrastructure Reflection group (e-IRG), a High Level Expert Group report on Scientific Data and the Distributed Computing Infrastructure Collaborative Roadmap – have recently detailed ways in which Europe's e-Infrastructures can work together to ensure a more integrated service. This briefing details the findings of these reports and the actions we can take to provide a harmonised landscape of services for our researchers.

A global vision

Building a coordinated e-Infrastructure landscape is a little like building a railway before matching track sizes were agreed – or even standard time zones! e-Infrastructure providers are currently laying the 'tracks' that will allow researchers to access whatever data or computing power they need, simply and quickly. However, in order for this to work, each provider needs to ensure that their tracks are built to a set of standards, so that the trains that run over them have unimpeded access to the entire network (different e-Infrastructure providers) and don't stop short.

In practice, developing such an integrated e-Infrastructure is much more complicated than making sure that one size fits all – no scientific discipline makes the same demands on the infrastructure as the next. But providers expect that by working together, and pinpointing the areas of common need, they can present researchers in every field with an integrated e-Infrastructure service that can grow and evolve over time to suit their needs.

Neelie Kroes, Vice President of the European Commission and European Digital Agenda Commissioner: *"Science has always been based on exchange of information and intense interactions between researchers. Today, thanks to the availability of global communication networks, we profit from truly global and massive scientific collaborations. To this end, the EU's Digital Agenda for Europe has called for the development of research infrastructures and e-Infrastructures, including for scientific data."*

What the experts say

In Autumn 2010 three different reports were released which set out ways in which Europe can achieve its vision of a united e-Infrastructure vision:

The e-IRG Blue Paper: The e-IRG is an inter-governmental policy body comprised of national delegates from more than 30 European countries; it works to define and recommend best practices for pan-European e-Infrastructures.

European satellites collect a wealth of information about Earth from space. The data produced can be used by researchers to gain a better picture of our planet and increase our understanding of key issues such as climate change. But in order for this to happen satellite operators, space agencies and data providers need to work together so that data is accessible and exploitable to those who need it.

Traditionally in Europe there has been poor cooperation in this field - in the past there was no common approach for long-term preservation and access to space data. Now, things are changing.

The European Space Agency, recognising the need for cooperation and sharing, has launched a long-term data preservation programme that merges all earth observation data from across Europe and Canada. This will give researchers access to the data they need, when they need it. A set of guidelines will help to ensure data can be used across the board while close collaboration with researchers will benefit both providers and users by making sure their ideas work together

EC Concertation Meetings

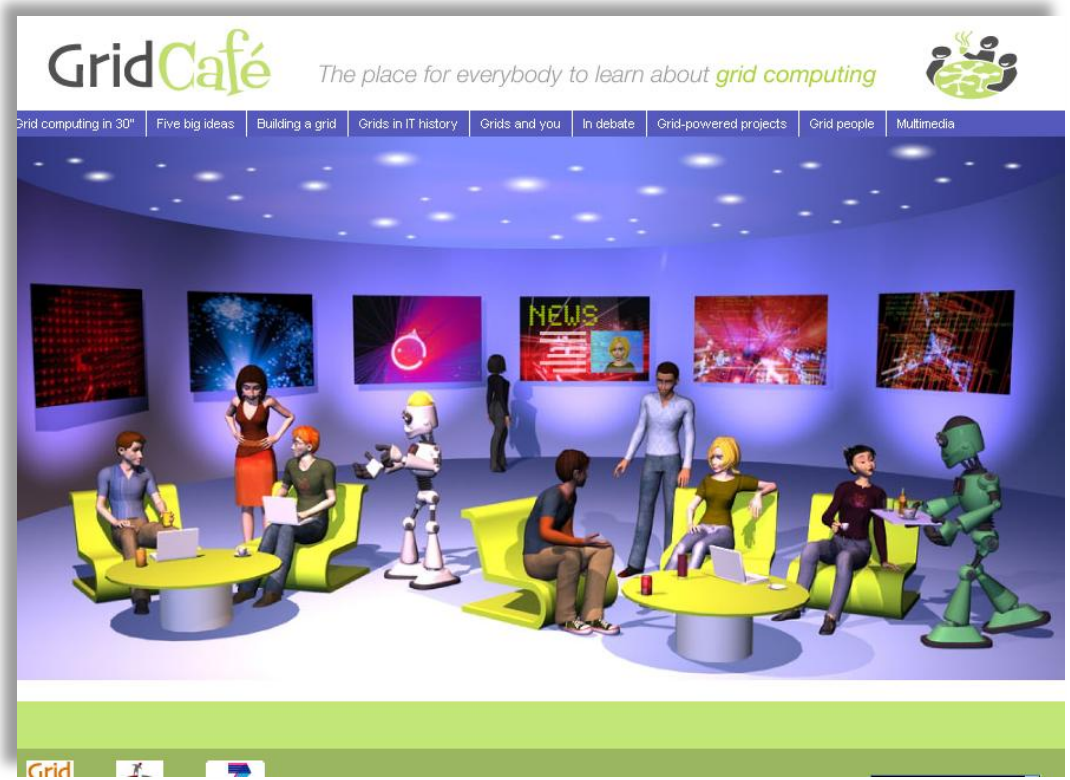
8th e-Infrastructure Concertation Meeting

4-5 Nov 2010, CERN

www.e-sciencetalk.org/concertation

GridCafé

- Keep the website at the cutting edge, developing new areas and exploring interactive 3D environments
- Award winning website, produced in 2004 to inform the public about grids
- Updated website launched November 2008.
- Translated into several languages, including Spanish and French
- Over 280,000 visits since November 2008



www.gridcafe.org

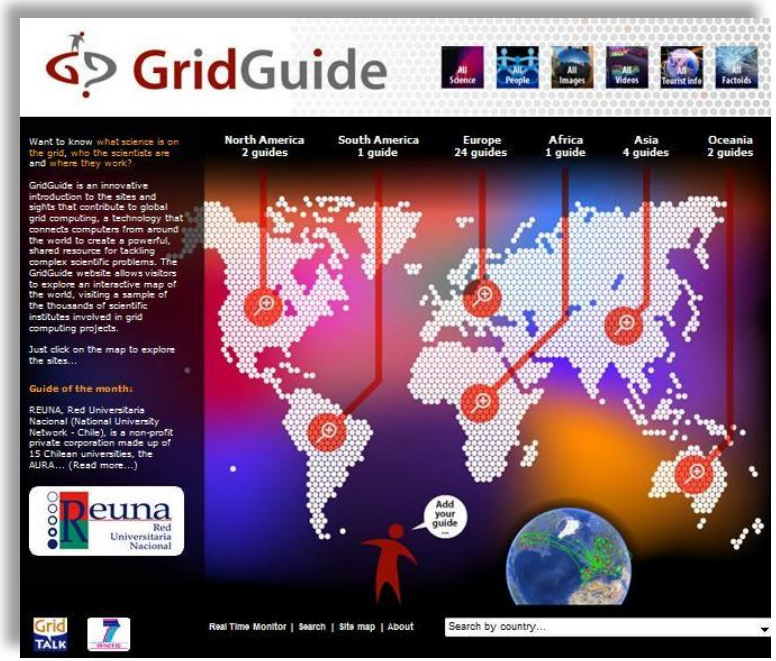
GridCast

- Update the GridCast website and market it widely to the e-Infrastructure community and beyond
- Grid users and developers blog at grid-related conferences and events
- Recent events include Citizen Cyberscience, ICT2010, EGITF2010, eChallenges
- Videocasts of demos and interviews
- 700 blog posts, 120 podcasts, slideshows, competitions, tours

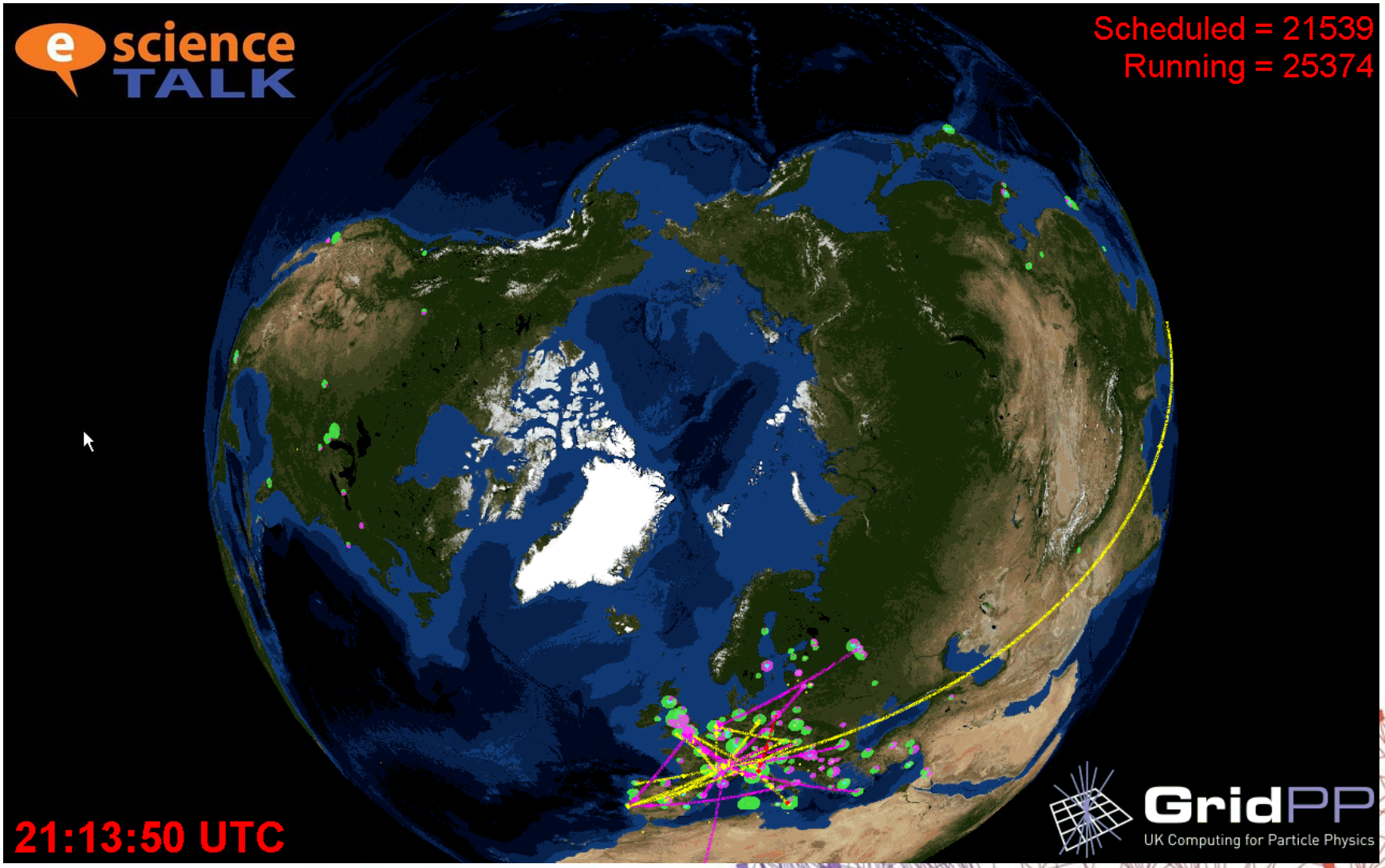
www.gridcast.org
http://twitter.com/escitalk

GridGuide

- Expand the GridGuide to cover more sites and develop further interactivity with the Real Time Monitor
- Shows the human face to the grid. Features interviews with scientists, articles from grid sites, news and images.
- Launched March 2009
- Real Time Monitor shows traffic on the grid running in real time
- 34 site guides in Europe, US, South Africa, Asia and South America



Real Time Monitor



International Science Grid This Week

- Produce a weekly electronic newsletter in partnership with the US Editor about grid and e-Infrastructure projects around the world
- Expand the coverage of iSGTW to report from geographic regions outside Europe and the US, particularly Asia and Latin America
- Expand the coverage to other forms of distributed computing, such as clouds, volunteer grids, high performance computing, networks and data
- Over 6600 subscribers worldwide

www.isgtw.org

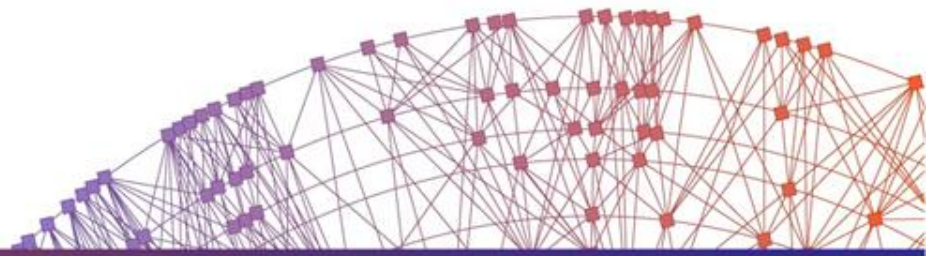
International Science Grid This Week

Coming soon…


iSGTW
INTERNATIONAL SCIENCE GRID
THIS WEEK
Coming soon...
... the new, improved iSGTW,
with a new name, and a whole new website:
The Digital Scientist www.thedigitalscientist.org

Management

- Ensure the effective coordination and running of the project, manage activities and monitor progress**.**
- Handle all reporting on behalf of e-ScienceTalk to the EC services.
- Compile and organise the assessment of the project's results and produce an overall guide to dissemination for EU projects, based on the lessons learnt.
- Assist the EC in the organisation of information days, concertation and brainstorming activities with access to videoconferencing activities.



Coordination Actions and Policy Support

e-ScienceTalk will disseminate e-Infrastructure success stories to policy makers, the scientific community and general public

Provides operational support to e-Infrastructure Reflection Group (policy committee on e-Infrastr)

CHAIN

Coordination of further extension of the European e-Infrastructure to a number of regions in the world

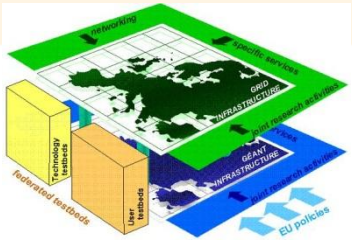
European Commission
Information Society and Media

e-infrastructure

Coordination Actions and Policy Support

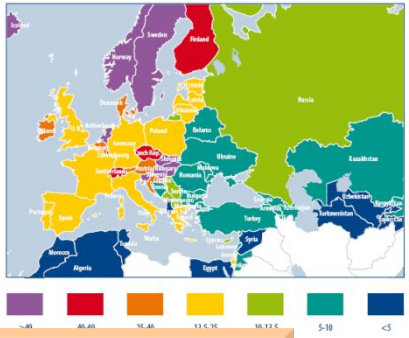
ERINA+

Optimisation and application of self-assessment methodology for e-Infrastructure projects



European eInfrastructures Observatory

eNventory establishes European eInfrastructures Observatory to monitor the development and impact of e-infrastructures



siena
Standards and Interoperability for eInfrastructure implemeNtation initiAtive

Provides a bridge between current e-infrastructures and interoperability requirements of user communities

e-infrastructure

European Commission
Information Society and Media

Coordination Actions and Policy Support

Support IPv6 deployment in Europe and developing regions and catalyse global IPv6 expertise.

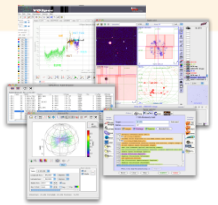
Stimulating development of National Research and Education Networks (NRENs) in Central. Eastern, Southern Europe and Central Asia.

Transatlantic cooperation toward one unique worldwide facility for studies of neurodegenerative diseases.

e-infrastructure

Coordination Actions and Policy Support

Sharing Euro-VO's concepts with other scientific disciplines with international, European, and national perspectives



INDICATE

Co-ordinate policy and best practice to use e-Infrastructures for digital cultural heritage in Mediterranean countries

pandata
Photon and Neutron Data Infrastructure

Support development of a sustainable data infrastructure for European Neutron and Photon laboratories

e-infrastructure

Coordination Actions and Policy Support

DEGISCO

Creation of new Desktop Grids for e-Science in ICPC countries and in Europe

gSLM

Ensuring high-level Service Delivery & Service Level Management in Grid Infrastructures

EESI

Support action to build a European vision and roadmap for extreme performance computing

e-infrastructure

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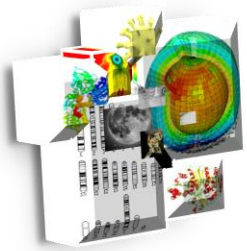
Coordination Actions and Policy Support

CASSIS

Increasing the ability of the scientific community within Europe to undertake research on all aspects related to the Solar System

Opportunities for Data Exchange

Gather and deliver evidence of best practices in sharing, re-using, preserving and citing scientific data.



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