

The European Grid Infrastructure Collaboration

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EGI.eu

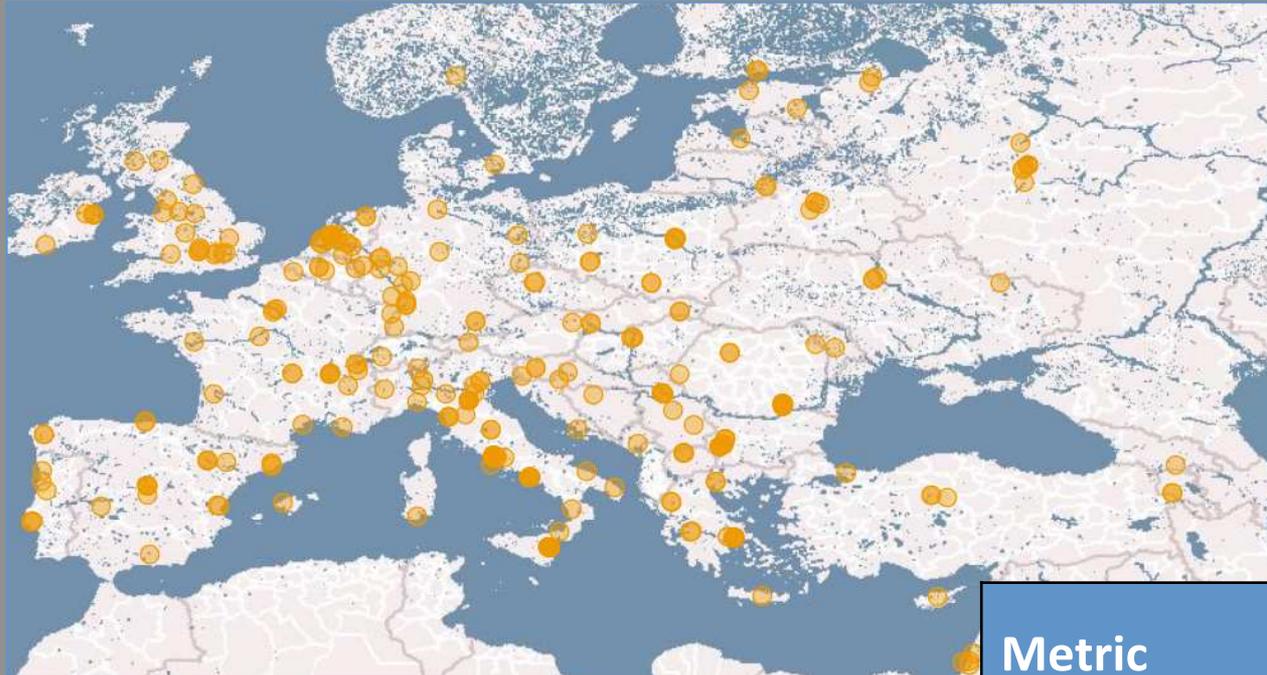
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- **European**
 - Over 35 countries
- **Grid**
 - Secure sharing of IT resources
- **Infrastructure**
 - Computers (clusters & PCs)
 - Scientific data
 - Applications
 - *and beyond!!*

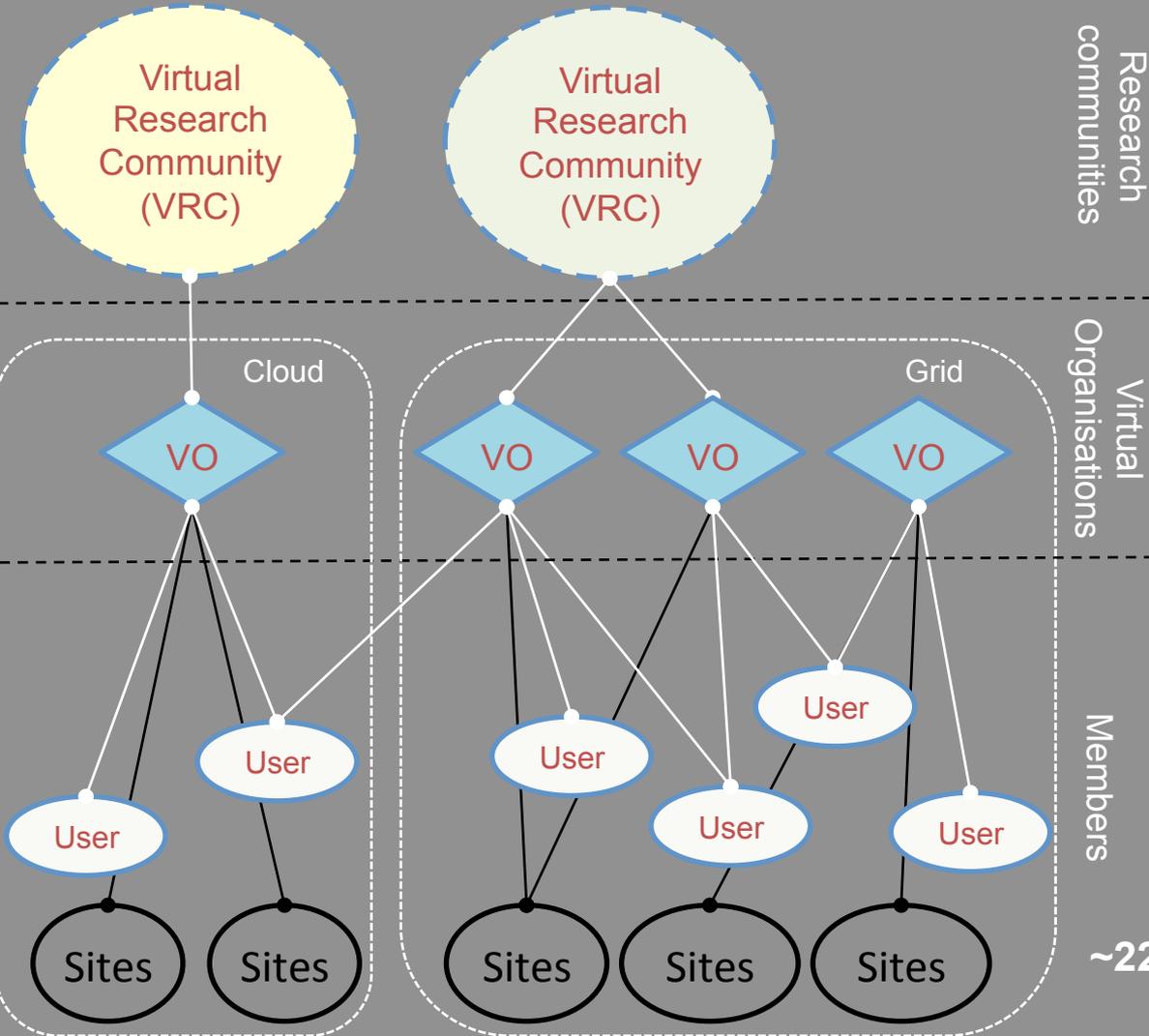


For European researchers and their international collaborators

Key resource providers in EGI: National Grid Infrastructures



Metric	Value (August 2013)
Nb. of resource centres	340
Nb. of CPU cores	373,800
Disk (PB)	235 PB
Tape (PB)	170 PB
Nb. of computing jobs	1.6 million/day



Research communities

Virtual Organisations

Members

- Most active user groups:**
- High Energy Physics
 - Astronomy & Astrophysics
 - Life Sciences
 - Earth Sciences
 - Computational Chemistry
 - Fusion
 - ...

~22.000 users, ~230 Registered VOs:
<http://operations-portal.egi.eu/vo>

Virtual Research Environments

- Integration & support of scientific environments

Operational Infrastructure

- Operate a European wide grid infrastructure
- Build a federated cloud infrastructure

Community & Coordination

- Governance
- Communication
(inreach, outreach)

- **Applications Database**

<http://appdb.egi.eu>

- Search by scientific discipline
- Search by type
- Search by country

- **Use**

- Scientific applications
- Science gateway portals
- Workflow systems
- Developer tools
- Middleware software

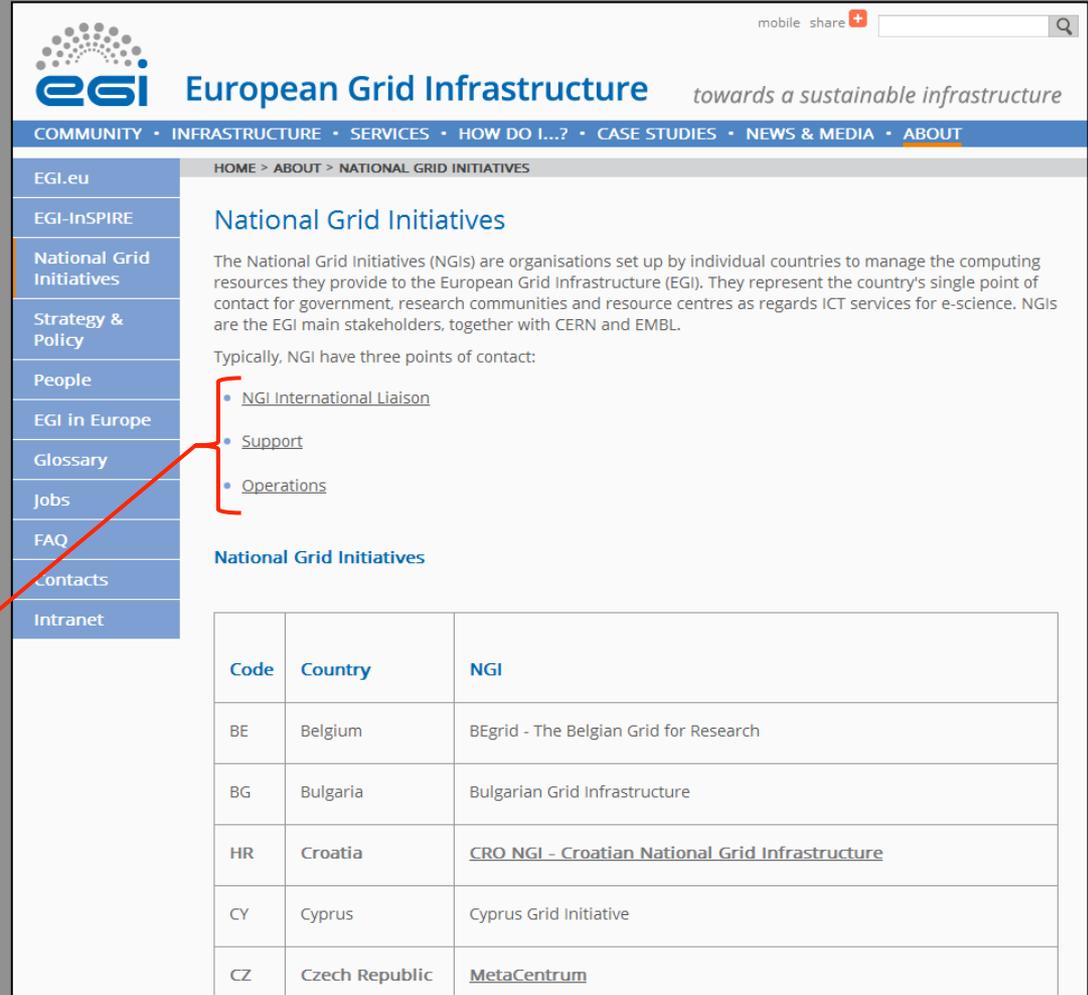
- **Interact**

- Follow updates (RSS, Atom)
- Provide feedback (Rate & Comment)
- Contact application developers

The screenshot shows the EGI Applications Database homepage. At the top, there's a banner with the EGI logo and the text 'Applications Database' and 'Software for research communities'. Below the banner, there's a navigation bar with 'Software' and 'People' tabs. The main content area is titled 'Welcome to the EGI Applications Database' and includes a brief description of the AppDB as a central service. It lists key features: software solutions for scientists and developers, tools for programmers and scientists, and publications derived from registered solutions. A 'Need access' button is visible. Below this, there's a 'Top rated' section featuring five items: SCMS-EMI (Science Gateways), WatG Browser (Tools), ASTRA-ANCIENT (Applications), InSilicoLab (Science Gateways), and AutoDock Gateway (Science Gateways). Each item has a star rating of 5.0. A 'Newest / Recently updated' section follows, showing Apache Airavata (Science Gateways), MUSCLE 2 (Tools), and GSISSH-Term (Tools). The 'Announcements' section on the right lists updates from 2013-07-16 (New version 4.4.0 released) and 2013-04-22 (New version 4.2.0 released), detailing features like faceted search and release management. A final announcement from 2013-02-04 (New version 4.0.0 released) is also visible.

- **NGI:** the country's single point of contact for government, research communities and resource centres as regards ICT services for e-science.

- Has named contact for:
 - International liaison (for EGI.eu)
 - Support (User)
 - Operation (Infrastructure)



mobile share 

ESI European Grid Infrastructure *towards a sustainable infrastructure*

COMMUNITY • INFRASTRUCTURE • SERVICES • HOW DO I...? • CASE STUDIES • NEWS & MEDIA • ABOUT

HOME > ABOUT > NATIONAL GRID INITIATIVES

National Grid Initiatives

The National Grid Initiatives (NGIs) are organisations set up by individual countries to manage the computing resources they provide to the European Grid Infrastructure (EGI). They represent the country's single point of contact for government, research communities and resource centres as regards ICT services for e-science. NGIs are the EGI main stakeholders, together with CERN and EMBL.

Typically, NGI have three points of contact:

- [NGI International Liaison](#)
- [Support](#)
- [Operations](#)

National Grid Initiatives

Code	Country	NGI
BE	Belgium	BEgrid - The Belgian Grid for Research
BG	Bulgaria	Bulgarian Grid Infrastructure
HR	Croatia	CRO NGI - Croatian National Grid Infrastructure
CY	Cyprus	Cyprus Grid Initiative
CZ	Czech Republic	MetaCentrum

- EGI is a multi-disciplinary e-infrastructure
 - Federated, with resources and support provided by the National Grid Infrastructures
 - Established grid services, emerging cloud platform
 - Software tools and applications through the EGI Applications Database