

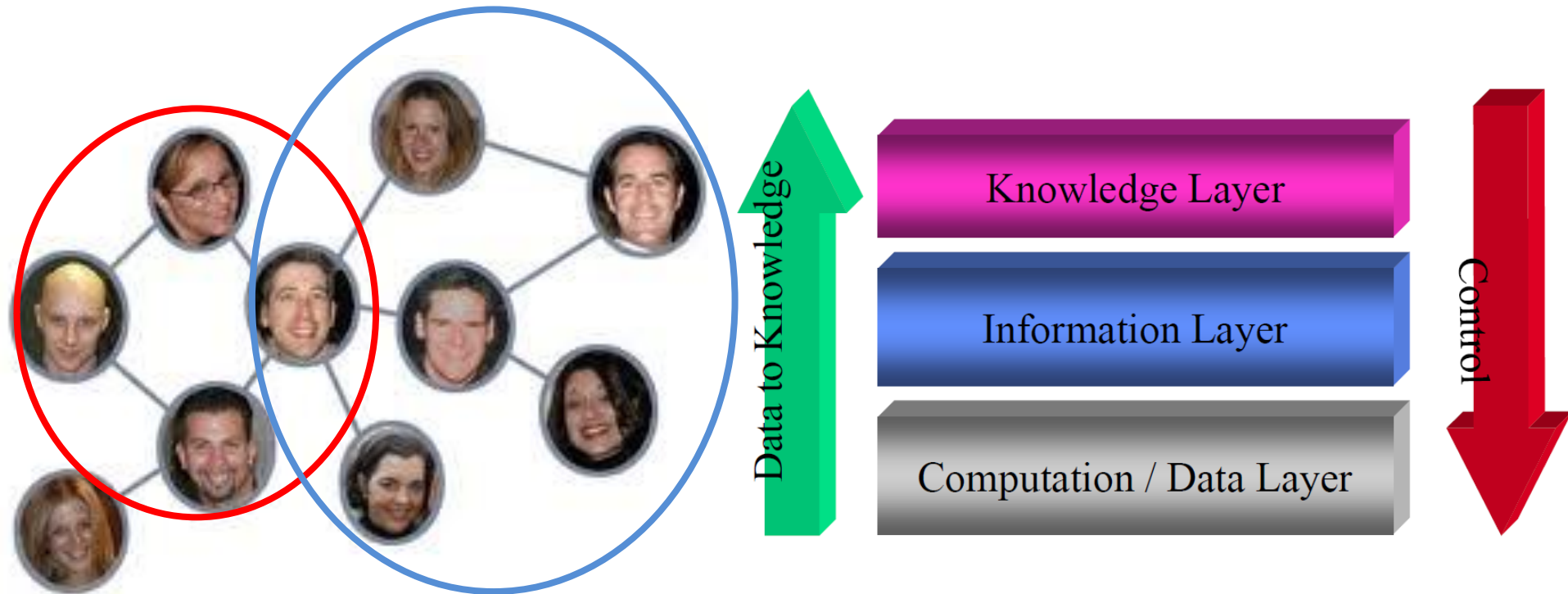
Digital Agenda for Research

Steven Newhouse
Director, EGI.eu

- The Data Deluge will impact **our** lives
 - It has gone beyond High Energy Physics
 - ...and it will go beyond the ESFRI projects
- Across medicine
 - Your Genome
 - \$3B & 10 years → \$5,000 & 24hrs
 - Your Records: Scans, Xrays, etc.
 - Your Life: Mobile medical monitors
- Across society
 - TV, radio, documents, videos, etc.
 - Analysis and understanding

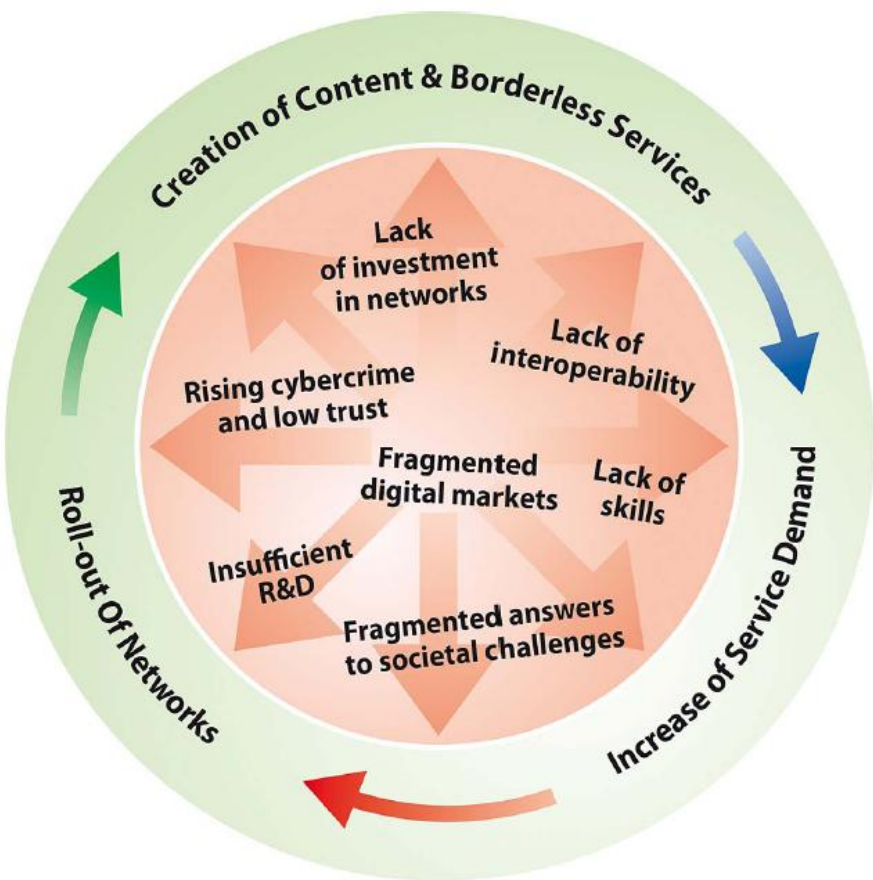


- Driven by international collaborations
- Data driven sharing at & analysis at scale

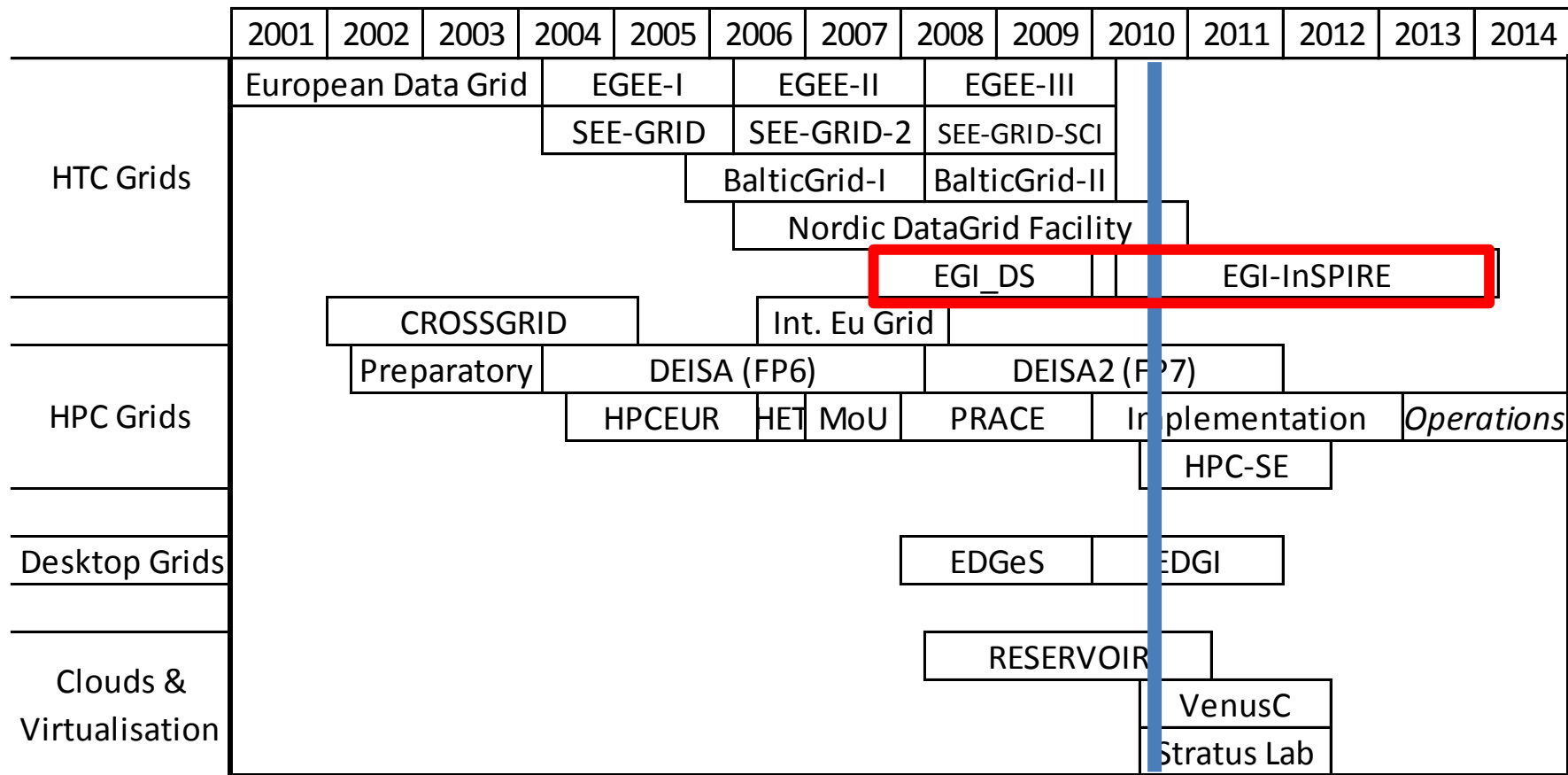


- Borderless Services
- Interoperability
- Supporting Innovation

remove barriers to the free movement of knowledge

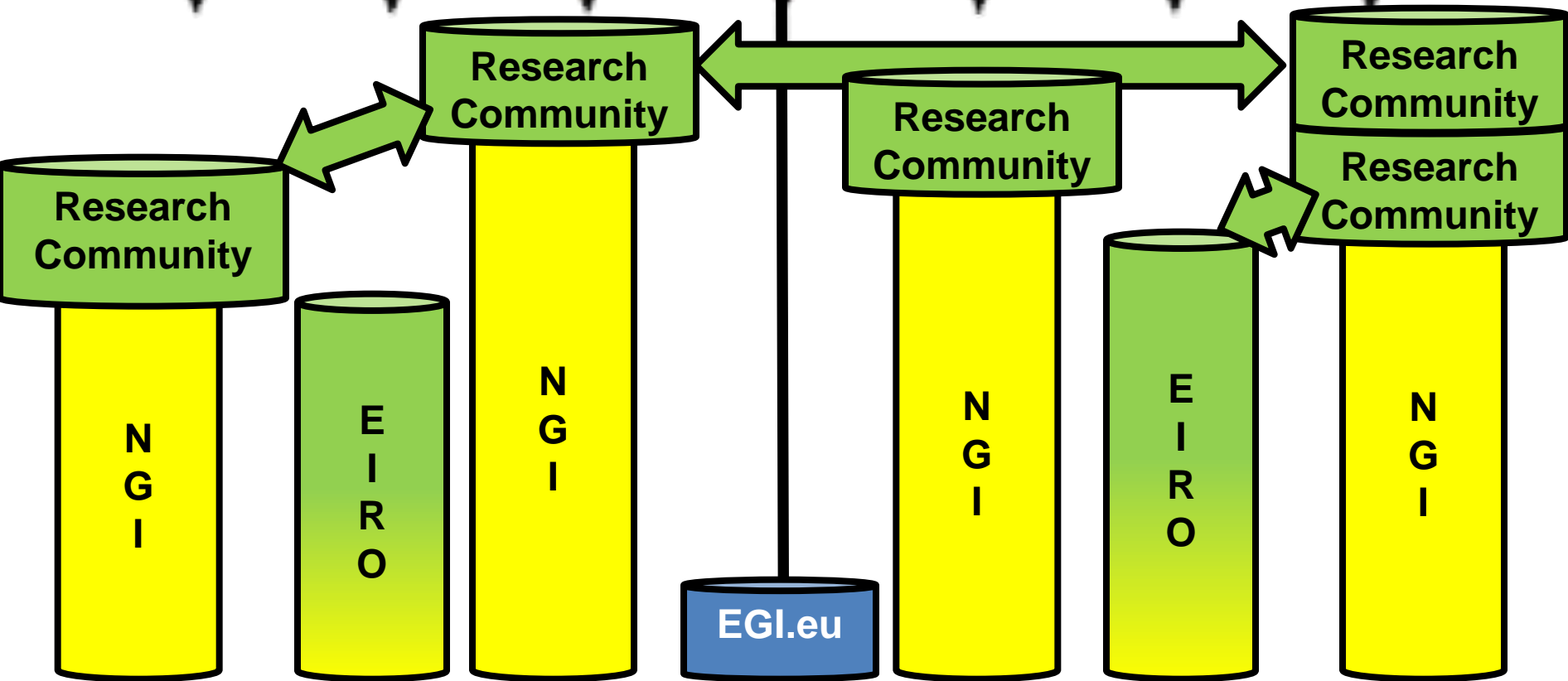


Digital Agenda for Europe



EGI

Collaboration

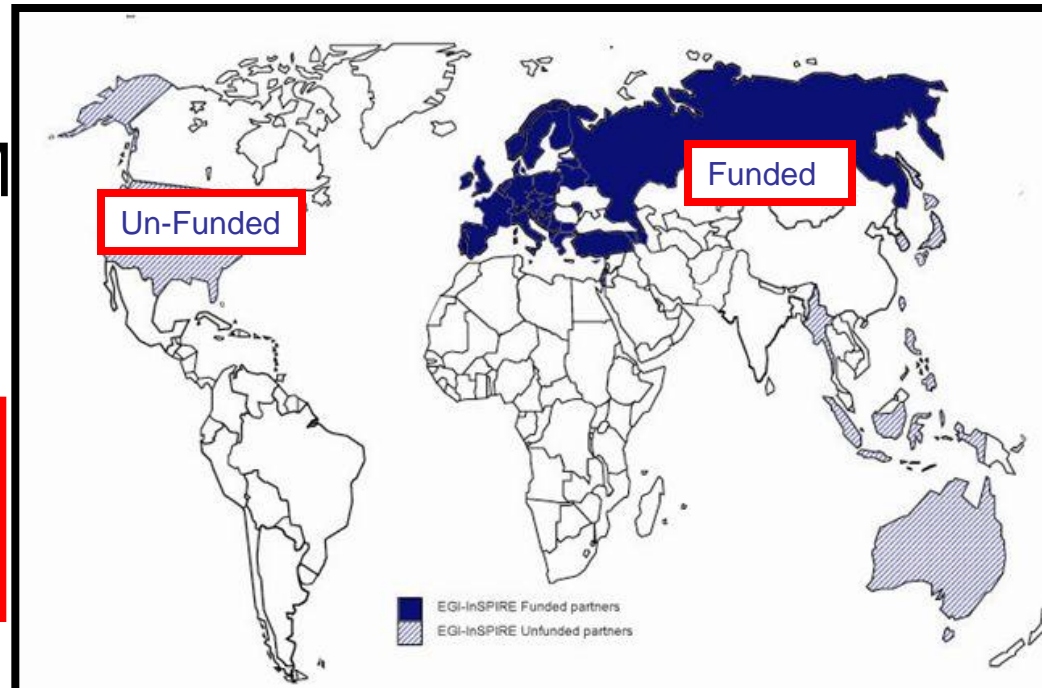


Integrated Sustainable Pan-European Infrastructure for Researchers in Europe

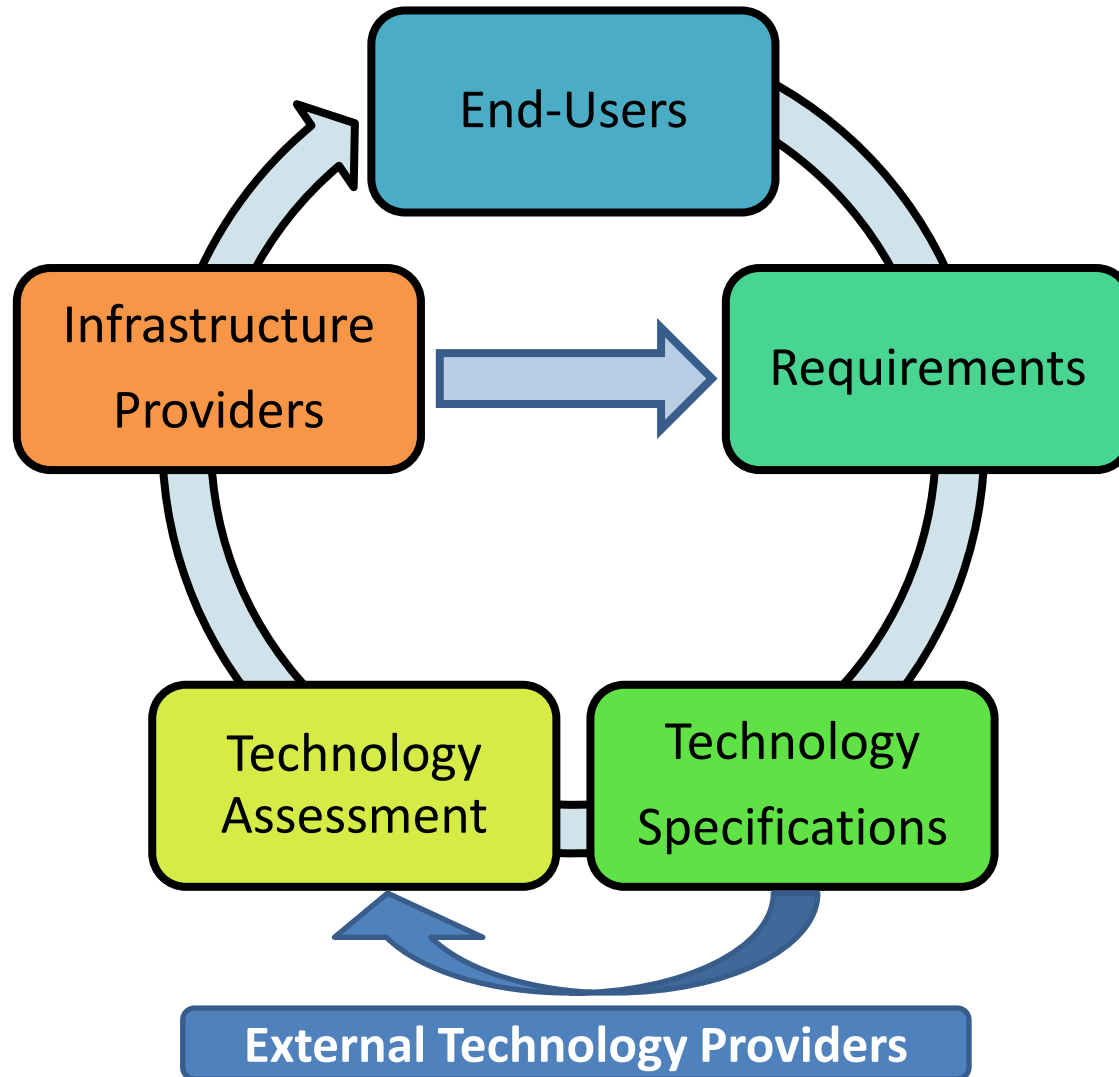
- A 4 year project with €25M EC contribution
 - Project cost €72M
 - Total Effort ~€330M
 - Effort: 9261PMs

Project Partners (50)

- EGI.eu, 39 NGIs, 2 EIROs
- Asia Pacific (8 partners)



A Virtuous Service Cycle



- **Deploy Technology Innovation**
 - Distributed Computing continues to evolve
 - To include: Grids, Desktops, Virtualisation, Clouds, ...
- **Enable Software Innovation**
 - Provide reliable persistent technology platform
 - Tools built on gLite/UNICORE/ARC/Globus
- **Support Research Innovation**
 - Infrastructure for data driven research
 - Support for international research (e.g. ESFRI)

Status April 2010 (yearly increase)

- 10000 users: +5%
- 243020 LCPUs (cores): +75%
- 40PB disk: +60%
- 61PB tape: +56%
- 15 million jobs/month: +10%
- 317 sites: +18%
- 52 countries: +8%
- 175 VOs: +8%
- 29 active VOs: +32%

Imperial College
London

GridPP
UK Computing for Particle Physics



10:14:26 UTC (3 minutes ago)

Questions?

EGI User Forum 2011

11-15 April
Vilnius, Lithuania



Hosts: NGI LitGrid, presented by
Vilnius University and Baltic Amadeus
infrastruktūros paslaugos (BAIP)

Organisers: AIM Group Baltic UAB

- Call for participation
 - <http://uf2011.egi.eu>
- Contact:
 - Steven Newhouse
 - director@egi.eu