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The European eInfrastructures Observatory

www.e-observatory.eu

Workshop: “RIs in the new European Landscape”

Vienna, 04.12.2012

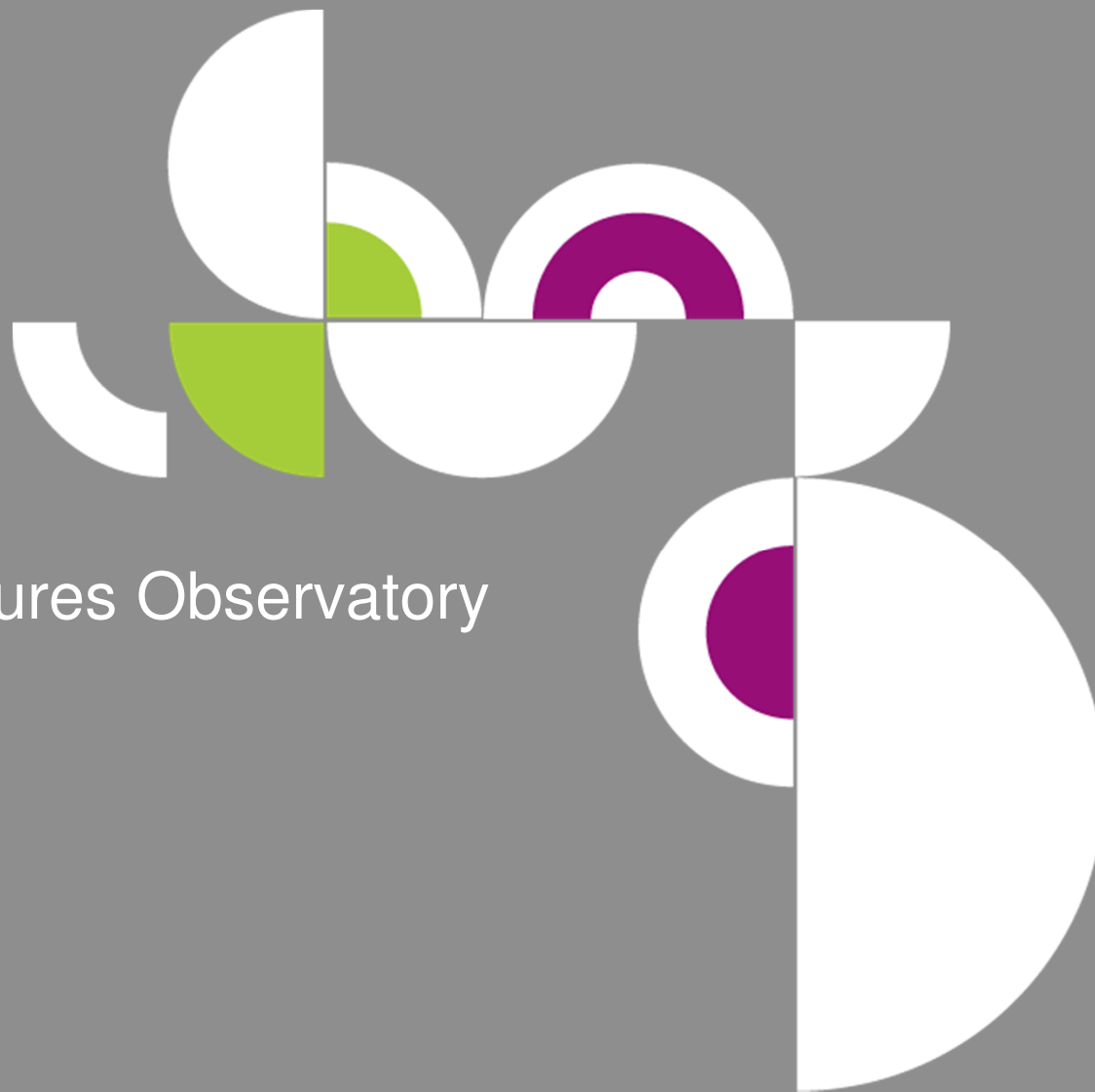
Nektaria Berikou





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European **e**·Infrastructures Observatory
the need

- EU policy and financial support to e·Infrastructures at the global forefront
- Designing and implementing improved policies and strategies requires better knowledge of the status of e·Infrastructures development at global, regional and country level
- The need has been restated multiple times in various occasions:
 - 06.2009, Proceedings of ESFRI Workshop, Role of Research Infrastructures for a Competitive Knowledge Economy,
 - 09.2009, Study commissioned by DG Research and DG INFSO, Evaluation of pertinence and impact of Community Support for Research Infrastructures in the 6FP
 - 2010, Council of the European Union
 - 11.2010, eConcertation meeting, Session on Socio-Economic Evaluation of e·Infrastructures
 - 02.2012, Workshop on development of impact measures for e·Infrastructures



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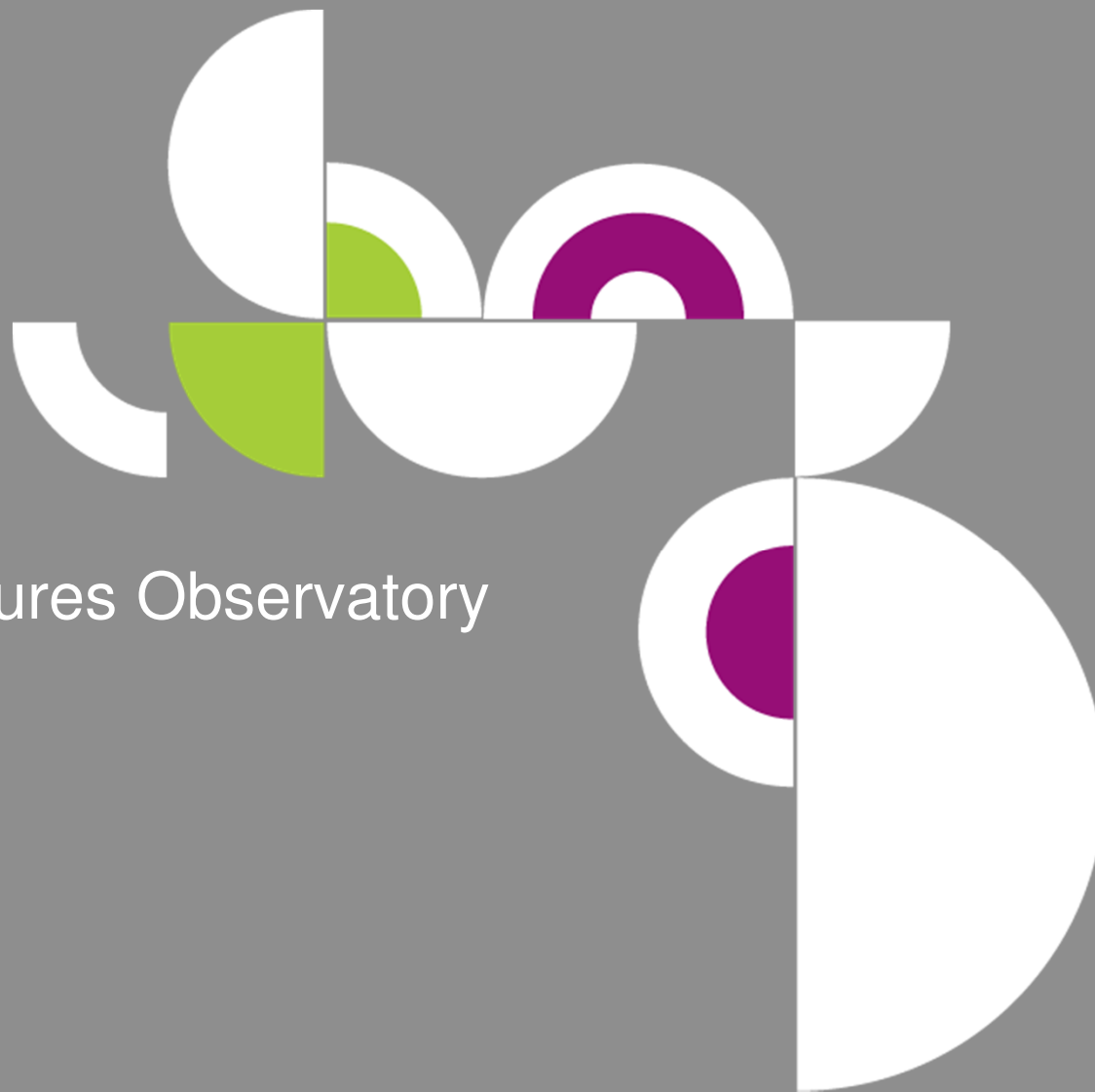
Initiatives

- Development and maintenance of international databases and repositories for e•Infrastructures-related components
 - GEANT/TERENA compendium
 - e-IRG knowledge base
 - CEENGINE knowledge base
 - EuroRIs-Net+ knowledge repository
 - EGI.eu databases
 - TOP500 supercomputers, etc
- Carrying out of surveys and assessments
 - RI-IMPACT study
 - ERINA+ assessment
 - e-FISCAL study, etc
- and other initiatives
 - GEANT perfSONAR
 - EGI.eu monitoring and accounting portal, etc



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European e·Infrastructures Observatory

the project



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e·nventory vision

- Establish a **European e·Infrastructures Observatory**
 - an online, single-entry-point platform
 - geographically addressing Europe
 - with an extensive set of benchmarking indicators
 - offering interactive, user-driven visualisation tools
 - facilitate multidimensional and polymorphic monitoring and analysis
 - support fact-based policy and learning, and
 - disseminate achievements of e·Infrastructures in Europe and beyond



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Current status

- Offers **7** **intuitive, interactive and user-friendly visualisation tools** based on best practices in visualisation and representation techniques
- Features a core set of more than **45** **benchmarking indicators** that are the baseline for **monitoring e·**Infrastructures development progress, usage, impact and investments
- Provides access to more than **10.000** individual figures and other related data and benchmarks
- Consolidates more than **24 months** of **stakeholders' feedback and consensus** on the structure and functionality of a world-class **e·Infrastructures Observatory**



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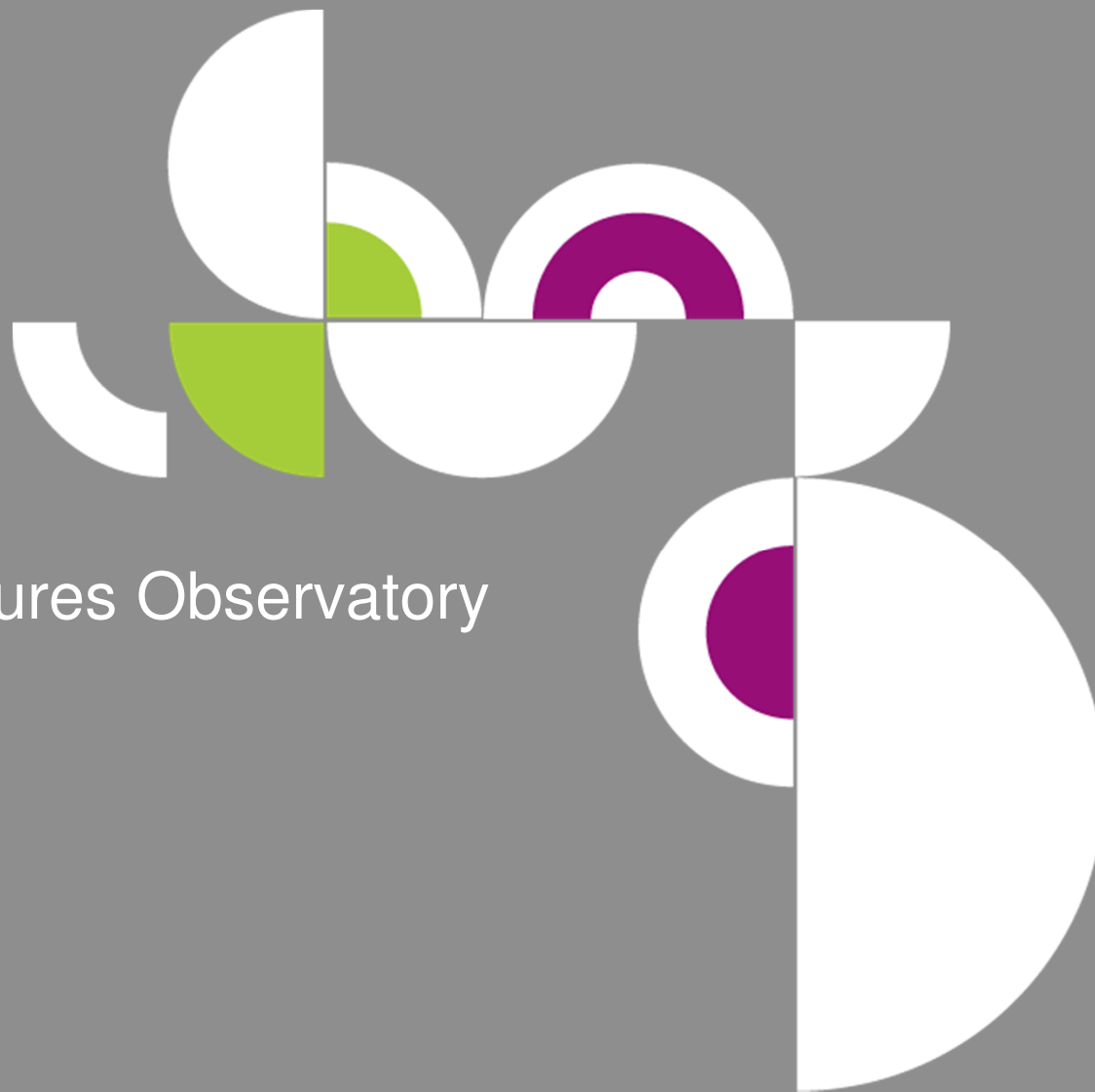
Feedback and consensus

- Advisory Board
 - *Prof. Vassilis Maglaris , Dr. Karel Vietsch, Dr. Aleksandar Belic, Prof. Heinz Gerd-Hegering , Dr. Robert Jones, Dr. Thibaut Lery, Dr. Norman Wiseman, Dr. John Martin, Dr. Robin Arak*
- Key European e•Infrastructure projects and policy bodies
 - *GN3/GEANT, DANTE, TERENA, EGI-Inspire, EGI.eu, PRACE, e-IRG, etc*
 - A targeted dissemination activity took place in November 2011, through a campaign that addressed more than 160 global champions in the field of e•Infrastructures
- Fellow projects and initiatives such as
 - *ERINA+, EuroRis-Net, RI-IMPACT, MERIL, etc*



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European **e·**Infrastructures Observatory
the online demo



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The observatory is public

www.e-observatory.eu

The screenshot shows the e-nventory Home Page in a Firefox browser window. The page features the e-nventory logo and name at the top left. Below it is a 'Welcome' section with a paragraph of text. To the right of the welcome text is a large circular diagram with eight nodes: 'Chronology', 'Pan-European Networks', 'Stakeholders Mapping', 'Trends', 'Treemaps', 'Indicators on Maps', 'Build Your Own Index', and 'Project Information'. The 'Project Information' and 'User Guide' links are located at the bottom left of the page. The footer contains copyright information and a list of links: 'Contact | User Guide | Indicators | Glossary | Terms of Use | Acknowledgments'.

Firefox

e-nventory Home Page

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Welcome

Welcome to the European e-Infrastructures Observatory, an on-line platform, offering several interactive and user-driven visualisation tools and an extensive set of benchmarking indicators to facilitate multidimensional and polymorphic monitoring/analysis, support fact-based policy/learning and disseminate achievements of electronic and digital infrastructures in Europe. Enjoy!

Project Information

User Guide

Chronology

Pan-European Networks

Stakeholders Mapping

Indicators on Maps

Trends

Treemaps

Build Your Own Index

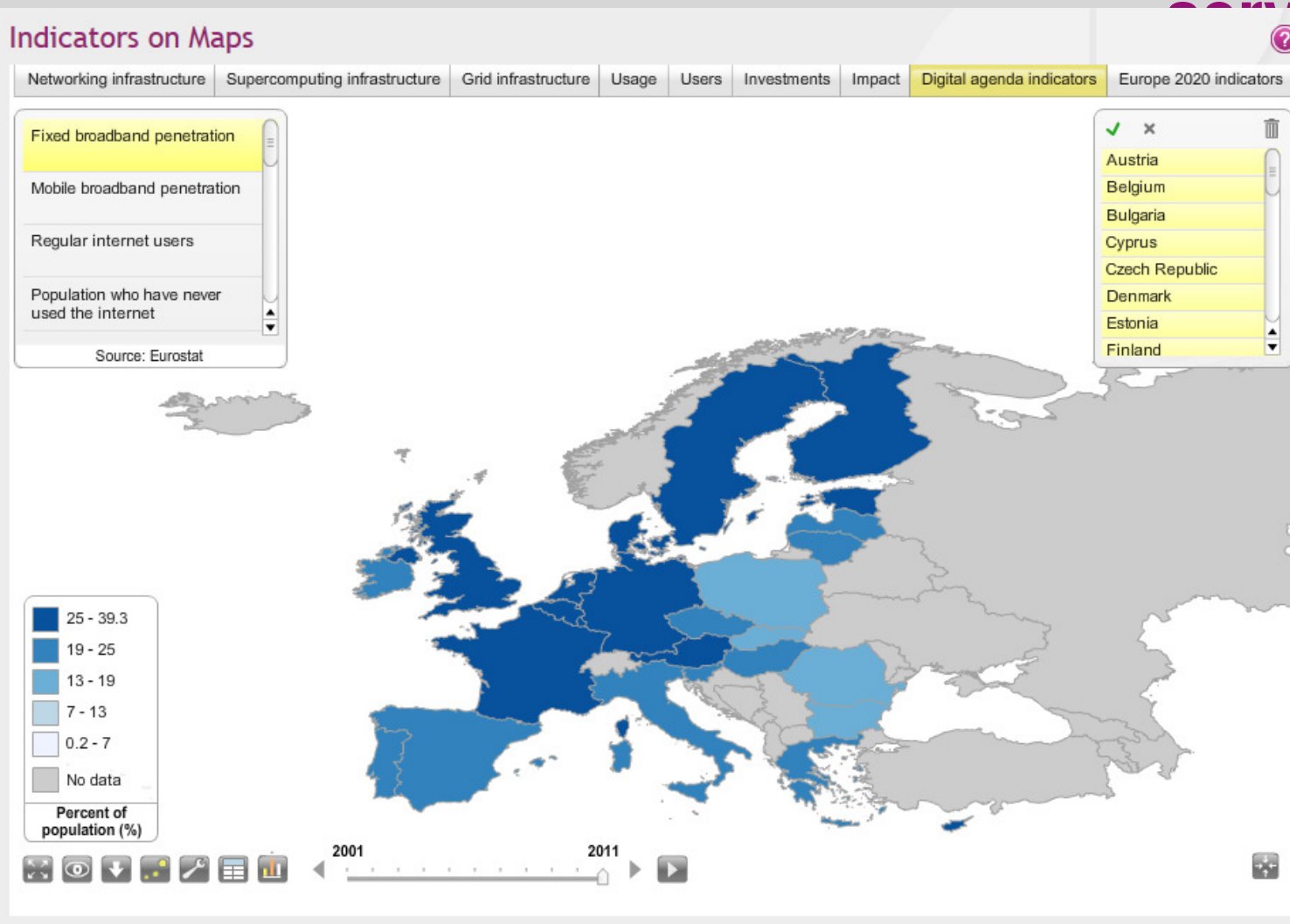
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[Contact](#) | [User Guide](#) | [Indicators](#) | [Glossary](#) | [Terms of Use](#) | [Acknowledgments](#)



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The *Indicators on Maps* service





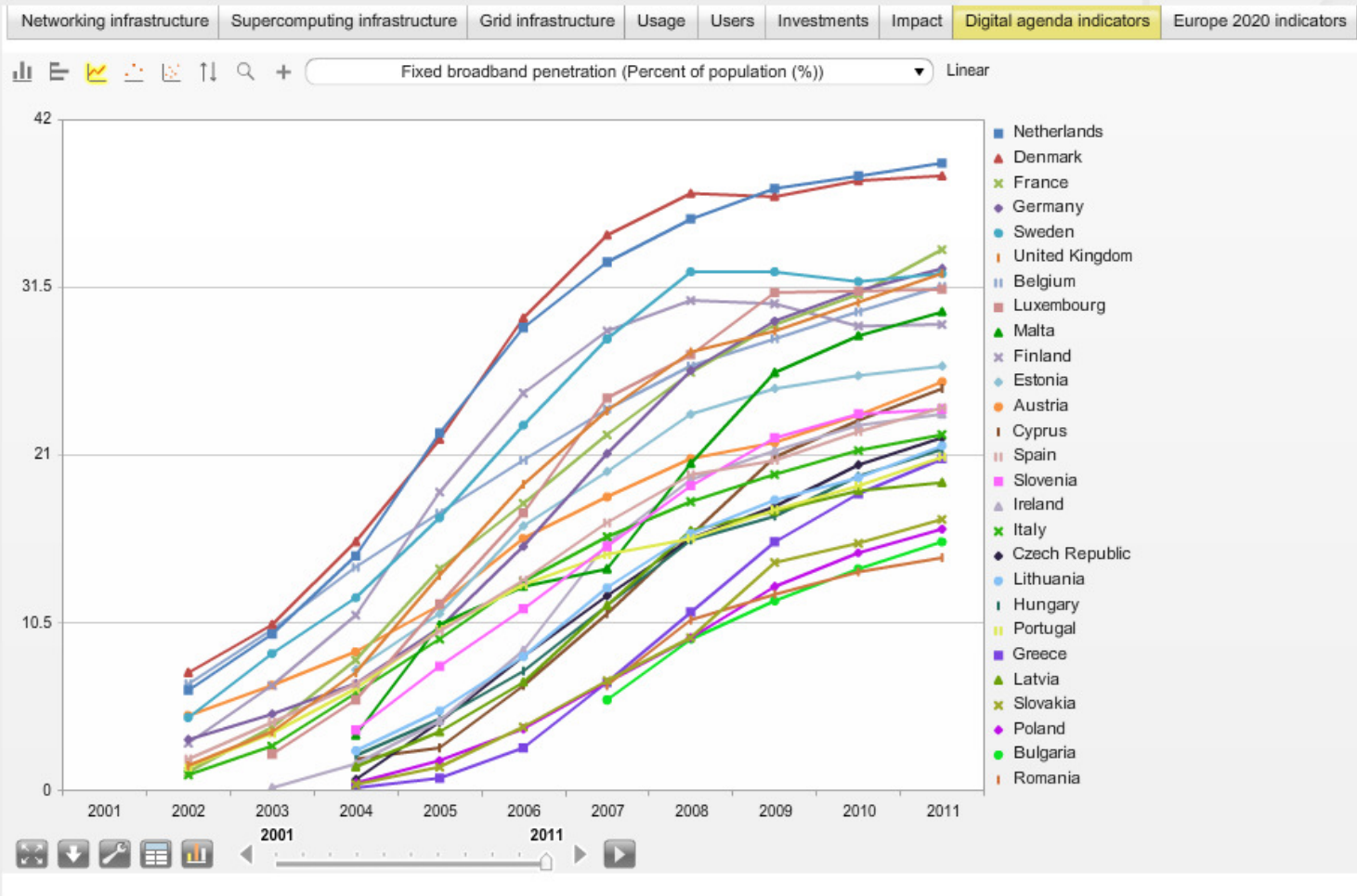
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The *Trends* service

Trends





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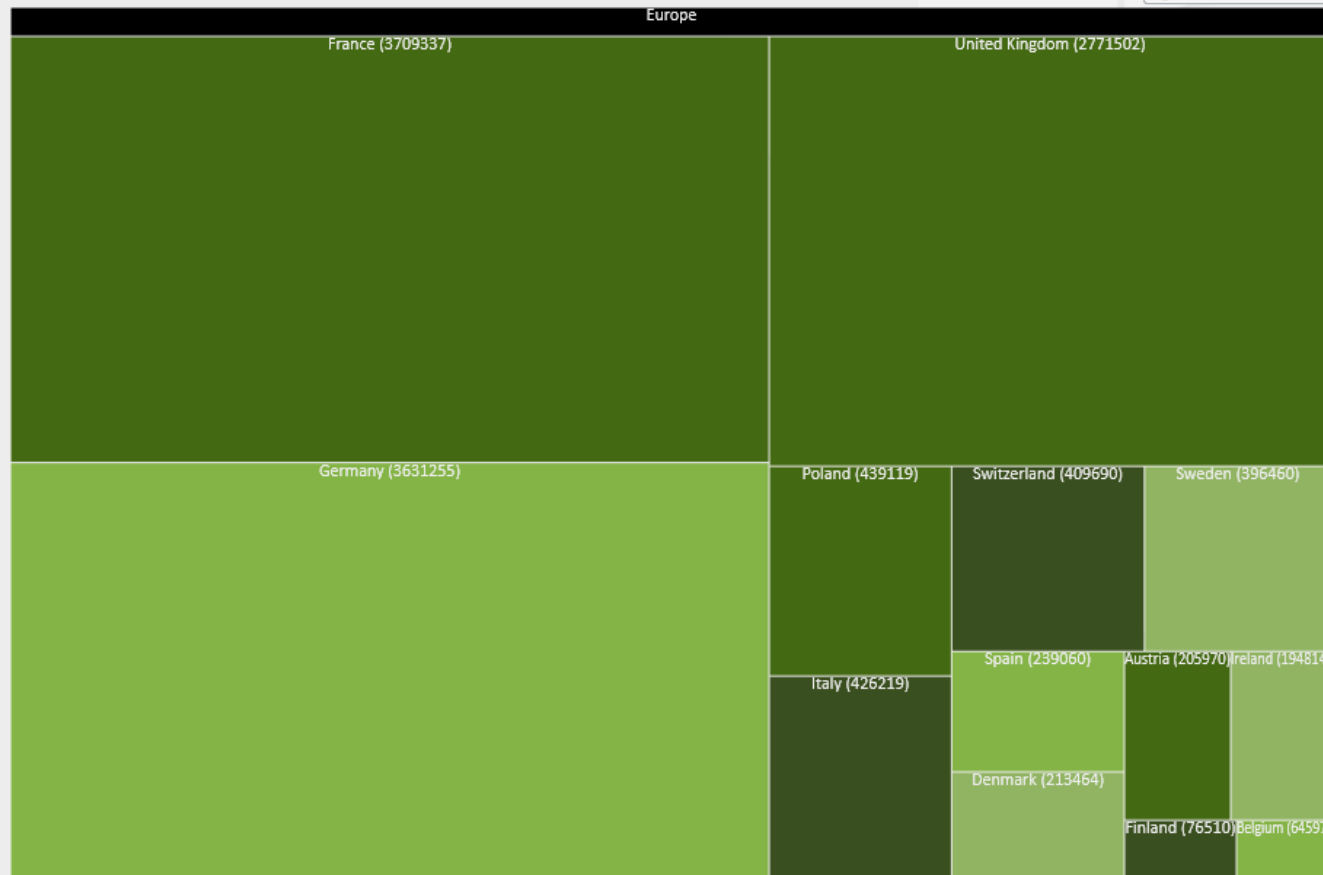
The *Treemaps* service

Treemaps

Select Indicator: Year:

Click on an area to view details, right-click on an area or press the button to go back one level.

[go back one level](#)





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The Stakeholders Mapping service

Stakeholders Mapping

Type

- ☒ National Research & Education Networks
- ☒ National Grid Initiatives
- ☒ Supercomputer Centers
- ☒ Pan-European Coordinating Organisations

Regions/Country Groupings

All countries

Country [select all | none]

All 43 countries selected

Update Map





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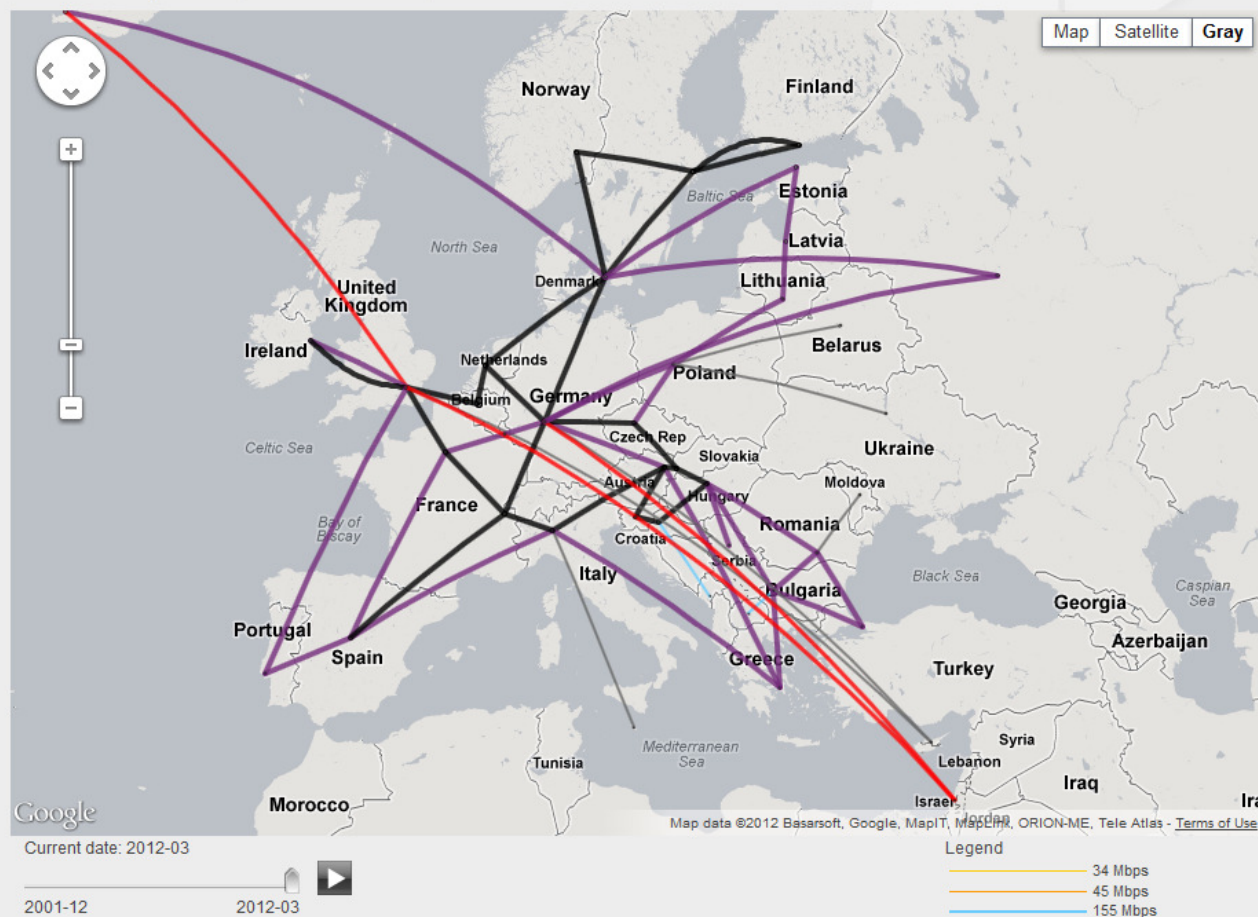
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The *Pan-European Networks* Mapping service

Pan-European Networks

Select Community/Network: **GEANT Network**



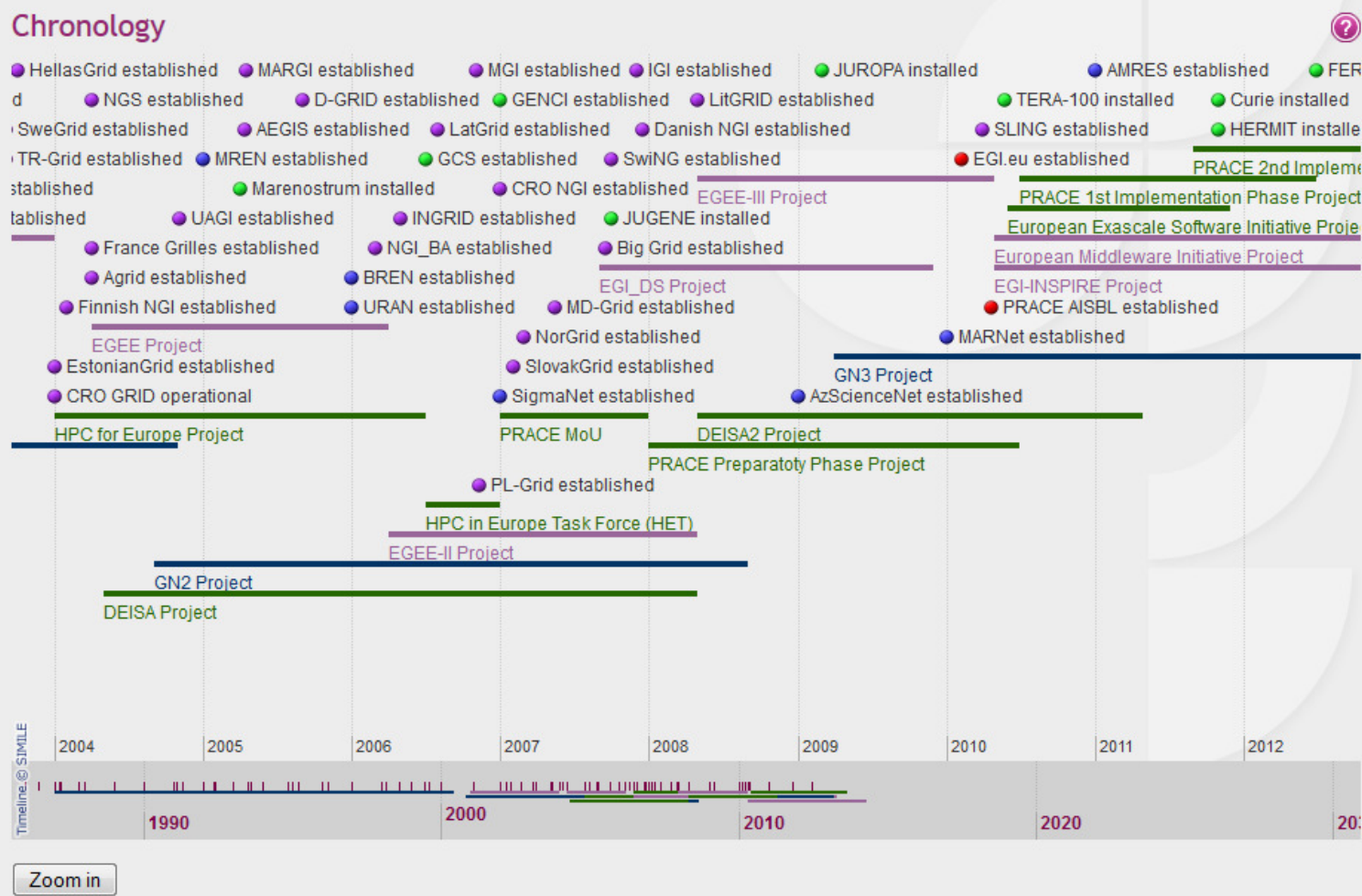


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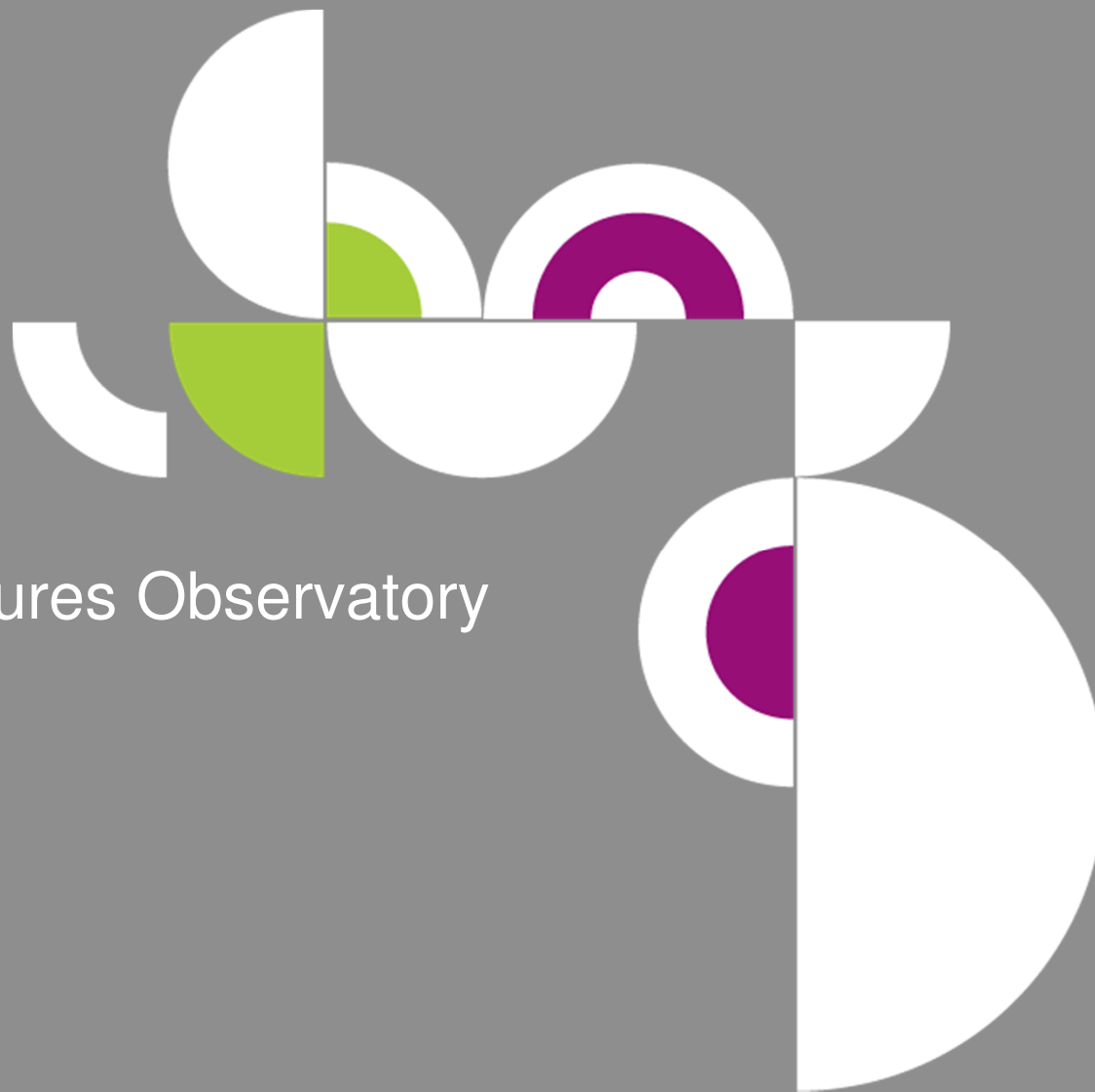
The *Chronology* service





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the future

The challenges

- A **periodic, project-based assessment** that can be aggregated at overall EU Programme level.
- A holistic approach for consistently applying **data validation/curation** in order to ensure that the collected data accurately represent the e·Infrastructures status quo.
- A set of data points that would enable to cover **regions beyond EU** with the same monitoring framework thus allowing for cross-comparisons of EU e·Infrastructures to international ones.
- A set of indicators and benchmarks to monitor **emerging e·Infrastructures** such as data infrastructures, cloud, as well as other areas of interest.
- A universal framework for monitoring e·Infrastructures impacts and trends at EU/MS (and beyond) level and revealing interrelations to **macroscopic socio-economic indicators** by utilising “factual”, unbiased metrics and data without subjective interpretations.
- A **collaboration framework** that would be able to accommodate the views of owners, users, and sponsors of e·Infrastructures at both EU and National level.



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Call you to

- Use the **European e·Infrastructures Observatory** and provide feedback
 - www.e-observatory.eu



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Thank you for your attention!

The European **e·**Infrastructures Observatory has been developed by the **e·nventory** project, co-financed by EU's 7th Framework programme for R&D under Grant Agreement no RI-261554.

The **e·nventory** project acknowledges the invaluable support and contribution of its Advisory Board and the following European flagship **e·**Infrastructures initiatives and coordinating organisations: GEANT, DANTE, TERENA, EGI.eu, PRACE

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