

EGI engagement with SMEs

Sergio Andreozzi

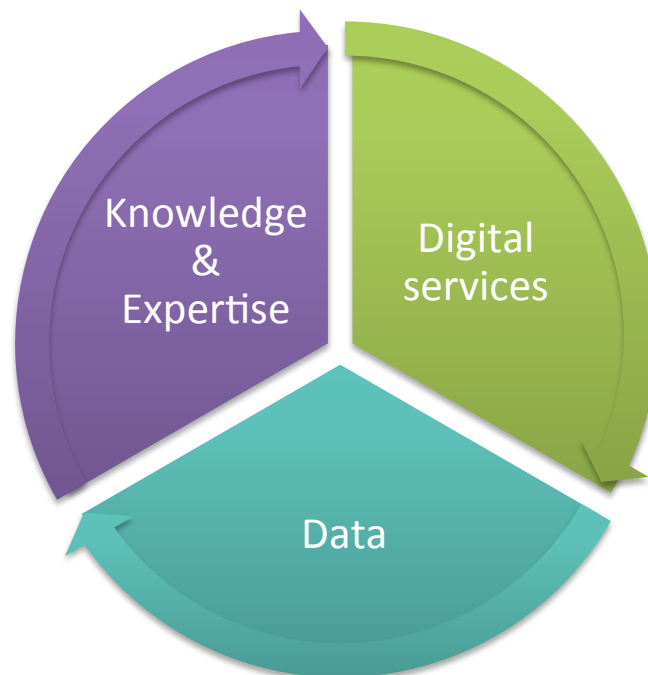
Strategy & Policy Manager, EGI.eu

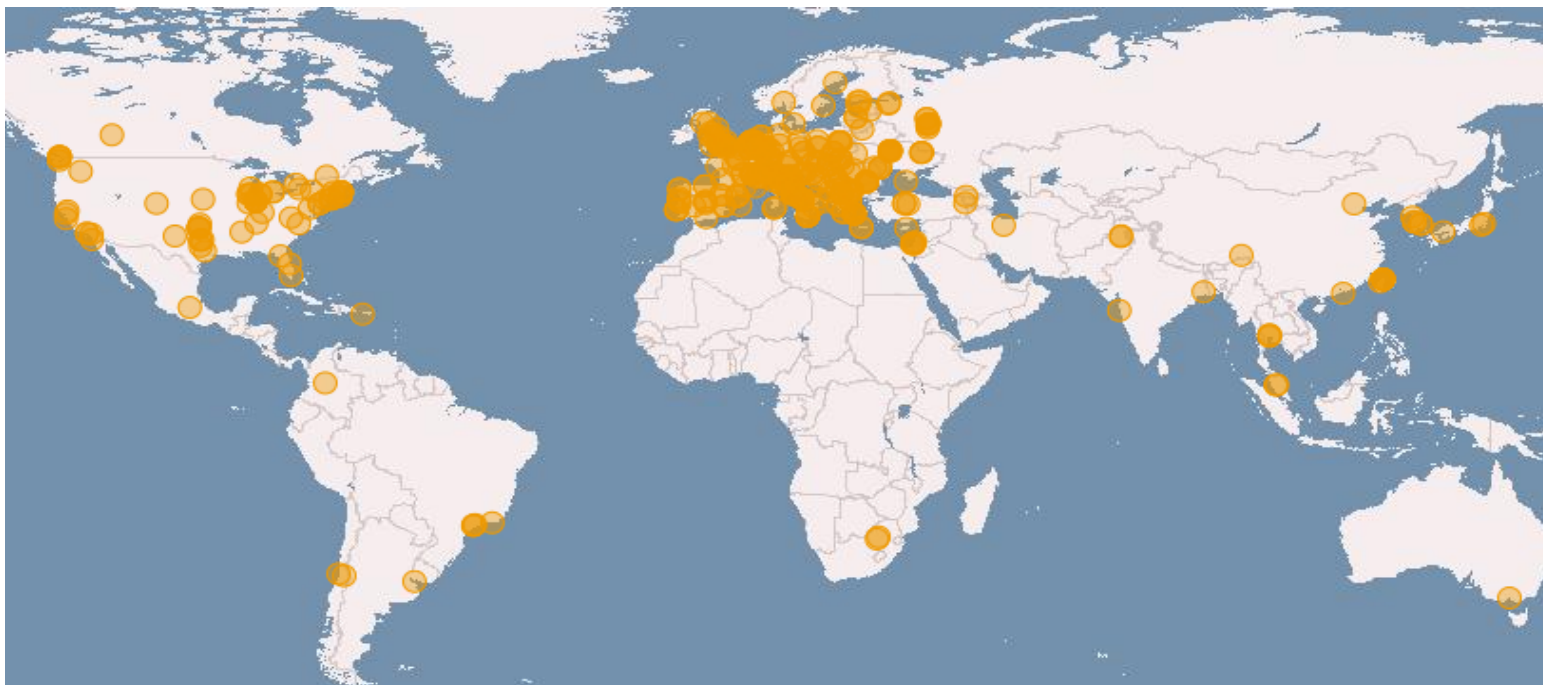
sergio.andreozzi@egi.eu

European Research e-Infrastructures and Innovation Clusters
EC workshop, Brussels, 03 October 2015



*Researchers from **all disciplines** have easy and open access to the innovative **digital services**, **data**, **knowledge and expertise** they need for performing **collaborative excellent research***





- Distributed and federated data and computing facilities
- Grid and Cloud compute platform
- 340 data centres in 34 National Grid Initiatives/EIROs
- Partnerships with non-EU infrastructures
- > 200 International Research Communities
- Research data sets with exploitation potential
- Domains-specific Software & Tools

- Access to secure large-scale computing services
 - Grid, Cloud IaaS, heterogeneous resources
 - PaaS for big data management and analysis
- Exploitation of open research data sets
 - Research projects generate valuable data with exploitation potential
- Re-use of domain-specific software and tools
 - Innovative algorithms, applications, tools
- Knowledge & Expertise
 - Support in accelerating innovation
- Local presence with European coordination
 - Many national partners can engage SMEs locally
 - EGI.eu can act as EU coordination

- Developing a business engagement program
 - Target groups, service offering, rules of engagements, value streams
- Expanding EGI business models
 - From resource sharing to service orientation
 - Pay-for-use option
 - On-demand allocation
- Lowering barriers
 - Exploring alternative authentication systems that do not require affiliation with academic/research institutions
 - Developing a platform for open/big data management that smoothly integrate with processing capability
- Knowledge transfer and business development
 - Planned market analysis and business modeling for transferring knowledge or delivering services from/to SMEs

- Better EU-level coordination to reach SMEs “locally” would help improving effectiveness
- Boundary between use for innovation and for commercial purpose can be blurred
- Current policies of use for research and education networks may inhibit uptake
- A comprehensive marketplace of services, software, tools and data would help communicating and engaging

- Integrated centre of excellences including HTC, HPC, Cloud, Data and Software that support knowledge transfer
 - Open calls to select projects
- Integrated actions for SMEs, e-Infrastructure providers, data providers as innovation spaces for the big data value
 - Development of new applications that deal with large data sets and require infrastructures not available nationally
 - Transnational access for recovery of operational costs
 - Cost of Data stewardship
- Fund the creation of a common marketplace for e-Infrastructure services
- Community events such as datathons or “startup weekends” can help selecting the best ideas and teams, and also increasing visibility of e-Infrastructure services
- Support action for coordination of SME engagement at EU-level that includes all key e-Infrastructures