e-Infrastructure Commons

Tiziana Ferrari/EGI.eu

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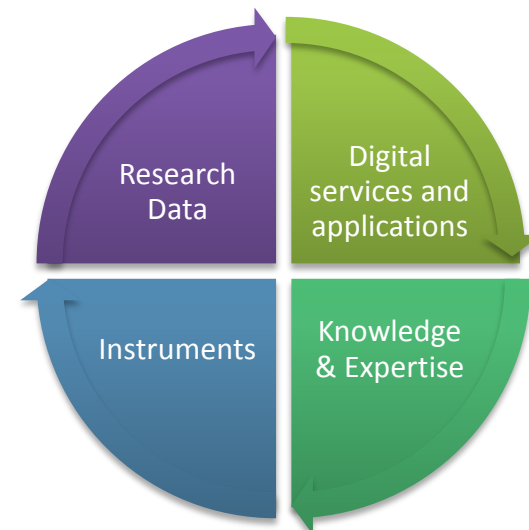- The e-Infrastructure Commons are a necessary component of the **OpenScience Commons**

  - Not only "ICT services" but also policies and rules, e.g. for access and funding

  - Complemented by Data as a Service, instrumentation, knowledge

Status of e-IRG Recommendations

- "Outreach to and involvement of user communities"
  - ☺ Progress in 2015
- "Services registry, discovery and provisioning"
  - ☺ Planned for 2016
- "Financial, legal, business development and procurement issues" ☹
  - Lack of policy for e-Infrastructure Commons at a national level in many countries. The e-Infrastructure Commons need strong national pillars
  - Lack of national investments: how will ICT services be funded, procured and sustained? The priority of national e-Infrastructures needs to be raised. The national funding coordination in place for network infrastructures needs to be extended to other ICT services
  - What are the service access mechanisms at a European level? European research projects could receive service grants to be spent on the e-Infrastructure Commons

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Bridge data preservation infrastructures and computing

From "computing with storage" to a network of service hubs, offering storage, computing, software, thematic tools, geo-replication of relevant research data

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Open Science platforms: sharing of open tools, applications, scientific software, research data

A marketplace where community platforms can be discovered, offered, supported and accessed through grants

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From "services" to "solutions" involving multiple providers (e-Infras, RIs, research communities, data providers…)

Co-design, harmonized access policies, federated service management processes, support, training, service discoverability

The Open Science Cloud

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RIs and Research communities service providers

e-Infrastructures

Open Science services

Thematic services

Data replication and agreements

High speed network connectivity

Storage and data

Data Management,
Cloud compute
Cloud container compute
HTC and HPC

Research Data providers