

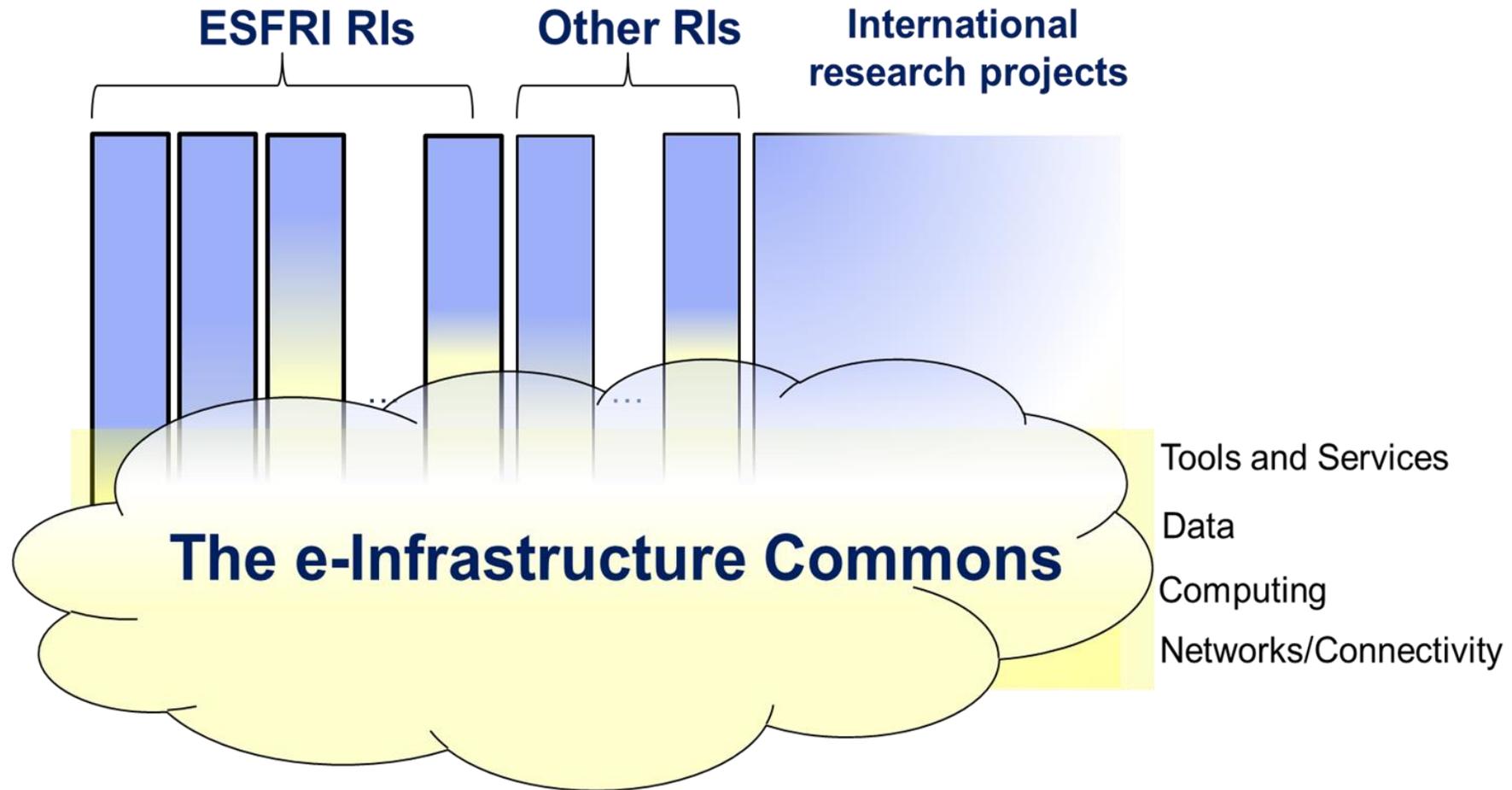
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Business models, Sustainability, KPIs, Rules of participation

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e-Infrastructure Commons → EOSC



The e-Infrastructure Commons

Three core functions (e-IRG White Paper 2016):

1. **Community building, high level strategy and coordination:** a coherent governance model with a central role for user communities
2. **Service provisioning:** a flexible, open, and competitive approach to national, European, and global service provision; with advanced collaboration among the interested public and commercial service providers.
3. **Innovation:** Implementation of major innovation projects through the best consortia including e-Infrastructure suppliers, industry, users and academia.

e-IRG report on national coordination

- Today **some** countries have a **single coordinating e-Infra service entity**
 - data infrastructures are usually separate from computing and networking ones; sometimes even **competing** entities
- **Many** countries show good level of coordination
- **A number of** countries have **on-going processes aiming at coordination** of e-Infras and domain RIs
- **Some** countries describe interesting mechanisms to **channel funding streams to horizontal e-infrastructures**, with involvement of research communities and/or domain RIs

SE example: National call for RI support

When planning and budgeting, please note the following:

- *The e-infrastructures Sunet, SNIC and SND do not provide free-of-charge services to other research infrastructures.*
- *The e-infrastructure needs of researchers analysing data produced at the infrastructure shall not be included in this application.*
- *The Swedish Research Council does not fund long-term data storage that is assessed as falling within the archiving responsibility of the HEIs.*
- *The Swedish Research Council recommends that services relating to networks and large-scale computer resources for calculating and storage shall be provided by one of the national infrastructures Sunet, SNIC and/or SND. Applicants are responsible for producing a plan for their needs. Consultation with Sunet, SNIC and/or SND should then take place [...]*

Conclusion

From e-IRG response to Staff Working Document on implementation of the EOSC:

“For e-IRG the concept of the European Open Science Cloud is an instantiation of the e-Infrastructure Commons as proposed by e-IRG in our 2013 White Paper and 2016 Roadmap, also adding more clearly the aspects of Open Science. From the point of view of provisioning EOSC services, the **challenges will reside on the interface between discipline specific (vertical) and generic (horizontal) infrastructures.**

Horizontal infrastructures (e-infrastructures) have the potential of being efficient and effective, pooling hardware and software but more importantly people and expertise together instead of building disciplinary pillars. In the long run e-IRG believes that strong horizontal infrastructures will serve the ultimate goal of the EOSC, *offering professionals in science and technology a virtual environment with free at the point of use, open and seamless services for storage, management, analysis and re-use of research data, across borders and scientific disciplines.*”

- Good governance, funding mechanisms and coordination are mandatory for an efficient, effective and sustainable EOSC.
- Data may serve as the common currency between e-Infras & RIs.
- The national building blocks are key for its success.