



2nd ESFRI RIs - EOSC Workshp

6-7 October 2020

Resources and services/tools for thematic providers/users from a national perspective

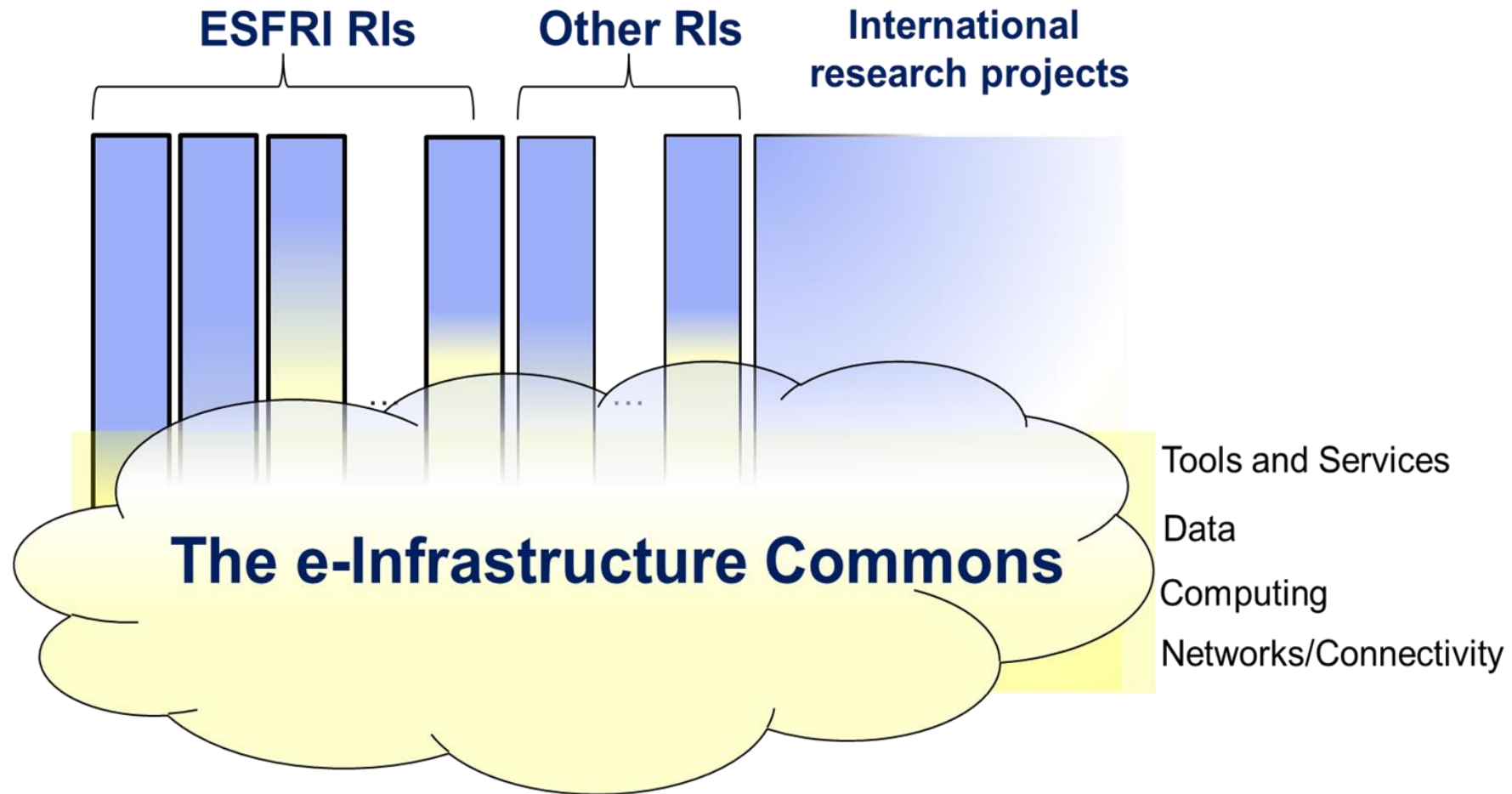
Sverker Holmgren

SE e-IRG Delegate, Expert in the SE ESFRI Delegation

e-IRG e-Infrastructure Commons

e-IRG White Paper 2013 (e-irg.eu/catalogue/eirg-1003)

→ EOSC



The e-IRG National Nodes Document (2019)

(e-irg.eu/catalogue/eirg-1006)

Two **recommendations** towards **national governments** and **funding agencies**. They should reinforce their efforts to:

- *embrace e-Infrastructure coordination **at the national level** and build strong national e-Infrastructure building blocks, enabling coherent and efficient participation in European efforts, especially in alignment with the FAIR principles concerning data and services;*
- *together analyze and evaluate their national e-Infrastructure funding and governance mechanisms, identify best practices, and provide input to the development of the European e-Infrastructure landscape.*

Side-track: Two other e-IRG publications

- **Summary of Policy Recommendations Drawn from the e-IRG Blue Paper on Data Management (2013)**
 - Result of a WG with joint ESFRI – e-IRG participation
 - e-irg.eu/documents/10920/238805/BP-summary-policy-130227.pdf
- **Guide to e-Infrastructure requirements for European Research Infrastructures (2017)**
 - <http://e-irg.eu/catalogue/eirg-1004>

Competitive Council (28/29 May 2018)

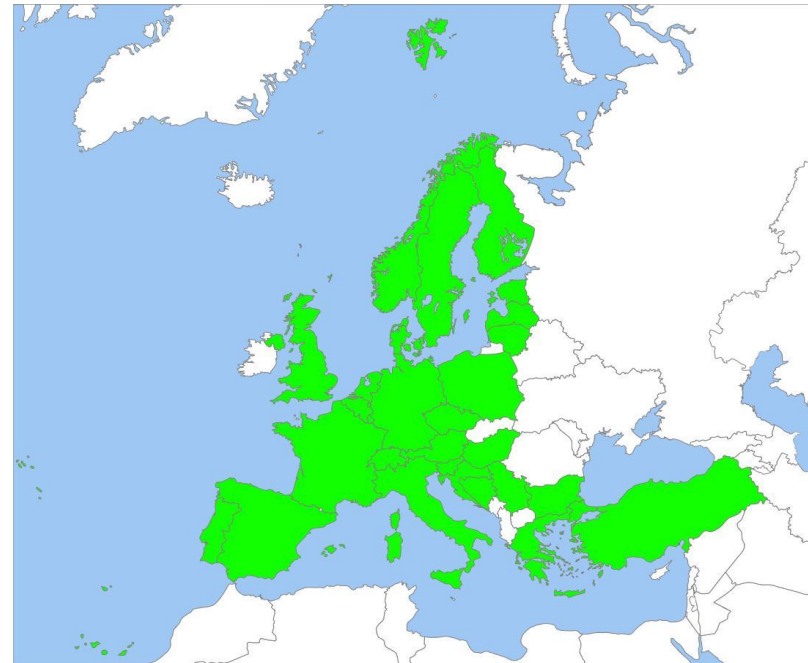
“AGREES that the EOSC model should be based on a pan-European **federation** of data infrastructures in order to be flexible and adaptable to changing needs of the stakeholders;

with regard to enabling this federation of national and European data infrastructures, **ENCOURAGES Member States** to invite their relevant communities, such as **e-infrastructures, research infrastructures**, Research Funding Organisations (RFO’s) and Research Performing Organisations (RPO’s), **to get organized** so as to prepare them for connection to the EOSC and

CALLS ON the Commission to make optimal use of ongoing projects, existing expertise and knowledge available via existing initiatives, such as **ESFRI, eIRG, GO FAIR** and others;”

National Nodes - Getting organised; how far are we? (2019)

In response to the CC
call for action



Based on analysis of the
responses by 28
countries on
questionnaire with three
sets of questions

e-irg.eu/catalogue/eirg-1006

Overall Conclusions in the NN document

- **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 some level of coordination – at least within networking and computing
- **A number of** countries have **on-going processes aiming at coordination** of e-Infras and their interfaces to 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

- Currently: Three e-Infra entities (SUNET - networking, SNIC – computing, SND – metadata catalogue and data access). SE participation in e.g. ELIXIR, ICOS, EISCAT3D, ESS. National infrastructures like MAX IV...
- e-Infrastructures and domain RIs are owned by university consortia (exception: networking). Funded jointly by the universities and the Swedish Research Council (SRC)
- **Established mechanism** to channel funding streams to horizontal e-infrastructures, with involvement of research communities and/or domain RIs

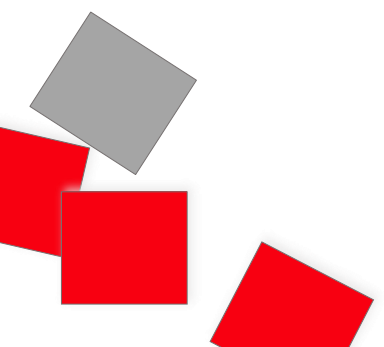
SE example: SRC call for funding of RIs

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 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 [...]*

SE example - ongoing

- **Joint proposal from universities and SRC:** Integration of the e-Infrastructures, potentially form a single organization
- **Several universities** are integrating their e-Infrastructure activities (local, national, international)
 - Focus on **research data (including FAIR and data sharing)**
 - **Includes connections** between (participation in) RIs and (participation in) e-Infras



Conclusion

- The national building blocks and engagement of Research Performing Organisations are key for the success of EOSC
- There is a danger of a disconnect of Local – National – European e-Infrastructures
- At least in countries with established e-Infras, the funding is at the national/local level
- Data is the common currency between e-Infras & RIs.