

# DeiC Conference 2023-11-08

Data Stewardship: institutional role  
and national collaboration

Data Stewardship in  
Denmark

A large, thick, light green decorative wave graphic that starts on the left side of the slide, curves upwards and then downwards, and ends on the right side, partially overlapping the speaker's name.

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# **E-Infrastructure, eSkills Competences - the General Perspective**

- > **Background for increased focus on Competence and National eSkills Competence Centres**
- 1. **EOSC** and the increased focus on CC for the DM/Open Science area. For example, the latest draft of the [EOSC Multi-Annual Roadmap](#) explicitly mentions the Skills4EOSC project in relation to the gathering of National eSkills Competence Centres.

*Extract:*

### **1.2 National level priorities**

Building **competence centres** is key to knowledge transfer on Open Science and FAIR in the EOSC context. While the structure, operational mode and organisation of **Competence Centres** may vary very widely, they are usually associated with excellence, training, interdisciplinarity, standardisation and a collaborative approach that ensures harmonisation and alignment at European level.

Leverage existing **national Competence Centres**, such as those run by **Skills4EOSC** and the Dutch Digital Competence Centres, and strengthen their participation in coordination networks.

- > **Background for increased focus on Competence and National eSkills Competence Centres**
- 2. The [National FAIR strategy](#) and the implementation follow-up [mandate](#) from **Danish Agency for Higher Education and Science** explicitly mentions a National Competence Centre.

*Extract:*

11. To what extent is there interest in developing and offering the research support function jointly at national level? E.g. under a centralized or decentralized **National Competence Centre**.
12. Are the research institutions interested in national coordination of training (not research support) within FAIR research data management? Can a possible national collaboration aim at division of labour, specialization and joint national provision of educational offers – e.g. in the form of a **Competence Centre** under the auspices of DeiC? There is regarding teaching at all levels, from bachelor's to continuing education for scientific staff.

- > **Background for increased focus on Competence and National eSkills Competence Centres**
- 3. The **EuroHPC** competence centre, **EuroCC** (European network of 33 national HPC competence centres), and its **national nodes**, seem in many ways to:
  - Either, be duplicated for the FAIR Data Management (DM) area
  - or, be expanded to swallow-up the DM competence area

*Extract:*

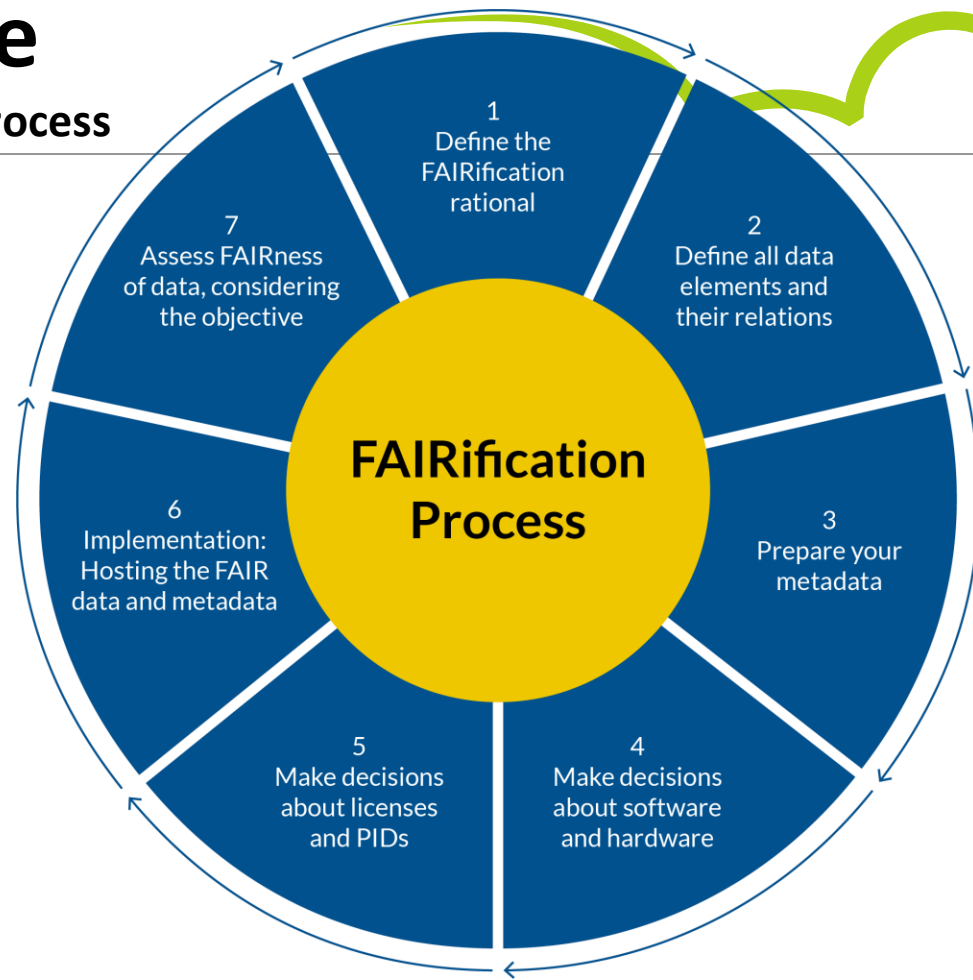
The competence centres will coordinate HPC expertise at national level and ease access to European HPC opportunities for research and scientific users...

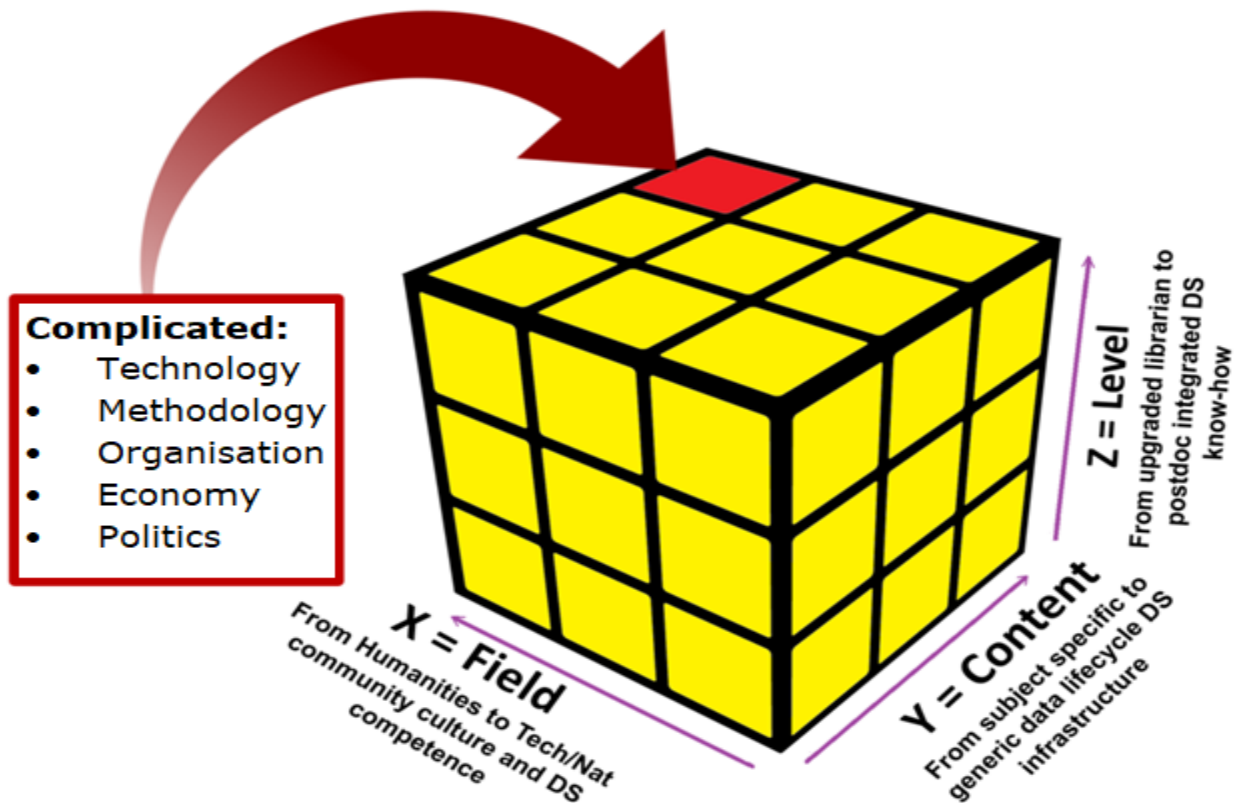


**Which  
infrastructure and tools?**

### Which Competence?

- So much more to be done
- So many more FAIR-enabling resources are needed
- So much is yet to be discussed, formulised, organised, professionalised and financed
- A lot of FAIR enabling tools exist, mostly of a *subject specific* organ
- We have little to no overview...

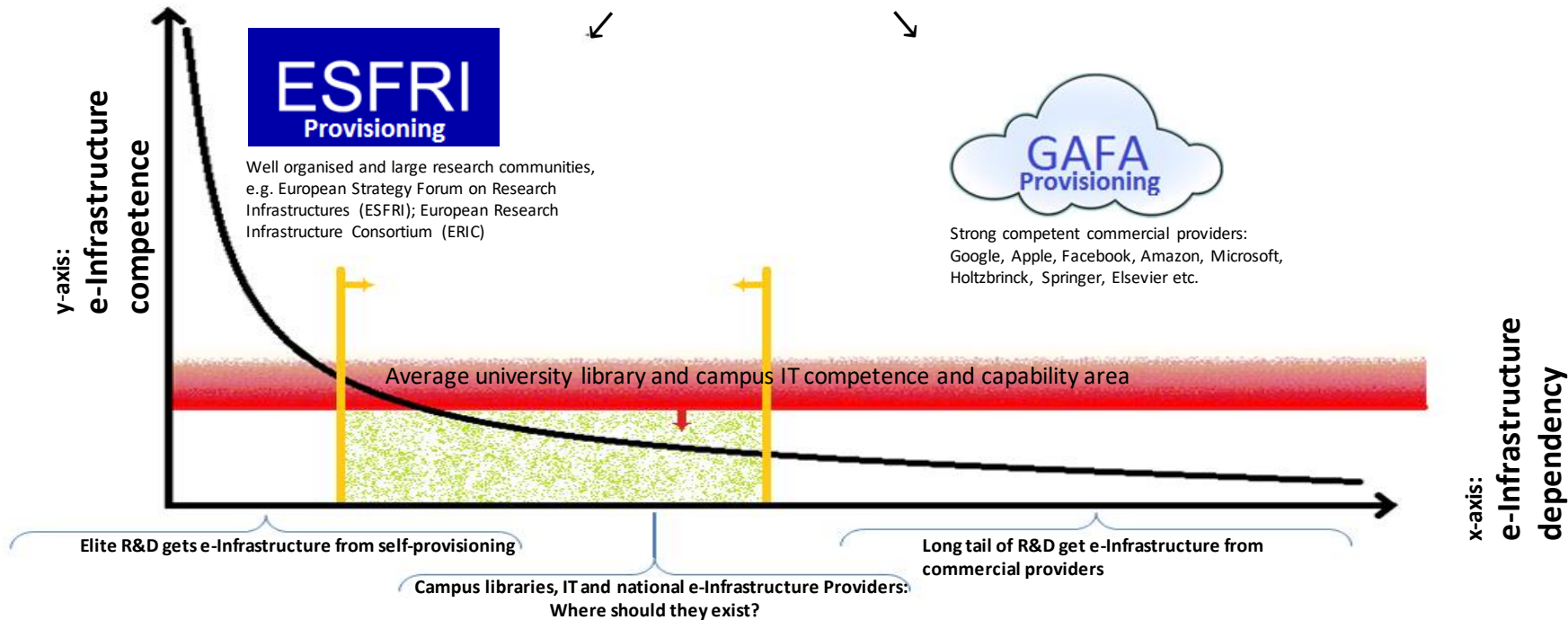






# The evolving landscape structure: Who will have the competence?

Subject specific vs. generic

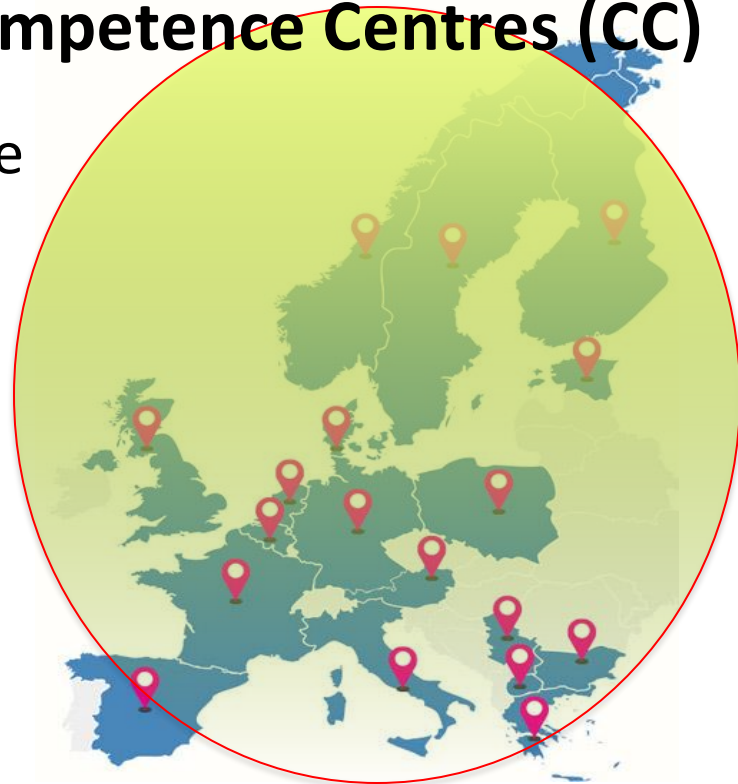




# **E-Infrastructure, eSkills Competences - Possible Organisational Models**

## > EOSC & the National Competence Centres (CC)

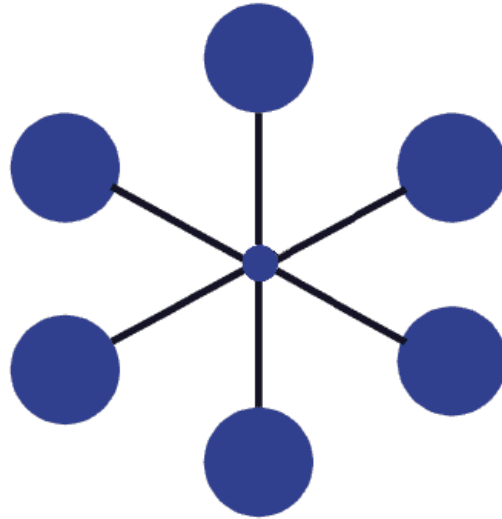
- **Critical mass** of competence
- **One CC** in every country
- **Cofounded** by EU & MS
- **All CC Federated** at EU level



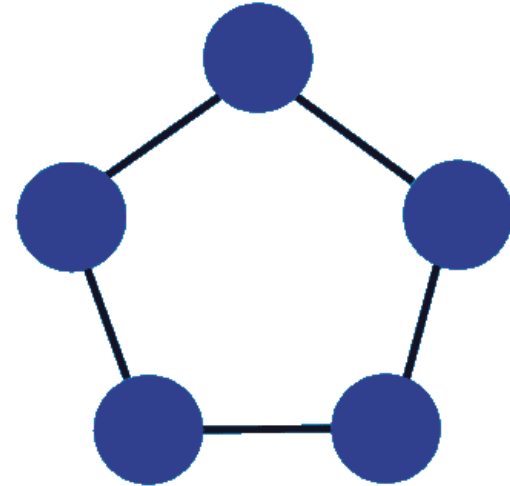
## > Organisations – Many possibilities



**Centralised**

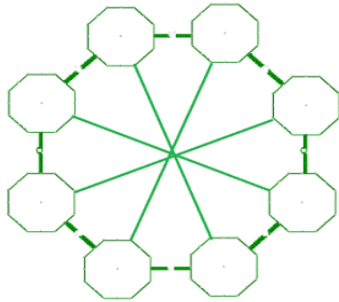


**Decentralised**

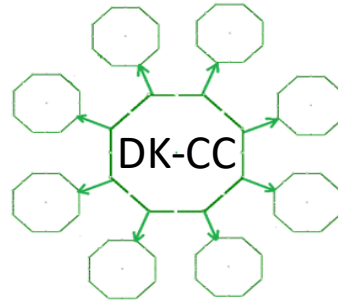


**Networked**

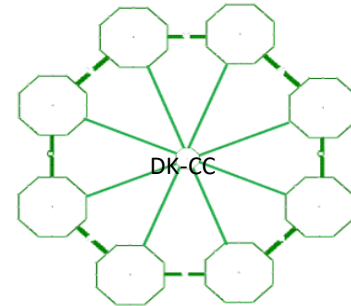
## > National eSkills Competence Centres



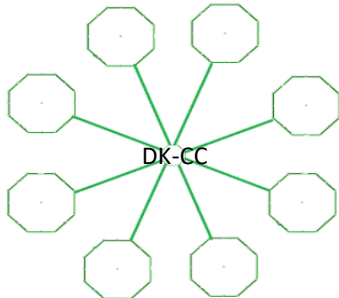
Netværk



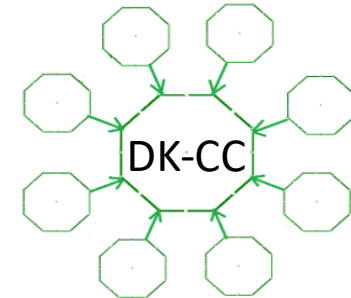
Centraliseret



Decentralisering



Føderaliseret (min)



Føderaliseret (max)

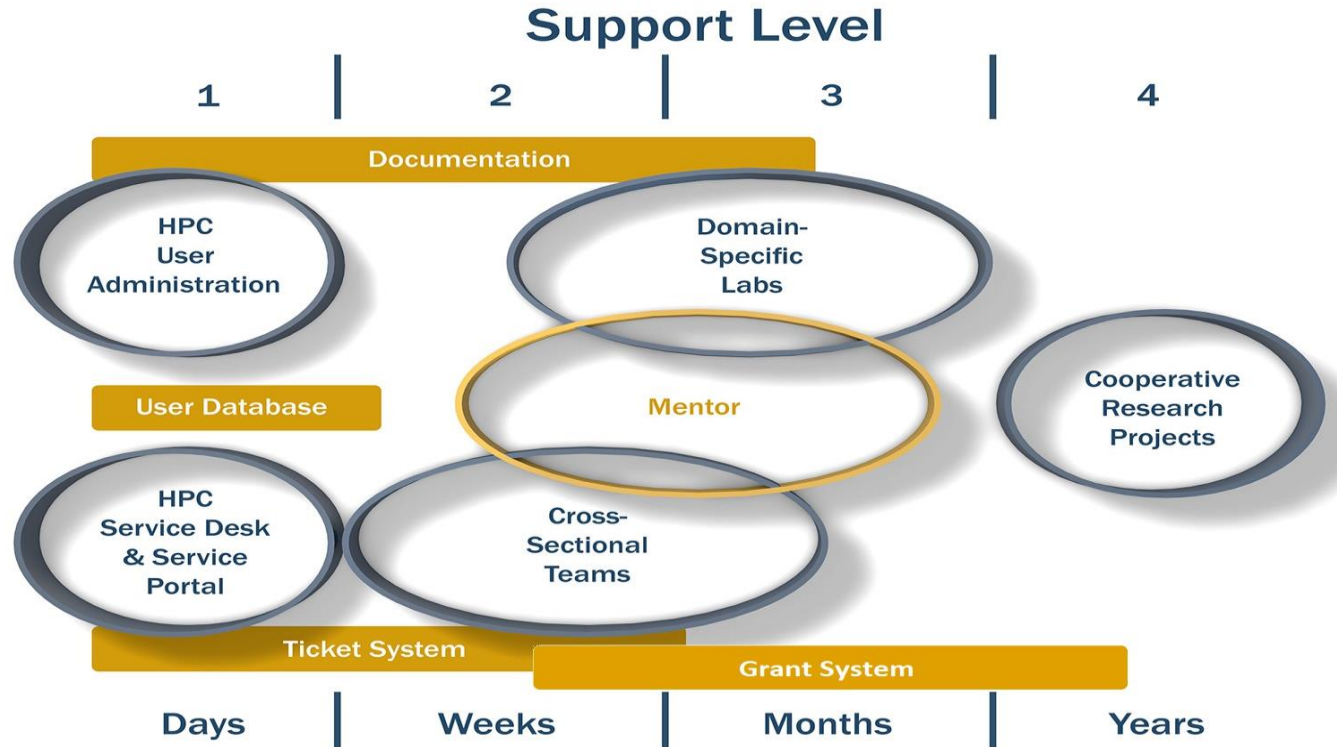
Training, education,  
assistance

Vs.

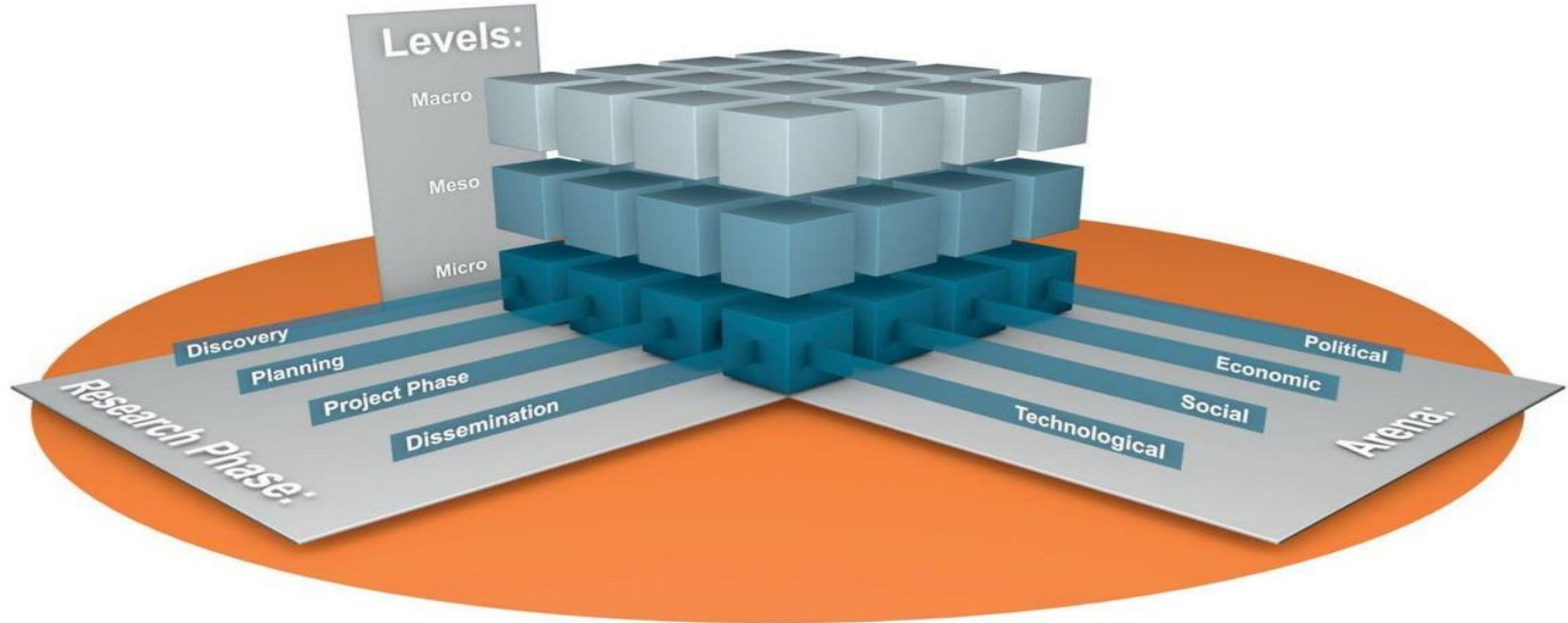
Integration into  
research process/team

Increased:

- Professionalisation
- Specialisation
- Scaling
- Organisation
- Funding



Source: Gauss Centre for Supercomputing



Source: Knowledge Exchange Open Scholarship Framework