



The EOSC-hub project

Integrating and managing services for the European Open Science Cloud

Diego Scardaci (EGI Foundation)

Activity Management Board co-Chair

 eosc-hub.eu

 [@EOSC_eu](https://twitter.com/EOSC_eu)



EOSC-hub receives funding from the European Union's Horizon 2020 research and innovation programme under grant agreement No. 777536.

EOSC-hub mobilises providers from **20** major digital infrastructures, EGI*, EUDAT CDI** and INDIGO-DataCloud **jointly** offering **services, software and data** for advanced data-driven research and innovation.

* EGI is not an acronym (any more)

** CDI – Collaborative Data Infrastructure



EOSC-hub Project figures

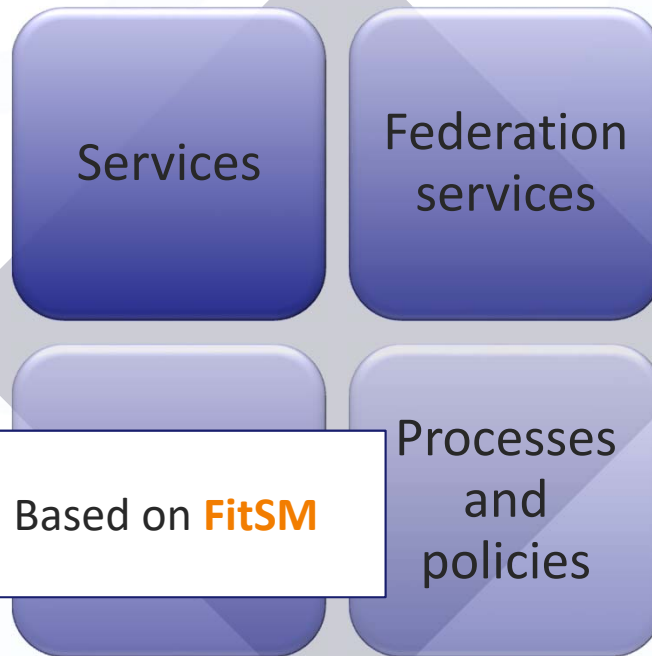
- European Commission Horizon2020 programme
- 100 Partners, 76 beneficiaries (75 funded)
- 3874 PMs, 108 FTEs, more than 200 technical and scientific staff involved
 - €33,331,18, funded by:
 - European Commission: €30,000,000
 - EGI Foundation and its participants: €2,155,540
 - EGI participants: €1,221,094
- 36 months: Jan 2018 – Dec 2020

The project will create **EOSC Hub**:

From the consortium
AND from **external contributors**

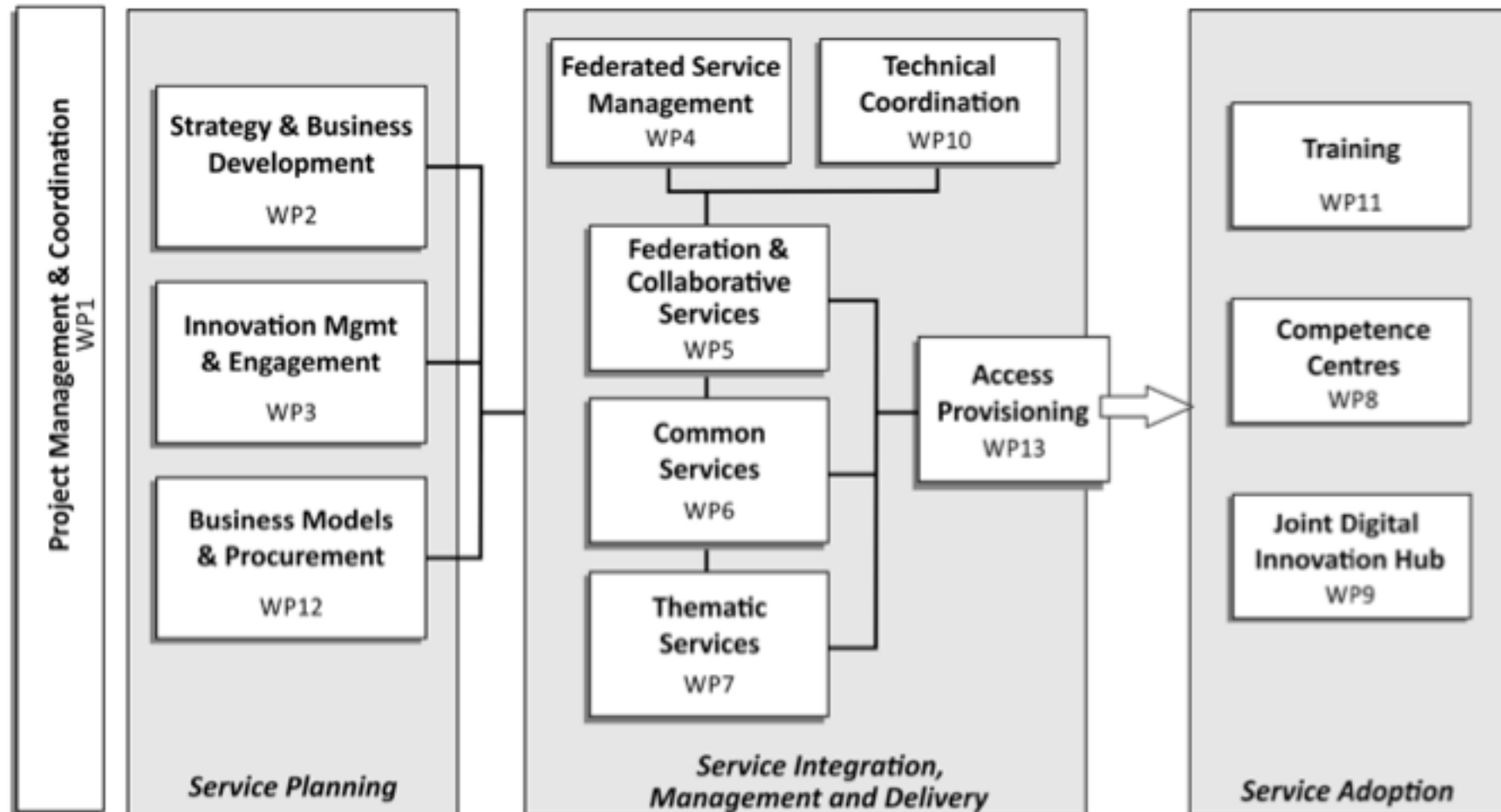
- Data
- Applications & tools
- Baseline services (storage, compute, connectivity)...
- Training, consultants
- Lightweight certification of providers
- SLA negotiation
- Customer Relationship Management
- ...

integration and management for EOSC



Usage according to **Principles of engagement**

- Marketplace
- AAI
- Accounting
- Monitoring
- ...
- Security regulations,
- Compliance to standards,
- Terms of use,
- FAIR implementation guidelines
- ...



What does the Hub provide?

- **Contact point** for researchers and innovators to discover, access, use and reuse a broad spectrum of resources for advanced data-driven research
 - Catalogue of resources and services
 - Humanities, Engineering, Medical and Health Sciences, Natural Sciences
- Corpus of policies, processes and federation services (community-defined)
 - Principles of engagement and EOSC “core” services
- **Quality assurance reviews**
 - Manage end-to-end service level management performance
- **Competence Centres and a Joint Digital Innovation Hub**
 - Specialized Technical support, training

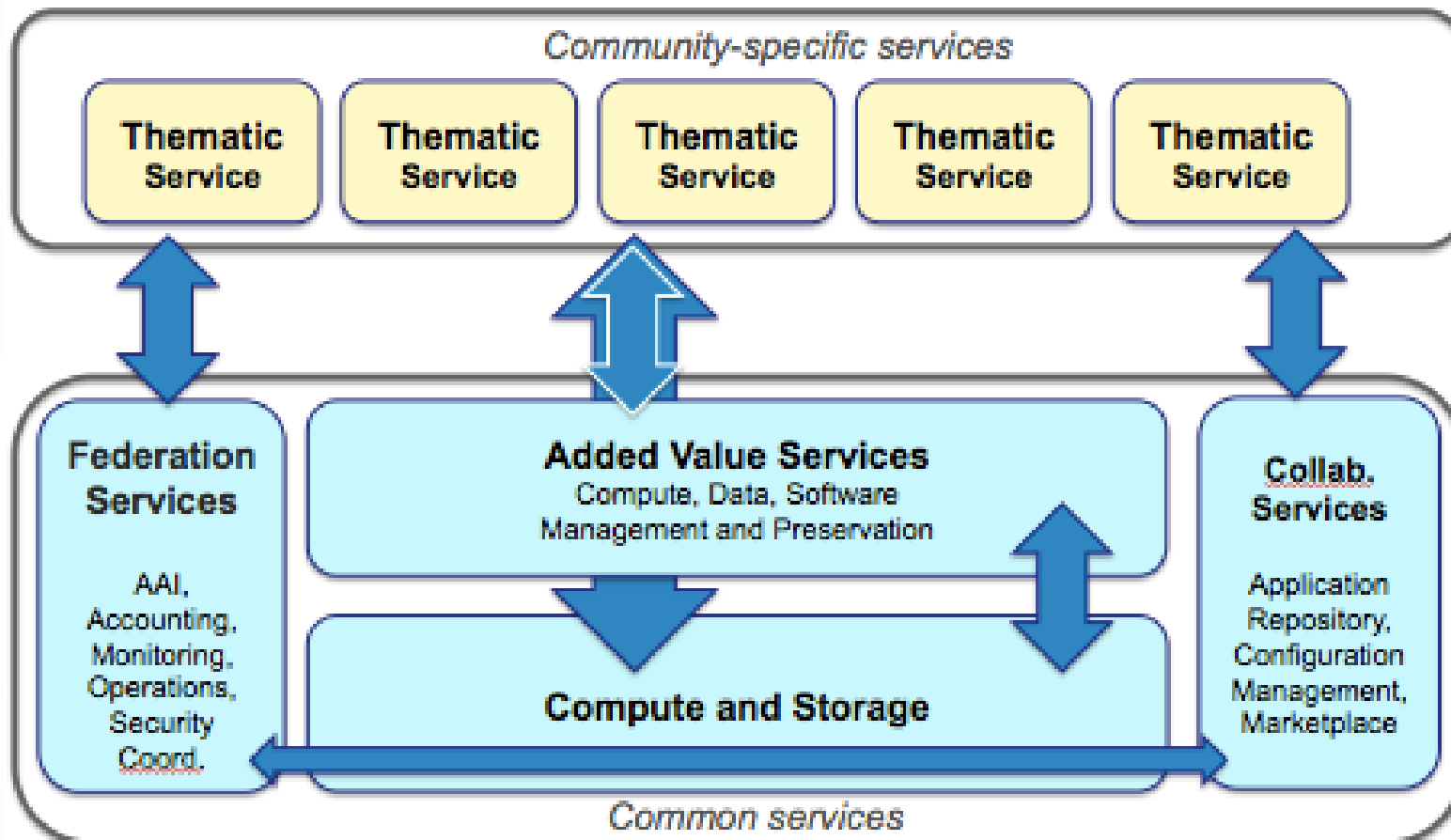
From service integration to utilization

Integrate
production-
ready
services

Operate and
Provide

Access and
Consume

EOSC-hub Architecture





EOSC-hub

Service Providers

e-Infra

EGI
Federation

EUDAT CDI

Humanities

Language
and
literature
(CLARIN)

Arts
(DARIAH)

Engineering

Environmen
tal
engineering
(sea vessels,
LNEC)

Civil
Engineering
(Disaster
Mitigation)

Medical
and Health
Sciences

Biological
Sciences
(ELIXIR)

Structural
biology
(WeNMR)

Natural
sciences

Physical Sciences

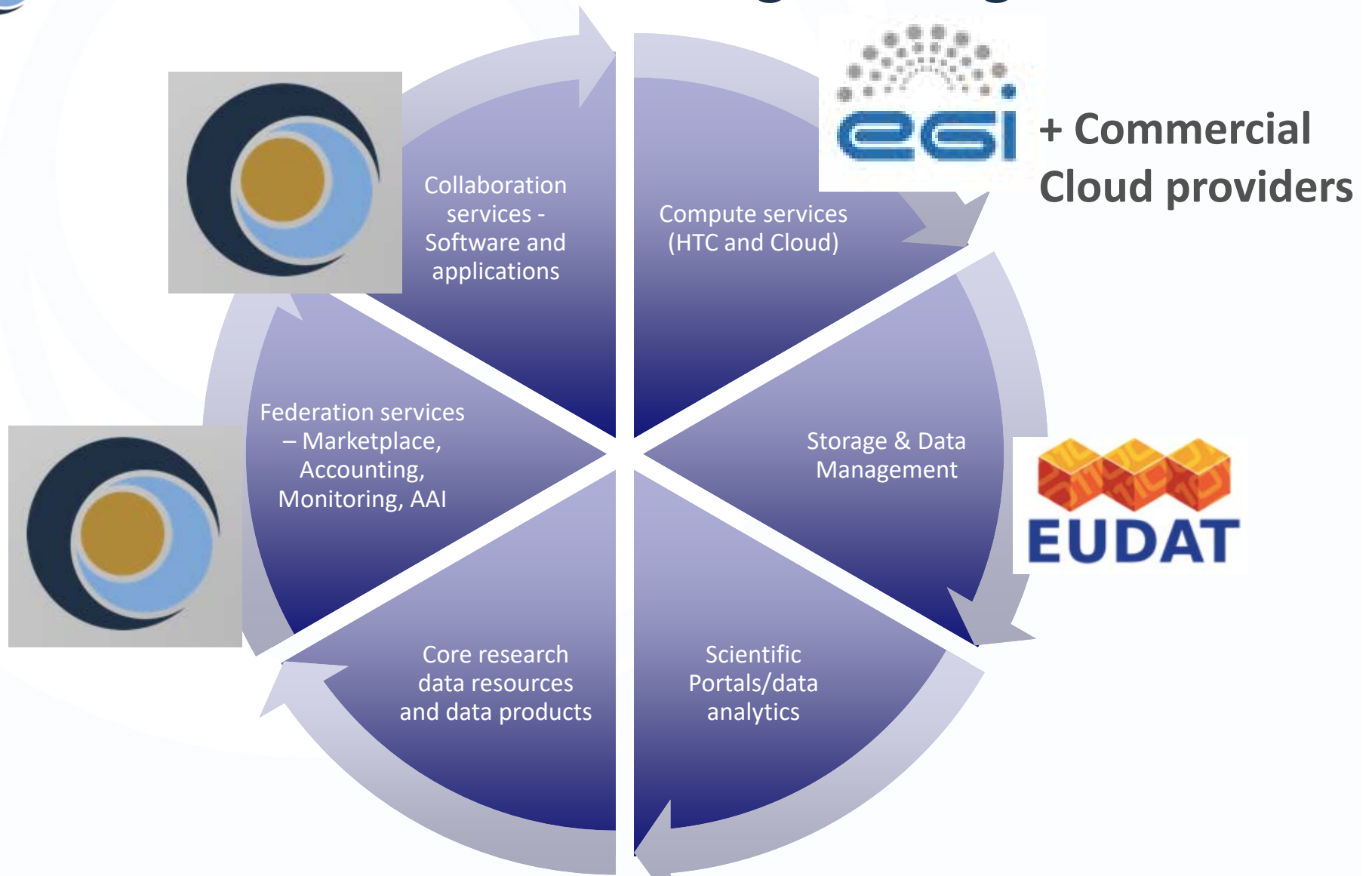
- Astronomy (LOFAR)
- Fusion (ITER)
- High Energy Physics (CMS and VIRGO)
- Space Science (EISCAT-3D)

Earth Science

- EO Pillar
- GEO
- Climate Research (ENES)
- Seismology (ORFEUS, EPOS)

Biological Sciences

- Marine and freshwater biology (IFREMER)
- Biodiversity conservation (LifeWatch)
- Ecology (ICOS)



**Thank you for
your attention!**



EOOSC-hub

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