

Towards the European Open Science Cloud (EOSC) **EOSC-hub project**



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"EOSC in Progress. About the European Open Science Cloud"

Outline

- About the European Open Science Cloud
- About the EOSC-hub project

EUROPEAN OPEN SCIENCE CLOUD

BRINGING TOGETHER CURRENT AND FUTURE DATA INFRASTRUCTURES

A trusted, open environment
for sharing scientific data

Open and seamless
services to analyse and
reuse research data

Linking data

Connecting across borders
and scientific disciplines

Connecting scientists
globally

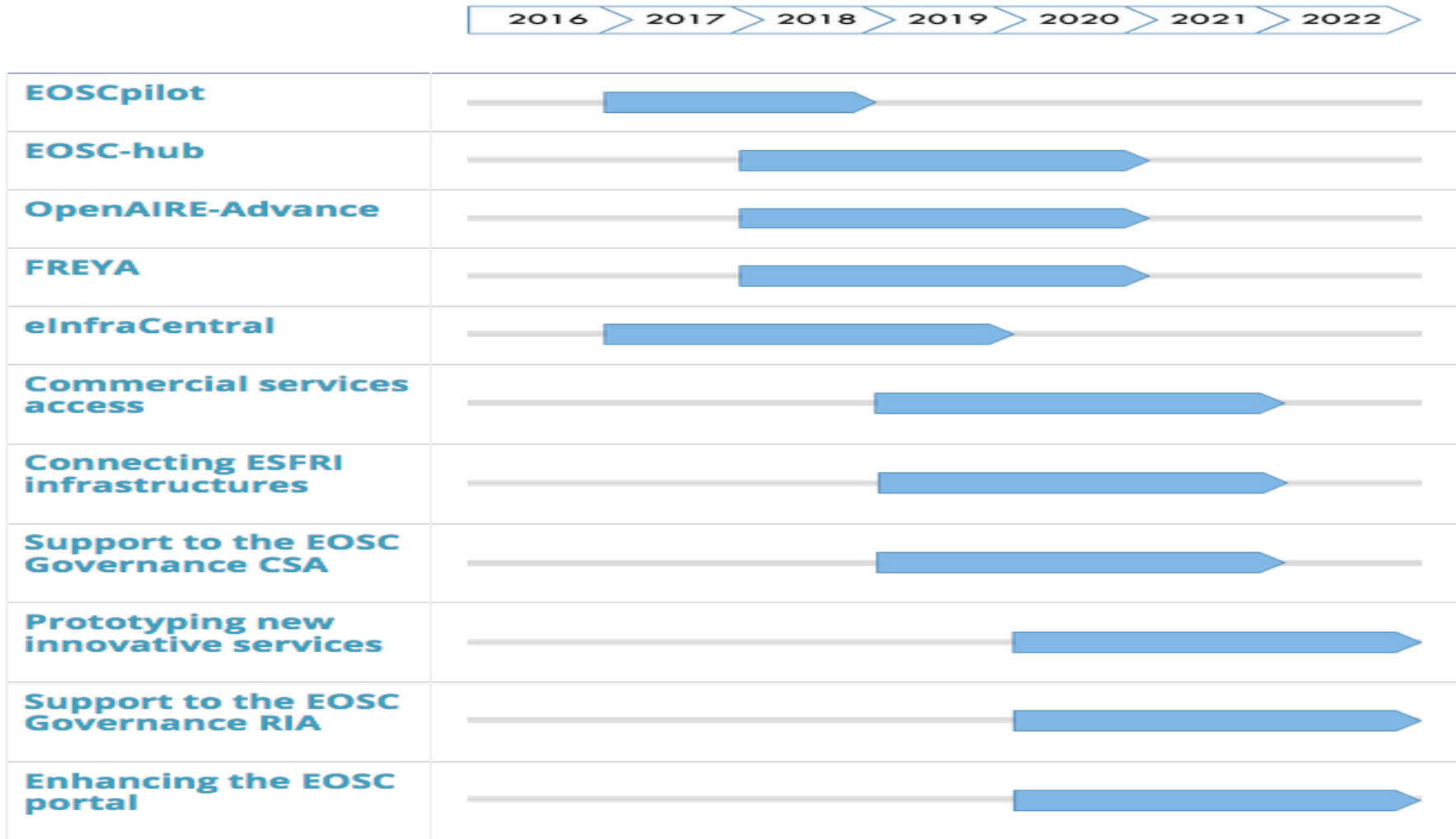
Long term
and sustainable

Improving science



EOSC Timeline

Seen below are the various ongoing and future projects that will contribute to the development of the European Open Science Cloud in 2021. Mousing over the timeline will reveal the available funding for each project.



Source: <https://eoscpilot.eu/eosc>



Integrating and managing services for the European Open Science Cloud



eosc-hub.eu



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

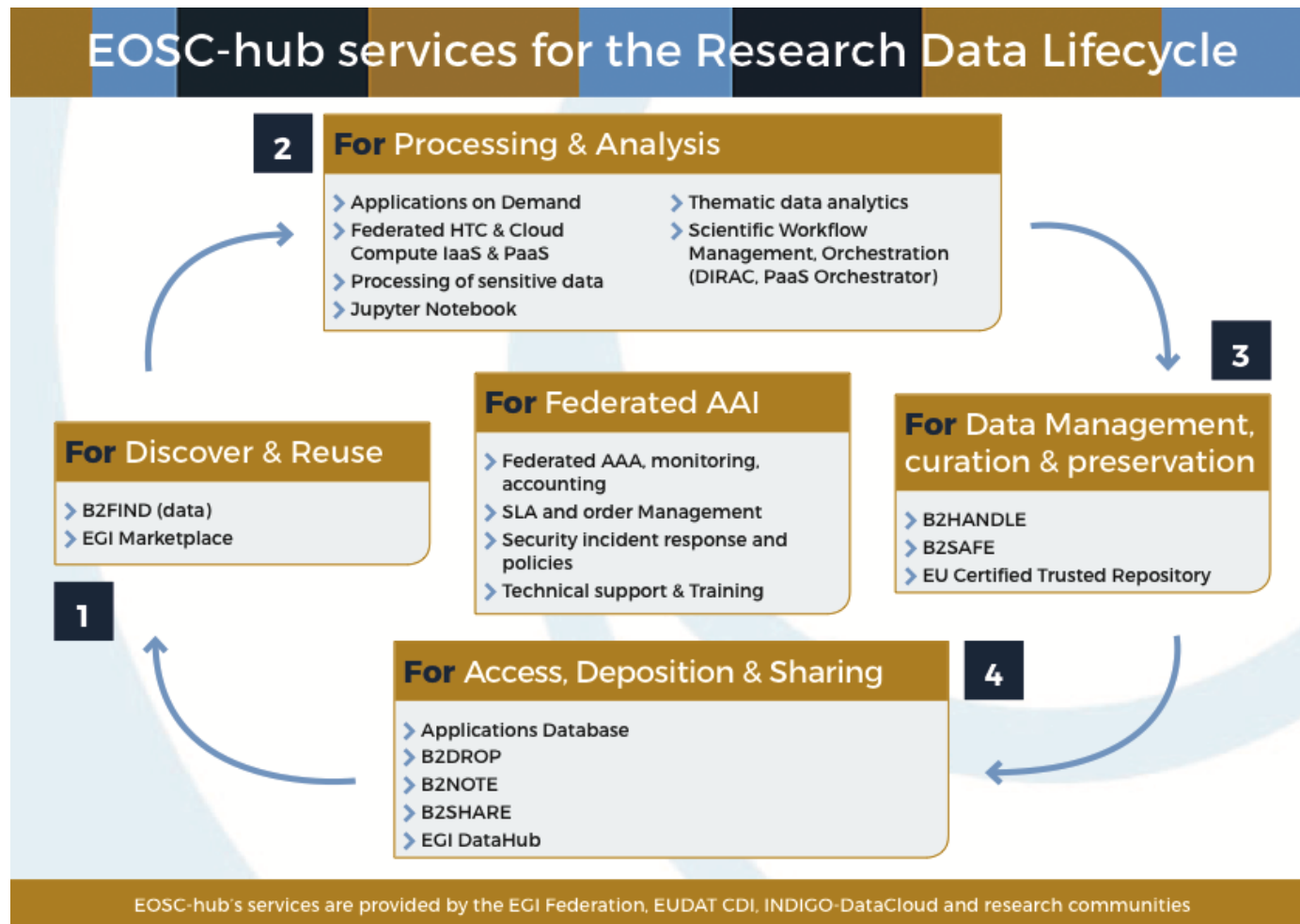


EOSC-hub mobilises providers from 20 major digital infrastructures, EGI, EUDAT CDI and INDIGO-DataCloud jointly **offering services, software and data** for advanced data-driven research and innovation.



These resources are offered via the **Hub** – the integration and management system of the European Open Science Cloud, acting as a single entry point for all stakeholders.

- 100 Partners, 76 beneficiaries
- 3874 PMs, 108 FTEs, more than 200 technical and scientific staff involved
- €33,331,180, funded by:
 - European Commission: €30,000,000 (call H2020-EINFRA-2016-2017)
 - The participants of the EGI foundation: €3,331,180
- 36 months: Jan 2018 – Dec 2020



Technology Readiness Level (TRL) 8: no building of new services, only integration (“at least a pre-production service available for the users”)

EOSC-hub Marketplace

Multi-tenant **user-facing platform** for service providers to publish their EOSC services and EOSC-compliant data repositories, and collect service orders

→ Discover, order, access services from the EOSC-hub service catalogue



COMPUTE



DATA &
STORAGE



PLATFORMS



THEMATIC
SERVICES



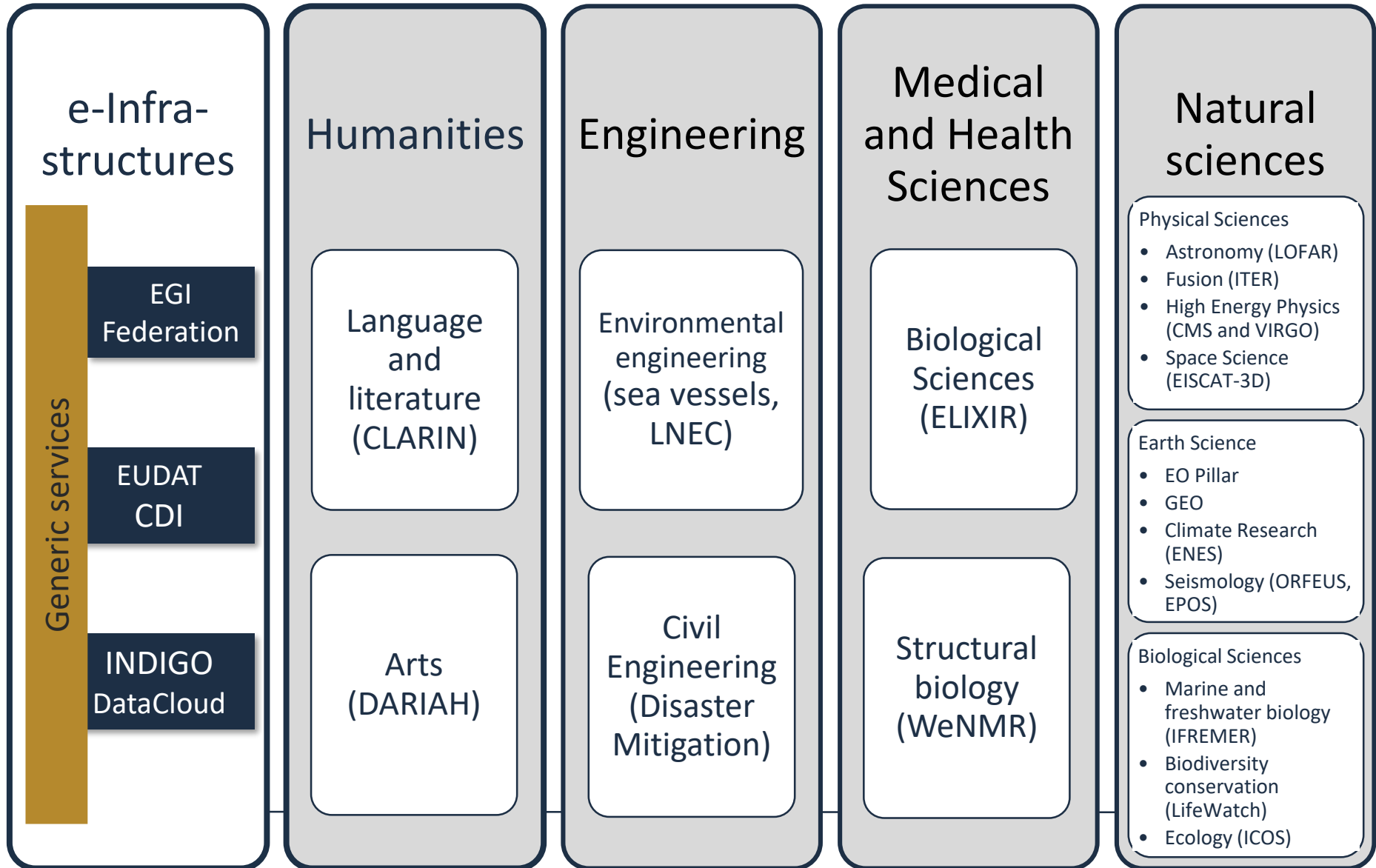
IDENTITY &
SECURITY



PROFESSIONAL
SERVICES

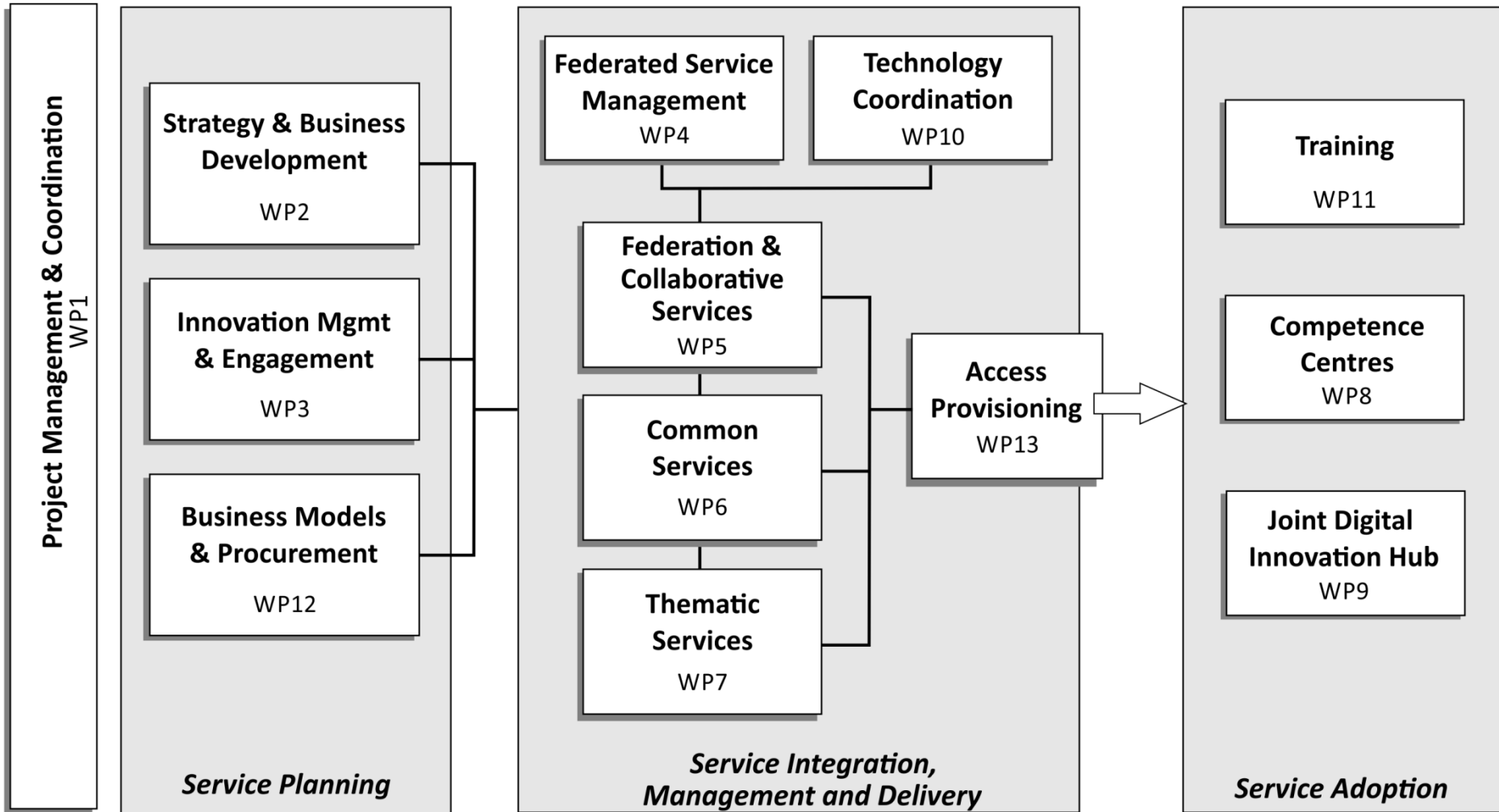
<https://marketplace.eosc-hub.eu>

By Who does the Hub provide?



- Open to service providers and end-users
 - The project will support the integration new *thematic services* and scientific products from research communities and disciplines.

Work packages



EOSC-hub

- ◉ <https://www.eosc-hub.eu>
- ◉ <https://marketplace.eosc-hub.eu>
- ◉ <https://www.eosc-hub.eu/training-events>
<https://www.eosc-hub.eu/training-material>
- ◉ <https://dans.knaw.nl/en/projects>

EOSC-general

The EOSC Declaration of 2017[1] has been followed up with a roadmap[2] and now a report on Prompting the EOSC in Practice[3] which underwent a stakeholder consultation on the rules of participation. Those rules refer back to the FAIR principles which have their own report on Turning Fair Data into Reality[4] and a parallel consultation.

[1] https://ec.europa.eu/research/openscience/pdf/eosc_declaration.pdf

[2] https://ec.europa.eu/research/openscience/pdf/swd_2018_83_f1_staff_working_paper_en.pdf

[3] https://ec.europa.eu/info/sites/info/files/conferences/eosc_summit_2018_prompting_an_eosc_in_practice_eosc_hleg_interim_report.pdf

[4] <https://zenodo.org/record/1285272#.Wz0WSdVKhUQ>



Thank you for your attention!

 eosc-hub.eu

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