Digital Infrastructures for Research 2017

The Square Meeting Centre, Brussels, 30 November 2017

Digital infrastructures and the EOSC

Thomas Skordas

Director, DG Connect, European Commission

DSM and the European Cloud Initiative

European Commission President Jean-Claude Juncker

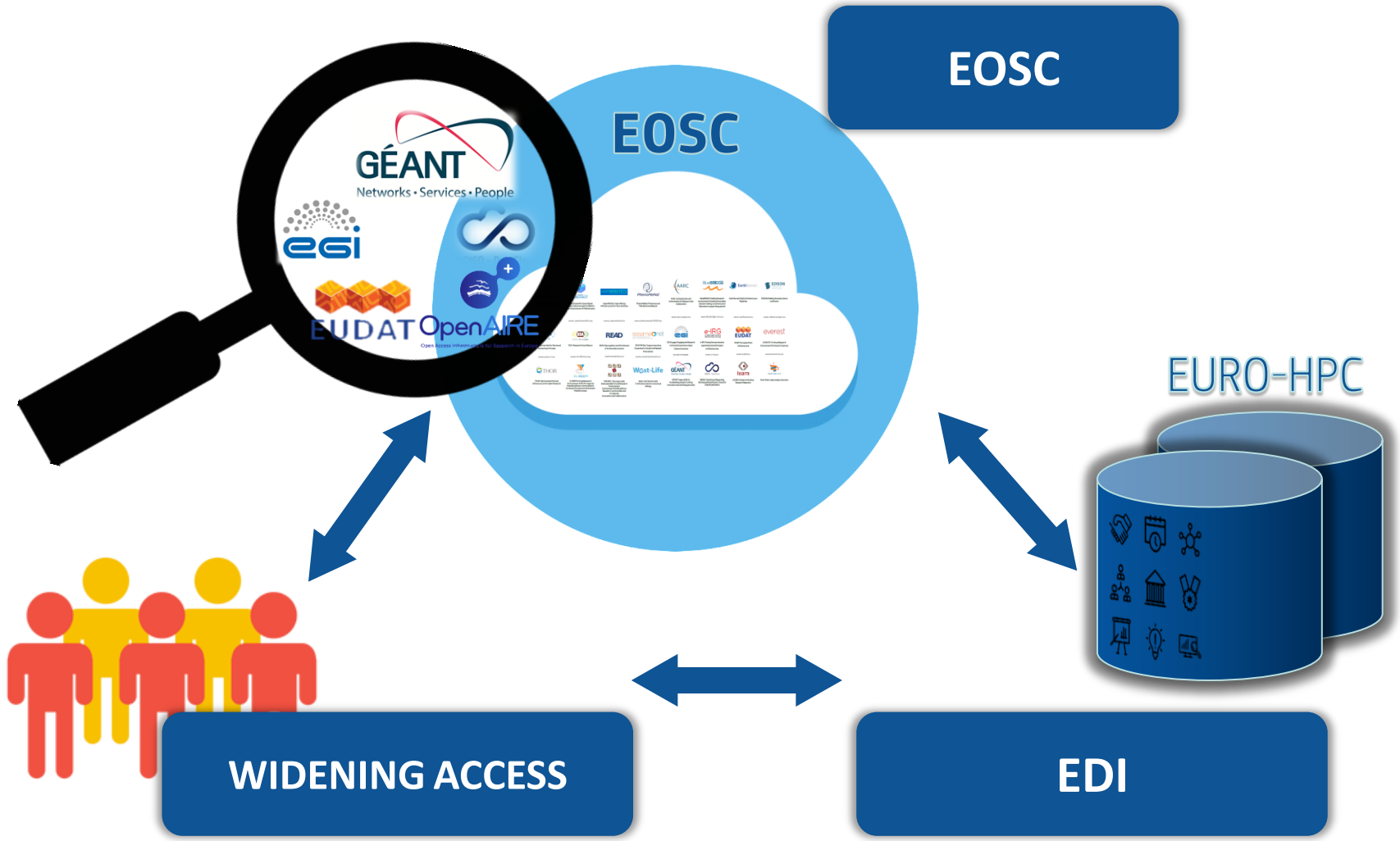
Digital Single Market (DSM)

(bringing down barriers to unlock online opportunities)

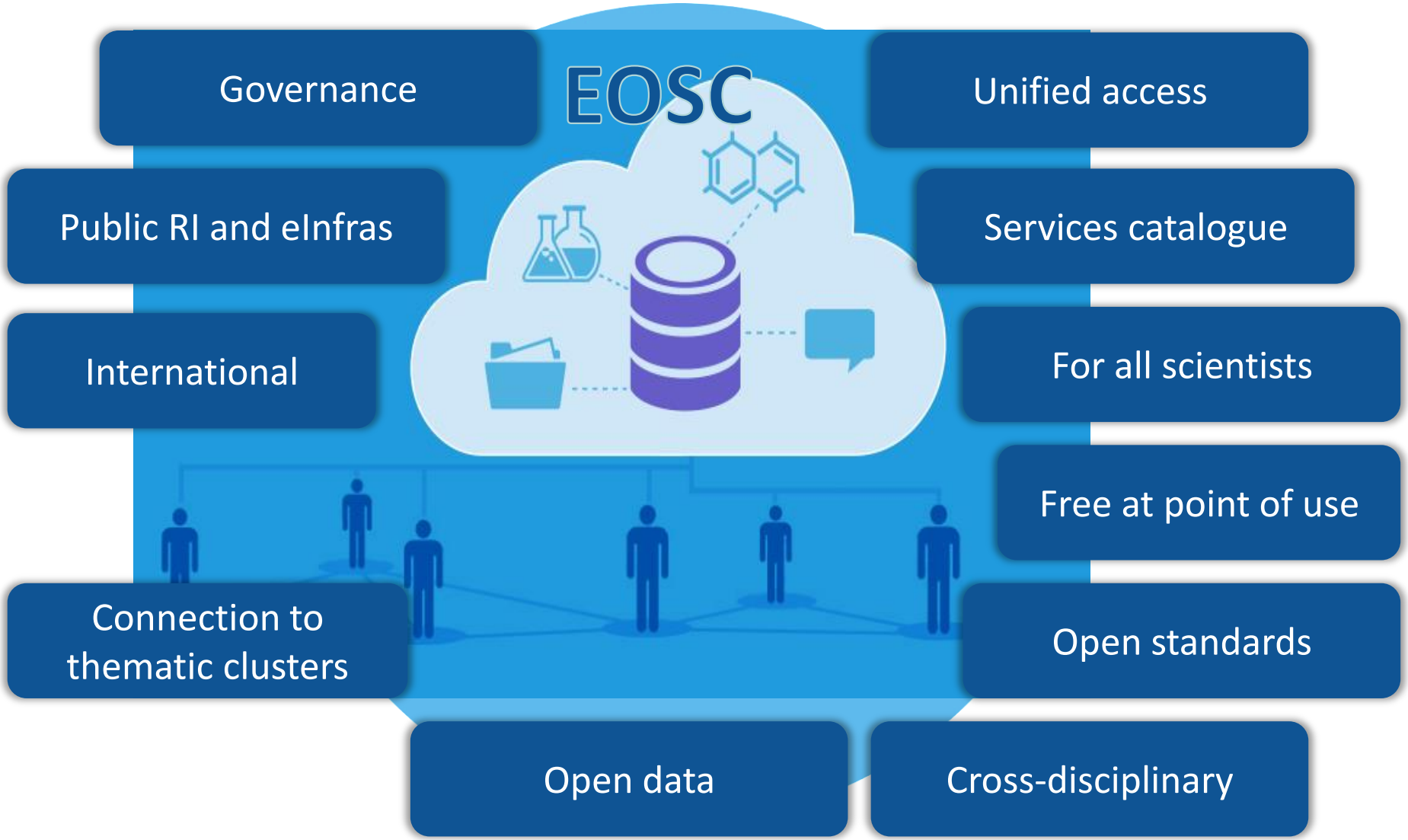
April 2016: European Cloud Initiative COM(2016) 178
as part of the 'Digitizing Industry' package

- European Open Science Cloud (EOSC)
- European Data Infrastructure (EDI)
- Widening access and building trust

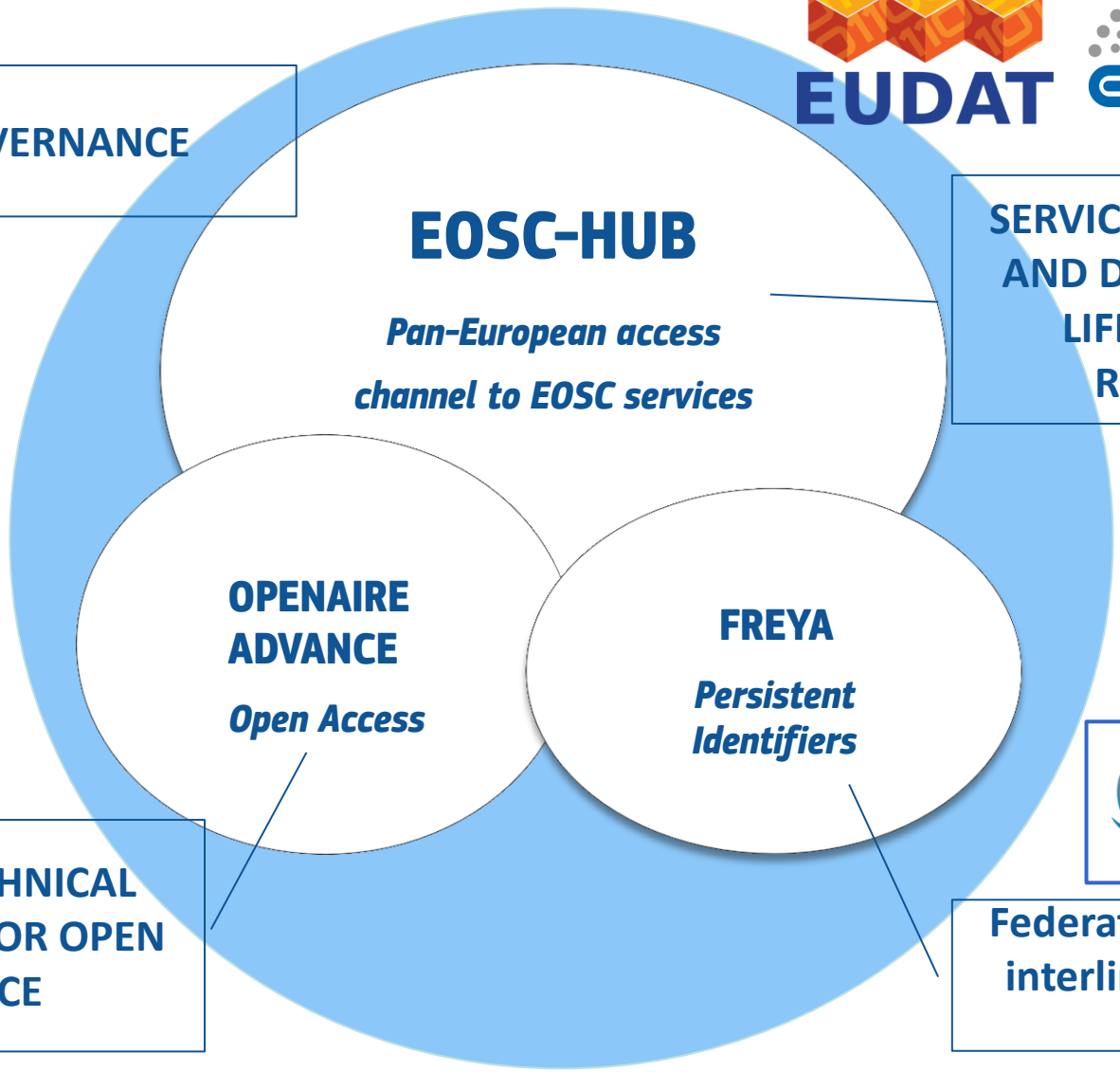
Road to excellence in RIs and e-Infrastuctures



Long term vision for the EOSC



e-infrastructures in EOSC
H2020 Phase: Building and consolidation



GOVERNANCE

EOSCpilot
The European Open Science Cloud for Research Pilot Project

EUDAT

egi

INDIGO - DataCloud

SERVICES, SOFTWARE AND DATA FOR FULL LIFE-CYCLE OF RESEARCH

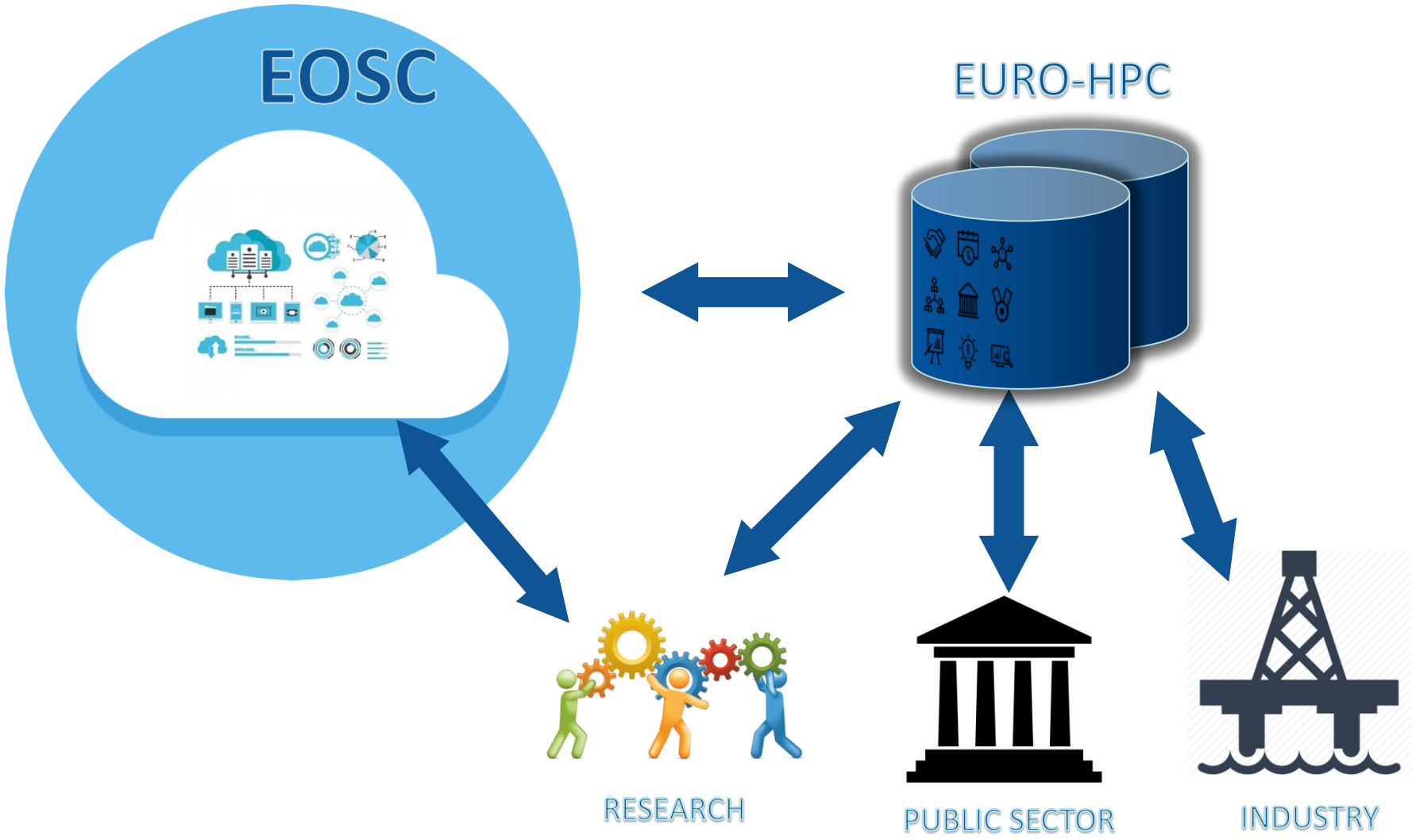
OpenAIRE

SOCIO-TECHNICAL NETWORK FOR OPEN SCIENCE

THOR

Federated network of interlinked research objects

EDI & EuroHPC: The H2020 Phase (1)



EuroHPC: The H2020 Phase (2)

Co-invest on a world-class HPC and data infrastructure
for European scientists, industry and the public sector and support the development of technologies and applications across a wide range of fields

- **Coordinate EC/MS activities**
- **Pool public and private resources at EU level**
- **Procure world-class pre-exascale machines**
- **Close the chain from R&D to procurement**
- **Become lead Users**
- **Create a competitive supply industry**
- **Lead in Applications**

The EuroHPC Joint Undertaking: ~1 B€ for 2019-2026
A world-class European HPC, Big Data and Cloud Ecosystem

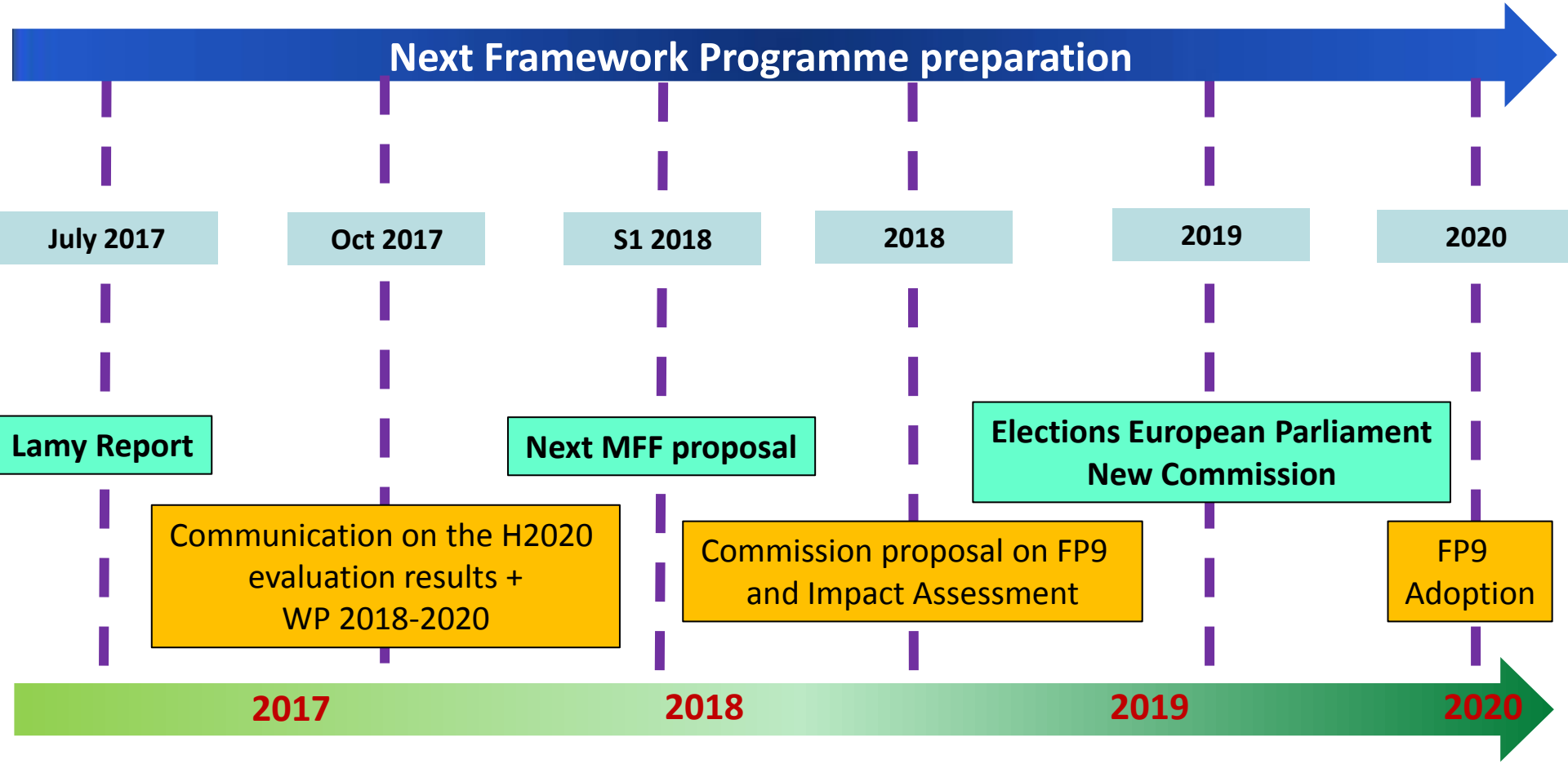
e-infrastructures in EOSC: FP9 Phase?

"acknowledges the importance of maximising the benefit of [big data, access, data storage, connectivity…] for researchers"

"to explore appropriate governance and funding frameworks taking sufficient consideration of existing initiatives"

Extract from EU Council conclusions (26/05/2016)

Planning towards FP9



European Commission

Thank you !

Follow us! @eInfraEU & @EuroHPC
#EOSC @DSMeu