



EOSC

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Why the EOSC?

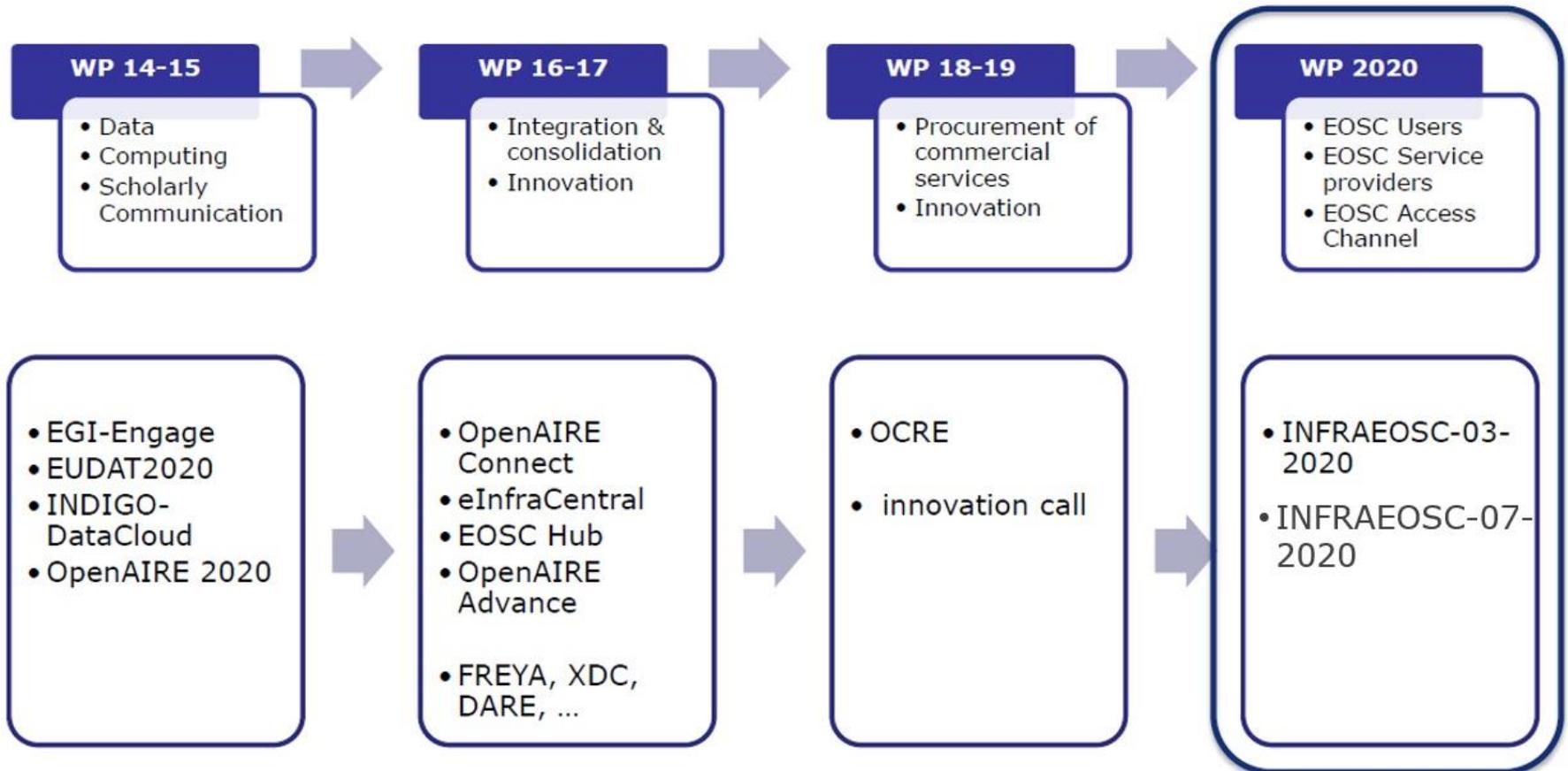
- ✓ Vehicle for Open Science and the Digital Single Market
- ✓ Offer researchers anywhere in the EU the resources they need
- ✓ Build an open and inclusive data commons in Europe and develop a system of FAIR digital objects
- ✓ Facilitate interdisciplinarity and research to applications
- ✓ Reduce fragmentation and costs through increased resource sharing and federating existing infrastructures

- ✓ Enabler of an **open, transparent, rule-of-law-based, federated ecosystem**, providing access to core digital infrastructure and service resources with the objective of:
 - ✓ Maximising digital capacities available to researchers
 - ✓ Supporting public authorities in informed policy development and implementation, including for key societal challenges
 - ✓ Enable the Digital Single Market, help stimulate the emergence of a competitive EU cloud sector

What is the EOSC?

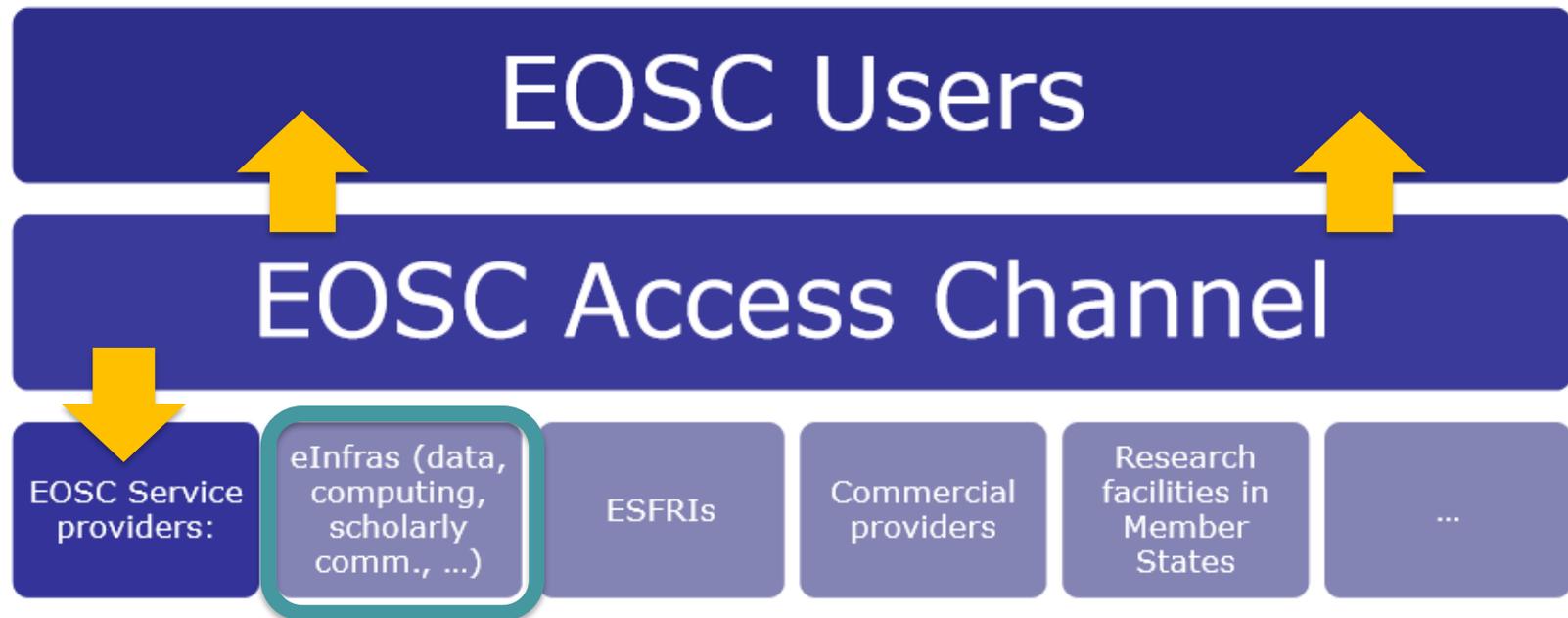
- ✓ Trusted and open virtual environment with seamless access to services (with highest TRLs) addressing the whole research data life cycle:
 - ✓ Federate and connect existing or planned RIs
 - ✓ Make data FAIR, store them, ensure long-term preservation
 - ✓ Services to find, access, combine, analyse and process data
 - ✓ Protected, personalized work environment
- ✓ Multi-layered federation (federating core, rest of the ecosystem), bringing together supply and demand in a trusted environment
- ✓ Open, transparent, rule of law based: no lock-in by individual service providers, data portability, IPR, cloud security...
- ✓ Adaptively user-oriented and inclusive (across borders and disciplines)
- ✓ Accessible through a non-exclusive, simple, universal access point
- ✓ Governed by clear and unambiguous Rules of Participation
- ✓ Steered by an inclusive governance structure

e-infrastructure funding in Horizon 2020 (excl. Network and HPC)



INFRAEOSC-03-2020:

Integration and consolidation of the **pan-European access mechanism** to public research infrastructures and commercial services through the EOSC Portal



INFRAEOSC-07-2020:

Increasing the EOSC portal **service offer**

Key questions to address

- ✓ EOSC role in overall EU Digital Infrastructures
- ✓ EOSC architecture (technical federation, role of the federating core, associated infrastructures/ services)
- ✓ EOSC, Connectivity and High Performance Computing
- ✓ Role of Regulation, Standardisation, Certification
- ✓ Public sector use and demand on EOSC
- ✓ EOSC for priority societal domains and societal challenges
- ✓ EOSC and commercial clouds / services
- ✓ Data (technical, legal, sharing incentivisation)
- ✓ User involvement and user needs
- ✓ Funding (variety of sources, operational vs. projects)
- ✓ Legal vehicles, Governance and oversight

Implementing the future EOSC

By end 2020:

- ✓ Governance model and best-fit legal vehicle for post-2020
- ✓ Financing model(s) and sources for post-2020
- ✓ Rules of participation to govern the future EOSC
- ✓ Coordination of EOSC-relevant H2020 projects
- ✓ FAIR digital objects: turning principles into practice
- ✓ Expansion of the EOSC service offering to the researchers
- ✓ Evolution of the EOSC Platform and its interfaces
- ✓ Widening of the EOSC user base and increasing demand
- ✓ Interaction between EOSC and EDI (cloud, HPC, network)
- ✓ **Review of Phase 1 by COM and the Member States**



European
Commission

Thank you