










Broadly Used e-Infrastructures

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E-infrastructures in Germany and Europe

	HPC	HTC	Data	Network
Europe		  		
Germany	<p>Tier-structure: <u>GCS (T1),</u> <u>Gauss-Alliance</u> (T2)</p> 	<p>—</p> <p>(German WLCG sites)</p>		

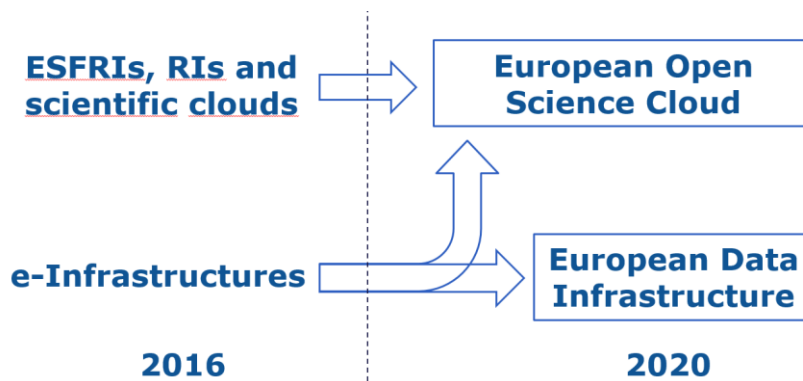
- + many community specific e-infrastructures and technology providers: HBP, DARIAH, ELIXIR, INDIGO-DataCloud, AARC, RADAR, ...

European Open Science Cloud

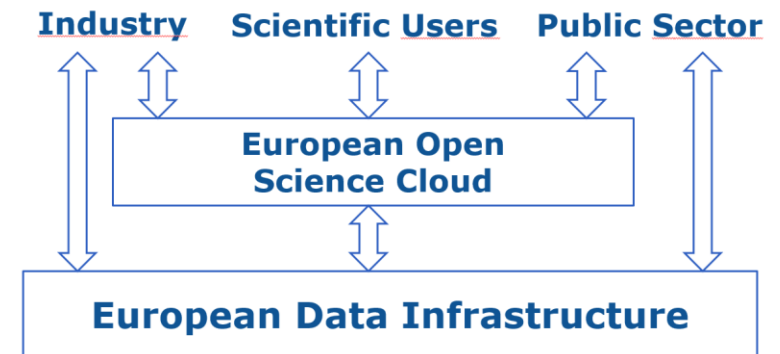


The European Cloud Initiative

- *European Open Science Cloud (EOSC)*
 - **Integration and consolidation of e-infrastructures**
 - **Federation of existing research infrastructures and scientific clouds**
 - **Development of cloud-based services for Open Science**
 - **Connection of ESFRIs to the EOSC**
- *European Data Infrastructure (EDI)*
 - **Development and deployment of large-scale European HPC, data and network infrastructure**



EOSC & EDI: Static View on Year 2020 (over-simplification)



European Open Science Cloud (2)

■ European Commission is heavily pushing towards EOSC

- <https://ec.europa.eu/research/openscience/index.cfm?pg=open-science-cloud>

- Two calls so far:

- INFRADEV-04 → EOSCpilot project



- Among others: KIT, DESY, MPCDF

- EINFRA-12 → EOSChub project (starting 2018)

- Among others: KIT, FZJ, MPCDF, GFZ, DKRZ, GWDG

- Operation of EOSC services



■ Germany

- Rfii (Rat für Informationsinfrastrukturen) proposes NFDI (Nationale Forschungsdateninfrastruktur)

- Recommendations: <http://www.rfii.de/?wpdmdl=1998>

- Discussion paper: <http://www.rfii.de/?wpdmdl=2269> (community driven !)

- BMBF call might be published soon