



SLA-Ready Impact Workshop

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The European Cloud Initiative

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European Cloud Initiative – Policy Context range of related policies

- European Cloud Computing Strategy [COM(2012) 529]
- Data-driven Economy [COM(2014) 442]
- Digital Single Market package [COM(2015) 192]
- Digitising European Industry package [COM(2016) 180]
- **European Cloud Initiative** [COM(2016) 178]
- ICT Standardisation [COM(2016) 176]
- eGovernment Action Plan [COM(2016) 179]
- Future: *data economy package*.

Digital Single Market

Enhance the Digital Economy
Cloud computing & other data services

**Free flow
of data
initiative**

**European
cloud
initiative**

**Interoperability
and
standardisation**

**e-Government
action
plan**

European Cloud Initiative - Overview

■ **European Open Science Cloud (EOSC)**

- Development of cloud-based services for Open Science and data-sharing;
- Integration and consolidation of e-infrastructures;
- Federation of existing research infrastructures and science clouds;

■ **European Data Infrastructure (EDI)**

- Development and deployment of large-scale European high-performance computing, data and network infrastructures;
- Underpinning EOSC, big data, industry, public sector.

■ **Widening access and user base**

- Research and innovation, SMEs, Industry at large, Government

Cloud Computing

Need for: network and data centre infrastructure, **cloud**, service ecosystem.

► **Cloud is an enabler: the whole > sum of its parts.**

- **Technology:** virtualisation, elasticity, load-balancing, access control, federated ID, security, different ecosystems, etc
- **Organisational:** contracts, service level agreements, payments, security agreements, data protection, user-support, etc.
- **Building on:**
 - European Cloud Strategy, EU/national/regional initiatives
 - Helix Nebula Science Cloud: major preparatory initiative for science
 - Cloud-for-Europe: major cloud initiative by the public sector
 - SLA-Ready
 - ...

H2020 WP2018-2020 preparation Cloud research and testbeds

Internal EC consultation



Several reports available at <https://ec.europa.eu/digital-single-market/en/news/consultation-cloud-computing-research-innovation-challenges-wp-2018-2020>