



Sessions on the Role of Procurement in the EOSC

Concluding remarks

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Session A: 11/4 14:30-16:00

- EOSCpilot project: Dilemmas for sustainability of the EOSC
- HNSciCloud project: results and lessons learned
- GEANT IaaS Framework Agreement: results and lessons learned
- ARCHIVER PCP: Archiving and Preservation for Research Environments

Session B: 11/4 16:30-18:00

- OCRE: stimulating the uptake of commercial digital services in European research
- EOSC-hub market research: initial results and next steps



- EOSC drivers, Service economy vs data economy
 - Open access to data -> data as public good -> commons management
 - (Some) dilemmas
 - Demand oriented funding vs long-term planning of infrastructures
 - Pure market approach: efficiency vs risk to erode publicly funded infrastructures
 - Top-down instruments to catalyse convergence at EOSC level vs visibility and of underpinning infrastructures
 - (Some) recommendations
 - Harnessing the power of the market, while respecting the culture and values of the research world
 - Make institutional commitments at the Member State-level for supply oriented funding models explicit and visible
 - Right funding instruments for the right activities (e.g. avoid project funding to support long term)
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- Scope: innovative IaaS cloud services integrated with procurers in-house resources to support a range of scientific workloads
 - Compute & storage, network, federated AAI, service payment models
- From 4 designs to 2 pilots, various deployment scenarios demonstrated
- Total Cost of Ownership for use cases in hybrid cloud model
- Validated
 - Aggregation model via buyers group
 - Voucher model as practical means to provide limited-scale access to commercial cloud services for end-users (supporting elements needed like: cost calculator, clear repatriation policies)

H2020 project
Started Jan 2016 x 3 years
<https://www.hnscicloud.eu/>



Goal

- Perform R&D to demonstrate long-term preservation and archiving services for scientific data in the PB range under F.A.I.R. principles, using commons solutions, while research groups keep total stewardship of their data sets
- Integrate the resulting services on the EOSC catalogue for broad availability

Deployment scenarios

- 12 identified, dimensions: PB data volume, retention period and data ingestion rate

Important dates

- Design phase (01-04/2019), prototype phase (06/19-01/20), pilot phase (03-11/21)
- Tender publication: Oct 2019

Open market consultation attended by:

- High interest from both supply and demand side: 76+42 participants, >26 companies

H2020 project
Started Jan 2019 x 3 years
<http://archiver-project.eu>

interested in acting as early adopter? Apply by 30 June 2019 omcinfo@archiver-project.eu
interested in bidding as supplier? Oct 2019 **(roles are mutually exclusive)**



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GEANT IaaS Framework: Results and Lessons Learnt

- Framework agreement established via pan-European tender for Cloud IaaS available to 40 NRENs and their 10,000 linked institutions
- Various commercial providers selected
- Valid until end 2020
- (Some) benefits: for institutions no need to run your own tender, payment scheme compatible with public admin (invoice-based billing), SAML authentication, peer with GEANT network, GDPR compliance,
- Developed also risk management and migration tools to support sourcing decisions
- Uptake: 18 countries, 300+ institutions, 13 million euro

- Goal: stimulate the adoption of commercial digital services by the European Research community
 - IaaS/PaaS/SaaS; Earth Obs. commercial services based on EU DIAS platform
- How: aggregate requirements and demand of the research community into a public procurement / tender, to establish ready-to-use agreements with capable cloud and earth observation suppliers
 - Support individual institutions and buyer groups to buy cloud resources
 - Make available €9.5 million in EC adoption funding to the research community to use cloud resources at these selected suppliers
- When:
 - July 2019: buyer groups established and draft tender document ready - **Oct 2019: launch tender**
 - Q1 2020: framework agreements signed by GÉANT with suppliers (valid for 4 years)

- Presented initial findings from demand-side market research to understand possible way forward for EOSC-hub in the area of procurement
 - Next steps
 - Agree collaboration with OCRE and other framework agreements
 - Provide inputs to tender requirements
 - Integration of commercial services in the EOSC portal
 - Explore the possible role to establish a group buyer role (demand aggregation and bulk purchase)
 - Support usage (e.g. via EOSC-hub Early Adopter Program)
 - Evaluate other possible roles:
 - Establish an advisory function to simplify sourcing decisions
 - Define frameworks to to simplify public-to-public service provision
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