Access to commercial services through EOSC – a practical approach

EOSC-Future WP8
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Access to commercial services

• Commercial digital services a standard part of researcher’s toolbox
  o e.g. infrastructure-cloud, collaboration services, earth observation data services, data management, visualisation, analytics, ...

• HNSci-Cloud, GN4, OCRE, EOSC-Future, GN5-1 (2012 – 2024)
  o Procure services, stimulate adoption, develop approach + processes
  o Infrastructure-cloud, Earth Observation data services
EOSC Exchange: European single marketplace for research services

- 1 million researchers
- 4000+ institutions
- 40+ countries

Delivery channels to researchers:
- Institutions, research infrastructures, Erics, eInfrastructures, NRENs, HPC centres, central EOSC portal, etc.

Gating process (Rules of Participation)

Commercial services

Core technical platform & interoperability framework (AAI, etc.)

Federation of Research Data

Public sector

+ Associated countries

service providers

Commercial services

EOSC Exchange

european single marketplace for research services

Federation of Research Data

EOSC

Core technical platform & interoperability framework (AAI, etc.)
value proposition
procurement compliant agreements
with research relevant services

INSTITUTION
need commercial service?
Check EOSC portfolio
good to go - good conditions

RESEARCHER
need commercial service?
Check EOSC portfolio
good to go – good conditions

INTERMEDIARY AGGREGATORS
need commercial service?
no-complexity access through us

WHOLE EOSC COMMUNITY
do together what is hard to do alone
do once what needs to be done 1000s or dozens of times

Digital sovereignty:
Use our collective bargaining power for strategic purposes
EOSC is big: 1000s institutions, 1 million researchers

- Which services to procure?
- How to assess demand and requirements, at scale?
- What type of procurement vehicle to use?
  - Framework agreements
  - Dynamic purchasing system: more flexibility, harder to scale
  - Pre-commercial procurements, stimulate new service development
- Procuring for EU + Associated Countries
- How to get the services to the researchers who need them?
  - Channel to the user, channel to the bill-paying customer
- Financing
  - Assess & aggregate demand, procure, deliver contracts, repeat
  - Service consumption by researchers: self-financed (bill), pre-paid?

Each service area:
- 1-2 years
- €1 million/year

Assess demand
Deliver Contracts
Aggregate demand
Procure
EOSC Exchange
European single marketplace for research services

delivery channels to researchers:
- institutions
- research infrastructures
- ERICs
- eInfrastructures
- NRENs
- HPC centres

Procurement-compliant agreements with research-relevant commercial services

Federation of Research Data

strategic portfolio management, governance

gating process for commercial services: procurement

gating process (Rules of Participation)

research project

Procurement-compliant agreements with research-relevant commercial services

EOSC Exchange marketplace for research services

Federation of Research Data

Cor
interoperability framework
(AAI etc.)

service providers
Current portfolio of commercial services

- Procurement-compliant IaaS+ framework agreements (OCRE, GN4-3)
- R&E conditions
  - No data egress fees, AAI, discounts, consultancy, and more.
  - CERN testing toolkit applied
- Ca. 25 platforms, including American hyperscalers
- Available to 1000s of legal entities in 40 (*) countries
- Sign the contract and you’re good to go
Now: EOSC Future Adoption Funding call

- Developing channel to the one million users: use aggregators?
  - Well-established channels to users, in-context
  - HPC centres, ERICs, Rls, regional+national+European eInfrastructures, etc
  - Long term collaboration for joint/shared service provisioning

- Mini-competition: aggregators to team up with OCRE suppliers
- OCRE supplier submits the proposal, bid deadline 15 December 2022
- Limited to aggregators in EU + UK (VAT and GA particulars)

**Awarding criteria:**
1. Service Distribution Mechanism
2. Execution plan – Roles; Responsibilities; Timeline
3. Sustainability – Mechanism; Top-up funding; Researcher access
4. Value for money (bidder/aggregator investment)
Next steps?

- EOSC-Future delivers tested concept: a practical approach with processes, contract templates etc.
  - One or two Adoption Funding Calls
  - Better strategies for assessing demand and getting agreements to researcher
- Integrate concept in EOSC-Exchange financial scenario EOSC-A Financial Sustainability TF
- Longer term operationalisation of the concept?
  - Outcome of discussion on operational structure and governance EOSC
  - Self-financing joint procurement IS an option, contact us
- Reprocurement of infrastructure-cloud (OCRE agreements) in GN5-1 (2023-2024)
  - Current agreements expire November 2024, new agreements ETA fall 2024
Thank you. Questions, contact?

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Experiences so far

• GN4, OCRE -> IaaS, EO data services
  o 40 countries etc. (map)
  o Learned joint European procurement – at scale

• Made IaaS services available to 1 million researchers at 1000s institutions, self-financed

• Funding was available to stimulate uptake, gave insight in what researchers (want to) do with these services
  o Experiements to investigate pre-financed
    ▪ Hsnicloud, ocre, eosc future