
EOSC MVE Operational Costs and Sustainability Study

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Funding model

- ★ Note the EOSC Association membership fees cover the cost of running the Association, **not** the cost of operating EOSC!
- ★ European Partnerships are initiatives where the EU together with private and/or public partners commit to jointly support the development and implementation of a programme of research and innovation activities
- ★ It will be necessary to determine and monitor the contributions to be made by EOSC Association members

Funding model - EOSC-Core

★ EOSC-Core

- The EC will fund the EOSC-Core via INFRAEOSC-03-2020 project for the period 2021-2023
- During this period more precise information about the operational costs of EOSC-Core must be collected and analysed
- Taking into account information gathered about costs and usage, the EOSC Association should propose a cost-sharing mechanism and timetable for stakeholder financial contributions to be progressively increased over a number of years

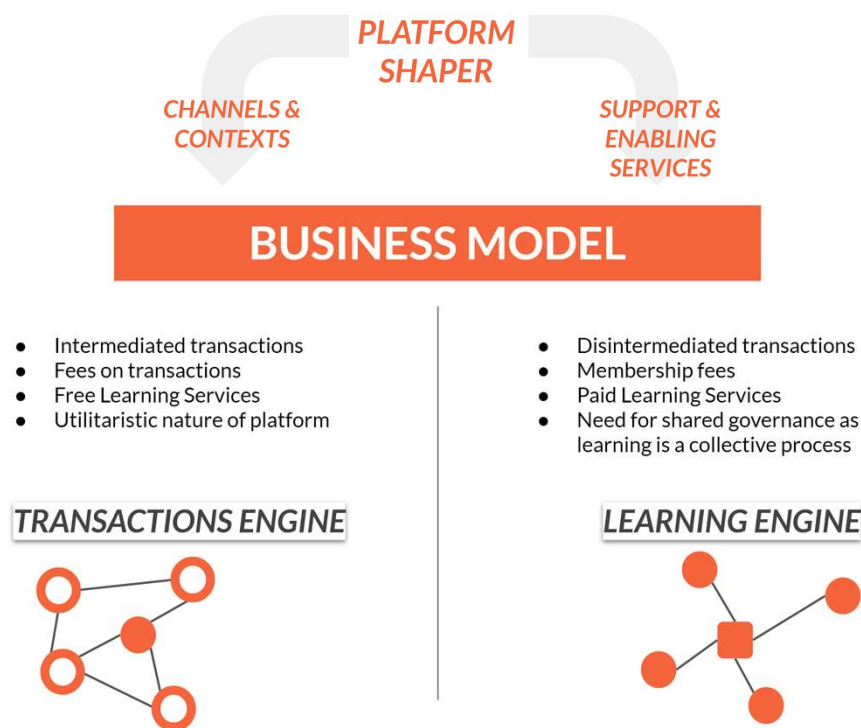
★ EOSC-Exchange

- Costs of operating EOSC-Exchange (but not the cost of operating the services it contains) will be included in the EOSC-Core funding model
- Funding EOSC-Exchange services will be the responsibility of the operating organisations
- Services made available via EOSC-Exchange may be available free of charge or against payment (but still free at the point of use)

The added value of EOSC for RIs

The MVE is considered as an ecosystem to be sustained by a combination of platform business models.

Two families of business models need to co-exist, potentially applied to different sides of the platform or targeting different clusters of roles and players, in order to sustain EOSC.



Use Case Examples – made possible by EOSC

USE CASE A

Accessing the right research resource (dataset, outcome, publication) or a supporting service in the specific domain (i.e. vertical scientific research support, think about Haddock, OpenAIRE, Climate Change, Earth Observation data, etc), finding the right and useful datasets or services that can support the research activity, and finding exploitation services that can help the researcher to publish research outcomes in an interoperable format (i.e. Elixir, ESFRI, etc.). ***The PLATFORM will mainly act as an integrator, or a translator.***

USE CASE B

Accessing and finding the right, most useful services and general resources in international research activity, in case my research organisation hasn't the right or enough resources I need in my research, and/or join or launch a pan-european research. ***The PLATFORM will mainly act as a trusted mentor and procurement/architecture/accounting specialist.***

Costings Overview

- Service Providers & Aggregators consulted on mapping to Tinman Services
- Clear need for Metadata Framework service which is not currently available
- Costs split into Personnel, Equipment, Services and others
- Most costs currently covered by ongoing projects under H2020 and supported by national infrastructures
- Ongoing work to determine total costs per annum for normal operations and not for development
- Current total (seen as too low) stands at roughly 7 million Eur for EOSC Core Services

Provisional Recommendations

- Awareness raising within the research communities of what is EOSC Core and clear mapping of services
- Clear explanation of what constitutes cost based accounting and engagement of the right individuals within the relevant stakeholders
- Virtual Access a step in the right direction but needs improvement
- EOSC requires Service Provider Aggregation
- Consider EOSC as a whole
- EOSC as a “super” platform
- Data Stewardship and Data Driven policy making

On going work of the study

- A finalised mapping of services and costs for EOSC-Core
- An overview of the typology of public funding instruments and mechanisms that could be used to fund the Minimum Viable EOSC (MVE)
- A more comprehensive business model for the whole of EOSC including the input of the funders with national funding schemes identified
- Additional use cases for the MVE and not only for EOSC Core
- A pricing model that could be utilised for the delivery of EOSC Services
- Sustainability Model Workshop – Monday 12th 10-12am