

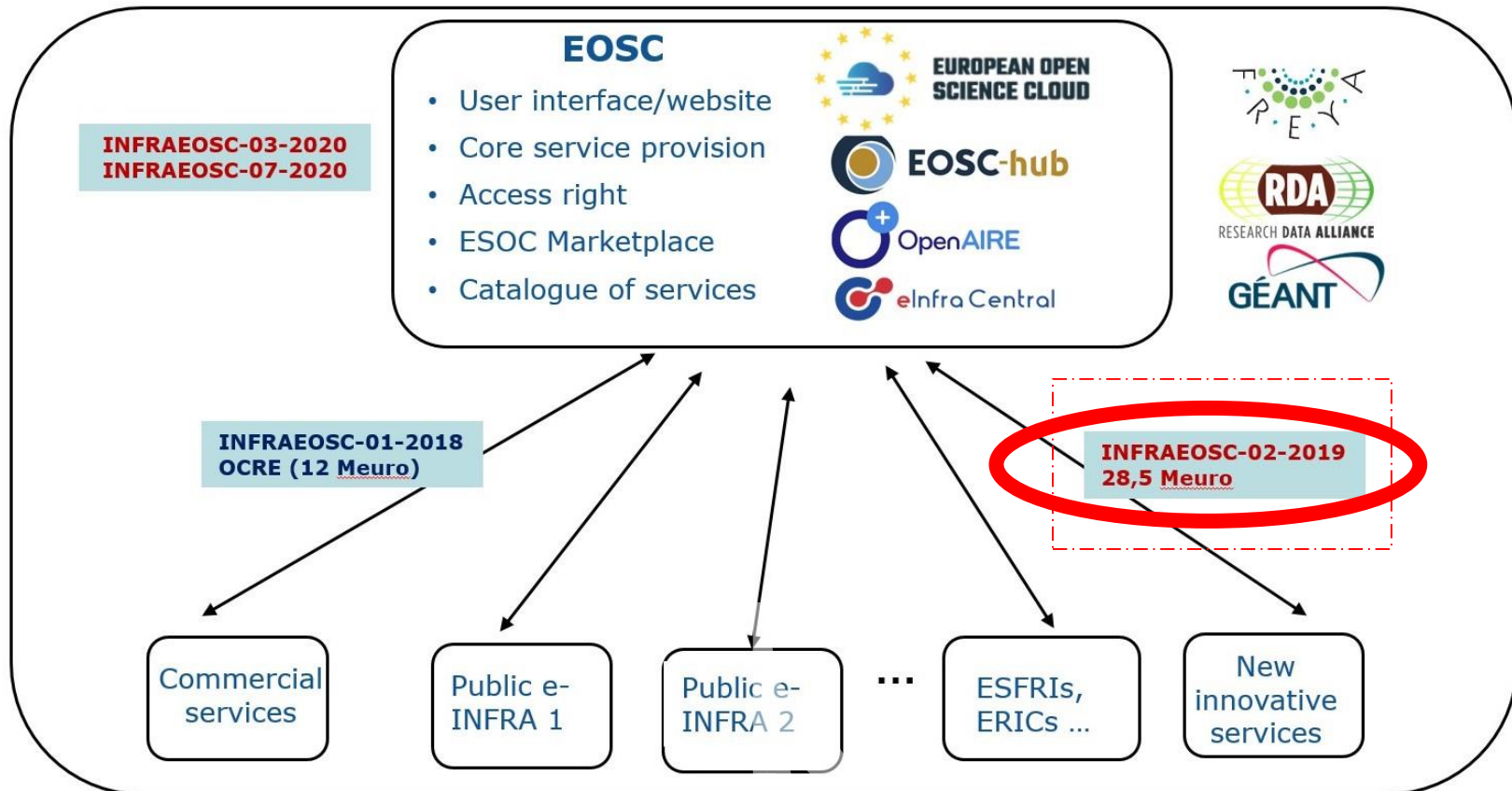


EUROPEAN OPEN SCIENCE CLOUD UPDATES AND NEXT STEPS



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The EOSC from e-infrastructures perspective



Overview of the call

Topic	Title	Type of Action	Total Budget
INFRAEOSC-02-2019	Prototyping new innovative services	RIA	28.5M€



Topic: INFRAEOSC-02-2019

Title: Prototyping new innovative services

Challenge: Develop an agile, fit-for-purpose and sustainable service offering accessible through the EOSC hub that can satisfy the evolving needs of the scientific community by stimulating the design and prototyping of novel innovative digital services. Innovative models of collaboration that genuinely include incentive mechanisms for a user oriented open science approach should be considered.

- Scope:**
- Actions that target **gaps in the service offering of the EOSC hub** and develop innovative services that address relevant aspects of the research data cycle (from inception to publication, curation, preservation and reuse), e.g. allowing implementation of new scientific data-related developments and intelligent linking and discovering of all research artefacts.
 - **By the end of the project** the services should be leveraged to foster interdisciplinary research, **servicing a wider remit of research needs, as well as new users like industry and the public sector.**
 - The services should be based on systems and technologies that have reached **TRL 6 before the start of the project and will be brought to at least TRL 8** by the end of the project.
 - Proposals should demonstrate **how the resulting services complement**, enrich and could potentially **be integrated into the EOSC hub.**
 - Proposals retained for funding under this topic should take due consideration of any **accessibility requirements** set under the projects funded under EINFRA-12-2017 topic that may be available at the time the call will be open.
 - Consortia are encouraged to include **SMEs.**

Type of Action:

RIA

Submission opening:

16/10/2018

Submission deadline:

29/01/2019

Budget:

€28.5M

Suggested contribution requested per proposal:

€5-6M



Topic: INFRAEOSC-02-2019

Title: Prototyping new innovative services

Impact:

- Integrating **co-design into research and development of new services** to better support scientific, industrial and societal applications benefiting from a strong user orientation;
- Supporting the objectives of Open Science by **improving access to content and resources, and facilitating interdisciplinary collaborations;**
- Fostering the innovation potential by opening up the EOSC ecosystem of e-infrastructure service providers **to new innovative actors.**

Type of Action: RIA
Submission opening: 16/10/2018
Submission deadline: 29/01/2019

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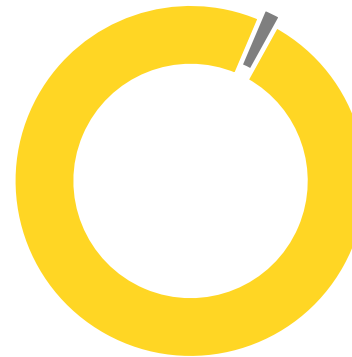
Budget: €28.5M
Suggested contribution requested per proposal: €5-6M

CS3MESH4EOSC

Interactive and agile/responsive sharing mesh of storage, data and applications for EOSC

CS3MESH4EOSC empowers service providers in delivering state-of-the-art, **connected infrastructure** to boost effective **scientific collaboration** across the entire federation and data sharing according to FAIR principles

The project delivers the **core** of a scientific and educational infrastructure for **cloud storage services** in Europe through a **lightweight federation of existing sync/share services (CS3) and integration** with multidisciplinary application workflows.



Overall budget:
€5 956 696,25

EU contribution:
€5 858 571,25

Start date
1 January 2020

End date
31 December 2022



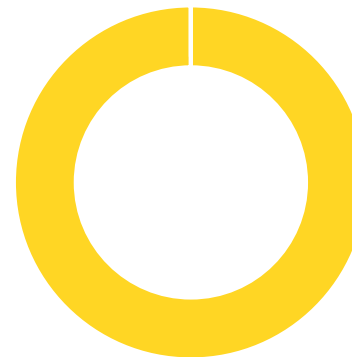
Coordinated by:
**European Organization for
Nuclear Research (CERN)**

NEANIAS

Novel EOSC services for Emerging Atmosphere, Underwater and Space Challenges

NEANIAS will drive the **co-design, delivery, and integration into EOSC of innovative thematic services**, derived from state-of-the-art research assets and practices in three major sectors: **underwater research, atmospheric research and space research**, and enable the transition of the respective community to the **EOSC concept and Open Science principles**

It will play active role in the materialization of the EOSC ecosystem by efficiently **engaging large scientific and professional communities**.



Overall budget:
€5 597 025

EU contribution:
€5 597 025

Start date
1 November 2019

End date
31 October 2022



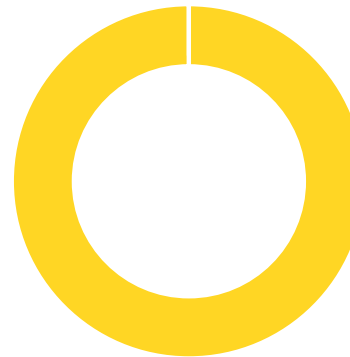
Coordinated by:
**Ethniko Kai Kapodistriako
Panepistimio Athinon**

INODE

Intelligent Open Data Exploration

INODE aims to allow users should **interact** with data in a more **dialectic** and **intuitive** way similar to a dialogue with a human. To achieve this, INODE will offer a suite of **agile, fit-for-purpose and sustainable** services for exploration of open data sets.

The service offering is formed by and will initially respond to the needs of large and diverse scientific communities brought by **three use case providers**: (a) Cancer Biomarker Research, (b) Research and Innovation Policy Making and (c) Astrophysics.



Overall budget:
€5 732 000

EU contribution:
€5 732 000

Start date
1 November 2019

End date
31 October 2022



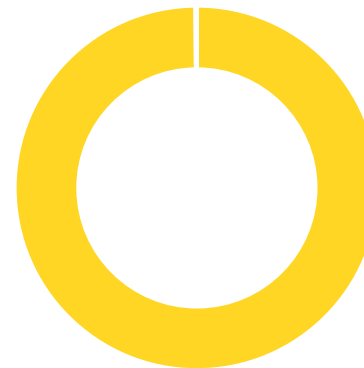
Coordinated by:
**Zurcher Hochschule Fur
Angewandte Wissenschaften**

TRIPLE

Transforming Research through Innovative Practices for Linked interdisciplinary Exploration

TRIPLE develops a full **multilingual** and **multicultural** solution for the **discovery** and the **reuse** of **SSH** resources.

The TRIPLE platform provides a **360° discovery experience** and a variety of **connected innovative tools** to support research. It provides all necessary means to **build interdisciplinary projects** and to develop **large-scale scientific missions**.



Overall budget:
€5 630 055

EU contribution:
€5 630 048,75

Start date
1 October 2019

End date
31 March 2023

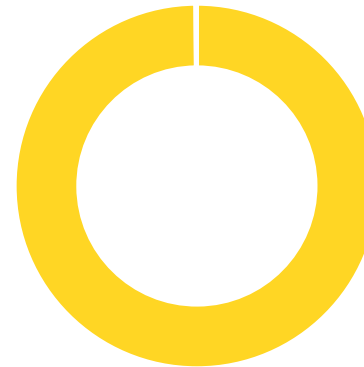
Coordinated by:
 **Centre National de la
Recherche Scientifique
(CNRS)**

COS4CLOUD

Transforming Co-designed Citizen Observatories Services for the EOS-Cloud

COS4CLOUD will integrate citizen science in the EOSC through the co-design of **innovative services** to solve challenges faced by citizen observatories, while bringing **Citizen Science** projects as a service for the scientific community and the society and providing **new data sources**.

Novel digital services will be developed through the **integration** of CS products, generated by different providers, following open standards to ensure their **interoperability**, and offered through the **EOSC hub** to both **traditional** and **citizen scientists**.



Overall budget:
€5 999 055,75

EU contribution:
€5 999 055,75

Start date
1 November 2019

End date
28 February 2023



Coordinated by:
**Agencia Estatal Consejo
Superior Deinvestigaciones
Cientificas**

H2020-INFRAEOSC-2019-2

The selected proposal

- 15 partners
- 1 December 2019 – 30 November 2021, € 2M
- The project will improve and enhance the discoverability of scientific services and data resources by further developing and widening the EOSC catalogue through 4 key objectives:



• Enhance the **service provider interface and incorporate new services and resources** into the EOSC catalogue.



• Accelerate the **deployment and uptake** of EOSC services and resources.



• Increase **user demand** for EOSC services and resources via portal improvements and development.



• Enabling easier access to **thematic clouds services and data**.

EOSC Concertation Meeting

- On 9-10 September 2019, the Commission organized a workshop in Brussels to discuss the future of the EOSC with over 30 current EOSC related projects of DGs CNECT and RTD and the EOSC Executive and Governance Boards.
- The meeting was the first of its kind, and allowed for a dynamic exchange between all participants to identify synergies, areas for improvement and to prepare joint activities to benefit the whole EOSC community.



EOSC Concertation Meeting: Key Conclusions

- **User requirements** should guide the development of EOSC through an open and transparent process.
- The **added value of EOSC** relies on a serious and reliable AAI system, services to facilitate the discoverability and use of data and computing resources, availability of on-demand compute and storage capacity, common data repository for long-term preservation of data, high speed connectivity for efficient data transfer, and alignment with Euro High Performance Computing (HPC) for processing big data sets.
- EOSC should first prioritise availability and **access to data, interoperability and federation** and provide generic core services.
- On **governance**, EOSC should provide a clear framework with identified priorities and guidance at both EU and Member State level. This will require a strong coordination process.
- **Sustainability and business models, rules of participation** should be addressed. Efforts should be channelled into building an **EOSC brand** through targeted communication and outreach activities.

Thank you for your attention