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L'ÉVOLUTION DE L'EOSC

[Volker Beckmann](), chargé de mission EOSC au DGRI / SSRI / A7

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Évolution de l'EOSC dans son contexte

- Transformation numérique et EOSC
- EOSC dans Horizon Europe
- EOSC au-delà d'Horizon Europe
- Évolution à tous les niveaux : Européen, national et institutionnel

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24/01/2023

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Faire partie de la transition numérique : une nécessité

- Besoin fortement accru de données, de services et d'e-infrastructures FAIR dans tous les domaines de recherche
- Nous sommes dans la "Digital Decade".
- De nouveaux progrès ne sont possibles que si les données (et les services) sont FAIR par conception
- Partage et concentration des ressources (RH, e-infrastructures, financement, ...)

European Commission

Home > Strategy > Priorities 2019-2024 > A Europe fit for the digital age

A Europe fit for the digital age

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4   24/01/2023

Transition numérique : comment procéder ?

- Mutualisation : identifier les e-infrastructures clés, les acteurs clés, concentrer les flux de financement
- Fournir des solutions pour la longue traîne de la science, ateliers des données, catalogue des métadonnées, … : Research Data Gouv (RDG)

EOSC (European Open Science Cloud):
- Développe des solutions dans les projets financés par l'UE (HORIZON-INFRA-EOSC)
- augmenter l'offre de services de l'EOSC (EOSC-Future, procurement, EOSC-Association)
- Assurer la durabilité au niveau européen, national et institutionnel

Transition Numérique en France — préparation feuille de route 2023

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EOSC : European Open Science Cloud

Qu'est-ce que l'EOSC ?

- ***Web of FAIR* research data and services***
- Accès pour tous les chercheurs européens aux données scientifiques, e-infrastructures et services
- Relier les données / services / infrastructures existants
- Pensez à l'EOSC comme une **interface**
- *Free at point of use*
- L'EOSC va répondre à vos **besoins** de services et données ouvertes, équitables et partagées.

"The EOSC is fully aligned with the French strategies on digital transition and on Open Science. EOSC is part of our Open Science strategy, the French National Plan for Open Science*,* as expressed in 2018 and 2021, which explicitly encourages the structuration of the French research landscape along with the EOSC. We also underline the importance of the EOSC infrastructure to support Open Science in the context of our national strategy on data, algorithms and source codes. Open Science needs services and infrastructures it can be build upon, it needs skills and knowledge to facilitate the whole research data lifecycle, it needs capacity to host services and data."

Cyril Moulin, Adjoint à la Directrice Générale de la Recherche et de l'Innovation au MESR

*FAIR : Findable, Accessible, Interoperable, Reusable

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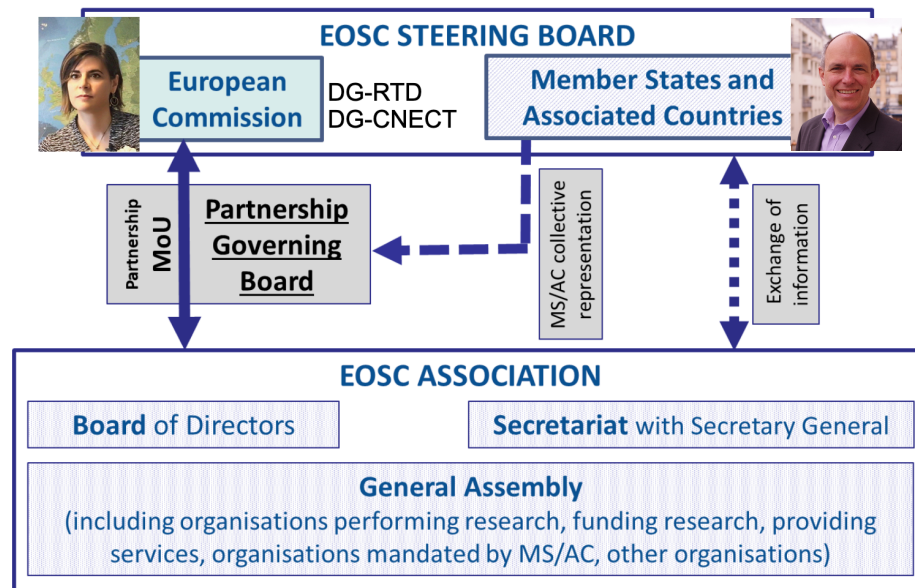ET DE LA RECHERCHE
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EOSC est un partenariat

- Un des 12 partenariats coprogrammés cadre *Horizon Europe*

- 3 partenaires: Commission Européenne, Etats membres, EOSC Association

Les partenaires s'engagent :

- Commission Européenne : ~490 M€ dans Horizon Europe (2021-2027) pour l'EOSC

- EOSC Association : fournit les services de l'EOSC (contributions *in-kind*), à un niveau ≥ de la contribution financière de la CE.

- États membres : soutenir l'EOSC par le développement de politiques*, le financement d'infrastructures et d'organisations pertinentes pour l'EOSC, l'aide à la coordination de l'EOSC au niveau national et européen.

EOSC STEERING BOARD

European Commission — DG-RTD DG-CNECT — Member States and Associated Countries

Partnership MoU

Partnership Governing Board

MS/AC collective representation

Exchange of information

EOSC ASSOCIATION

Board of Directors — **Secretariat** with Secretary General

General Assembly
(including organisations performing research, funding research, providing services, organisations mandated by MS/AC, other organisations)

* par ex. : Plan national pour la science ouverte 2021 - 2024 : vers une généralisation de la science ouverte en France

Direction générale de la recherche et de l'innovation (DGRI), Service de la Stratégie de la Recherche et de l'Innovation (SSRI), Département Services et Infrastructures Numériques (A7)

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Horizon Europe EOSC Work Program 2023

Ouverture: 06/12/2022; Date limite: **9 mars** 2023

Topic HORIZON-INFRA-2023-...	Titre	Type	Budget total [M€]	#projets
EOSC-01-01	Build on the science cluster approach to ensure the uptake of EOSC by research infrastructures and research communities	RIA	25	1
EOSC-01-02	Development of community-based approaches for ensuring and improving the quality of scientific software and code	RIA	8	1
EOSC-01-03	Planning, tracking, and assessing scientific knowledge production	RIA	8	1
EOSC-01-04	Next generation services for operational and sustainable EOSC Core Infrastructure	RIA	10	1
EOSC-01-05	EOSC Architecture and Interoperability Framework	CSA	3	1
EOSC-01-06	Trusted environments for sensitive data management in EOSC (expansion to resources provided by public authorities, including national agencies, in highly sensitive areas, like the health sector, governmental statistics or geo-spatial applications)	RIA	15	3
2023-EOSC-01			69	8

Work programme for 2023/2024

Direction Générale de la Recherche et de l'Innovation (DGRI), Service de la Stratégie de la Recherche et de l'Innovation (SSRI), Département Services et Infrastructures Numériques (A7)

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Horizon Europe EOSC Work Program **2024**

Ouverture: 06/12/2023; Date limite: 12 mars 2024

Topic HORIZON-INFRA-2024-…	Titre	Type	Budget total [M€]	#projets
EOSC-01-01	FAIR and open data sharing in support of the mission **adaptation to climate change**	RIA	16	2
EOSC-01-02	Supporting the **EOSC Partnership** in further consolidating the coordination and sustainability of the EOSC ecosystem	CSA	4	1
EOSC-01-03	Enabling a network of EOSC **federated and trustworthy repositories** and enhancing the framework of generic and discipline specific services for data and other research digital objects	CSA	5	1
EOSC-01-04	Long-term access and preservation infrastructure development for EOSC, including data quality aspects	RIA	8	1
EOSC-01-05	Innovative and customizable services for **EOSC Exchange**	RIA	28	4
2024-EOSC-01			61	9

Work programme for 2023/2024

Direction Générale de la Recherche et de l'Innovation (DGRI), Service de la Stratégie de la Recherche et de l'Innovation (SSRI), Département Services et Infrastructures Numériques (A7)

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Horizon Europe EOSC Work Program 2024

Ouverture: 06/12/2023; Date limite: 12 mars 2024

Topic HORIZON-INFRA-2024-...	Description non exhaustive
EOSC-01-01 RIA **16 M€** 2 projets prévu	FAIR and open data sharing in support of the mission **adaptation to climate change** Expected outcome: • **Seamless interactions between EOSC, operational data spaces or environments** (e.g. the DRMKC Risk Data Hub, the European Climate Adaptation Platform (Climate Adapt, relevant Copernicus Services, the GEOSS Portal, the EOSC platform, etc.), researchers and other stakeholders contributing to adaptation to climate change to store, share, access, analyse and process research data and other research digital objects from their own discipline, across research infrastructures, disciplines and national borders; • Open and FAIR data is the new norm for research contributing to adaptation to climate change; • **EU-wide sharing of research data** relevant to this area is shown to be a critical mechanism to facilitate climate adaptation across Member States and Associated Countries with involvement of the regions and local authorities; • EOSC grows into a **trusted research and innovation data space and service platform** in Europe that articulates with the **Green Deal data space** and supports the interdisciplinary research community involved in mission climate adaptation • Contribute to the Horizon Europe EOSC Partnership and other relevant partnerships related to adaptation to climate change.

Horizon Europe EOSC Work Program 2024

Ouverture: 06/12/2023; Date limite: 12 mars 2024

Topic HORIZON-INFRA-2024-...	Description non exhaustive
EOSC-01-02 CSA **4 M€** 1 projet prévu	Supporting the **EOSC Partnership** in further consolidating the coordination and sustainability of the EOSC ecosystem Expected outcome: • EOSC increases the level of coordination of national and European initiatives, creating mechanisms of mutual learning, replication of best practices and joint activities. This expected outcome will be achieved mainly through **financial support to third parties** in the form of cascading grants [**1 M€ for grants up to 100 k€**]; • EOSC increases the level of coordination and directionality among EOSC-related initiatives and Horizon Europe funded actions, ensuring a more proactive and impactful approach towards attaining the SRIA objectives. This expected outcome will be achieved through targeted financial support to third parties in the form of cascading grants; • Step forward towards a more sustainable EOSC that enables smooth transnational access to data and services, trough the test and implementation of coherent business models; • Facilitated **access to information to and from all EOSC stakeholders** across countries, institutions, networks and initiatives is increasingly enabled.

Horizon Europe EOSC Work Program 2024

Ouverture: 06/12/2023; Date limite: 12 mars 2024

Topic HORIZON-INFRA-2024-...	Description non exhaustive
EOSC-01-03 CSA **5 M€** 1 projet prévu	Enabling a network of EOSC **federated and trustworthy repositories** and enhancing the framework of generic and discipline specific services for data and other research digital objects Expected outcome: • A **European network of trustworthy repositories** is established that will enhance the EOSC ecosystem, contribute to the consolidation of Open Science practices and support European researchers. • The concept and **requirements of trustworthy repositories are harmonised** and therefore support the European funders in better addressing the Open Science provisions in their programmes • Data depositing ecosystem in Europe are adequately supported, providing a **common voice for research digital repositories** to better interact with the research and innovation policy making and to respond in a more coordinated and cohesive manner to the need of the European researchers. Synergies and complementarities should be sought with projects funded under the topics HORIZON-INFRA-2021-EOSC-01-05, and should continue to build on outcomes from the Horizon 2020 project FAIRsFAIR. Close cooperation is also expected with the projects funded under the topics HORIZON-INFRA-2023-EOSC-01-01, and HORIZON-INFRA-2024-EOSC-01-04.

Horizon Europe EOSC Work Program 2024

Ouverture: 06/12/2023; Date limite: 12 mars 2024

Topic HORIZON-INFRA-2024-…	Description non exhaustive
EOSC-01-04 RIA **8 M€** 1 projet prévu	Long-term access and preservation infrastructure development for EOSC, including data quality aspects Expected outcome: • **Practices, standards and tools for long-term preservation** are mainstreamed in the EOSC ecosystem. • The emergence of a European **distributed infrastructure for long-term preservation** and access is adequately supported. • The sustainability of long-term preservation among the European scientific community is significantly enhanced Align with the EOSC Partnership and coordinate and collaborate with the projects funded under the topic HORIZON-INFRA-2024-EOSC-01-03 with regards to the interconnection of repositories and other archiving infrastructure, and with the projects funder the topic HORIZON-INFRA-2023-EOSC-01-02, especially with regards to the quality dimension explored under that topic

Work programme for 2023/2024

Horizon Europe EOSC Work Program **2024**

Ouverture: 06/12/2023; Date limite: 12 mars 2024

Topic HORIZON-INFRA-2024-...	Description non exhaustive
EOSC-01-05 RIA **28 M€** 4 projets prévu	Innovative and customizable services for **EOSC Exchange** Expected outcome: • Next generation EOSC provides researchers with the means to **easily access complete datasets and analysis platforms and provide services** that support reproducibility, as well as ensuring long-term preservation and long-term availability of these research data and tools. • Ecosystem of **novel tools and services, as many new FAIR-by-design datasets as possible**, whereby researchers are able to deliver much more rapidly the outputs of each part of the research lifecycle, including data and software, with the same level of precision as they deliver publications today • Enhanced services and tools for researchers to lower the bar and underpin the **initial research planning and preparation phase** (i.e. entry phase) of the research lifecycle. Participation of the private sector, in particular SMEs, is recommended for both the development and further exploitation of the project result

Work programme for 2023/2024

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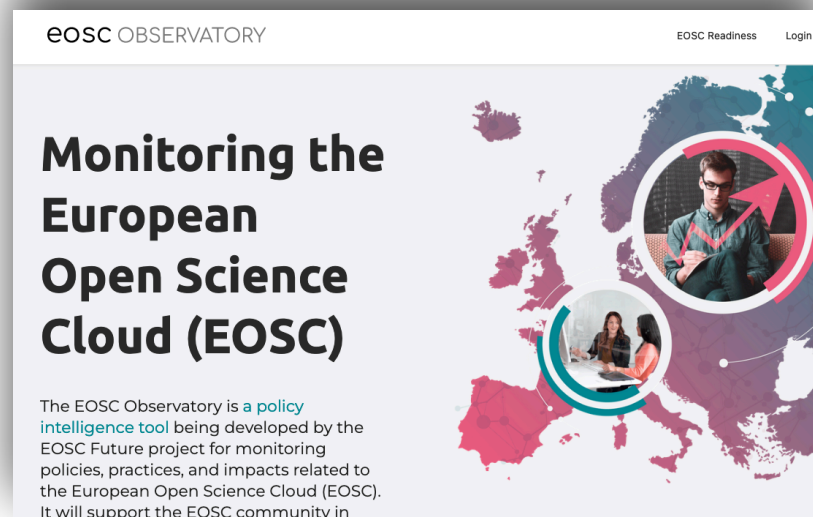ET DE LA RECHERCHE
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Autres options de financement : Simpl

- Simpl is the smart middleware that will enable cloud-to-edge federations and support all major data initiatives funded by the European Commission, such as common European data spaces.

- Covering a broad range of cases from sectoral data spaces (e.g. Agriculture, Genomics, Energy, Mobility) to Destination Earth, and from AI-on-demand to the European Open Science Cloud.

- Simpl will ensure that data sets and their infrastructures can be seamlessly interconnected and made interoperable.

- Simpl is funded through the DIGITAL Work Programme (tender to be launched early 2023)

- https://digital-strategy.ec.europa.eu/en/news/simpl-cloud-edge-federations-and-data-spaces-made-simple

- See as well the set of clarifications about Simpl (updated November 2022)

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eosc | Steering Board

EOSC Steering Board : accomplissements

- *Opinion Papers* :
  - [EOSC and data literacy](#),
  - [EOSC and commercial partners](#),
  - [EOSC Sovereignty on FAIR Data](#),
  - [Monitoring Open Science](#)
- [EOSC-SB Statement 2022](#)

- Lancement de [EOSC Observatory](#)
- 19/01/2023: Lancement de la prochaine enquête
- couvrant un large éventail de politiques, d'investissements et d'impacts liés à l'EOSC et à la science ouverte.

eosc OBSERVATORY   EOSC Readiness   Login

Monitoring the European Open Science Cloud (EOSC)

The EOSC Observatory is a policy intelligence tool being developed by the EOSC Future project for monitoring policies, practices, and impacts related to the European Open Science Cloud (EOSC). It will support the EOSC community in

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EOSC en France

- EOSC : un pilier de la transition numérique en France

- coordonné par le Collège EOSC-France (depuis 02/2022) : représentants des organisations françaises* membres de l'association EOSC + ministère

- Collège EOSC-France fournit des conseils et propose des actions au Comité Pilotage Services et Infrastructures Numérique (CoPil-SIN)

- Lien fort entre les communautés et les décideurs
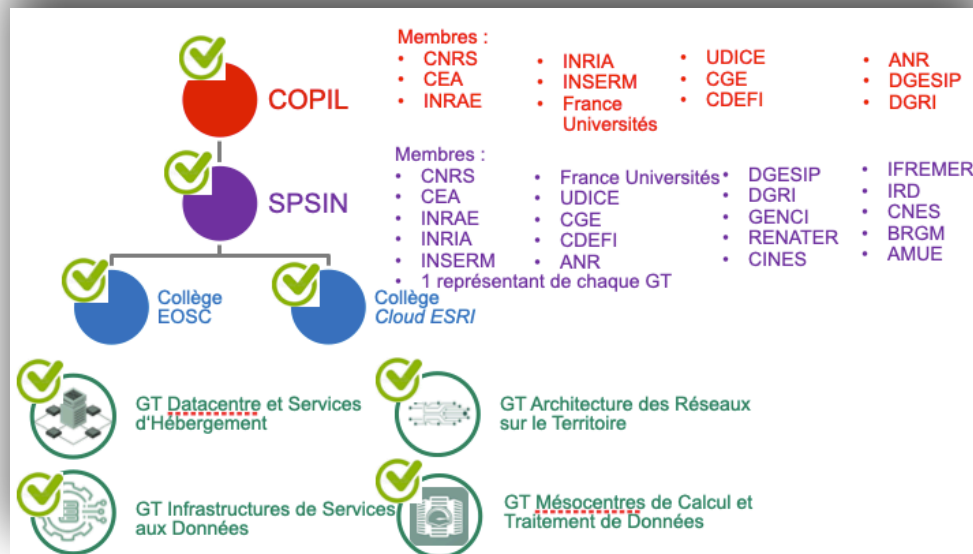
Comitologie Services et Infrastructures Numériques (CoSIN)
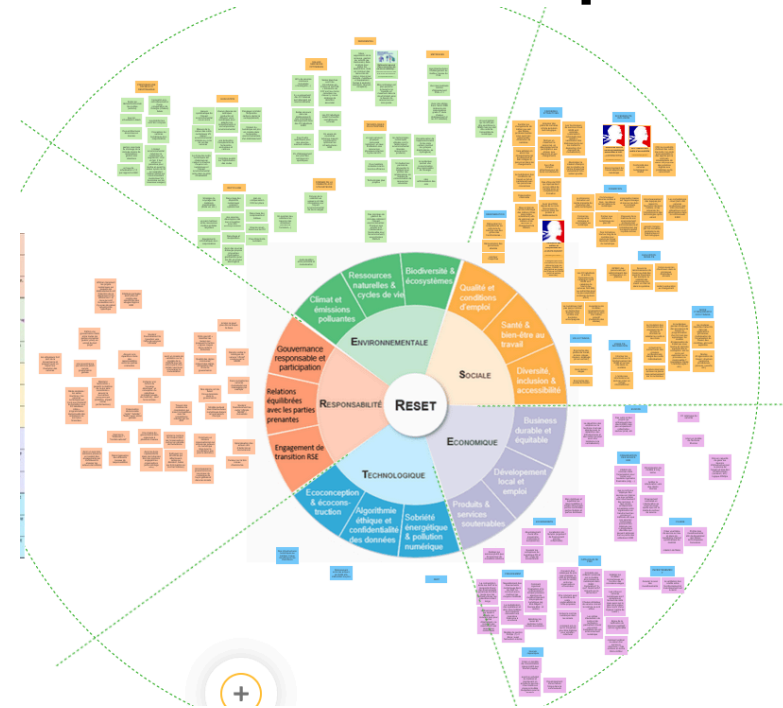
*Membres Collège EOSC-France: CEA, CINES, CNRS, France Universités, GENCI, IFREMER, ILL, INRAE, INRIA, INSERM, Observatoire Paris, RENATER, Soleil, Université de Bordeaux, Université de Montpellier, Université Paris Cité, Université Paris-Saclay, Université Strasbourg, CGE, Couperin, ANR, IRD, Sorbonne Université, Udice, Université de Univ. Lorraine, Nantes Université, Université Grenoble Alpes, Université Paris 1 Panthéon-Sorbonne, MESR/DGRI

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Feuille de route Services et Infrastructures Numérique 2023
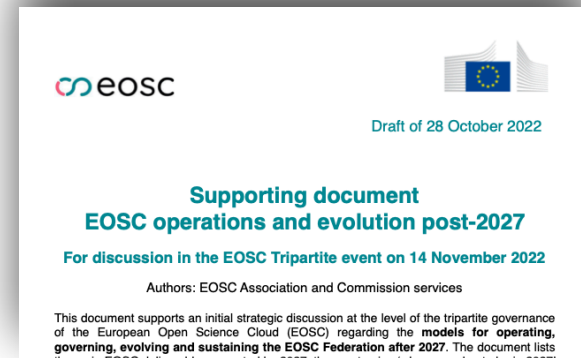
Thèmes à aborder et à décliner en actions chiffrées :
- Datacenters (régions, national ?)
- Réseau
- Fédération d'infrastructures et de services ESR
- SSI
- Participation de l'ESR dans la stratégie Cloud de l'Etat
- RH et conduite du changement

GT FdR

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EOSC après Horizon Europe

Draft of 28 October 2022

Supporting document
EOSC operations and evolution post-2027
For discussion in the EOSC Tripartite event on 14 November 2022

Authors: EOSC Association and Commission services

This document supports an initial strategic discussion at the level of the tripartite governance of the European Open Science Cloud (EOSC) regarding the **models for operating, governing, evolving and sustaining the EOSC Federation after 2027**. The document lists

Document préparé par l'EOSC-Association et la Commission européenne

1. De quelle gouvernance avons-nous besoin pour la fédération EOSC après 2027 ?
2. Quelles sources et quels outils de financement pour couvrir les opérations/ développement de l'EOSC ?
3. Devons-nous faire évoluer le partenariat actuel en FP10* ?

Comment poursuivre l'EOSC au-delà d'Horizon Europe ? La gouvernance ? Financement ?

*FP10: *Framework Programme 10*, le programme-cadre suivant Horizon Europe

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Où sommes-nous en 2027 ?

Document préparé par l'EOSC-Association et la Commission européenne

- Group 1: Open Science 'becoming normal': Policies, investment, catalogue of Open Science best practices, monitoring mechanism, …
- Group 2: enabling a Web of FAIR data for science: DMPs (standardised), FAIRification toolkits, pan-European network of EOSC-federated, trustworthy FAIR enabling repositories, network of data curators and competence centers.
- Group 3 : Minimum Viable EOSC: EOSC-Core and EOSC-Exchange (marketplace)

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EOSC après Horizon Europe

[Document préparé par l'EOSC-Association et la Commission européenne](#)

Modèles de gouvernance :
- No more partnership (partnership is transformed in a self-sustained, cross-border collaboration with the appropriate mandate)
- Renewed partnership (tripartite)

Modèles de financement possibles :
- co-programmed [partnership](#)
- co-funded partnership
- ERIC / [EDIC](#)
- private law bodies with a public service mission
- specific EU bodies: [Joint Undertaking](#)

Direction Générale de la Recherche et de l'Innovation (DGRI), Service de la Stratégie de la Recherche et de l'Innovation (SSRI), Département Services et Infrastructures Numériques (A7)

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EOSC en France : priorités

- Faire pression pour un développement rapide des politiques et actions de la Science Ouverte et du EOSC en France

- Viser des résultats tangibles d'ici **2025 : niveau institutionnel, national, européen**

  - intégration/fédération d'e-infrastructures dans le portail EOSC

  - renforcer la valeur ajoutée du portail EOSC

  - dépôt européen de données

- produire un catalogue français des services, qui sont prêts à être intégrés dans EOSC

- aider au processus de FAIRisation et d'intégration

- Travailler en étroite collaboration avec l'EOSC-Association, la CE et d'autres partenaires (e.g. ESFRI, e-IRG, EuroHPC)

EOSC is here to stay — there's no turning back!

European Open Science Cloud

Web of FAIR* research data and services

- vision, portail, communauté, partenariat
- programme de financement Horizon Europe ([HORIZON-INFRA 2023/2024](#))
- travail en cours >>> participer : utiliser et fournir les services EOSC
- prochaines étapes : résultats tangibles, intégration dans la feuille de route française, préparation d'un

  modèle durable dans le cadre du *Framework Programme 10* (après Horizon Europe)

Plus d'informations? Inscrivez-vous sous

https://groupes.renater.fr/sympa/info/eosc_france_info

volker.beckmann@recherche.gouv.fr

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Annexe

Direction générale de la recherche et de l'innovation (DGRI), Service de la Stratégie de la Recherche et de l'Innovation (SSRI), Département Services et Infrastructures Numériques (A7)

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Calendrier EOSC

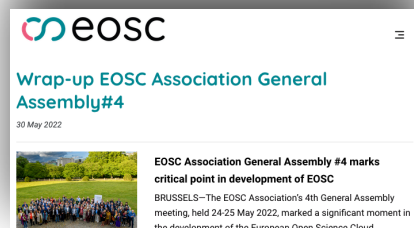| Date	Evénement
24-26/01/2023	Ateliers techniques EOSC-France (Strasbourg)
1-3/02/2023	Final TRIPLE Conference (Bonn)
22/02	EOSC Steering Board Meeting
09/03	Date limite propositions HORIZON-INFRA-2023-EOSC-01

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Documents clés d'EOSC

- Qu'est-ce que l'European Open Science Cloud / What is the EOSC

- EOSC en 7 questions

- EOSC Executive Board final progress report

- Results of the EOSC Working Groups (2019 / 2020)

- EOSC Strategic Research and Innovation Agenda (SRIA)

- EOSC Association Statutes

- Scholarly Infrastructures for Research Software

- ESFRI Science Clusters Position Statement on Open Science

- Horizon Europe Work Program for Research Infrastructures / EOSC

Journées
EOSC-France
4 / 5 Avril 2022

Direction Générale de la Recherche et de l'Innovation (DGRI), Service de la Stratégie de la Recherche et de l'Innovation (SSRI), Département Services et Infrastructures Numériques (A7)

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EOSC: Liens importants

- EOSC Portal
- EOSC Association
- EOSC Association Advisory Groups
- Journées EOSC-France, 4+5 avril 2022
- MESRI Horizon Europe web page
- European Commission EOSC page
- EOSC-Pillar
- EOSC-Future
- EOSC Symposium 2022

Direction Générale de la Recherche et de l'Innovation (DGRI), Service de la Stratégie de la Recherche et de l'Innovation (SSRI), Département Services et Infrastructures Numériques (A7)

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Horizon Europe EOSC Work Program **2023**

Opening: 06/12/2022; Date limite: 9 mars 2023

Topic HORIZON-INFRA-2023-...	Description non exhaustive
EOSC-01-01 RIA **25 M€** 1 projet prévu	Build on the science cluster approach (EOSC-Life, ENVRI-FAIR, ESCAPE, SSHOC, PaNOSC), to ensure the uptake of EOSC by research infrastructures and research communities Third party financing: **at least 18 M€**, with **100 - 250 k€** per third party grant (duration **12-24** months) Expected outcome: • Support all researcher communities across Europe to contribute to and benefit from a user-oriented EOSC; • Populate EOSC Exchange with FAIR data, horizontal services and thematic services of relevance to users in several scientific domains and beyond; • Develop and demonstrate through cascading grants concrete scientific benefits of open science and FAIR practices through cross-disciplinary use cases; • Increased alignment of operation of ESFRI and international RIs at the subdomain, domain and interdisciplinary levels in function of the progressive deployment of the EOSC Core, EOSC Exchange and EOSC sustainability models; • Provide feedback and requirements for the evolution of the EOSC ecosystem.

Horizon Europe EOSC Work Program **2023**

Opening: 06/12/2022; Date limite: 9 mars 2023

Topic HORIZON-INFRA-2023-...	Description non exhaustive
EOSC-01-01 RIA **25 M€** 1 projet prévu	Build on the science cluster approach (EOSC-Life, ENVRI-FAIR, ESCAPE, SSHOC, PaNOSC), to ensure the uptake of EOSC by research infrastructures and research communities Third party financing: **at least 18 M€**, with **100 - 250 k€** per third party grant (duration **12-24** months) Expected ...

"The open calls under this activity should respect the conditions laid out in Section B of the General Annexes, including transparency, equal treatment, conflict of interest and confidentiality.
Research infrastructures which are beneficiaries/ affiliated entities of the consortium awarded may exceptionally also be recipients of financial support to third parties.
Proposals must explain how they will ensure that such beneficiaries/affiliated entities are not involved in the selection procedure of the calls, in order to avoid conflicts of interest and maintain confidentiality."

Horizon Europe EOSC Work Program **2023**

Opening: 06/12/2022; Date limite: 9 mars 2023

Topic HORIZON-INFRA-2023-…	Description non exhaustive
EOSC-01-02 RIA 8 M€ 1 projet prévu	Development of community-based approaches for ensuring and improving the quality of scientific software and code Outcomes: • A framework of community curation is established and promoted that ensures quality of software and code across the different disciplines. • Infrastructure, tools and services are deployed that allow researchers to properly develop, describe with proper metadata, version, archive, share and reuse research software. • The notion of software quality is defined in the context of EOSC and builds upon established practices by the FAIR and other communities. • Baseline quality indicators along the notion of "minimum quality" are defined for the different types of digital objects targeted (software, code, etc), taking into account the concept of "fit for purpose". • The quality of research software, both from the technical and organizational point of view for research software is improved, both in general (e.g. software for data analysis) and in particular for software used in the services offered through EOSC. • Software is developed in a sustainable way and its reuse is maximised.

Horizon Europe EOSC Work Program **2023**

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Topic HORIZON- INFRA-2023-…	Description non exhaustive
EOSC-01-03 RIA 8 M€ 1 projet prévu	Planning, tracking, and assessing scientific knowledge production Proposals should address all the following activities, aimed at improving (list not complete!) : • Contribute to the standardisation and homogenisation of domain-agnostic elements in Data Management Plans (DMP) • Ensure the pervasive and comprehensive use of PIDs for preprints, publications, open peer-reviews, data, software, workflows, etc., and their interconnection with DMP standards; • Develop use cases and proof of concept instances of machine-actionability of DMPs, in alignment with developments of Scientific Knowledge Graphs (SKGs) • Automate the evaluation of DMPs (assessing their completeness and adequacy) through, e.g., semantic web technologies, building on new and existing DMP evaluation metrics (e.g., Science Europe evaluation rubric); • Develop and implement comprehensive interoperable SKGs and enhance the interoperability across SKG • Extend FAIR metrics guidance, tools, and models • Define a trusted governance to measure successful compliance with metrics/tests • Define minimum levels of FAIRness for a wide spectrum of digital objects

Horizon Europe EOSC Work Program **2023**

Opening: 06/12/2022; Date limite: 9 mars 2023

Topic HORIZON-INFRA-2023-…	Description non exhaustive
EOSC-01-04 [RIA](#) 10 M€ 1 projet prévu	Next generation services for operational and sustainable EOSC Core Infrastructure • Improve the EOSC Core execution framework by enhanced composability and interoperability of cross-domain data, services, tools and other research objects and resources • Design and develop components of a comprehensive EOSC Integration Service suite as part of the next-generation EOSC Core • Provide open Application Programming Interface (API) registry, management, development and testing workflow, platform and tools for EOSC Core service users. • Support custom-made front-end portal development environment for various scientific communities, utilizing the EOSC Core portal back-end functions via integration services. • Facilitate an independent EOSC service incubator and technology development environment that can serve as an open experimentation "testbed" for the EOSC • Ensure financial sustainability assurance and readiness assessment processes, tools, workflows and services applied for the next-generation of EOSC Core

Direction Générale de la Recherche et de l'Innovation (DGRI), Service de la Stratégie de la Recherche et de l'Innovation (SSRI), Département Services et Infrastructures Numériques (A7)

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Horizon Europe EOSC Work Program 2023

Opening: 06/12/2022; Date limite: 9 mars 2023

Topic HORIZON-INFRA-2023-...	Description non exhaustive
EOSC-01-05 RIA 3 M€ 1 projet prévu	EOSC Architecture and Interoperability Framework • Provide structure to manage, update, circulate and promote the EOSC Interoperability Framework and guidelines to support and enable interoperability within EOSC. • Coordinate the establishment of IFs and the making of existing IFs available through a library/repository, support the dialogue on establishing IFs. • Support communities in making their IFs available through EOSC IF library • Provide organizational framework for establishing an independent, multi-stakeholder Architecture Board that can collect feedback and recommendations from the stakeholders, oversee and advice the EOSC MVE deployment and operation. • Define processes and guidelines to enable EOSC Core delivery and to ensure openness of EOSC so that it can adapt with the evolving requirements of the EOSC stakeholders

Direction Générale de la Recherche et de l'Innovation (DGRI), Service de la Stratégie de la Recherche et de l'Innovation (SSRI), Département Services et Infrastructures Numériques (A7)

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Horizon Europe EOSC Work Program 2023

Opening: 06/12/2022; Date limite: 9 mars 2023

Topic HORIZON-INFRA-2023-…	Description non exhaustive
EOSC-01-06 RIA 15 M€ 3 projets prévu	Trusted environments for sensitive data management in EOSC (expansion to resources provided by public authorities, including national agencies, in highly sensitive areas, like the health sector, governmental statistics or geo-spatial applications). Link with HORIZON-HLTH-2022-IND-13-02 ("Scaling up multi-party computation, data anonymisation techniques, and synthetic data generation.") The proposed work should include: • exploring possible solutions to move all or parts of a workflow on sensitive data to a secure data storage and to allow users to receive only aggregated and desensitised results; • support for publishing anonymised data into repositories that are compliant with the EOSC Interoperability Framework; • exploration and demonstration of possible solutions and approaches for data anonymization; • exploration and demonstration of possible solutions and approaches, such as blockchain, for access control management and maintenance of a secure and decentralized record of transactions of trusted and non-trusted parties; • data processing workflows that keep sensitive data encrypted on disk and memory, including assessment of the cost of the encryption; • investigation on data protection legislations on national and European level on the impact of using sensitive data in cloud hosted workflows across computer centres in different countries/regions; • explore and demonstrate compliance with federated architecture solutions.