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Main Achievements of the Tripartite Collaboration & Plans for 2023 – EOSC Association

Karel Luyben, President Ute Gunsenheimer, Secretary General



### Achievements in the framework of the EOSC Partnership

- Monitoring & Reporting
- Horizon Europe
- Tripartite Events

### Achievements of the EOSC Association

- General Assemblies
- Task Forces
- Strategy Work
- Resourcing the EOSC Association

### Plans 2023

- EOSC Partnership
- EOSC-Focus
- EOSC Association





### Monitoring & Reporting: Summary of Achievements

- AAP 2021 established and approved
- AAP 2022 established and approved
- AAP 2023 draft ready and submitted to EC
- MF in place and agreed
- MF Baseline survey ongoing

EOSC Association is getting ready for first Full Partnership Report in 2023



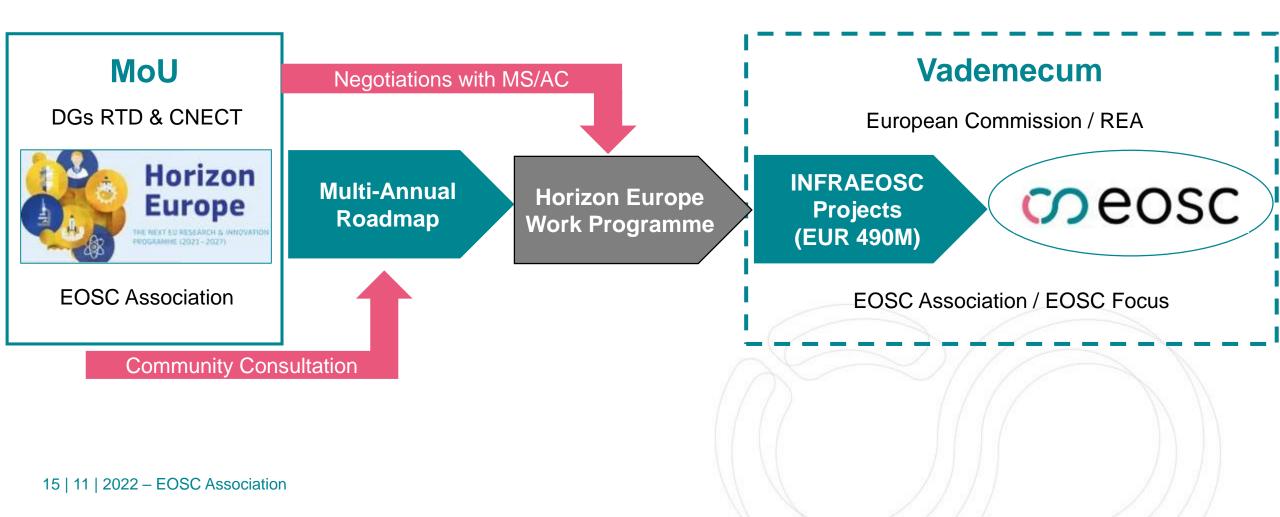
# Horizon Europe

- MAR 2023 2024 and SRIA 1.1
- Planning MAR 2025
- Prior Information Notice (PIN)
- Launch EOSC Focus



### meosc Delivering EOSC – the Process

The critical role of the INFRAEOSC Projects



# coeosc Horizon Europe Work Programme

From Sep 2022 DRAFT "HE Research Infrastructure Work Programme 2023-2024"

INFRA-2023-EOSC-01	Type of Action	New Budget in MEUR	Old Budget in MEUR
Build on the science cluster approach to ensure the uptake of EOSC by research infrastructures and research communities	RIA	25.00	24.00
Development of community-based approaches for ensuring and improving the quality of scientific software and code	RIA	8.00	8.00
Planning, tracking, and assessing scientific knowledge production	RIA	8.00	10.00
Next generation services for operational and sustainable EOSC Core Infrastructure	RIA	10.00	10.00
EOSC Architecture and Interoperability Framework	CSA	3.00	4.00
Trusted environments for sensitive data management in EOSC	RIA	15.00	8.00
Total Budget		69.00	64.00
= MAR 2023-2024 related			"Old Budget om March 2

# coeosc Horizon Europe Work Programme

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From Sep 2022 DRAFT "HE Research Infrastructure Work Programme 2023-2024"

	INFRA-2024-EOSC-01	Type of Action	New Budget in MEUR	Old Budget in MEUR
	FAIR and open data sharing in support of the climate change	the	16.00	8.00
	climate change Supporting the EOSC Partr coordination and sustainat Enabling a network of EOSC		4.00	3.00
	Enabling a network of EOSC and enhancing the framewo services for data and other r Work on MAR 2025 start	s now!	5.00	5.00
	Long-term access and preser	RIA	8.00	8.00
	Innovative and customizable services for EOSC Exchange	RIA	28.00	7.00
	Total Budget		61.00	31.00
11   202	= MAR 2023-2024 related		fr	"Old Budget" om March 20

# 

1. The **EOSC Association must play a role** in the call since the EOSC Core is the critical piece of infrastructure. Our intention is to **agree an advisory role**, **assisting the European Commission** to specify the tender and arrange elements into appropriate lots.

### LIDEN WARKET CONSTITUTION SM

- 2. It is our understanding that DG CNECT will run the procurement call. We see no role for the EOSC Association in this aspect, as we do not have the relevant experience or capacity to administer such a procurement call.
- 3. The EOSC Association cannot reply to the tender as a proposer since governance must be separate from implementation. We have also agreed previously not to apply to calls in the competition with our members, except in very specific circumstances where we have a clear role e.g. the Coordination and Support Action which led to the forthcoming EOSC Focus project.
- 4. It may be beneficial for the EOSC Association to have an explicit advisory role in whichever bidding consortium / respondent is awarded the tender. Such a role could be suggested in the call text, but only be officially agreed once an award is made. The Directors agreed that we will not join any consortia at the bidding stage – not even as an in-kind non-beneficiary partner – as this could negatively bias the evaluation.

### coeosc EOSC Focus Kick-off / June 2022



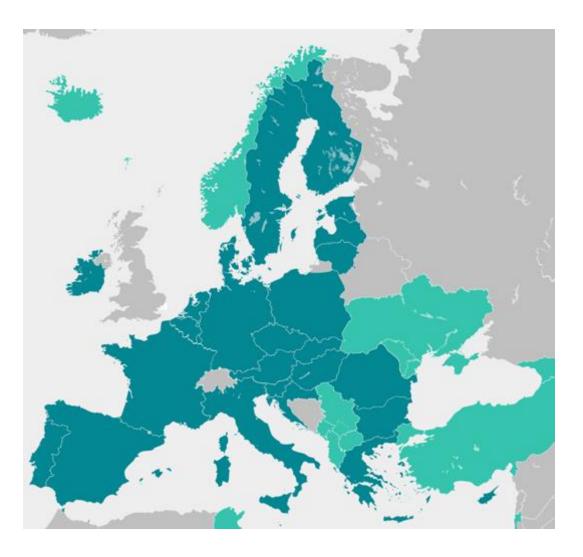


# Tripartite Events

# meose Tripartite Events



### coeosc Tour d'Europe



15 | 11 | 2022 - EOSC Association

### Austria, Vienna 23.05.2022 Format: Hybrid

20 Attendees | 10 Speakers & Panelists

Ireland, Dublin

28.09.2022 Format: In presence

50 Attendees | 17 Speakers & Panelists

Nordics&Baltics, Tallinn 04.10.2022 Format: In presence

85 Attendees | 22 Speakers & Panelists

Greece, Athens 06.10.2022 Format: Hybrid

40 Attendees | 12 Speakers & Panelists 150 Online Participants

Spain&Portugal, Faro 10.10.2022 Format: In presence

60 Attendees | 28 Speakers & Panelists

Slovenia, Ljubljana 11.10.2022 Format: Hybrid

70 Attendees | 26 Speakers & Panelists

150 Online Participants

Georgia, Tblisi 2-3.11.2022 Format: Hybrid

136 Attendees | 39 Speakers & Panelists

146 Online Participants

Poland, Kracow 24-26.10.2022 Format: Hybrid 50 Attendees | 38 Speakers & Panelists 238 Online Participants

Germany, Karlsruhe 24.11.2022 Format: Online OSC Tripartite event in the ordic and Baltic countries

### TRIPARTITE EVENTS IN NUMBERS





**151** Total number of speakers, moderators and panelists



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EOSC

**16** Total number of countries targeted











# **General Assemblies**

### GA#4, 24-25 May 2022

- Charter for Mandated Organisations
- Revision of Articles of Association
- Presentation of new logo

### GA#5, 28-29 November 2022

- Elections of President and 2 Board members
- Launch of Bylaws and Membership Fees Assessment
- Establishment of ESFRI RIs Working Group

# coeosc Strengthening the Collaboration with ESFRI RIs

Establishment of an ESFRI RIs Working Group as EOSC-A Operational Body

Organisation										
Acronym	EIRO Forum	ERIC	ESFRI	ENVRI-FAIR	EOSC-Life	ESCAPE	SSHOC	PaNOSC	EOSC Future	Approved
BBMRI-ERIC		ERIC	ESFRI		EOSC-Life				EOSC Future	Member
CERN	EIROforum		ESFRI			ESCAPE			EOSC Future	Mandated Member
CESSDA		ERIC	ESFRI				SSHOC		EOSC Future	Member
CLARIN		ERIC	ESFRI				SSHOC		EOSC Future	Member
DARIAH ERIC		ERIC	ESFRI				SSHOC		EOSC Future	Member
EATRIS		ERIC	ESFRI		EOSC-Life				EOSC Future	Observer
EMBL	EIROforum		ESFRI		EOSC-Life				EOSC Future	Member
ESRF	EIROforum		ESFRI					PaNOSC		Member
ESS		ERIC	ESFRI					PaNOSC		Member
ESS ERIC		ERIC	ESFRI				SSHOC			Observer
EURO-BIOIMAGING		ERIC	ESFRI		EOSC-Life					Member
ILL	EIROforum		ESFRI					PaNOSC	EOSC Future	Member
Instruct-ERIC		ERIC	ESFRI		EOSC-Life					Observer
LifeWatch ERIC		ERIC	ESFRI	ENVRI-FAIR					EOSC Future	Member
OPERAS			ESFRI							Member
PRACE			ESFRI							Member
XFEL	EIROforum		ESFRI					PaNOSC		Member

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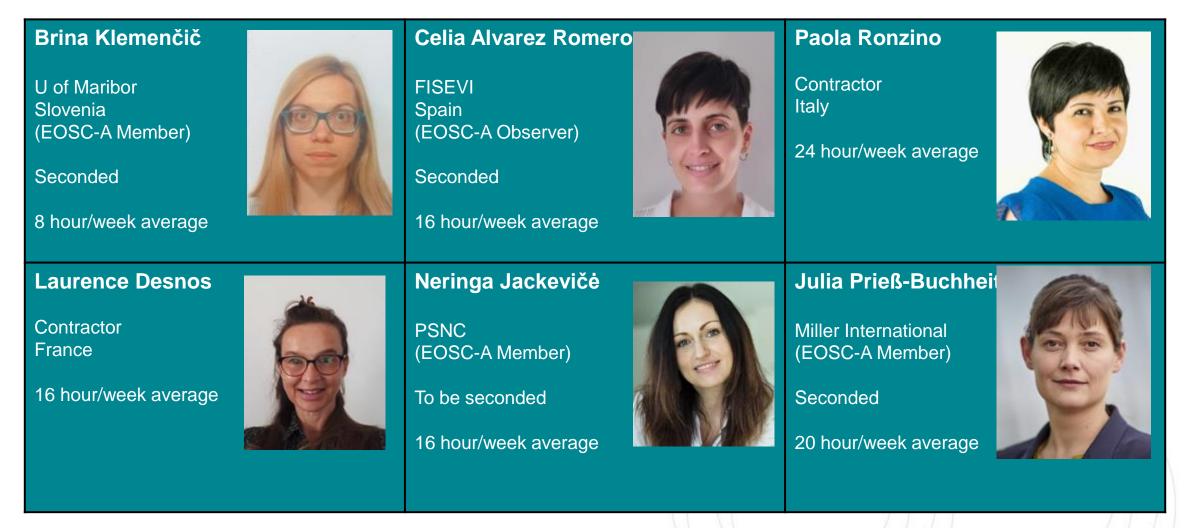
### The 13 EOSC Task Forces - the Brain Trust of EOSC-A

- Suppurting their work
- Quality Review Process
- Major Deliverables in the Pipeline
- EOSC-A Task Forces @ Symposium



# coeosc Task Force Support Officers

2,5 FTEs in total



# meosc TF Productivity

Monday 14 Nov	ember, 15:00 – 16:30 CET	Tuesday 15 November, 16:00 – 18:30 TASK FORCE TASK FORCE	0 0
ASK FORCE loint TF REA + AG data stewardship / upskilling session -	EOSC Association TF Infrastructure Software Quality –	Long-term data preservation Task	
closed meeting	closed meeting	> Wednesday 16 November	
	vember, 20 - 21 & November 12:30 -14:30	O9:00 -10:30 EOSC-A Financial Sustainability Task Force Public Session	
weunesuay 10			
ASK FORCE EOSC-A TF SI Subtask Metadatastandards – closed meeting		TASK FORCE EOSC Rules of Participation and Compliance Monitoria	ng

Task Force	Title
FAIR Metrics and Data Quality	Community-driven Governance of FAIRness Assessment
FAIR Metrics and Data Quality	FAIR Evaluation / Assessment Tools: Towards an "Apples to Apples" Comparisons
Fair Metrics and Data Quality	Towards a Data Quality Framework for EOSC
Financial Sustainability	Progress Report
Long-term Data Preservation	Discussion paper submitted
Upskilling Countries	Charter reviewed, but not in template
Infrastructures for Quality Research Software	2 Deliverables in the pipeline
Data Stewardship Curricula and Career Paths	2 Deliverables in the pipeline (24.11. and early December)
AAI Architecture	Architecture Report in the pipeline still for November
FAIR Metrics and Data Quality	Survey in the pipeline

# meosc Strategy Work of the EOSC-A Board



# Seose EOSC Strategy – Status Current Thinking

What

EOSC is a web of FAIR data and related services for research

Research data that is easy to find, access, interoperate and reuse (FAIR) Trusted and sustainable research outputs are available within and across scientific disciplines

Why

How

# Unlock the full potential of research data to accelerate discoveries and innovation

### Access and interoperability of research data and results

- Define ownership, authorship and responsibility of data and research outputs
- Ensure long-term preservation of data throughout its lifecycle
- Enable the creation of standards for all research domains
- Make data machine-actionable
- Enable new scientific discovery methods and science disciplines
- Train researchers on adopting FAIR
   15 | 11 | 2022 EOSC Asprinciples as an integral part in their
   activity

# A sustainable coordinated infrastructure

- Establish and maintain a coordinated federated reference architecture
- Implement an operational infrastructure framework that is long term sustainable
- Ensure high quality of data and services
- Ensure secure access to data and services
- Define clear standards for API and interoperability of data and services
- Apply user friendly practices
- Inspire EOSC ambassadors to assist in on-boarding of researchers

# Inspired people and robust

### governance

- Communicate an inspiring EOSC vision and strategy
- Implement an unambiguous and clearly mandated governance structure
- Establish a framework to engage human capital in institutions, countries and scientific communities
- Enable disciplinary and crossdisciplinary transnational research to find new insights from existing and new research data and outputs

### meose Resourcing the EOSC Association





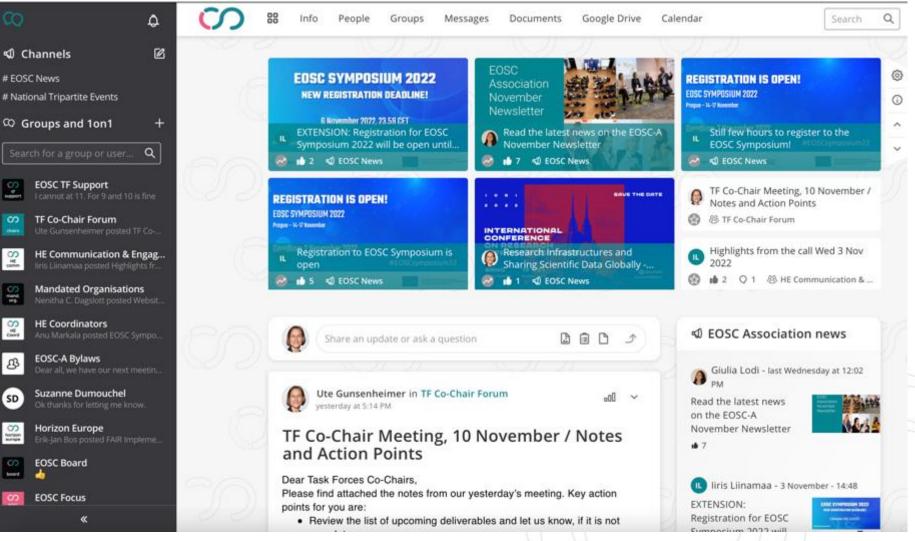


Rue du Luxembourg 3 1000 Brussels

EOSC Association Team 15 | 11 | 2022 – EOSC Association

# Seosc Community Engagement Platform "EOSC Forum"

A tool to manage stakeholders engagement



# meose Workplan 2023 of the EOSC Association

### EOSC PARTNERSHIP

- Monitoring and reporting
- Multi-Annual Roadmaps
- Facilitation of Partnership Board meetings
- Contributing to the discussion on the future of EOSC
- Continuing to close the loops at national level

### EOSC FOCUS

- Project Coordination and first periodic reporting
- Vademecum Update 2023
- Delivering added value through EOSC FOCUS

### EOSC ASSOCIATION

- Supporting the Task Forces on their paths to delivery
- ESFRI RIs Working Group
- Teamwork Bylaws and Membership Fee Models
- General Assemblies and formal Board Meetings
- Proactive engagement of the membership
- Broadcasting the "Voice of the Community" with the achievements of our members
- Directing the EOSC narrative
- Consolidating the EOSC brand and re-launching eosc.eu

### meose From Horizon 2020 to Horizon Europe





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### Horizon 2020 EOSC-related Projects Key Exploitable Results

### **Objectives**

- To support the realisation of the impact potential of on-going H2020 EOSC-related projects
- To capture your views on the EOSC-Association's role
- To promote a culture of collaboration among projects and with the Association



### meose Summary of Results

### **Content:**

- Up to **six KERs**
- Exploitability level
- Relevance to EOSC Task Forces
- Sustainability Plans
- Internationalisation and standardisation
   plans/needs
- Communication, dissemination, outreach plans
- Expectations on the role of EOSC Association

### **Summary Results:**

N: Projects: 22

N: KERs: 119

**KER Exploitability level:** Mainly prototype - operational levels

### KER Category (top 3 of 7 categories):

- Technical harmonisation
- Virtual research environment
- Policy harmonisation

Relevance to Task Forces: All TF involved!

### meose Print-outs available at the EOSC-A Stand







# Family Brand Approach

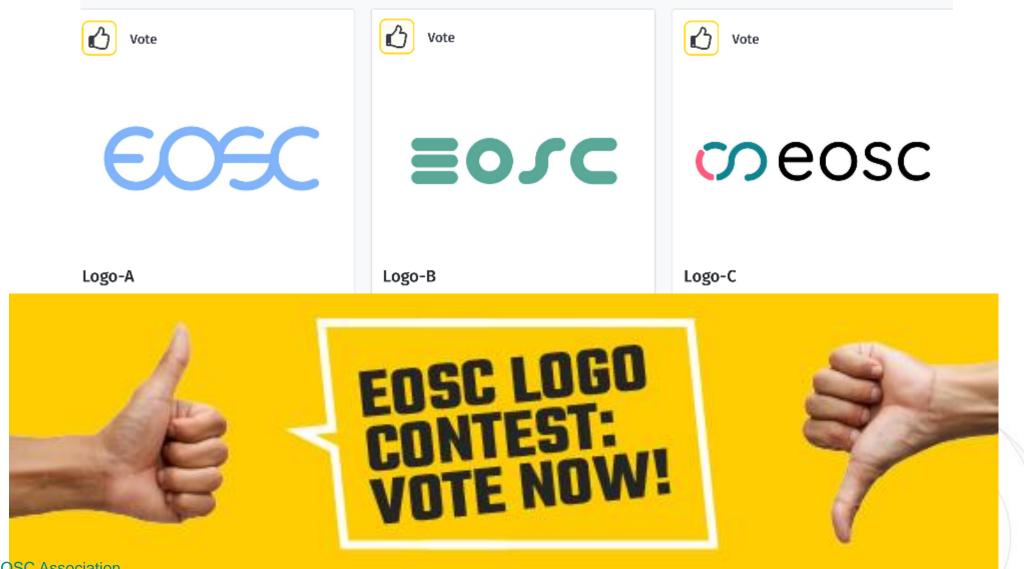


# Seose Pan-European Logo Competition

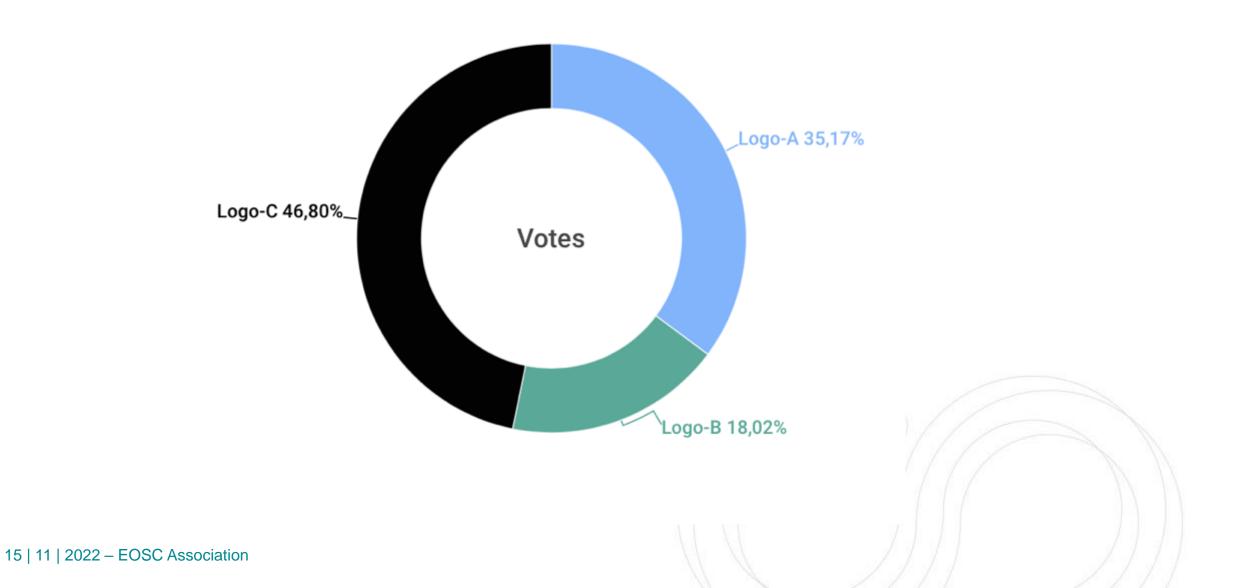
Young designer across the continent were participating



# meose Community Decision



### meosc Clear Result





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# Joe Parker-Rees

3rd-year design student at Leeds Arts Universit

"The logo I designed for EOSC embraces the circular forms of the lowercase 'eosc' abbreviation, as well as the curved spine of the 's' letterform. The notion of data visualisation is subtly referenced with the motif of a pie chart. Flow and movement are evoked, combining logo with typography in a fluid rhythm."



# coeosc Collaboration with HE INFRAEOSC Projects

Joint meeting in Brussels, 30 September 2022



#### coeosc Co-branding Guidelines & Vademecum

Two Key Documents for Collaboration



#### Seose Collaboration INFRAEOSC Projects Al4 mosc ကeosc Fair-Ease ကeosc Focus coeosc cancer Skills 4 eosc COROSC RAISE COROSC FAIR-IMPACT CORESPONDED FAIRCORESPONDED COEOSC EuroScienceGateway



### AI4 MOSC

The AI4EOSC delivers an enhanced set of advanced services for the development of Artificial Intelligence (AI), Machine Learning (ML) and Deep Learning (DL) models and applications in the European Open Science Cloud (EOSC).



#### COEOSC EuroScienceGateway

Democratising data analysis

eurosciencegateway.eu



### COEOSC FAIR-EASE

FAIR-EASE aims to build the first inter-domain digital architecture for integrated use of environmental data. The overall objective of the FAIR-EASE project is to customise and operate distributed and integrated services for observation and modelling of the Earth system, environment and biodiversity.

fairease.eu



### COEOSC FAIR-IMPACT

Expanding FAIR solutions across EOSC

fair-impact.eu



### CORDECTION FOR FAIR CORE 4EOSC

Based on addressing the gaps identified in the Strategic Research and Innovation Agenda (SRIA) and leveraging existing technologies and services, FAIRCORE4EOSC will develop nine new EOSC-Core components aimed at improving the discoverability and interoperability of an increased amount of research outputs.

faircore4eosc.eu



# COEOSC RAISE

A distributed crowdsourced data processing system, moving from open data to data open for processing.

raise-science.eu



## Skiis 4 eosc

Empowering Europe with an EOSC-ready digitally workforce

skills4eosc.eu



### mail of the second seco

Connecting EOSC and the European Health Data Space (EHDS) to advance Cancer Research along the patient journey.

https://eosc4cancer.eu/



#### **BY-COVID**

Making data from infectious diseases open and accessible to everyone

by-covid.org

meosc

#### e-Infrastructure Reflection Group

Supporting the e-Infrastructure Reflection Group (e-IRG) policy advisory body in its strategic vision to facilitate integration in the area of European e-Infrastructures and connected services, within and between Member States and Associated States, at the European level and globally.

e-irg.eu





WorldFAIR: global cooperation on FAIR implementation in 11 domain and cross domain research areas.

worldfair-project.eu



### **MARCE**

### AquaINFRA

Developing an EOSC compliant virtual research environment to support the restoration of healthy oceans, seas, coastal and inland waters.



#### **Blue-Cloud 2026**

A federated European FAIR and Open Research Ecosystem for oceans, seas, coastal and inland waters -Blue-Cloud 2026 aims at developing a thematic marine extension to EOSC for open web-based science, further evolving this pilot ecosystem into a Federated European Ecosystem of FAIR Open data and analytical services.





#### **CRAFT-**

The project CRAFT-OA is the follow-up project AIAMAS and will improve the situation of Diamond Open Access publishing platforms to ensure that journal publications and publishing infrastructures become part of the EOSC.





#### SciLake

Developing a platform that facilitates the creation, maintenance, interlinking and unified querying of heterogeneous, community-created scientific knowledge graphs and catalyzes the provision of advanced, discipline-tailored, AI-assisted knowledge discovery services on top of them.





#### GraspO

Developing, assessing and putting into operation an open and trusted federated infrastructure for next generation research metrics and indicate s, offering data, tools, services and guidance to support and enable policy reforms for research assessment at researcher (individual/group), institutional, organisational and country level.







Direct and indirect support for RDA groups working on EOSC and FAIR relevant challenges.

rd-alliance.org



## COBSC Focus

Helping the EOSC Partnership to succeed

eosc.eu/eosc-focus-project