

# **EOSC: Danish Involvement**

DeiC Konferencen 2021

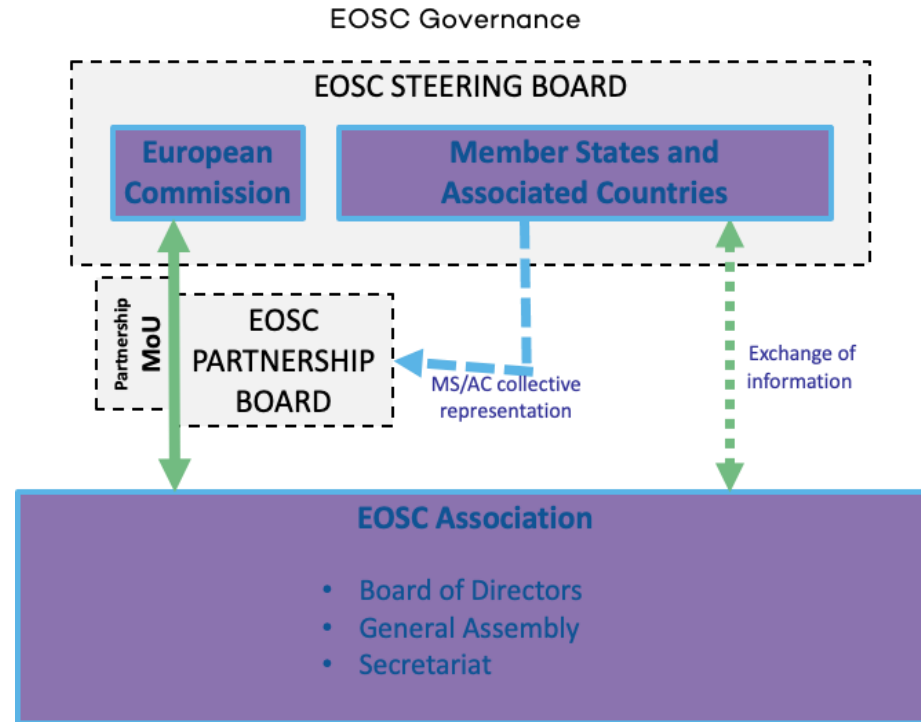
3. november 2021

DeiC Data Management-teamet

A large, thick, green decorative wave graphic that starts from the left edge of the slide, curves upwards and to the right, then dips and curves upwards again towards the right edge. It is positioned behind the text "DeiC Data Management-teamet".

## EOSC - what and why

- > Develop “Web of FAIR Data and services” for science in Europe
- > Multi-disciplinary environment where researchers can publish, find, and re-use data, tools and services
- > Improve the storing, sharing, combining, and reusing of research data across borders and scientific disciplines
- > Federated “system of systems” approach
- > EOSC is *co-programmed European Partnership*



# Danish Engagement: EOSC Association and Steering Board

## **EOSC Association**

- > Legal entity established to govern the European Open Science Cloud (EOSC)
- > Over 200 Members and Observers
- > Danish representative: **DeiC** (mandated member) on behalf of all Danish Universities

## **EOSC Steering Board**

- > Involvement from national level in development of EOSC:  
**Commission expert group to act as European Open Science Cloud Steering Board:**

*“To ensure continuity of the EOSC coordination between the Commission, the Member States and the Associated Countries. This Expert Group will be established for a period of one year with the possibility to be renewed in subsequent years”.*

- > Danish representative: **Thomas Midtgaard**, Danish Agency for Higher Education and Science

# Danish Engagement: The EOSC-A Task Forces

AG = Advisory Group  
TF = Task Force

## AG Implementation of EOSC

- TF PID Policy and Implementation
- TF Researcher Engagement and Adoption ([Marion Poetz, CBS](#))
- TF Rules of Participation Compliance Monitoring

## AG Metadata and Data Quality

- TF FAIR Metrics and Data Quality ([Richard Dennis, KB](#))
- TF Semantic Interoperability ([Raghava Rao Mukkamala, CBS](#))

Kilde & FAQ: <https://www.eosc.eu/task-force-faq>

## AG Research Careers and Curricula

- TF Data Stewardship Curricula and Career Paths ([Lorna Wildgaard, KB](#))
- TF Research Careers, Recognition, and Credit
- TF Upskilling Countries to Engage in EOSC

## AG Sustaining EOSC

- TF Defining Funding Models for EOSC ([Rene Belsø, DeiC](#))
- TF Long-Term Data Preservation

## AG Technical Challenges on EOSC

- TF AAI Architecture ([Josva Kleist, NORDUnet](#))
- TF Infrastructure for Quality Research Software
- TF Technical Interoperability of Data and Services ([Lene Krøl Andersen, DeiC](#))

# The EOSC Partnership Funding

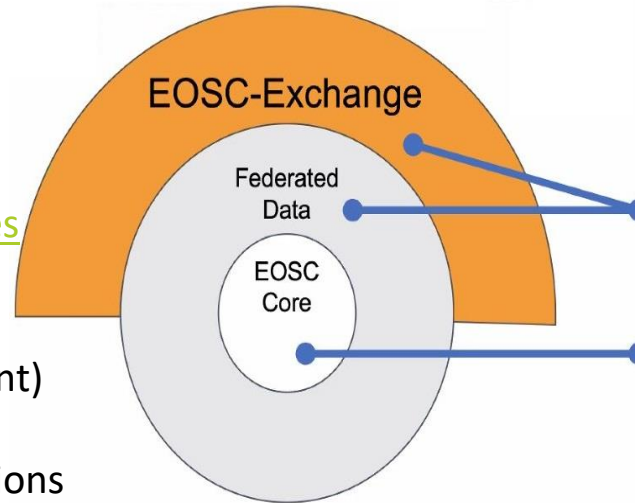
- € 1 Billion (DKK 7.439.595.000)
  - A. €500 million European Union
  - B. €500 million EOSC partners

## A. Horizon Europe: Work Programmes

- ❖ Calls for proposals.
- ❖ Calls for tenders (Procurement)

## A. Partner Funding: In-kind contributions

- ❖ Danish national infrastructures (DeiC investment)



**IaaS:** Public research data and EOSC Compute platform (HTC, HPC, Cloud)

**PaaS:** Orchestration and federated access services, ML and AI services

**SaaS:** Simulation and data analytics tools

AAI, EOSC Portal components, monitoring and messaging, Accounting, Helpdesk, Security Coordination, Integrated Management System Interoperability guidelines

## Horizon Europe EOSC calls 2021 (€ 64 million)

- HORIZON-INFRA-EOSC-2021-01-01: Supporting an EOSC-ready digitally skilled workforce – 7M€
- HORIZON-INFRA-2021-EOSC-01-02: Supporting the development and coordination of activities of the EOSC Partnership - 4M€
- HORIZON-INFRA-EOSC-2021-01-03: Deploying EOSC-Core components for FAIR – 10M€
- HORIZON-INFRA-2021-EOSC-01-04: Innovative and customizable services for EOSC – 18 M€
- HORIZON-INFRA-2021-EOSC-01-05: Enabling discovery and interoperability of federated research objects across scientific communities - 10M€
- HORIZON-INFRA-2021-EOSC-01-06: FAIR and open data sharing in support of European preparedness for infectious diseases – 8M€
- HORIZON-INFRA-2021-EOSC-01-07: FAIR and open data sharing in support of cancer research - 7M€



# HorizonEurope Call 01-01 - Supporting an EOSC-ready digitally skilled workforce



**Project Title:** Skills4EOSC

**Coordinator:** GARR (Gruppo per l'Armonizzazione delle Reti della Ricerca) = NREN

**Partners:** 44 (including 23 Affiliated)

**Total Budget:** DKK 50.000.000

**Budget for Universities via and including DeiC: DKK 3.269.248**

**Objective:** “Skills4EOSC core objective is to advance Open Science (OS) skills by unifying the current training landscape into a common and trusted pan-European ecosystem, closing the three gaps identified in the ***EOSC Strategic Research and Innovation Agenda (SRIA)*** in relation to OS competences: lack of Open Science and data expertise, lack of a clear definition of data professional profiles and corresponding career paths, and fragmentation in training resources.”



	EUR	DKK
<b>DTU</b>	63,040	1,213,018
CBS	78,750	585,900
AAU	37,500	279,000
KB	90,000	669,600
SDU	60,000	446,400
AU	10,125	75,330
<b>Σ</b>	<b>439,415</b>	<b>3,269,248</b>

## HorizonEurope Call 01-05: Enabling discovery and interoperability of federated research objects across scientific communities

**Project Title:** FAIR-IMPACT

**Coordinator:** DANS

**Partners:** 28 (6 core partners)

**Total Budget:** DKK 75 mill

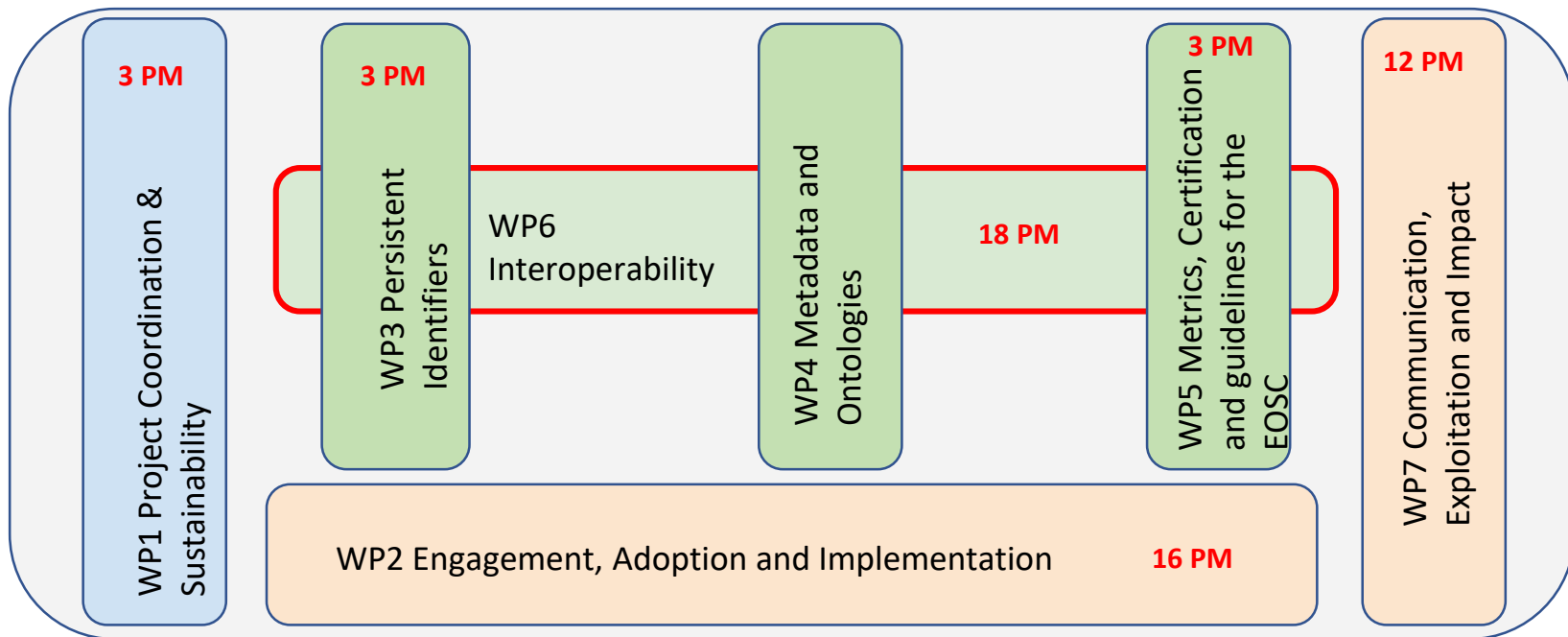
**Budget for DeiC:** DKK 4 mill



**Objective:** to enable the **implementation** of the FAIR principles for the EOSC **across scientific domains and research outputs** within the European Research Area (ERA).



## DeiC's Involvement across the WPs (55 PMs - 3 years)



# Launching the EOSC Denmark Coordination Forum

## Motivation

- > Lots of EOSC and EOSC-related activities, networks, initiatives etc. ongoing and upcoming
- > Research and researchers in Denmark must benefit from EOSC as much as possible
- > To create and support knowledge sharing and engagement, DeiC will set up: **The EOSC Denmark Coordination Forum**


## Participation

- > Special invitation to people in **EOSC Association task forces, EOSC projects and EOSC Steering Group**
- > **Open invitation** to everybody with an interest in EOSC
- > First (virtual) meeting for the forum  
**December 14, 10.00-11.30 2021 (tbc)**

## Engagement

- > Web page on [www.deic.dk](http://www.deic.dk) (to come)
- > Sign up for EOSC Denmark mailing list (to come)
- > *Be curious and share your knowledge inside and outside the FORUM*



Program	Agenda item	Presenters
<i>Let's start!</i>	<b>Welcome and presentation by participants</b>	Everybody
<p><i>What's going on in EOSC nationally?</i></p> <p>= Building a shared knowledge base about EOSC</p>	<p><b>Current EOSC activities in DK</b></p> <p><b>Activities at organisational level</b> (panel of members)</p> <ul style="list-style-type: none"> <li>- EOSC Steering Group</li> <li>- EOSC Association</li> <li>- EOSC A Task Forces</li> </ul> <p><b>EOSC Projects</b></p> <ul style="list-style-type: none"> <li>- EOSC-Nordic</li> <li>- Additional EOSC projects</li> </ul> <p><b>Bidding consortia for future EOSC projects</b></p> <ul style="list-style-type: none"> <li>- Call 01-01: Supporting an EOSC ready digitally skilled workforce</li> <li>- Call 01-05 Enabling discovery and interoperability of federated objects across scientific domains</li> </ul>	<p>Members of groups, association, task forces and projects</p> 
<p><i>What is needed of the forum?</i></p> <p>= Making EOSC of value to research in DK</p>	<b>Presentation and discussion of 'Terms of Reference for EOSC Denmark Coordination Forum'</b>	Everybody
<p><i>What do we take home?</i></p> <p>= Moving forward</p>	<b>Summing up, agreements, plans incl. next meeting</b>	Everybody
<i>What else?</i>	<b>Any Other Business</b>	Everybody

## Contact Information for DeiC Data Management Team

Anders, EOSC Association, GO FAIR Office

René, Task Forces and Skills4EOSC project

Hannah, Metadata for Machines (M4M), RDA Node

Lene, Task Forces, EOSC-Nordic and FAIR Impact project

Anna Mette, Knowledge Exchange, RDA Node

Anne Sofie, EOSC Denmark Coordination Forum

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