

EOOSC Digital Innovation Hub

EGI Conference 2023

Poznan, June 2023

The EOOSC Future project is co-funded by the
European Union Horizon Programme call
INFRAEOOSC-03-2020, Grant Agreement 101017536

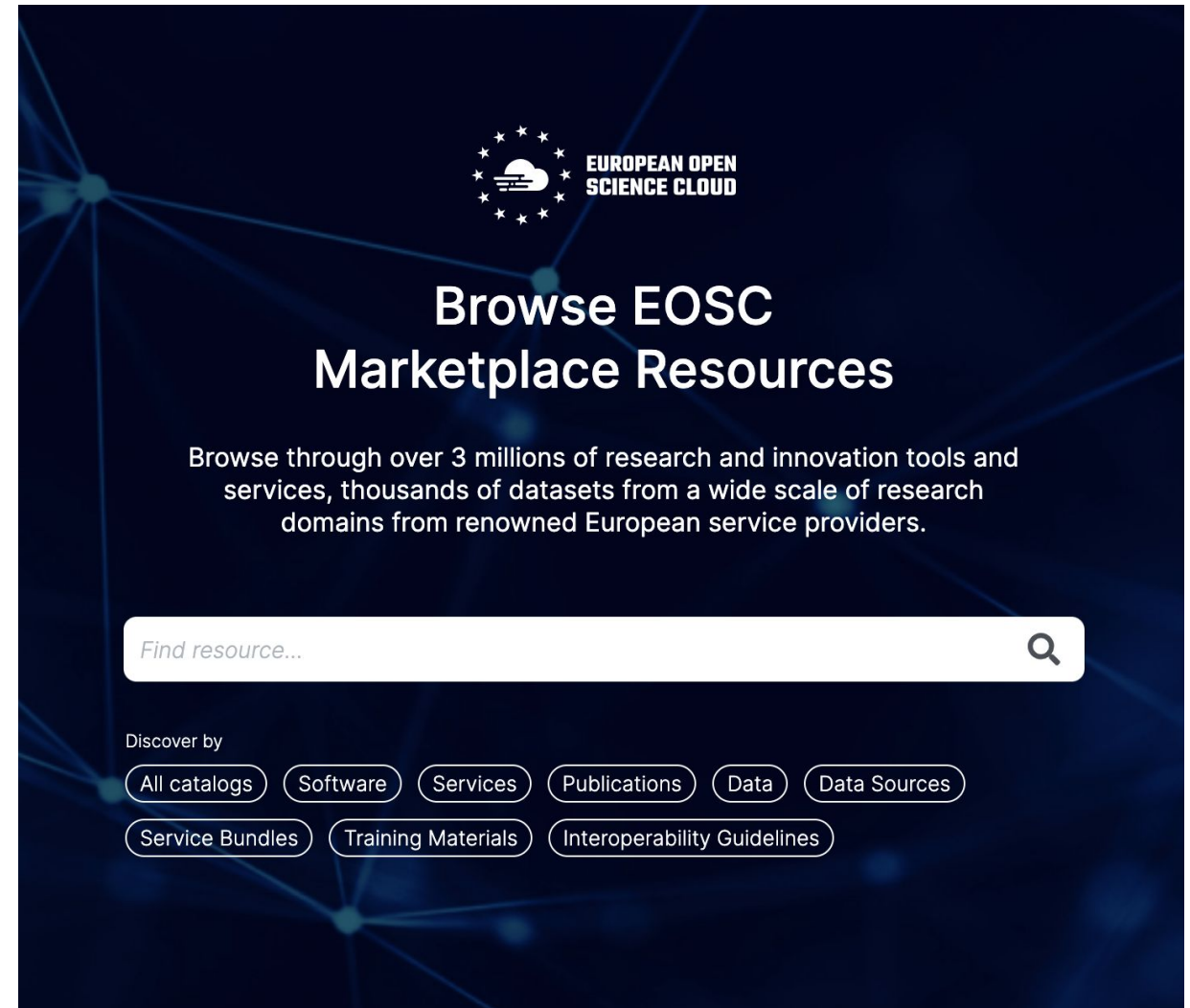




What is the EOSC

A unified access to the European hub of research data, tools and services for innovation and education.

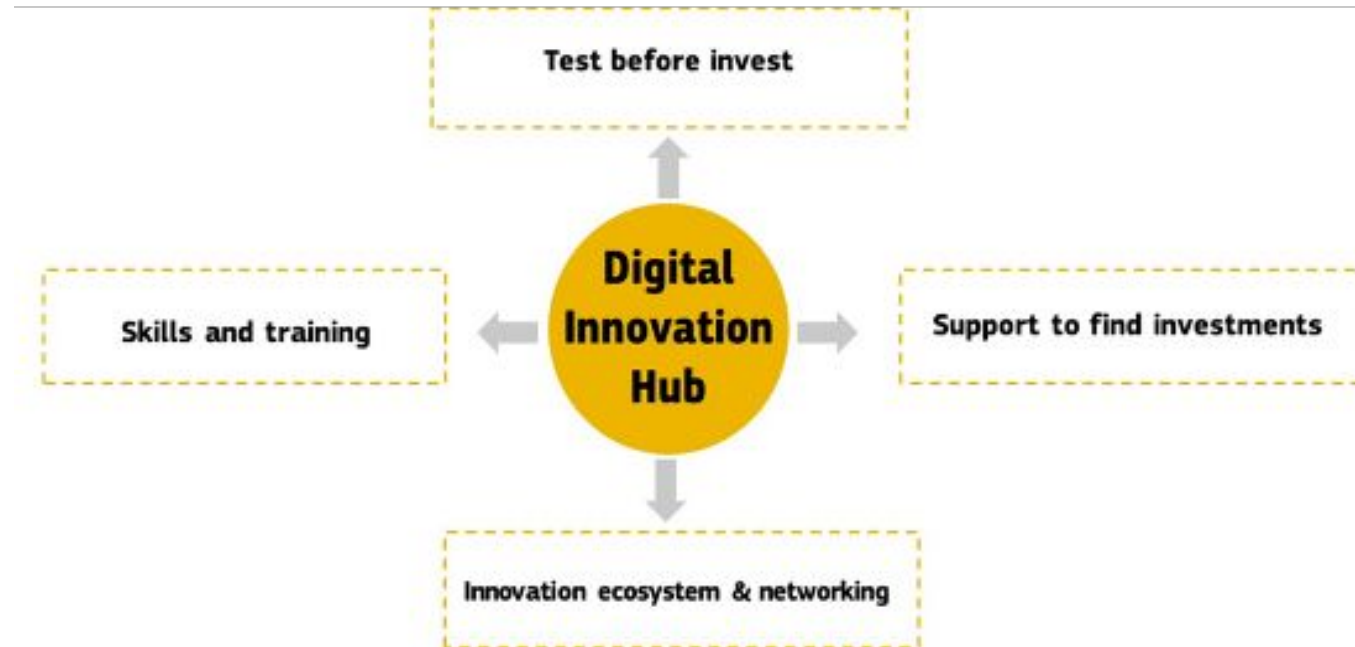
A virtual environment for sharing and accessing research data across borders and scientific disciplines.



The screenshot shows the EOSC Marketplace Resources page. At the top, there is the European Open Science Cloud logo, which consists of a circle of stars surrounding a cloud icon with a hand, and the text "EUROPEAN OPEN SCIENCE CLOUD". Below the logo, the main heading reads "Browse EOSC Marketplace Resources". Underneath this, a descriptive paragraph states: "Browse through over 3 millions of research and innovation tools and services, thousands of datasets from a wide scale of research domains from renowned European service providers." A search bar with the placeholder text "Find resource..." and a magnifying glass icon is positioned below the text. Under the search bar, the text "Discover by" is followed by a row of buttons: "All catalogs", "Software", "Services", "Publications", "Data", and "Data Sources". A second row of buttons includes "Service Bundles", "Training Materials", and "Interoperability Guidelines". The background of the page is dark blue with a network of glowing nodes and lines.

What is a Digital Innovation Hub?

“One-stop shop that help companies dynamically respond to the digital challenges and become more competitive”





What is the EOSC DIH



A DIH that aims to stimulate joint innovation with private enterprises by leveraging **EOSC services, data and expertise**



Exploiting the EOSC

SMEs using services from the EOSC
(pilots supported by EOSC projects)



Enriching the EOSC

SMEs bringing services / data to the EOSC

EOSC DIH Services + EOSC project services



C-SCALE



Reliance

Pilots



Created with paintmaps

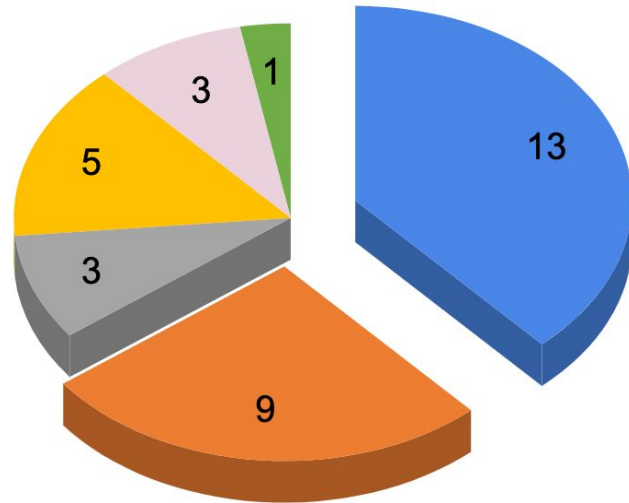




Pilots statistics

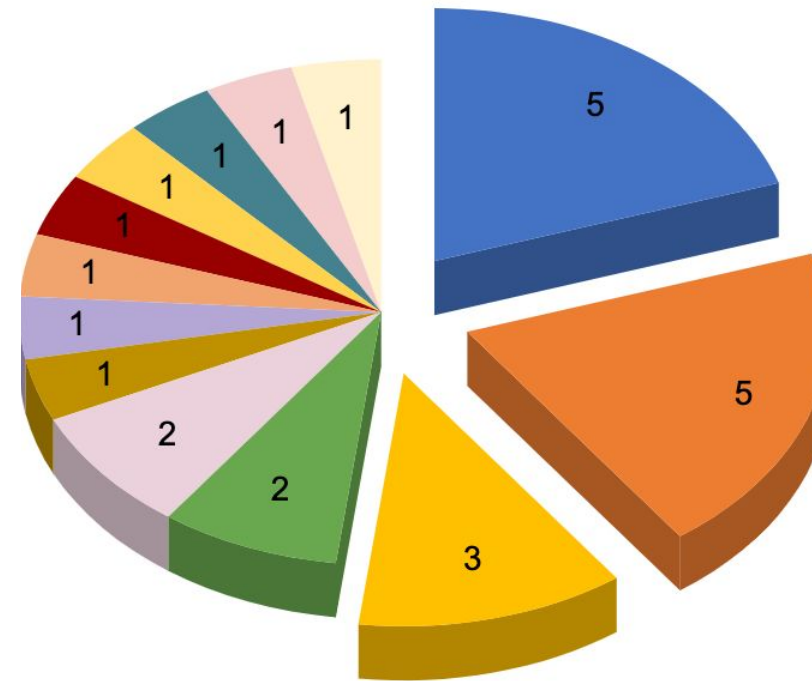
EOSC SERVICES

- EGI ACE
- Open Aire Nexus
- DICE
- C-Scale
- Reliance
- DEEP / AI4EOSC



SECTORS

- Energy
- Open Science
- I.T.
- Agriculture
- Mobility
- Logistics
- Green Computing
- Real State
- Radiation
- Innovation
- Forestry
- Pharma
- Business



Pilots brought by the community



DigiFarm

Detecting agricultural field boundaries using deep neural network models and super-resolution Sentinel-2 EO-data



Trango. Trip and go.

Best Location for Car Sharing



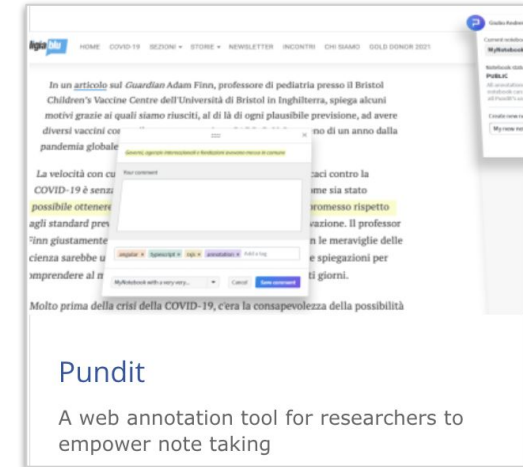
MiCADO – Cloud and Container Orchestrator

Orchestration Framework for Cloud Resources and Application Container



BIGcoldTRUCK: Big data analytics for cold chain logistics optimization in refrigerated trucks.

Data analysis to predict the demand of goods, optimise the routes in real-time and provide visualizations and descriptions.



Pundit

A web annotation tool for researchers to empower note taking



Agriculture
Norway



Mobility
Spain



I.T.
Germany



Logistics
Spain



I.T.
Italy

Pilot from 1st pilot campaign (2021)



OpenScienceLens

Offering in-place access to millions of Open Science Research Products, at a glimpse.



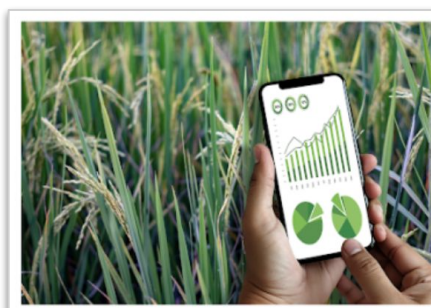
ELD-ADVANCE

OpenAIRE ELD-Enrich Local Data via the OpenAIRE Graph – ADVANCE.



ANESYS

integrAted iTelligent thErmostat SYStem.



AgriFootprint

Cloud model for Carbon Footprint assessment in crop growing and agri food value chains.



OiPub

OiPub A Digital Platform for Enhanced Discovery & Discussion of Research Find & follow research in every niche! OiPub is working to make research easier to find, follow and discuss....



Open Science
Greece



Open Science
Italy



Energy
Italy



Agriculture
Ukraine



Open Science
Malta

Pilots from 2nd pilot campaign (2022)



EO HPC WE
Blockheating runs earth optimised IT infrastructure, where datacenter & server design, power consumption and recycling are designed to have a minimal impact on the environment.



Integration of RSpace with Argos and Zenodo
Integration of RSpace with Argos and Zenodo Integration of RSpace electronic lab notebook and sample management system with Argos and Zenodo Digital research platform with an electronic lab notebook,...



PreMaCOOL
PreMaCOOL focuses on the development of an AI (Artificial Intelligence) model that will serve as a predictive maintenance tool for cooling systems.



REGREEN
REGREEN Renewable energy source generation site finder Creating an AI-based solution to identify the most promising sites for an efficient co-generation of renewable energy Deep Blue is an R&D...



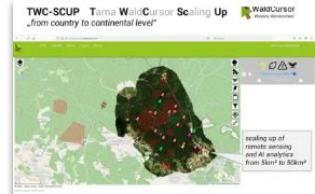
SOFIA
SOFIA is a Decision Support System (DSS) to Automate the Innovation Scoring Process in the Financial Sector.



YDMS
Big Data Management infrastructure containing facility and building surveys datasets to allow a free research and flexible data organisation to perform smart analytics



UDOS
UDOS Urban Dynamics Observation Service Using satellite data and machine learning to monitor land surface processes. Ubicube is an Austrian high tech startup that uses satellite data and machine...



TWC-SCUP
TWC-SCUP Tama WaldCursor Scale-Up Integrated management tools for forestry operations and forestry owners Tama Group was founded in 2015, having established three lines of business: distribution of...



Green computing
NL

Open Science
UK

Energy
Greece

Energy
Italy

Innovation
Greece

I.T.
Italy

Real State
Austria

Forestry
Germany

Pilots from 3th pilot campaign (2022)

BEAMIDE



MRADSIMIDE

Improving data analysis and reconstruction capabilities of the simulation software MRADSIM and of two innovative radiation detectors

LINKNOVATE



STARTUP RADAR

Bringing AI to corporate innovation and facilitating internal team communication around innovation scouting and monitoring.

Builtrix
Connected-Building Solution



EnergyDeel

Identifying the operational state (on/off) and power consumption of individual electrical loads, considering as input only the aggregated consumption from the central smart meter.

Bike square
bikesquare.eu
powered by e-on



B2Predict

Bikesquare works in the field of e-bike rentals. We transfer technological solutions to e-bike producers and renters to achieve predictive maintenance through AI and ML.

S.A.F.A.N.
bioinformatics



SAFAN-ISP_VA

Validation and comparison with other technologies of the SAFAN-ISP technology for in silico profiling of small molecules and peptides.



Reliance



Radiation
Italy

Business
Spain

Energy
Portugal

Mobility
Italy

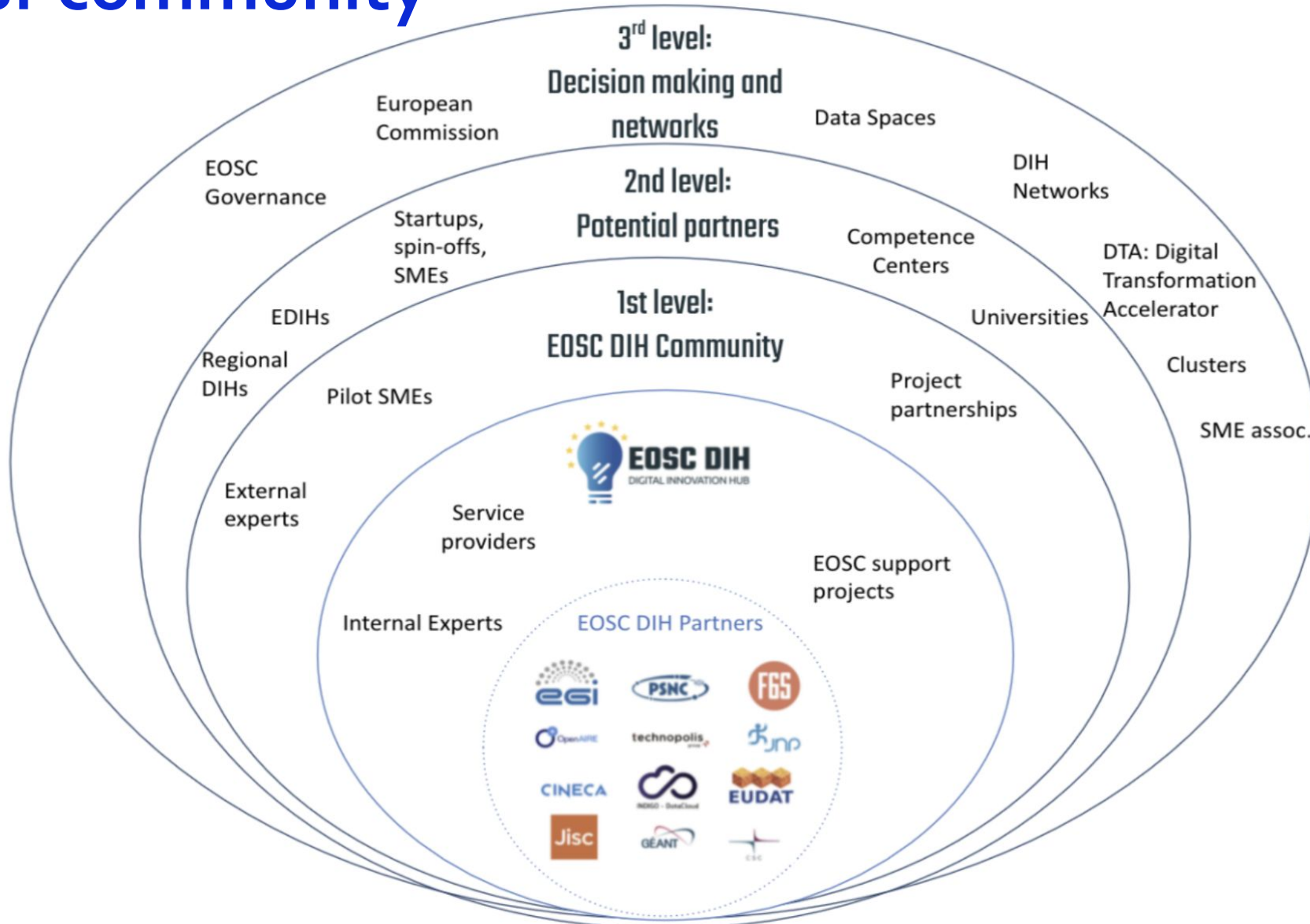
Pharma
Italy

Pilot from 4th pilot campaign (2023)



Energy
Italy

Our community



Expansion and operation in EOSC Future

Collaborations for service portfolio

- INFRAEOSC-07 projects



C-SCALE



- Other projects



Partnerships with multipliers

- Regional DIHs



- Other DIH networks



- Industry support initiatives



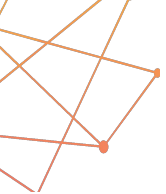


How to join the community?



- Funding opportunities
- Invitation to monthly meetings
- Relevant news and information of the community
- No spam!

<https://eosc-dih.eu/community/>



BEAMIDE



math&sport

R&D



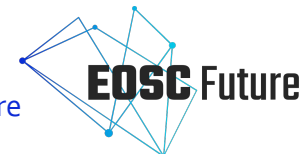
OiPub

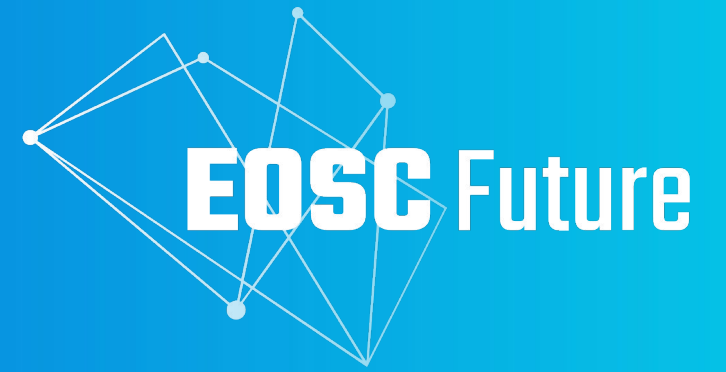


knowco collabwith



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Thank you for your attention

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