

Project Overview

EOSC-hub week, Prague, 9.04.2019

EOSC-Nordic project has received funding from the European Union's Horizon 2020 research and innovation programme under grant agreement No 857652



Call: INFRAEOSC-05-2018-2019

Participants: 24

Budget: 5.9M€

Coordinator: Gudmund Høst, NeIC Director - Gudmund.Host@nordforsk.org

24 Participants

Iceland

- UNIVERSITY OF ICELAND

Norway

- NORDFORSK
- UNINETT SIGMA2 AS
- NORWEGIAN CENTER FOR RESEARCH DATA

Denmark

- DENMARK TECHNICAL UNIVERSITY
- UNIVERSITY OF SOUTHERN DENMARK
- DANISH NATIONAL ARCHIVES
- UNIVERSITY OF COPENHAGEN
- CAPITAL REGION OF DENMARK
- NORDUNET / AS

Netherlands
GoFair

Germany
DKRZ

Sweden

- UNIVERSITY OF UPPSALA
- SWEDISH RESEARCH COUNCIL
- UNIVERSITY OF GOTHENBORG

Finland

- CSC – IT CENTER OF SCIENCE
- UNIVERSITY OF HELSINKI
- UNIVERSITY OF TAMPERE
- UNIVERSITY OF EASTERN FINLAND
- FINNISH METEOROLOGICAL INSTITUTE

Estonia

- UNIVERSITY OF TARTU
- NATIONAL INSTITUTE OF CHEMICAL PHYSICS AND BIOPHYSICS

Latvia

- RIGA TECHNICAL UNIVERSITY

Lithuania

- UNIVERSITY OF VILNIUS

EOSC NORDIC



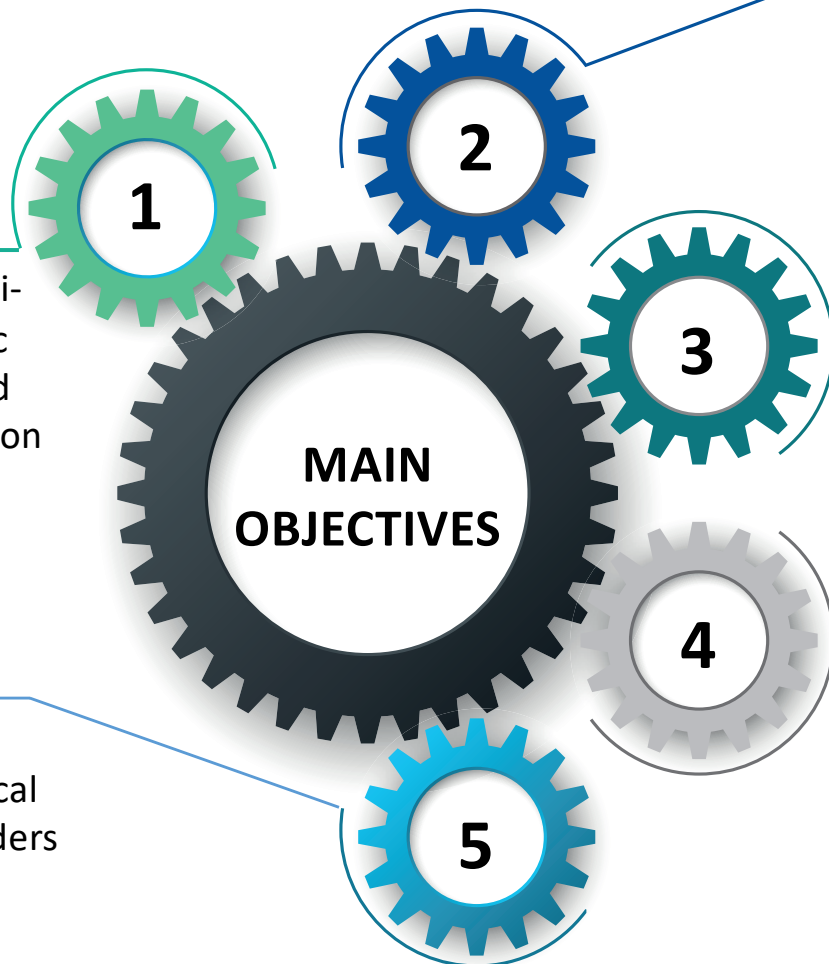
OBJECTIVE 1

Support coordination, harmonisation and alignment of Nordic and Baltic national policies and practices related to the provision of horizontal research data services with EOSC



OBJECTIVE 5

Provide a Knowledge Hub to deliver training and technical support to new service providers and communities willing to engage with EOSC during and after the project lifetime



OBJECTIVE 2



Increase the discoverability of Nordic & Baltic services. Extend and expand their use by making them accessible through the EOSC portal

OBJECTIVE 3



Promote and support the uptake of FAIR data practices and certification schemas across the Nordics

OBJECTIVE 4



Accelerate the progress and attractiveness of EOSC by piloting & delivering innovative solutions developed and tested in a useful and functional cross-border environment

POLICIES, LEGAL ISSUES AND SUSTAINABILITY

IN A CROSS-BORDER ENVIRONMENT



POLICIES AND PRINCIPLES

Identify & map the **open science policies** & resource provisioning principles applied in the Nordic and Baltic countries.



SERVICES AND RESOURCES

Investigate **models, roles and responsibilities** for the coordinated provisioning and delivery of **EOSC services and resources** at national level



LEGAL CHALLENGES

Identify current and potential **legal hurdles** associated with the sharing of data and resources across national borders. Suggest solutions.



COORDINATE AND ALIGN

Discuss and coordinate policy activities, and advise on directions the national initiatives should take to align with relevant EOSC policies.

INTEGRATION AND INTEROPERABILITY

OF PROSPECTIVE EOSC SERVICE PROVIDERS IN NORDIC AND BALTIC COUNTRIES

Integration

Identify existing Nordic generic and thematic service providers.

Support integration and discovery of their services via the EOSC portal

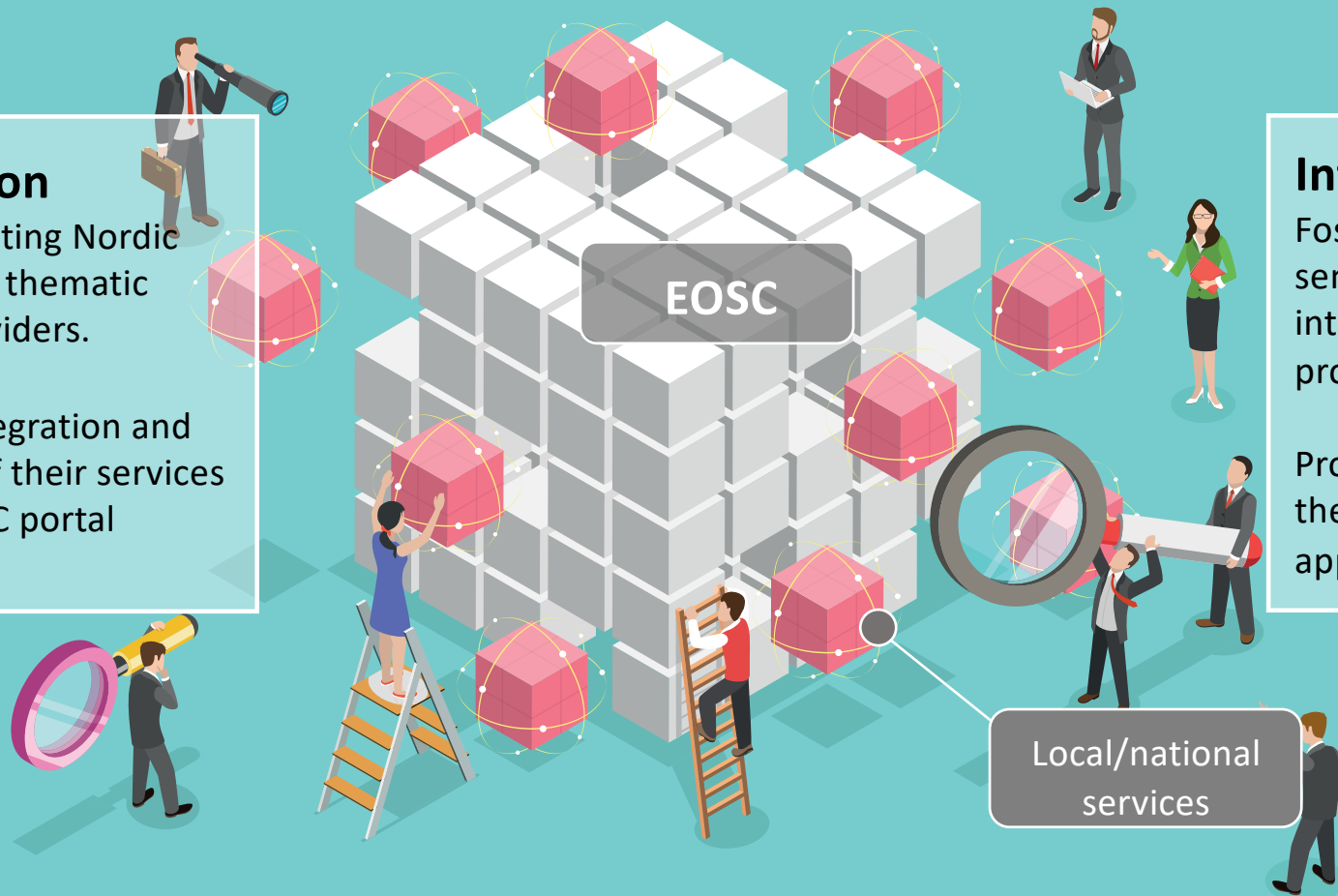
Interoperability

Foster organizational, semantic and technical interoperability of service providers.

Propose improvements of the interoperability approach within EOSC.

EOSC

Local/national services



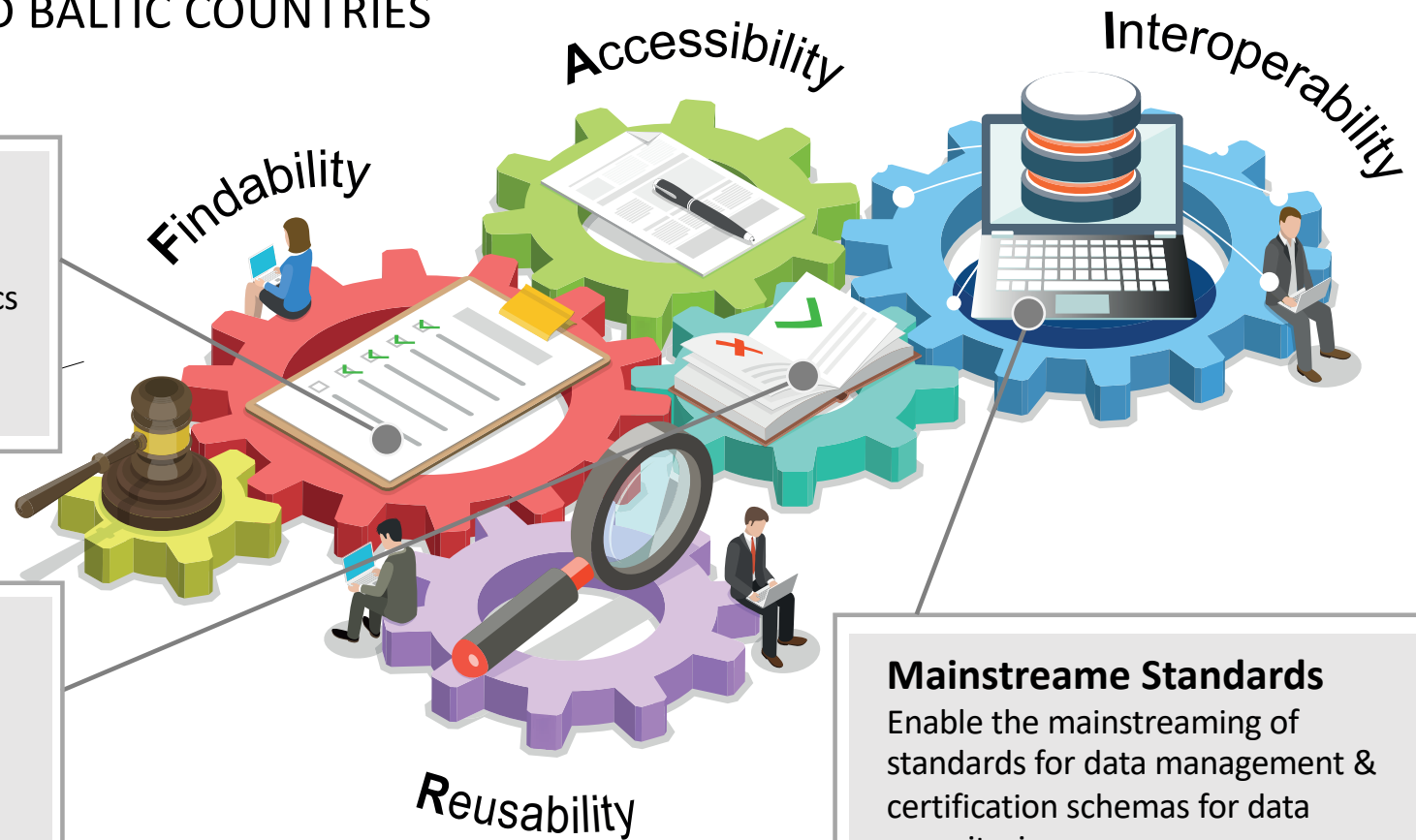
DEVELOPING FAIR DATA PRACTICES

ACROSS THE NORDIC AND BALTIC COUNTRIES

Investigate Practices
Investigate and inform about the state of FAIR practices in the Nordics and the Baltics, looking at national policies and practices.

Develop Incentives
Develop and promote incentives for the uptake of FAIR data practices across national scientific communities

Mainstream Standards
Enable the mainstreaming of standards for data management & certification schemas for data repositories



DEMONSTRATING THE POTENTIAL OF EOSC

USING THE NORDIC AND BALTIC COUNTRIES AS A TESTBED ENVIRONMENT.

DISCOVER AND RE-USE RESEARCH DATA

Foster the discoverability and re-use of research data. Harvesting metadata in the future EOSC **metadata catalogue**.

SENSITIVE DATA AND ORCHESTRATION

Piloting an orchestration mechanism that brings national secure servers together, allowing the analysis of sensitive data without moving data away from the custodian.

ANALYSIS AND POST-PROCESSING

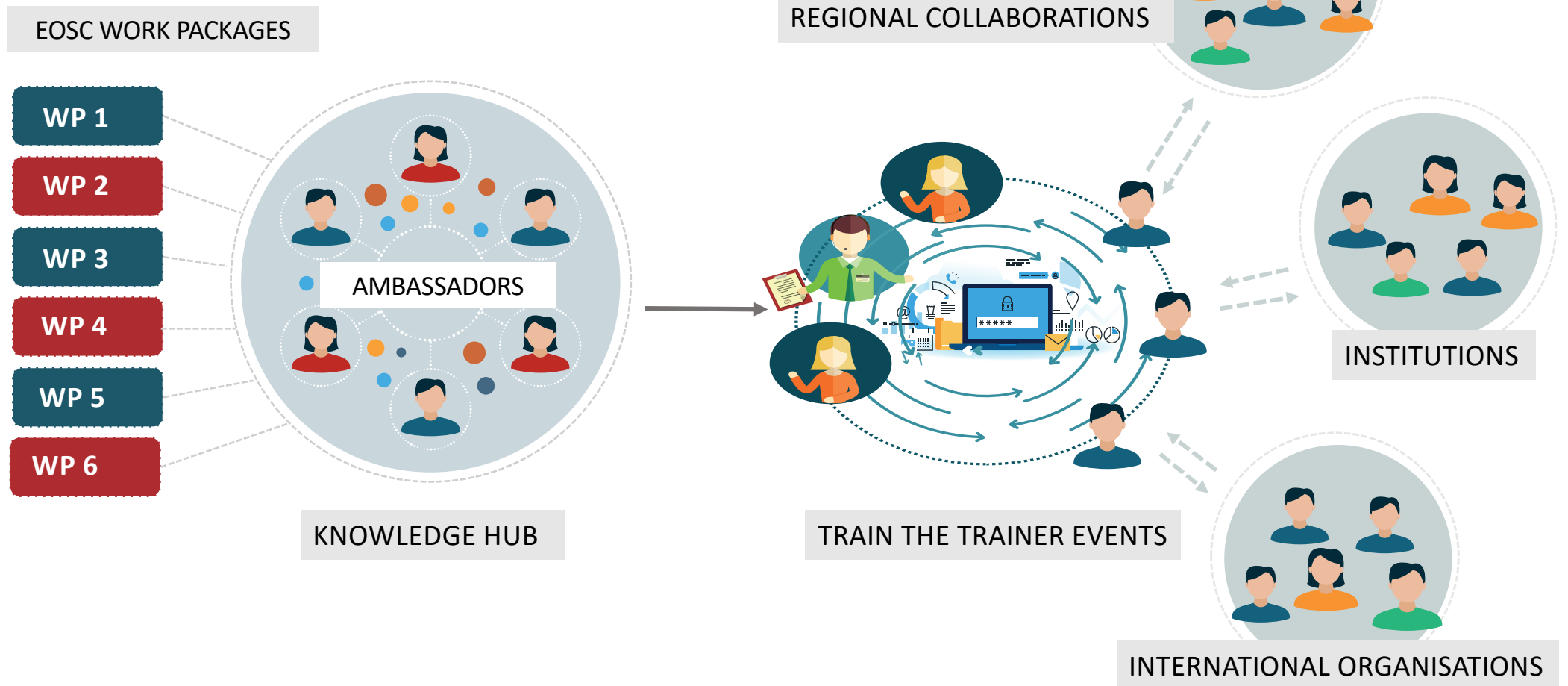
Integration of community specific portals with large scale computing facilities and pilot usage of computing resources across borders

DATA MANAGEMENT SHARING AND ARCHIVING

Facilitating cross-borders data sharing by enabling data management on a distributed environment.

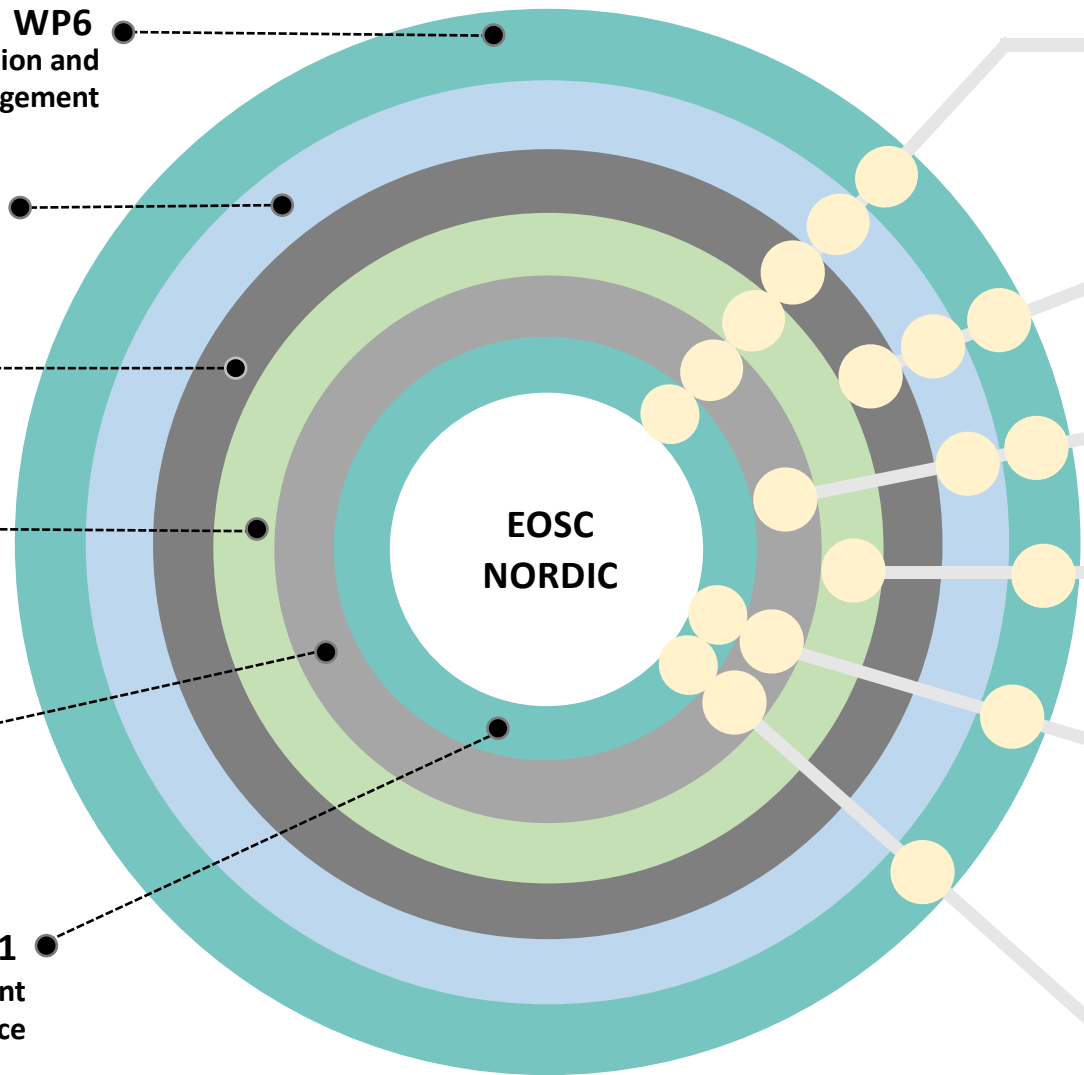


INTEGRATION AND DISSEMINATION THE KNOWLEDGE HUB MODEL



WORK PACKAGES

- WP6**
Communication and Engagement
- WP5**
Open Research Demonstrators
- WP4**
FAIR Data
- WP3**
Support to EOSC Service providers
- WP2**
Policies, legal issues and sustainability
- WP1**
Project management adm. & Finance



STAKEHOLDERS INVOLVEMENT

-  e-Infrastructure- and service providers
-  Data repositories
-  Research communities and institutions
-  Universities & Libraries
-  Research Councils and Funding Agencies
-  Governmental agencies and Ministries