

Project Overview

e-InfraCentral, Tallinn, 20.06.2019



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



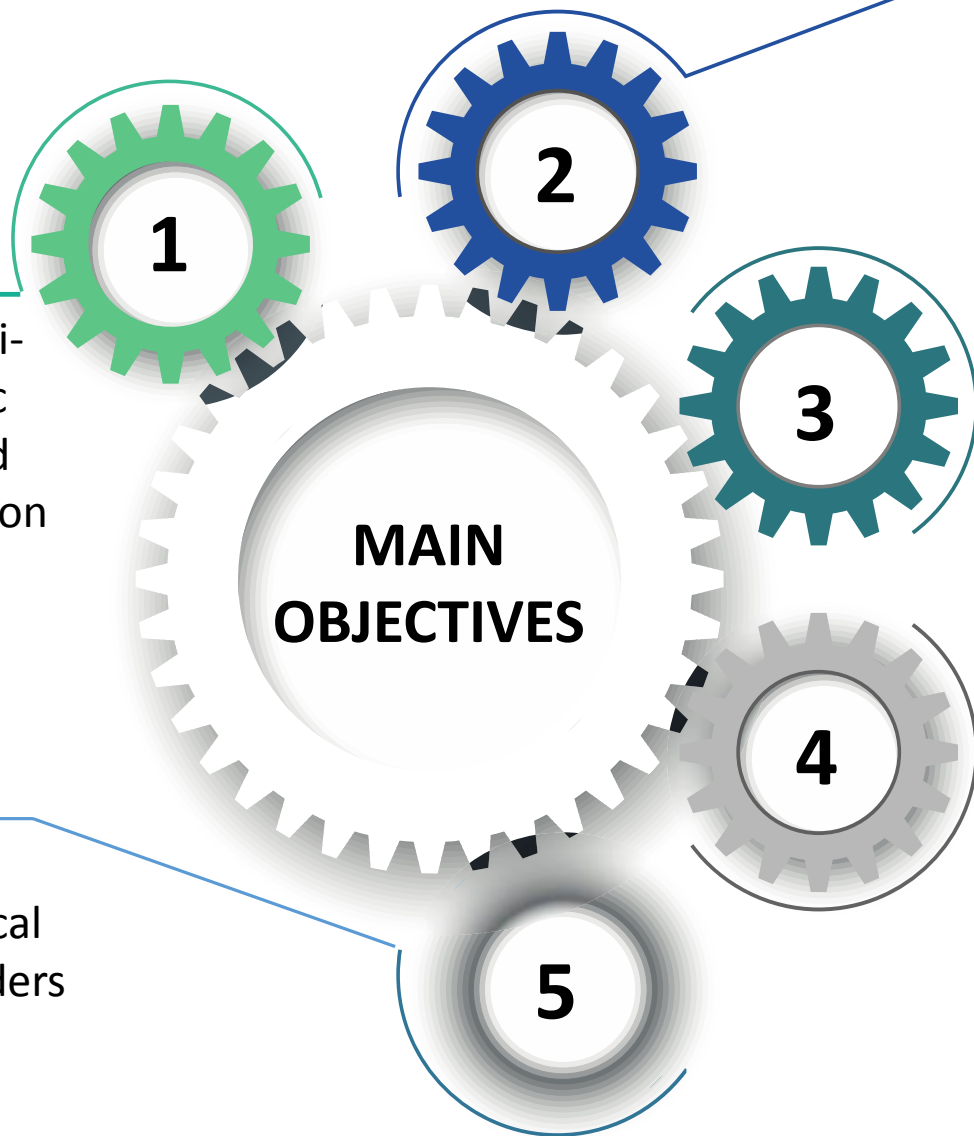
OBJECTIVE 1

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

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



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.

DEVELOPING FAIR DATA PRACTICES

ACROSS THE NORDIC AND BALTIC COUNTRIES

Investigate Practices

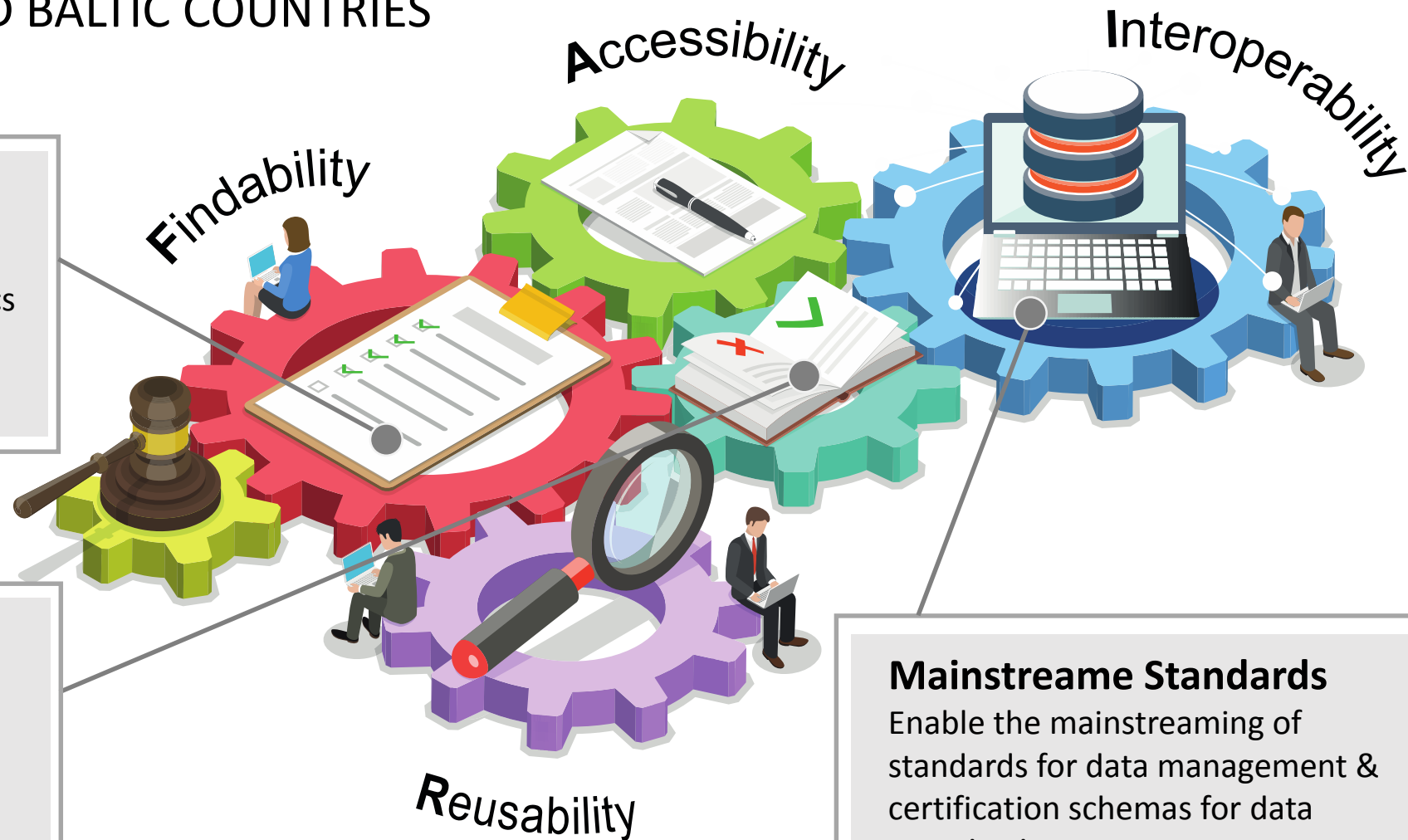
Investigate and inform about the state of FAIR practices in the Nordics and the Baltics, looking at national policies and practices.

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

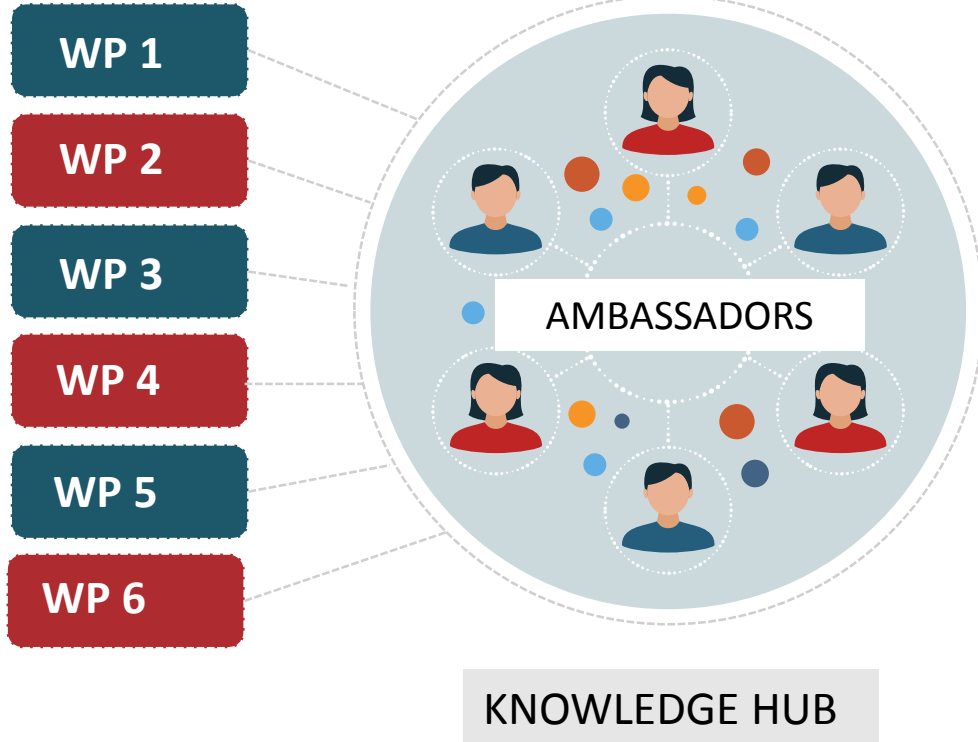
Facilitating cross-borders data sharing by enabling data management on a distributed environment.



INTEGRATION AND DISSEMINATION

THE KNOWLEDGE HUB MODEL

EOSC WORK PACKAGES



The Nordics & EOSC Working Groups

Landscape

- **Odd Ivar Eriksen**, Research Council of Norway
- **Susanna Nykyri**, Tampere University Library, Finland
- **Sanja Halling**, Swedish Research Council, Sweden
- **Thomas Mitdgaard**, Ministry of Science and Higher Education, Denmark

Rules of Participation

- **Cathrin Lund Myrhe**, Norwegian Institute for Air Research, Norway
- **Pirjo-Leena Förström**, CSC – IT Center for Science, Finland
- **René Belsø**, Danish Technical University, Denmark

Architecture

- **Francesca Iozzi**, Uninnet SIGMA2, Norway
- **Ville Tenhunen**, University of Helsinki, Finland
- **Leif Johansson**, Swedish Research Council, Sweden
- **Josva Kleist**, Aalborg University, Denmark

FAIR

- **Jan Magnus Aaronsen**, University of Oslo, Norway
- **Juuso Marttila**, University of Jyväskylä, Finland
- **Magnus Eriksson**, Swedish Research Council, Sweden
- **Anders Sparre Conrad**, University of Copenhagen, Denmark

Sustainability

- **Roar Skålin**, The Norwegian Meteorological Institute, Norway
- **Henrikka Mustajoki**, Federation of Finnish Learned Societies, Finland
- **Maria Häll**, Swedish Research Council, Sweden
- **Johnny Mogensen**, Ministry of Science and Higher Education, Denmark