

Work Package 2, T 2.1

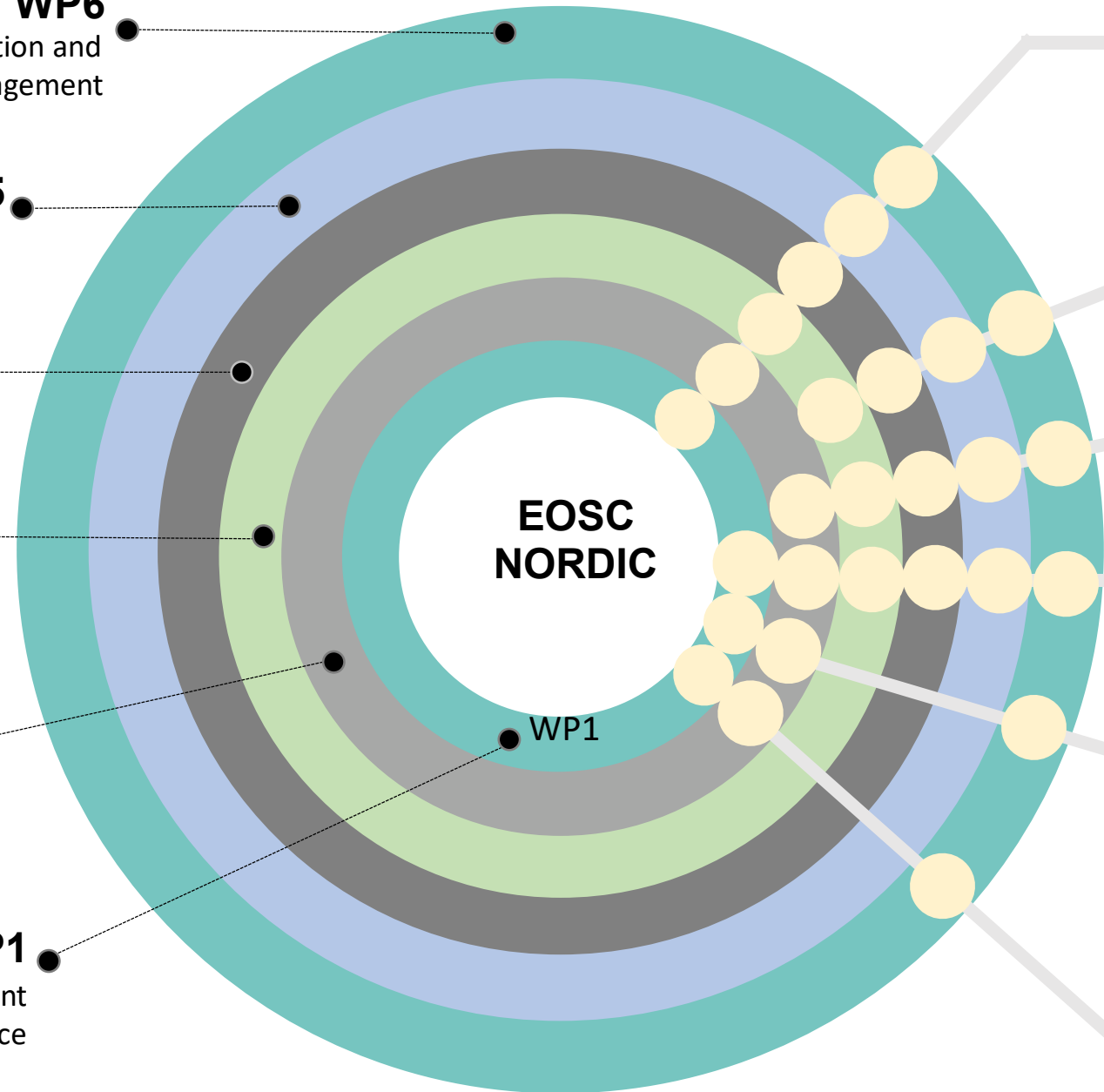
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D2.5: Open Science policies and resource provisioning in the Nordic and Baltic countries (second report)



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 & Funding Agencies
-  Governmental agencies and Ministries

EOSC NORDIC

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

OBJECTIVE 1

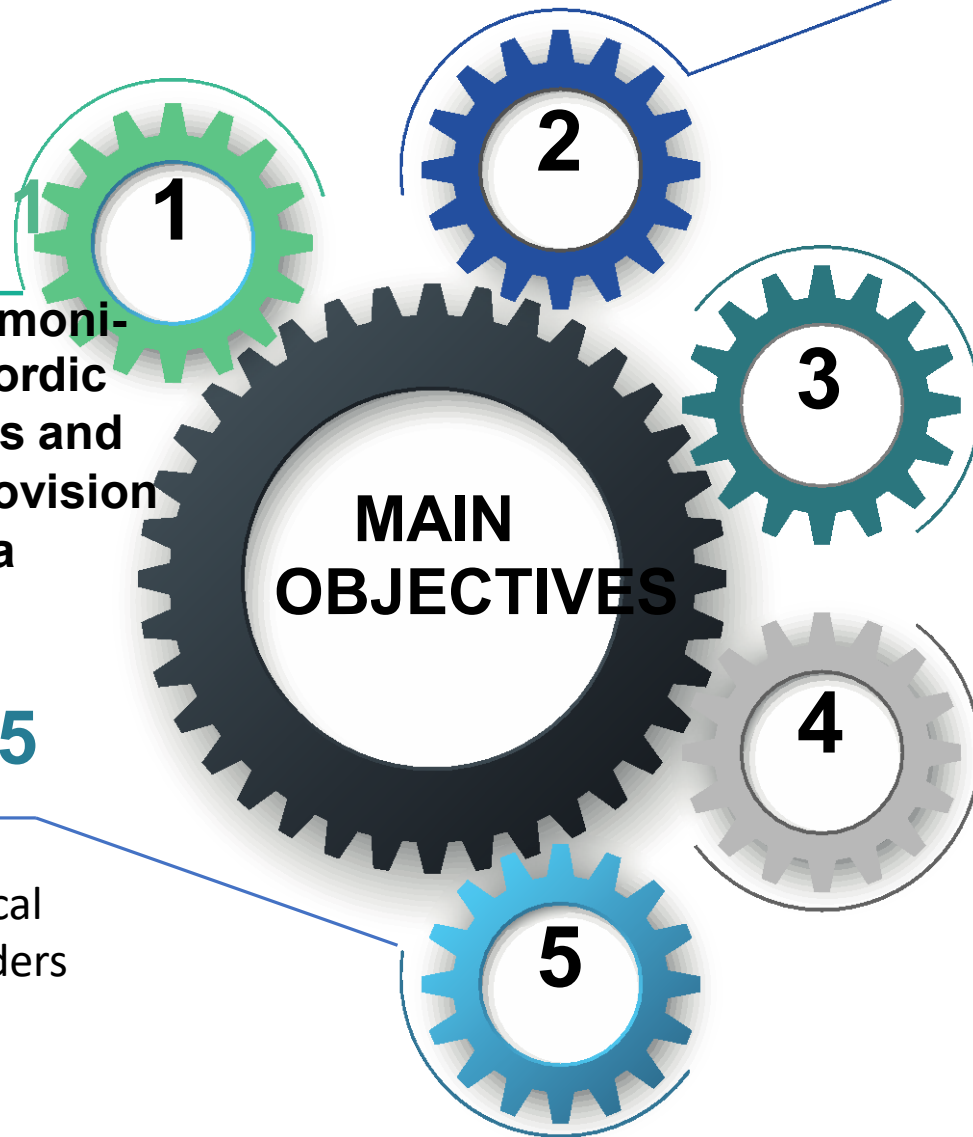


Support coordination, harmonisation and alignment of Nordic and Baltic national policies and practices related to the provision of horizontal research data services with EOSC

OBJECTIVE 5



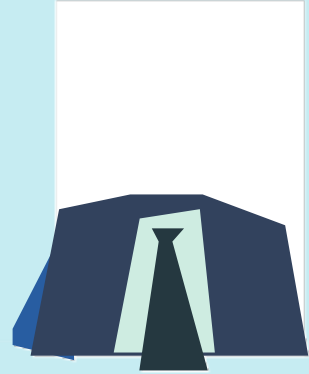
Provide a Knowledge Hub to deliver training and technical support to new service providers and communities willing to engage with EOSC during and after the project lifetime





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.



D2.5: Open Science policies and resource provisioning in the Nordic and Baltic countries (second report)

- Update of the state of play regarding Open Science in the Nordics and Baltics
- Inventory of different aspects of FAIR in the Nordics and Baltics
- Inventory of policies facilitation of cross border research



D2.5: Open Science policies and resource provisioning in the Nordic and Baltic countries (second report)

For this deliverable the authors have performed desk top studies and described any documentation such as written guidelines, policies et.al.

relating to specific focus areas.

The focus areas chosen are:

- policy implemented incentives for FAIR,
 - policies for Open Science (OS) training / training for making data FAIR,
 - policies for making other research objects FAIR
 - policy facilitation of cross border research.
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- The countries in the scope of the deliverable are Denmark, Estonia, Finland, Norway, Latvia, Lithuania and Sweden.



policy implemented incentives for FAIR

Why did we choose to focus on policy implemented incentives for FAIR?

- The FAIR in Practice Task Force of the EOSC FAIR Working Group, has set Six Recommendations for Implementation of FAIR Practice.
- One of these recommendations is *Reward and recognise improvements of FAIR practice.*



policy implemented incentives for FAIR

Key points regarding policy implemented incentives for FAIR

- Policy implemented incentives are either in the form of national policies e.g. Finland
- or law e.g. Estonia.

- Policies may be authored by different organisations:
 - organisations with national mandates, such as funders,
 - organisations with a subnational mandate, such as Higher Education Institutions (HEI:s).

- different stakeholders are involved, ranging from ministries, and funders to HEI:s and libraries.



Policies for OS training/ training for making data FAIR/ policies that involve OS training

Why did we choose to focus on for OS training/training for making data FAIR / policies that involve OS training?

The FAIRsFAIR project recommendations highlights the need for training:

“Researchers and data stewards should receive practical guidance on how to implement FAIR within different domains – particularly with regard to data description using appropriate metadata standards, data tags and ontologies. A commitment is needed from all stakeholders to support and meet training needs relating to Open Science.”



Policies for OS training/ training for making data FAIR, policies that involve OS training

Key points regarding Policies for OS training/training for making data FAIR, or policies that involve OS training

- Policies for (OS) training/training for making data FAIR /policies that involve OS training, are available in some countries, e.g. on institutional level in Denmark and Estonia. There are national level drafts in Finland and Latvia.
- In countries where neither policies or training is available, there is awareness of the importance, reflected in draft policies, such as in Lithuania.
- different stakeholders are involved, ranging from ministries, and funders to HEI:s and libraries.



Making other research objects FAIR

Why did we focus on making other research objects FAIR?

- Other research objects: *“but also to the algorithms, tools, and workflows that led to that data. All scholarly digital research objects—from data to analytical pipelines—benefit from application of these principles, since all components of the research process must be available to ensure transparency, reproducibility, and reusability.”*
- Making other research objects FAIR is identified by the FAIR in Practice Task Force of the EOSC FAIR Working Group, as an area in need for further studies.
- One of the Task Force recommendations is to *“Develop and monitor adequate policies for FAIR data and research objects”*



Making other research objects FAIR

Some key points regarding policies for making other research objects FAIR.

- Most countries do not have policies in place for making other research objects FAIR.
- A conclusion is that making other research objects FAIR is an area in need of focus. This in order to ensure transparency, reproducibility, and reusability of research.



Summary regarding FAIR

Some key points regarding policies for making other research objects FAIR.

	Incentives for FAIR			OS TRAINING			SOFTWARE		
	YES	NO	DRAFT	YES	NO	DRAFT	YES	NO	DRAFT
Denmark	N			A	N		N		
Estonia		N		A	N			N	
Finland			N	A		N		N	
Latvia		N				N		N	
Lithuania	N			A	N			N	
Norway		N		A	N			N	
Sweden	N			A/M				N	

Note: N= National level policy A= University/institution/service provider level activity M= mentioned in policy/report at national level



Policy facilitation of cross border research

Why did we choose to focus on Policy facilitation of cross border research?

- Open Science, including FAIR, and access to e-infrastructure, are aspects that are at the core of EOSC, as highlighted in the EOSC Rules of Participation and the EU Open Science policy.



Policies that facilitates cross border research

Some key points:

- One country, Estonia, has a policy that mentions facilitation of cross border research in the sense that national e-infrastructure is promoted to international users.
- The remainder of the inventoried countries have national policies, regarding access to e-infra services, which focuses on researchers with national affiliation access to services.
- A conclusion is that in the Nordic and Baltic region, facilitation of cross border research is not a focus in policies, but policies rather have a national scope.