RĪGAS TEHNISKĀ UNIVERSITĀTE

Latvia in EOSC-Nordic

Lauris Cikovskis, Ilmars Slaidins, Janis Kampars

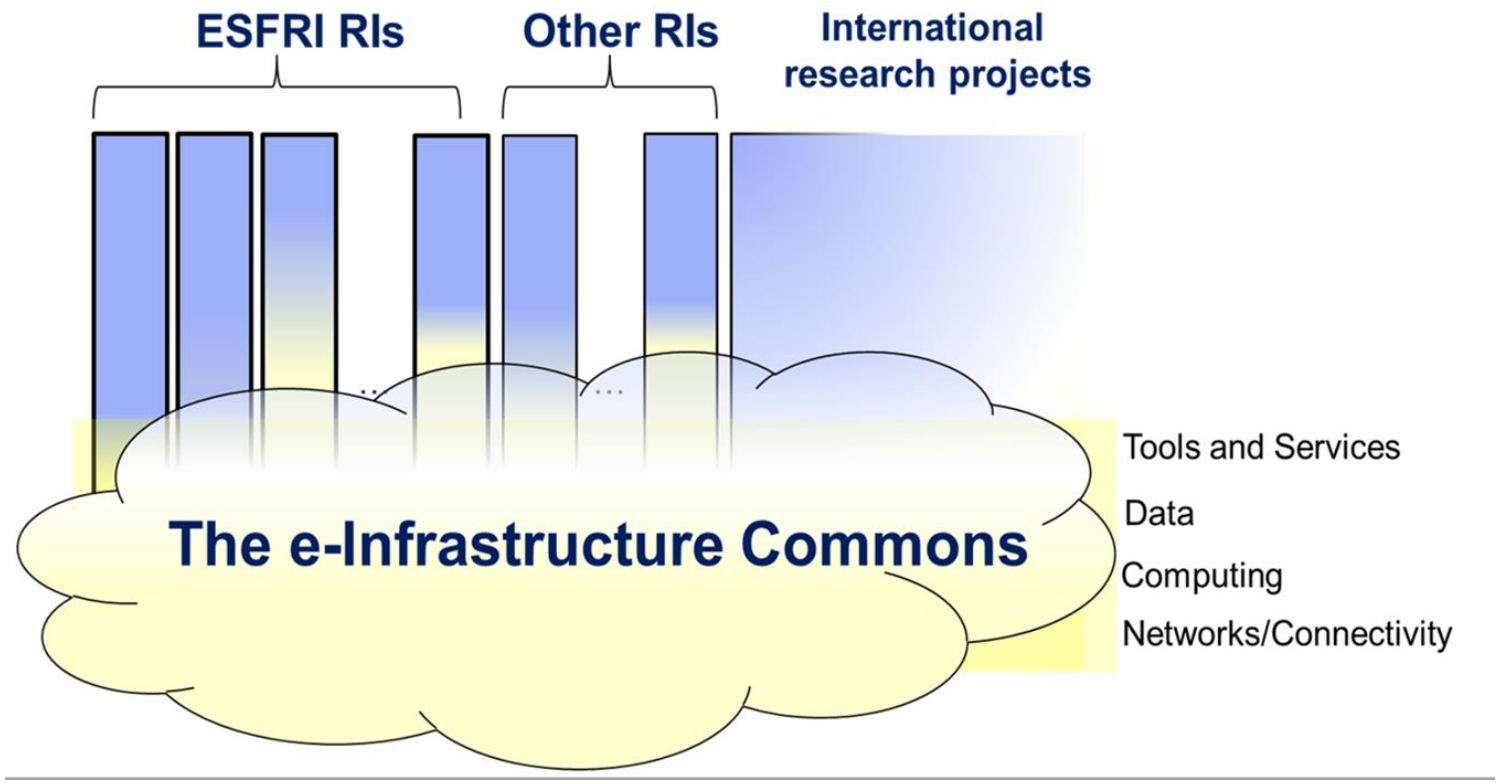
RTU HPC centre

Openness and open access

- Open University UK 1969
- Open Educational Resources (OER)
- MOOC Massive Open Online Course 2006
- E-Infrastructure Reflection Group (e-IRG),
- Baltic Grid projects (2005-2010)
- Open Innovation, Open Data, Creative Commons
- **Open Science**

Open Science aims at transforming science through ICT tools, networks and media, to make research more open, global, collaborative, creative and closer to society.
https://ec.europa.eu/digital-single-market/en/open-science

e-IRG on openness (2012)



"The e-Infrastructure Commons is the political, technological, and administrative framework for an easy and cost-effective shared use of distributed electronic resources across Europe."

More: http://e-irg.eu/commons

2018

EUROPEAN OPEN SCIENCE CLOUD

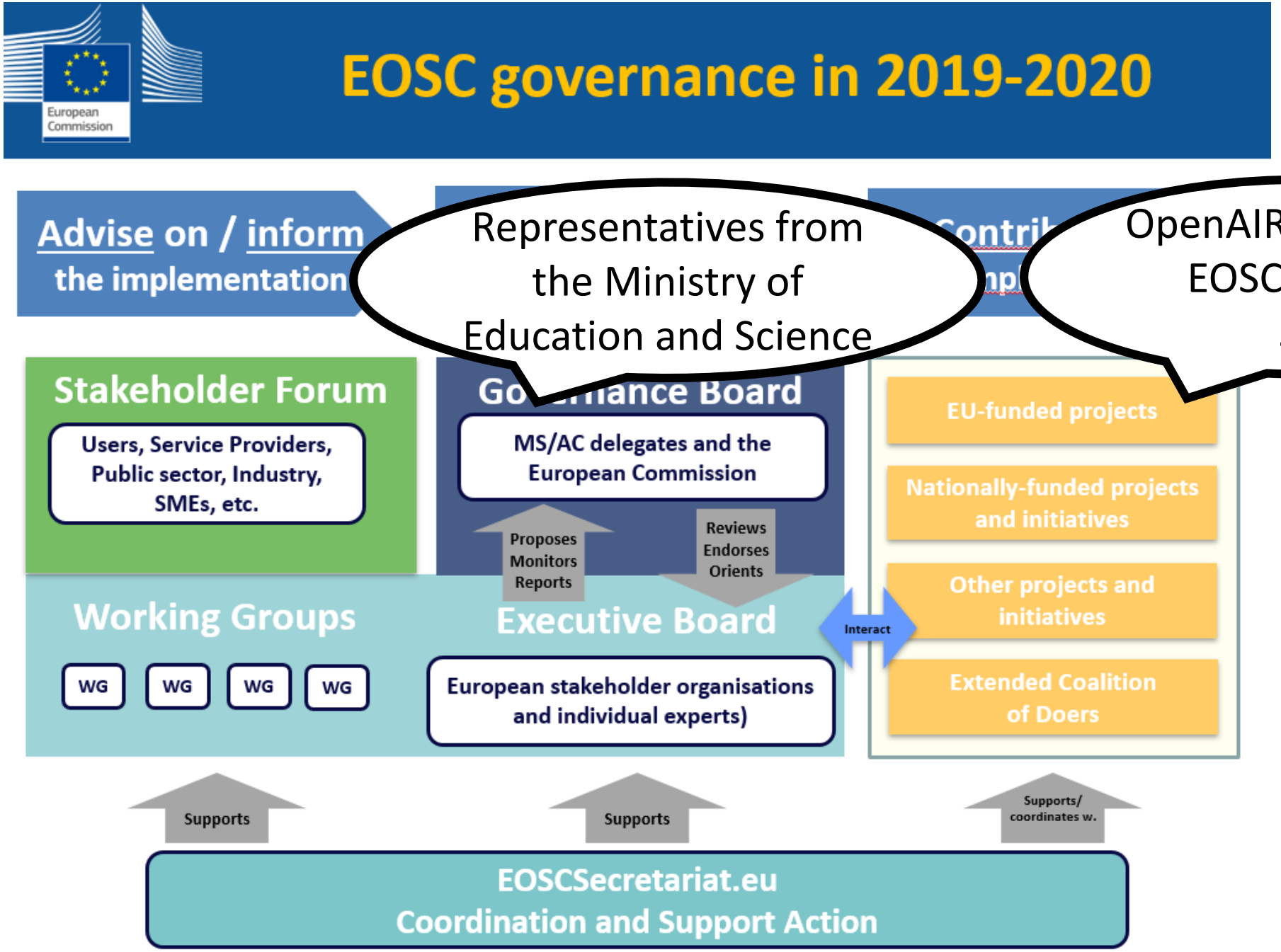
What is the EOSC?

- EC document: Brussels, 19.4.2016 COM(2016) 178 final «European Cloud Initiative - Building a competitive data and knowledge economy in Europe» [1]
- …develop a trusted, open environment for the scientific community for storing, sharing and re-using scientific data and results, **the European Open Science Cloud**

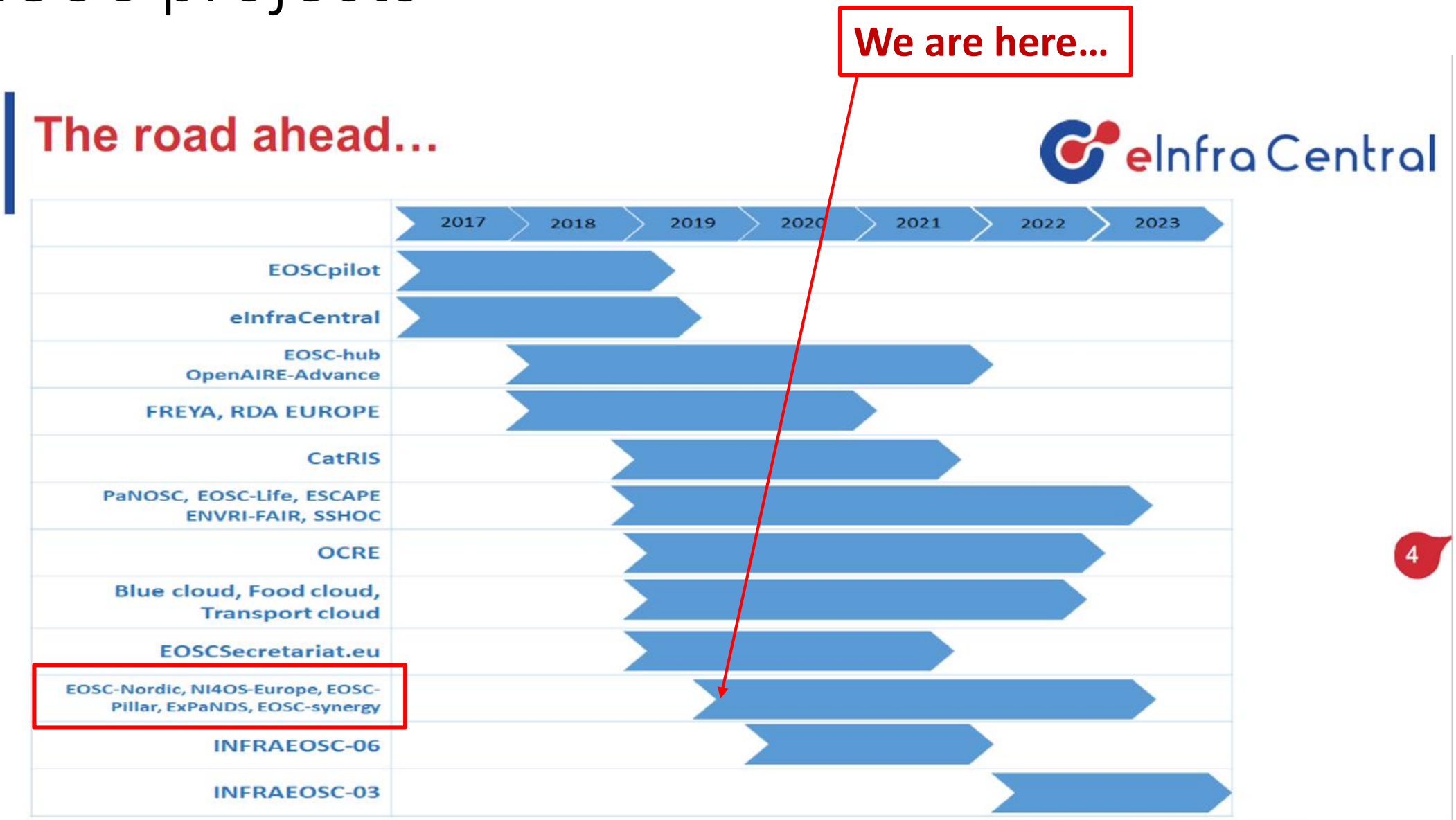
- EOSC Pilot project 01.01.2017
- EOSC declaration 26.10.2017
- EOSC launch event 23.11.2018

[1] https://eur-lex.europa.eu/legal-content/EN/TXT/PDF/?uri=CELEX:52016DC0178&from=en

EOSC governance in 2019-2020

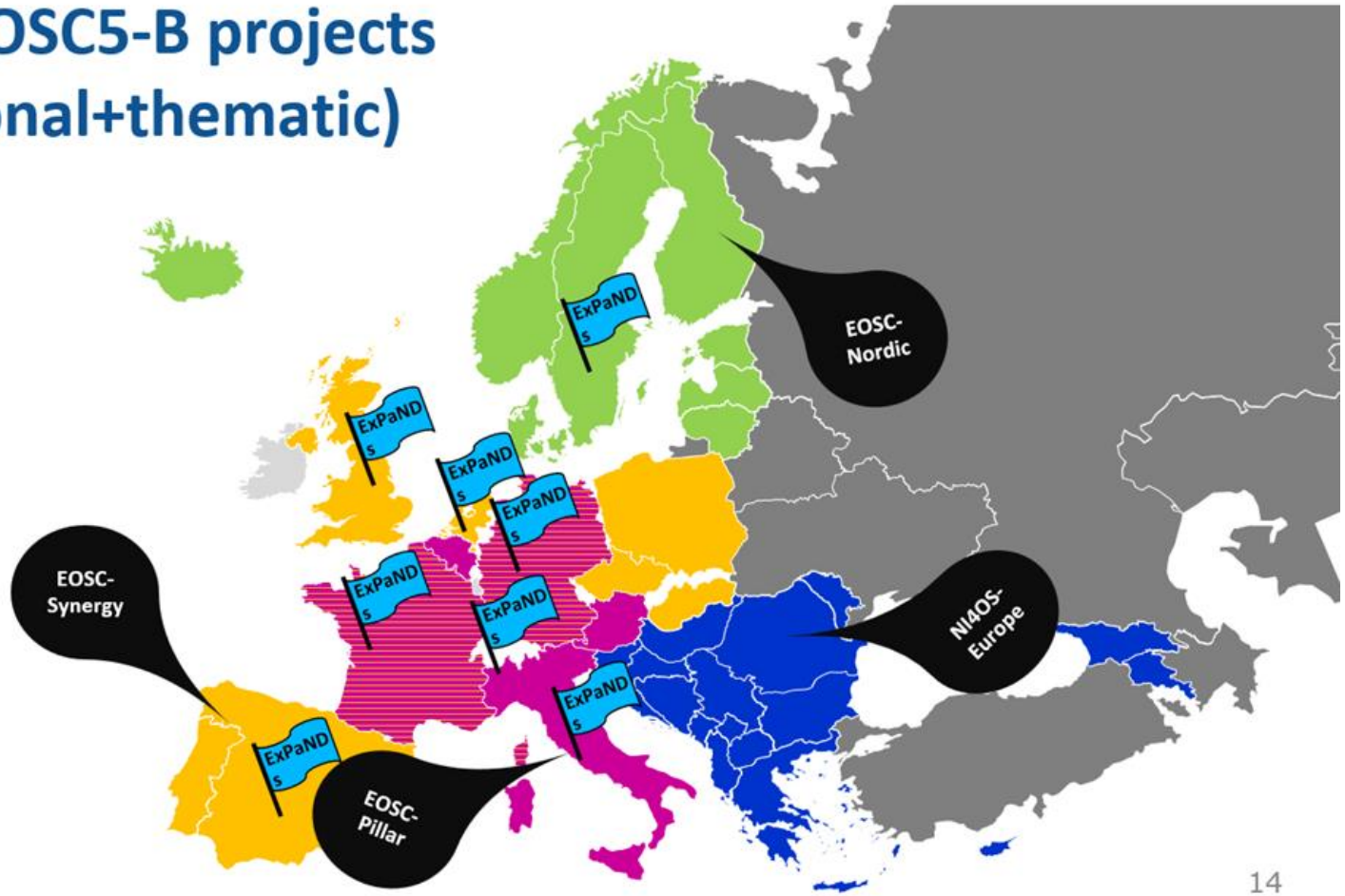


EOSC projects



The role of the INFRAEOSC 05 projects

INFRAEOSC5-B projects (regional+thematic)



Credits to EOSC-Pillar

About EOSC-Nordic

Nordic-Baltic coordination towards EOSC

24 participants

Coordinator: NordForsk

Latvia is represented by RTU

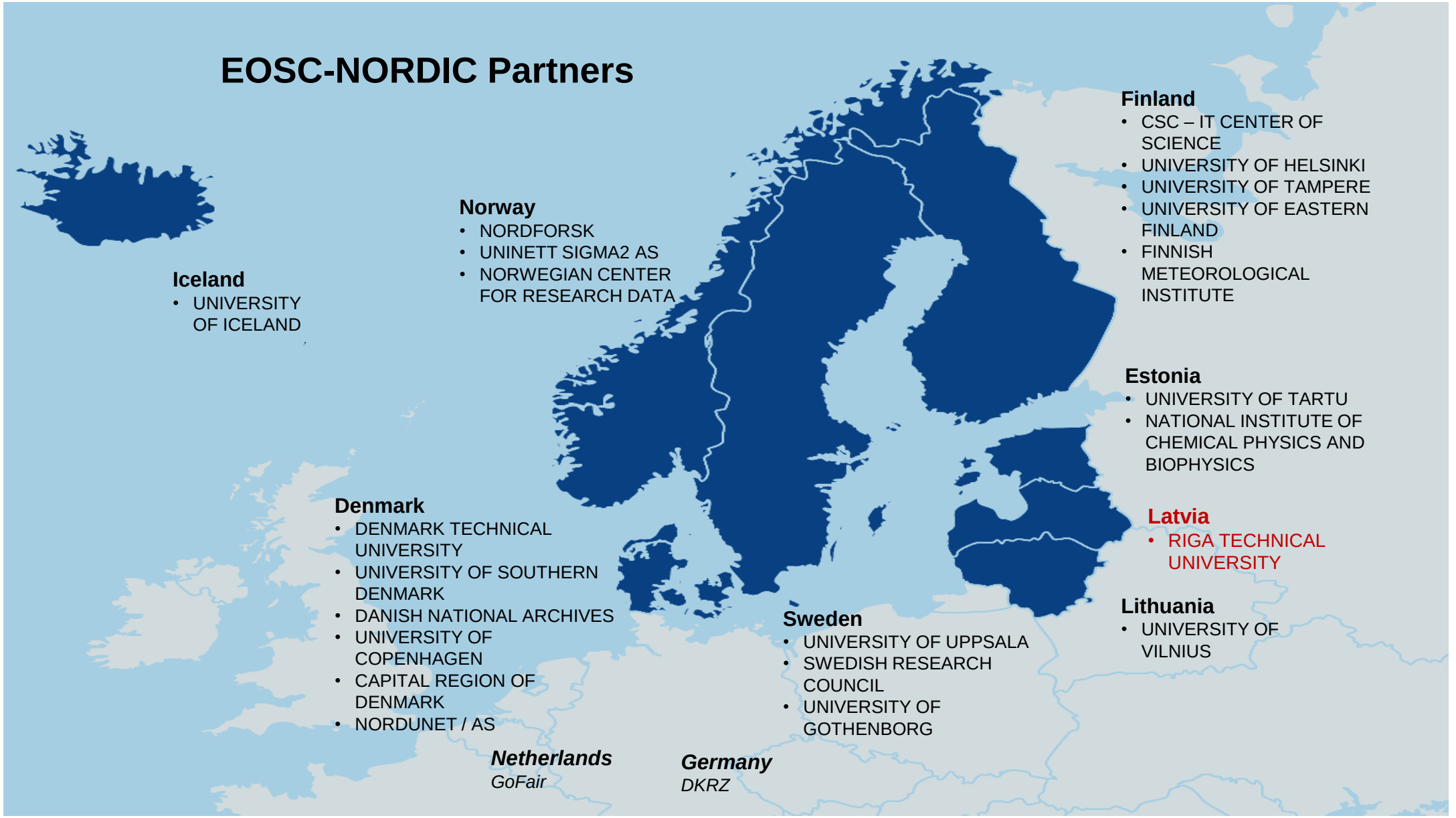
Budget: 5.9M €

Kick-off date: 01.09.2019

3 years

The EOSC-Nordic project's overall objective is **to foster & advance the take-up of the European Open Science Cloud at Nordic and Baltic countries** by coordinating the EOSC relevant initiatives taking place in this region. The project will exploit synergies to achieve greater harmonisation at policy and service provisioning level across the Nordic and Baltic countries, and other EU countries, in compliance with EOSC agreed standards and practices.

EOSC-NORDIC Partners



Iceland
- UNIVERSITY OF ICELAND

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

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

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

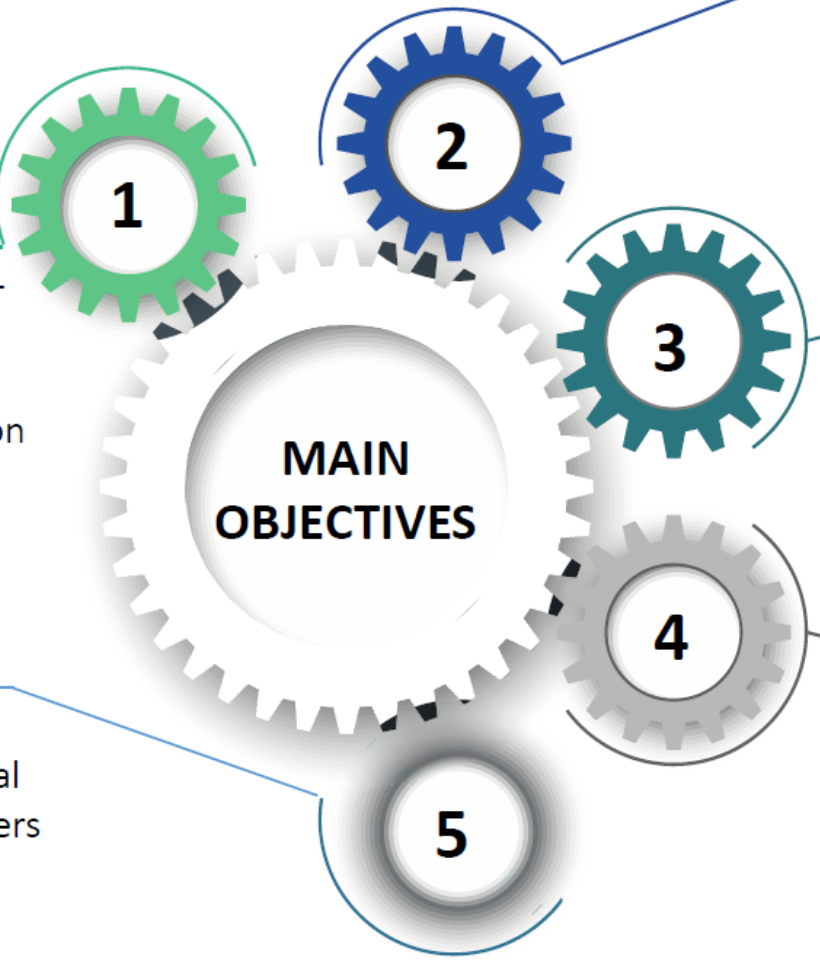
Sweden
- UNIVERSITY OF UPPSALA
- SWEDISH RESEARCH COUNCIL
- UNIVERSITY OF GOTHENBORG

Netherlands
GoFair

Germany
DKRZ

Objectives

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 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

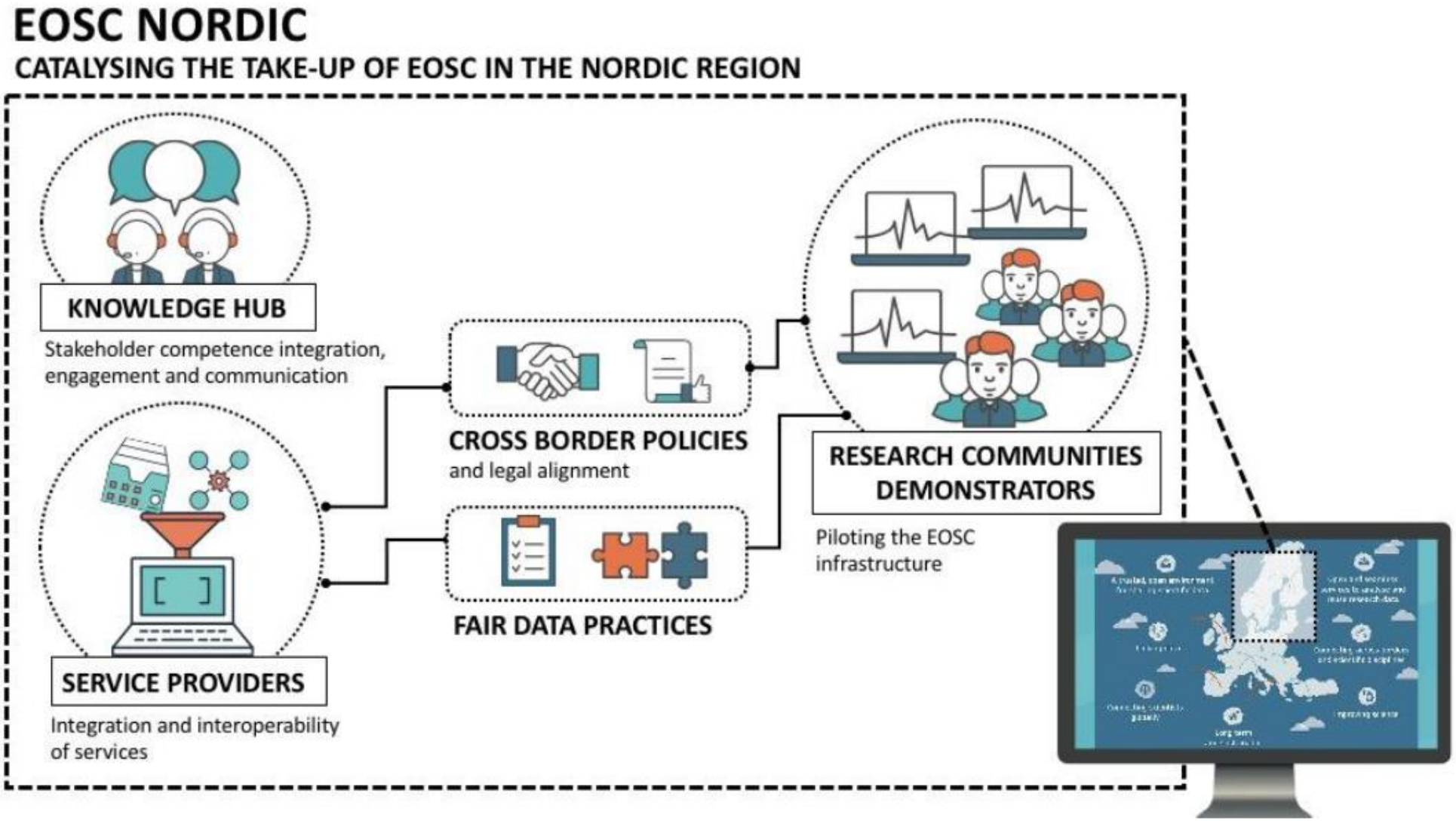
OBJECTIVE 4

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

OBJECTIVE 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

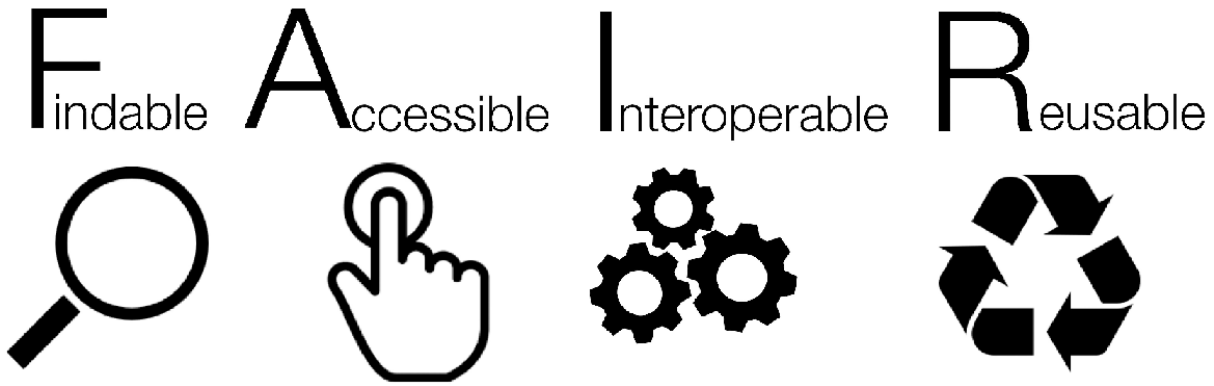
EOSC-Nordic high-level approach

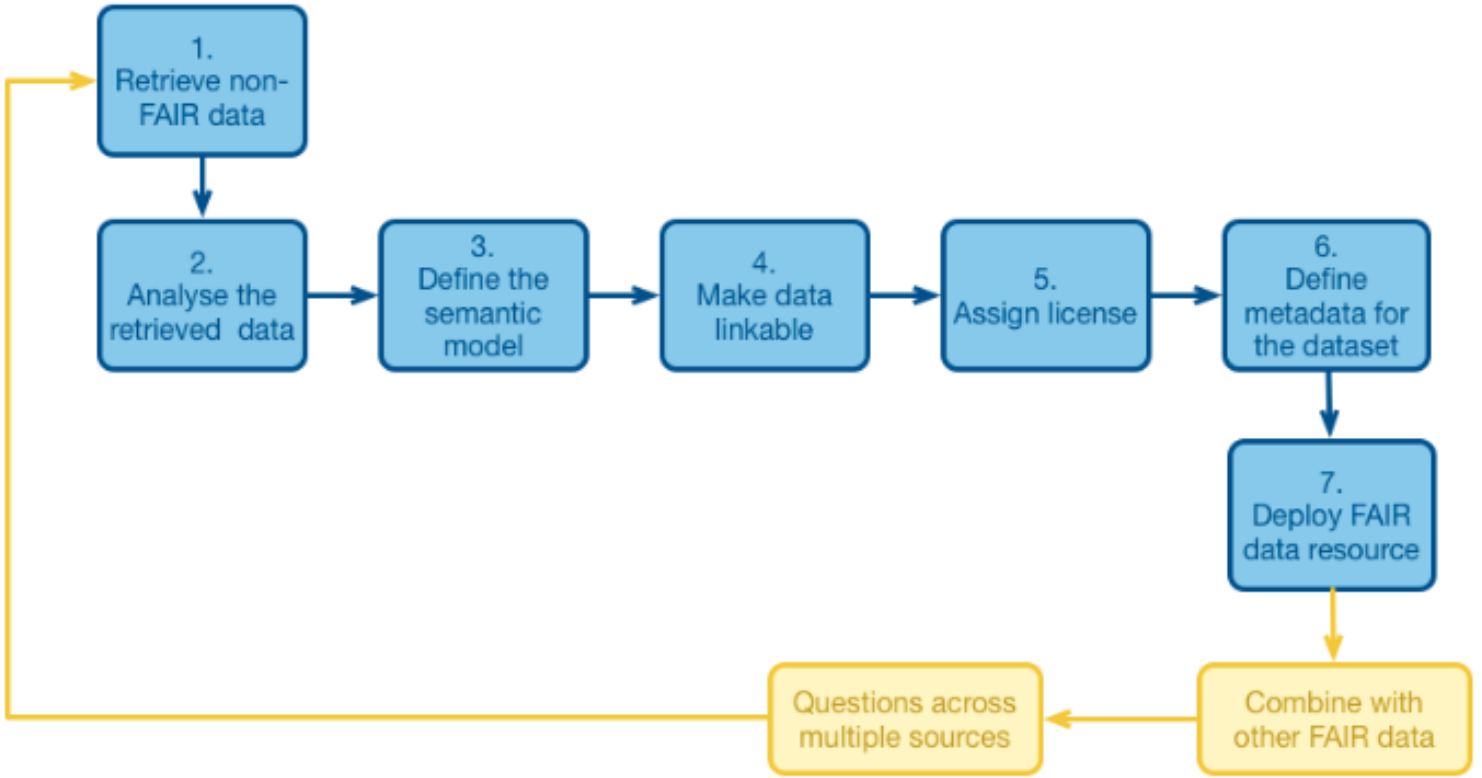


Our role in the project

- **WP2-Policies, legal issues and sustainability**
  - Open science policies & resource provisioning in Latvia
  - Legal issues of opening up and delivering services in a cross border environment
  - Fostering a coordinated policy approach towards EOSC - *Ensuring engagement and commitment from policy-makers*
- **WP3- Support to EOSC-Nordic service providers**
  - Integrating service providers & services in EOSC-*Identification & description of EOSC prospective service providers & candidate services from Latvia*
- **WP4 FAIR data**
  - State of FAIR practices in the Nordics - *Overview of Latvian data repositories and their functionalities,* ***Boosting FAIR metric scores***

FAIRification process





https://www.go-fair.org/fair-principles/fairification-process/

Conclusion

- Different project activities will follow (questionnaire, workshop on FAIR data etc.)
- How Latvian scientists can benefit from the opportunities provided by EOSC?
- EU could save €10.2 billion per year by using FAIR data ☺!!! https://ec.europa.eu/research/openscience/index.cfm

Thank you!

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