Finnish perspective and developments regarding EOSC

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EOSC Declaration

- Conclusion of EOSC Summit 12 June
  - A Declaration and more than 30 statements about
    - Data Culture and FAIR Data
    - Research Data Services and Architecture
    - EOSC Governance and Funding

- So how is the Open Science Weather in Europe and in Finland?

An Analysis of Open Data and Open Science Policies in Europe, May 2017

- SPARC and DCC find seven countries in Europe with national open data/science policies

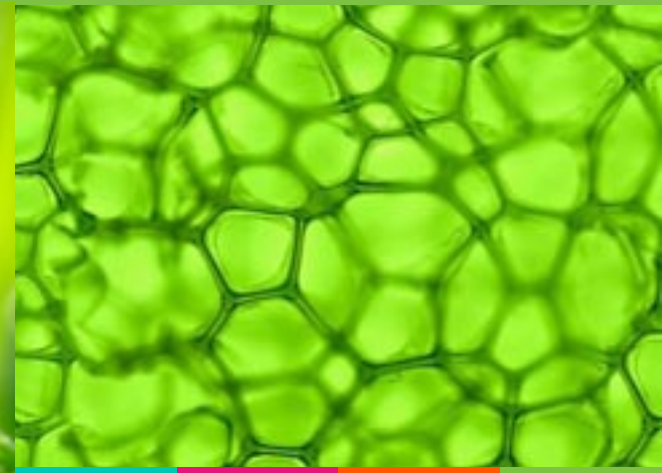## Overview table: countries with national policies in place

MEMBER STATE / COUNTRY	TYPE OF POLICY (STATUTE, GOVERNMENT MINISTRY, FUNDER POLICY)	YEAR POLICY CAME INTO EFFECT	SPONSORING ORGANISATION (MINISTRY, FUNDER, ETC)	SCOPE / COVERAGE BEYOND DATA	LINKED TO OA / OPEN SCIENCE POLICY?	SOFT/ HARD[3]	COVERAGE OF SKILLS OR TRAINING?	MONITORING AND/ OR COMPLIANCE[4]
EU								
BE	Code of Ethics	2009	Learned Societies, supported by Federal Government	Protocols	No	Hard	No	No
CY	Joint policy of Government and Funder	2016	Working group involving government ministry, funder and universities	Publications	Yes	Soft	No	No
DK	National Plan	2015	Steering group involving universities, libraries and national ICT infrastructure provider	Software, protocols	No	Hard	Yes	No
EE	National Plan	2016	Research Council	Publications, code, methodologies	Yes	Hard	Yes	No
FI	National Plan	2014	Ministry	Publications, tools, methodologies	Yes	Hard	Yes	Yes
FR	Law	2016	Parliament	Covers data alongside many other ICT related issues, including OA	Yes	Hard	No	No
DE	Funder Policy	2010	Research Council	Software, methods	No	Hard	No	No
LT	Law / Funder Policy	2016	Research Council / Parliament	Publications	Yes	Hard	No	Yes
NL	National Plan / Concordat	2017	Ministry	Publications	Yes	Soft	Yes	Yes
PT	Funder Policy	2014	Research Council	Samples, software, models	No	Soft	No	No
UK	Funder Policy / Concordat	2015/2016	Funding Council, Research Councils, Universities, Private Funder	Software (in the FAQs and Concordat)	No	Hard	Yes	No
NON EU								
NO	Funder Policy	2014	Research Council	Only data	No	Soft	Yes	No
CH	White Paper	2014	Universities	Covers data alongside many other ICT related issues, including OA	Yes	Hard	Yes	Yes

http://sparceurope.org/new-sparc-europe-report-analyses-open-data-open-science-policies-europe/

Finland: Preliminary views on the EOSC Declaration

- Finland welcomes the EOSC declaration and sees the huge potential in it.

- Finland has been working with open science, open data and research clouds for a few years now. To continue our work we recently started a development program to advance data management and scientific computing. Our development program has many of the same elements as presented in the declaration (i.e. FAIR principles, DMP, skills & training, interoperability, long term preservation and HPC).

- For EOSC the right stakeholders need to be involved. Especially member states need to be involved and informed better. We propose that the EOSC governance will be as simple, flexible and clear as possible. There are already plenty of forums and groups involved in research infra, including e-infra, and the creation of new ones should be thought very carefully.

- There is existing funding for certain EOSC platforms but apparently no funding for the operational level and for the governance level."

- Enough attention should be paid on legal interoperability, which sits on top of all the other interoperability layers.

- There is already similar work done within the Inspire and PSI world and these should be reused, such as the new interoperability framework (EIF).

So where is Finland in terms of implementation with the EOSC declaration?

Topic in the EOSC declaration	Finland Open Science and Research Initiative	for export	
Data Culture	• Evaluation of the openness of the operational culture of Finnish research organisations and research funding organisations • The Open Science and Research Roadmap 2014-2017 • Handbook for open science and research (in Finnish only) • Services for open science supporting the openness of research and research outputs.	• • •	http://openscience.fi/openculture http://openscience.fi/open-science-and-research-roadmap-2014-2017 http://openscience.fi/services
OA by default	• National data policy recommends CCBY4.0 for all research output, which is also echoed in the roadmap • Public Administration Recommendation (JHS 189) proposes either CCBY4.0 or even CC0 when there is no need to single out the data or to mention the producer of the data.		
Skills	• Extensive series of training on Open Science for research management in 2015 – 2016 • On-line open introductory course into the practices of Open Science • Webinars and seminars • Handbook for open science and research	•	http://openscience.fi/open-science-expert-training
Rewards	• CV model for the researcher: Rewards, incentives and recognition for researchers practicing Open Science		
FAIR, standards	IOW – Interoperability workbench • Developed for the Ministry of Finance but could be applied for research as well • The method ensures that shared definitions are applied in a systematic way and the semantics are passed to every implementation that re-uses the interoperability descriptions. • DCAT application profile for research data	•	iow.csc.fi (beta)
Data Management Plans	• DMPTuuli (based on DMPonline) in use and adjusted to the requirements of research organizations and research funders. • The major research funding organizations in Finland (Academy of Finland and Tekes) require the usage of DMPs for their research grant applications and recommend to use DMPTuuli. In Autumn 2016 over 70% of proposals used DMPTuuli	•	http://openscience.fi/tuuli
Legal	• Metadata related to IPR – study (in Finnish) • Study on the on the needs for legislative amendment to promote parallel publishing (in Finnish)	•	http://www.doria.fi/handle/10024/133690

EOSC architecture	• The framework for Open Science and Research
	  o gives an overview of how various actors' open science and research processes as well as supporting services will form an interoperable system
	  o This target architecture will guide the national principles of openness that govern the data and services used in science and research, the exchange of information, and the development of services that support openness.
		•	http://openscience.fi/framework-for-open-science

Implementation	Finland favors the usage of open interfaces		
User needs	Sharing and exchange of use cases and experiences, user profiles and insight interviews		