



European Strategy Forum
on Research Infrastructures

The role of Research Infrastructures and ESFRI in EOSC

6 November 2019

La Palma, Spain

Mirjam van Daalen, Chair of ESFRI Task Force on EOSC

Role of RIs and ESFRI in EOSC I



- Overview of EOSC implementation and the link to Research Infrastructures.
- How will ESFRI follow up the EOSC development and how it can contribute to its ongoing or future activities.
- The new ESFRI EOSC Task Force as an important advisory tool will have a central role in the discussion, and in the preparation of a future oriented ESFRI position related to EOSC.

Role of RIs and ESFRI in EOOSC II

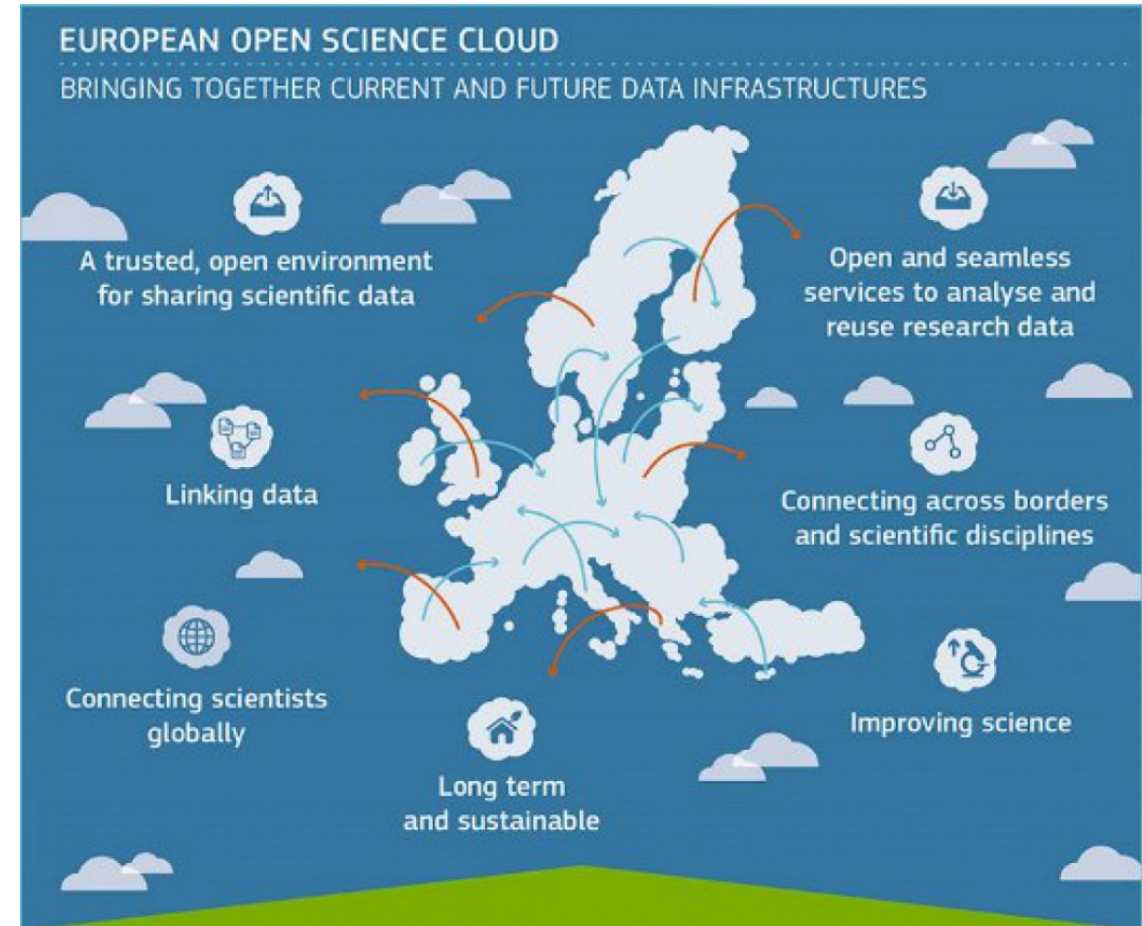


- Examples of ESFRI RI clusters, their approach and early achievements related to EOOSC implementation.
- An important issue will be communication to the different EOOSC bodies, and the question how to effectively spread ESFRI inputs to the EOOSC activities to create biggest impact on its implementation.
- New topics for a potential dedicated ESFRI Exchange of Experience workshop on EOOSC.

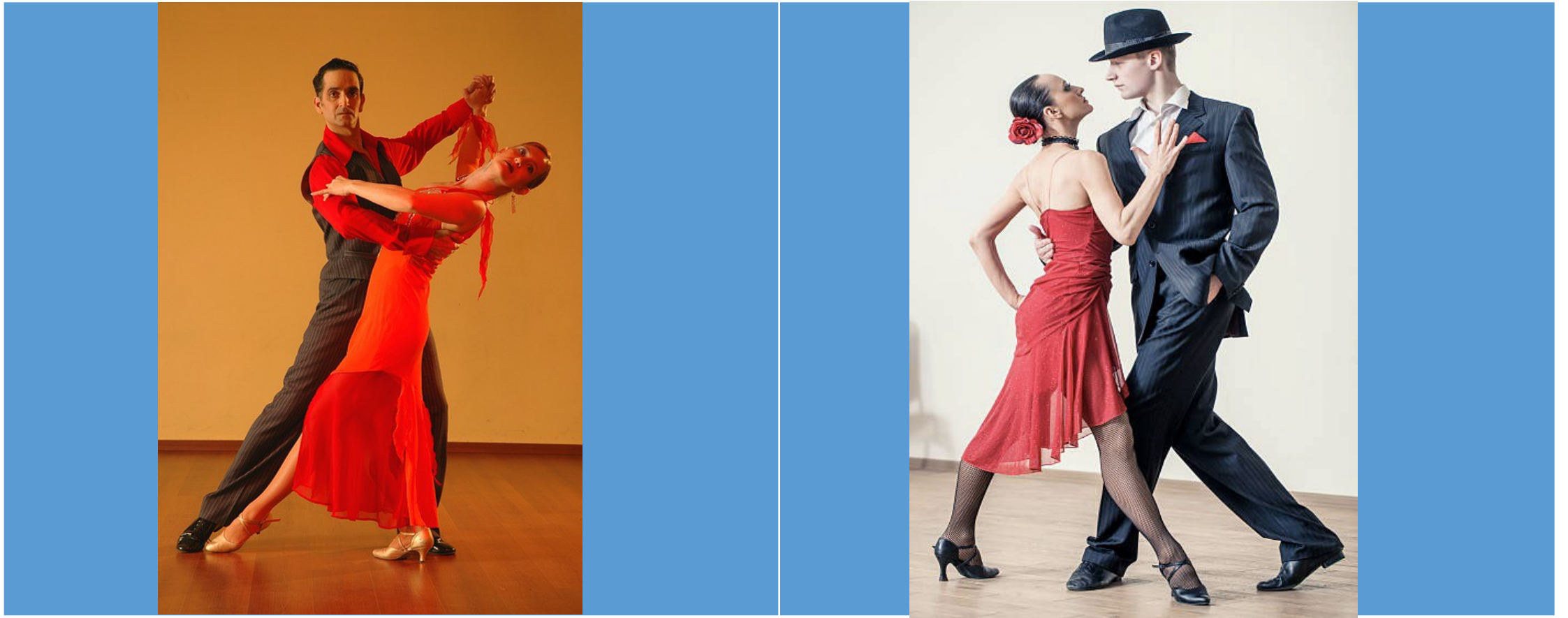
Why the EOSC? What is EOSC?

Enabling the digital transformation of research: towards more of data-intensive, collaborative and cross-disciplinary science

EOSC will provide EU researchers and innovators with a service environment for research data management, analysis and re-use across disciplines, increasing the creativity, productivity and reproducibility of research



EOSC and ESFRI RIs services: how do they tango?



ESFRI Task Force on EOSC July 2019

- Follow-up EOSC developments.
- Build relationships with different EOSC bodies and coordinate ESFRI inputs to the activities related to EOSC.
- Inform ESFRI about the EOSC implementation.
- Coordination of ESFRI activities related to the EOSC.
- Organise targeted meetings/workshops
- Draft EOSC strategic papers for ESFRI Forum
- Support StRESFRI2 WP5 - Fostering cooperation between ESFRI and e-Infrastructures/EOSC

**TASK
FORCE**



Members ESFRI Task Force on EOSC

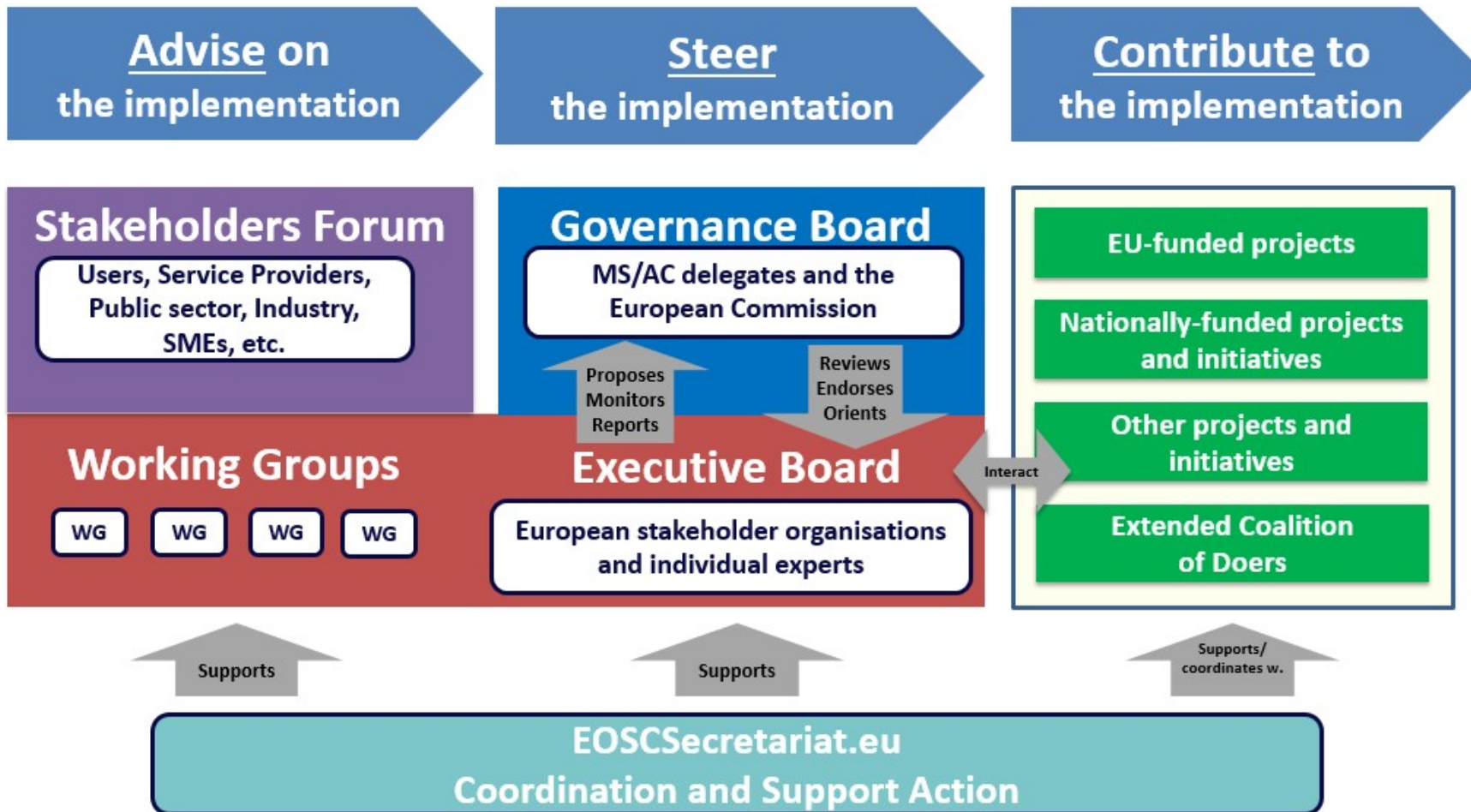
NAME	ROLE	EOSC LINK
<i>Jan Hrusak</i>	ESFRI chair	EOSC EB, EOSC Landscape WG
<i>Mirjam van Daalen</i>	ESFRI TF on EOSC chair ESFRI delegate CH	EOSC sustainability WG ExPaNDs
<i>Vladimir Popovic</i>	ESFRI delegate Serbia	EOSC GB
<i>Gelsomina Pappalardo</i>	ESFRI EB	
<i>Ana Proykova</i>	ESFRI delegate Bulgaria	Chair SWG Digit
<i>Yannis Ioannidis</i>	ESFRI vice-chair	Liaison to e-IRG, OpenAIRE coordinator
<i>Hans Eide</i>	Expert Norway	EOSC Nordic, NeIC
<i>Dominik Sobczak</i>	EC	ESFRI secretariat
<i>Lorenza Saracco</i>	EC	RTD Data projects
<i>Fotis Karayannis</i>	StR-ESFRI support	StR-ESFRI2 WP5, E-IRG support, RDA Europe
<i>Olga Bohuslavova</i>	StR-ESFRI, team ESFRI chair	

From vision to implementation

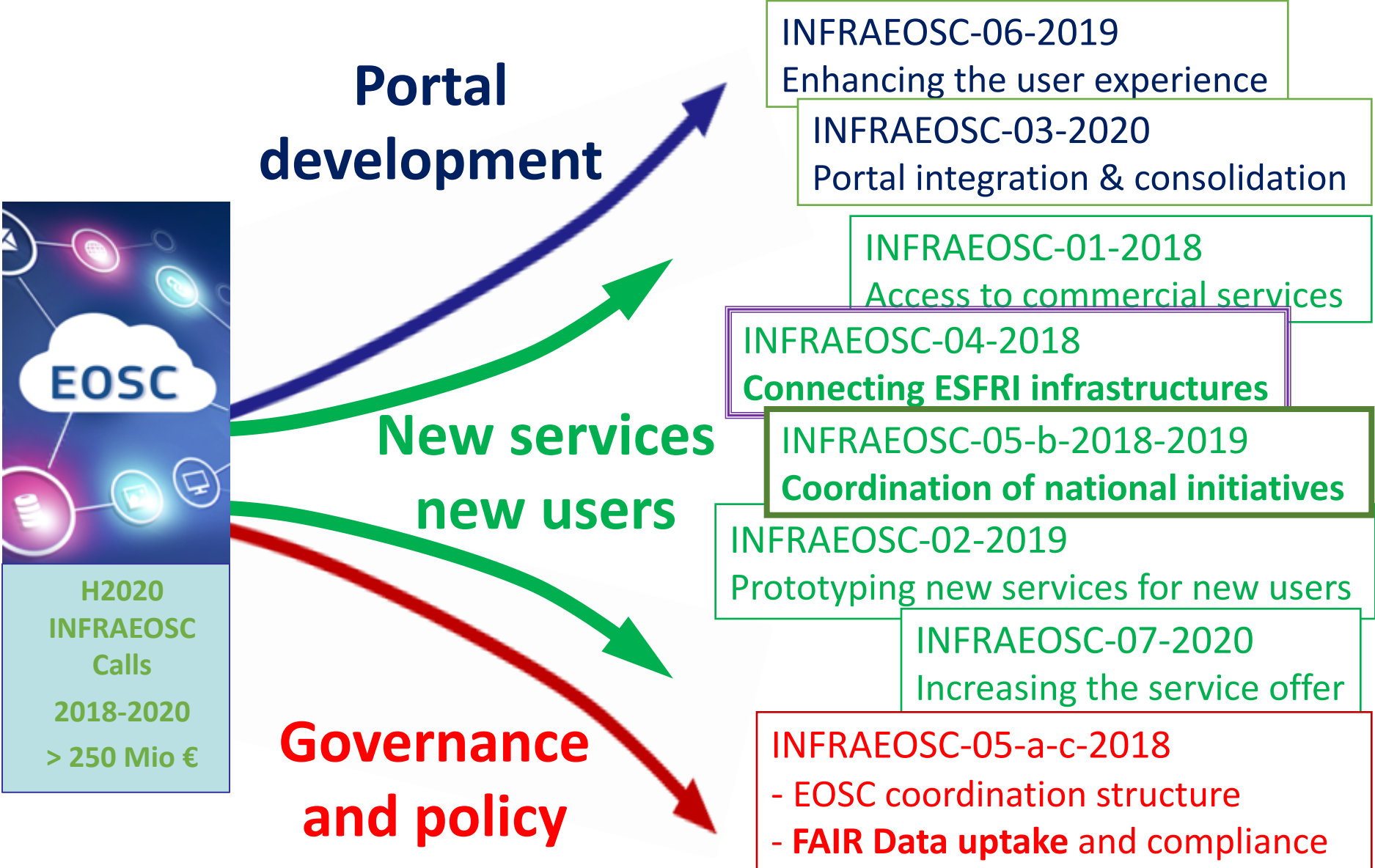
How to implement the EOSC?

- ✓ EOSC should be a community-driven process
- ✓ Gradual implementation, flexible by design
- ✓ Initial phase supported by EOSC-related Horizon 2020 grants
- ✓ Initial phase steered by the EOSC governance 2018-2020
- ✓ Importance of sustaining engagement, investment and commitment
- ✓ Subject to an evaluation of the initial phase

EOSC governance 2019-2020



H2020 dedicated activities to prototype the EOSC



Clusters INFRAEOSC 04-2018:

ENVRI –FAIR

EOSC-Life

ESCAPE

PANOSC

SSHOC



EOSC services for RI's

EOSC hub

eInfraCentral

FREYA

OpenAire

EOSC Secretariat



EOSC 5b projects

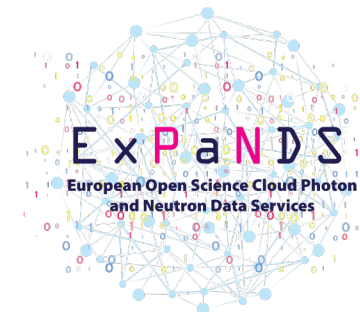
EOSC pillar

NO4IOS

EOSC synergy

EOSC nordic

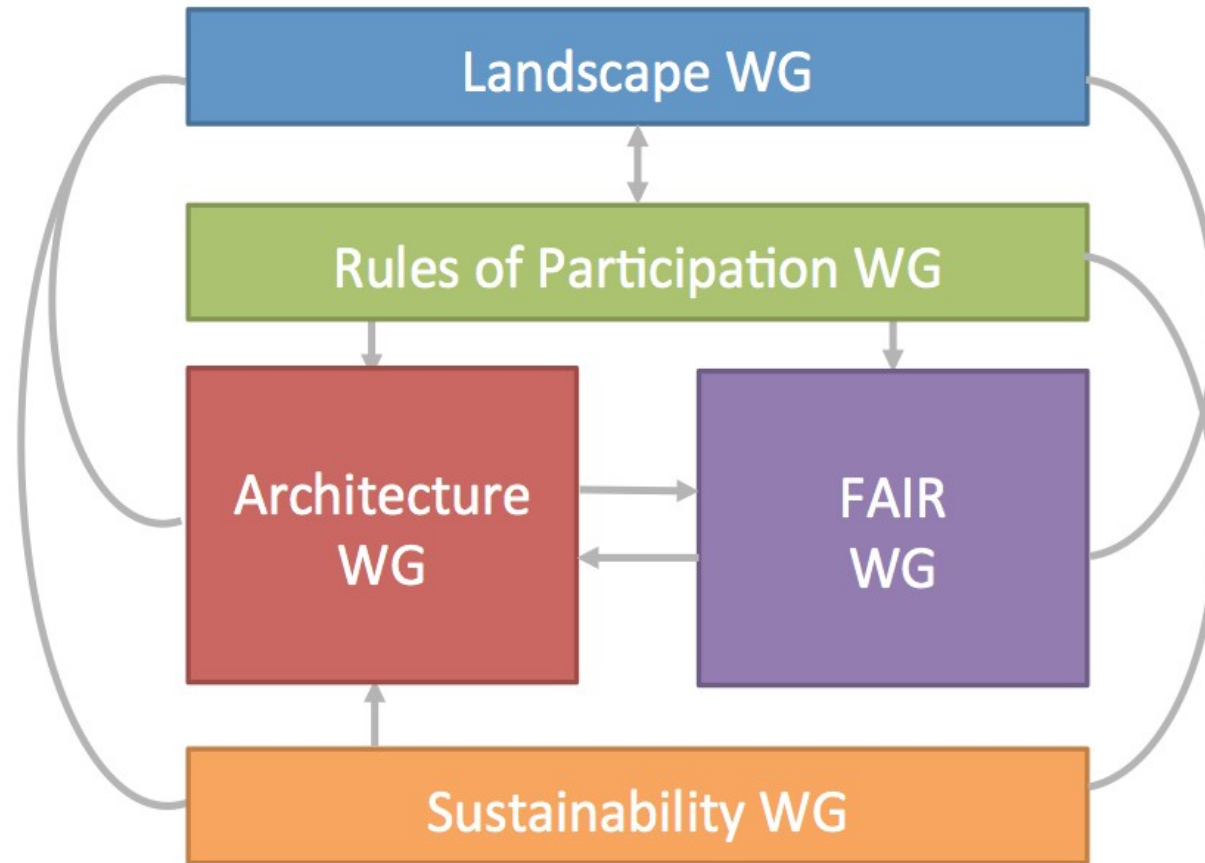
Expands





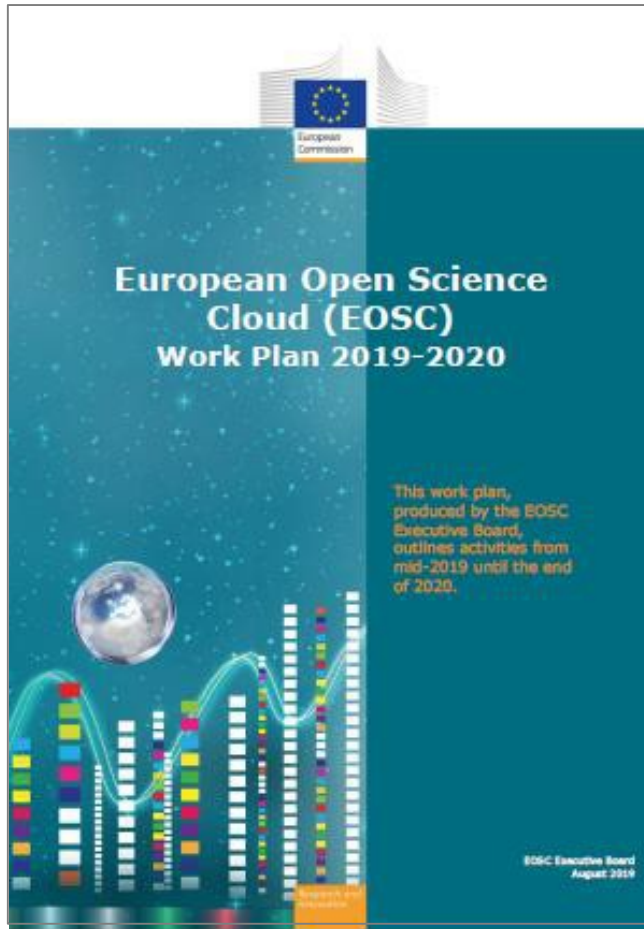
Working Groups

EOSC Exec Board Working Groups



<https://www.eoscsecretariat.eu/eosc-working-groups>

Work Plan is published



Contents

- A first EOSC iteration by end 2020
- Timeline
- Procedures and required inputs

<http://doi.org/10.2777/972843>

EOSC 2019-2020: timeline

2019				2020			
Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4
Initial EOSC federating core in place				Connection of most infrastructures and services to the EOSC			
Init. registry of data infrastructures & services							
Updated catalogue of services and Portal							
Initial EOSC catalogue of datasets accessible							
Outline FAIR metrics, repository certification and outline PID policy				Updated FAIR metrics, repository certification and PID policy			
		Initial Rules of Participation		Revised Rules of Participation			
		Strategic, financing, organisational model of the EOSC Post-2020					
		Mapping of EOSC-relevant national initiatives					
Set up of Working Groups		EOSC Symposium		EOSC Symposium			

MS + EC evaluation of Phase 1

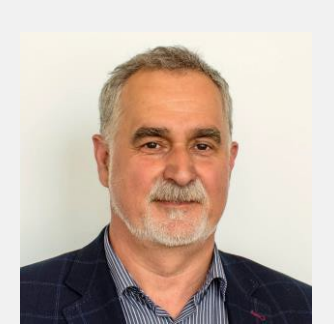
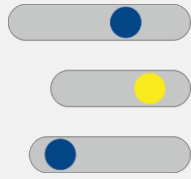
WGs are not reinventing wheels

- Need to reach out to H2020 projects, national initiatives and coalition of the doers
- Working Groups dependent on YOU!
- You produce and we coordinate & endorse
- Collectively we will build EOSC





Early results



Introduction Background



Inventory - stocktaking and synthesis from existing documents

A) EOOSC related
infrastructures with
reference framework
B) policies + legislation



Mechanisms, modus operandi, trends and developments

A) operations of
infrastructures
B) policies evolution

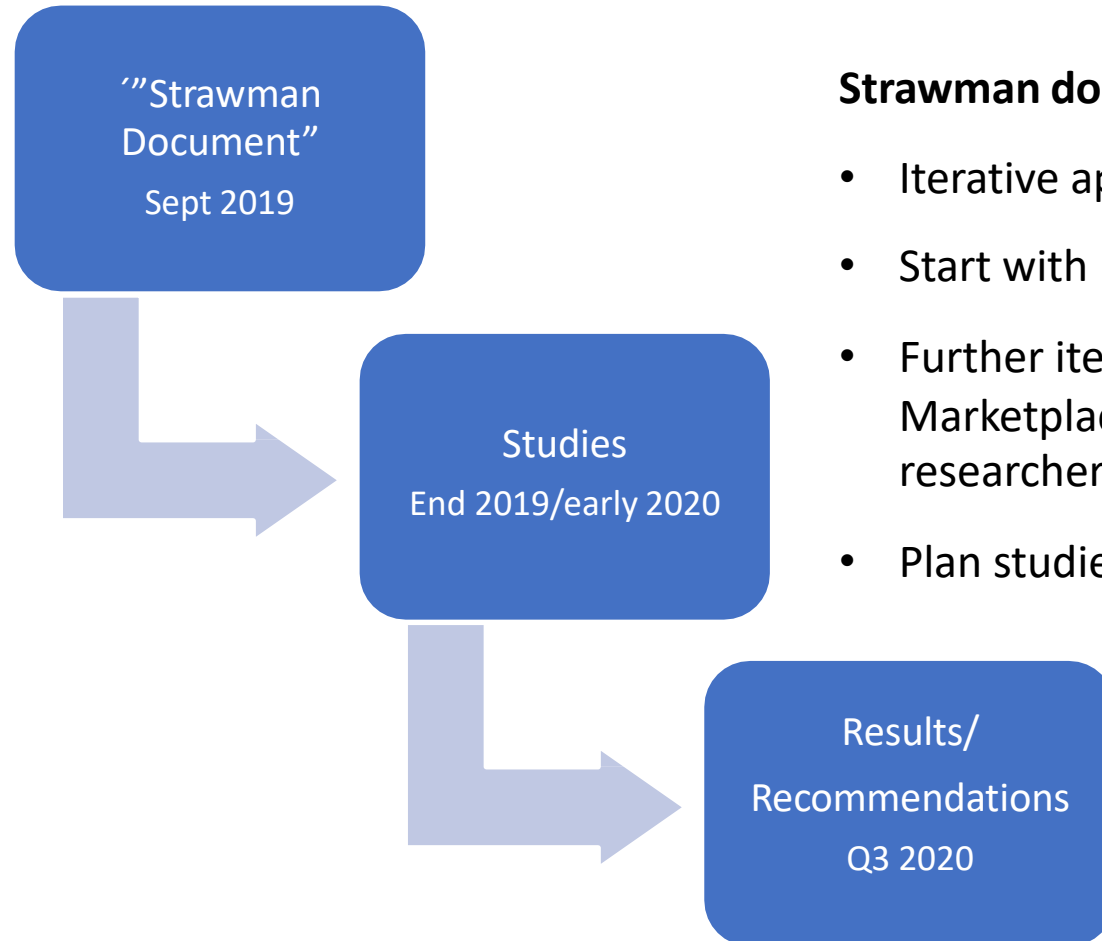
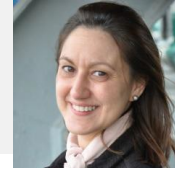
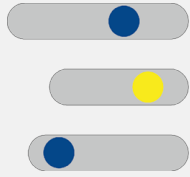


Analysis and generalization, good practice examples, preparedness of MS

in collaboration with the other
WGs and the projects (external
subcontractor)



- Initial document drafted. Presented to EB on 25 October & GB thereafter
- Second phase inputs to come in Q4 2019 from the INFRAEOOSC-5B projects
- Plan to subcontract analytical work on MS preparedness
- Validation workshop foreseen for January 2020



Strawman document

- Iterative approach – gradual growth of EOOSC
- Start with MVP for publicly-funded researchers
- Further iterations, establishing Digital Marketplaces to include additional services for researchers, public sector and industry
- Plan studies on legal entity and business models

Speakers

Interplay of horizontal e-Infrastructures and thematic RIs –

Ludek Matyska, Director, Institute of Computer Science, Masaryk University

The e-IRG National Nodes Paper –

Sverker Holmgren, Uppsala University, Swedish Delegate to e-IRG

Getting ready for EOSC: a research infrastructure perspective –

Nicholas Pade, Executive Director, EMBRC ERIC

Round table discussions – 60'

- 1) What is the EOSC according to you as a user and/or provider?
- 2) Which benefits should EOSC bring for the users?
- 3) Which kind of EOSC users would you define?
- 4) For EOSC there needs to be a change of culture to open research data according to the FAIR data principles: how can we tackle this?
- 5) Which topics do you see as important for a potential dedicated ESFRI exchange of experience workshop on EOSC?



European Strategy Forum
on Research Infrastructures

Thank you
