

EOSCsecretariat.eu

Setup and management of the EOSC Secretariat supporting the EOSC Governance

European Open Science Cloud Its Community and Governance

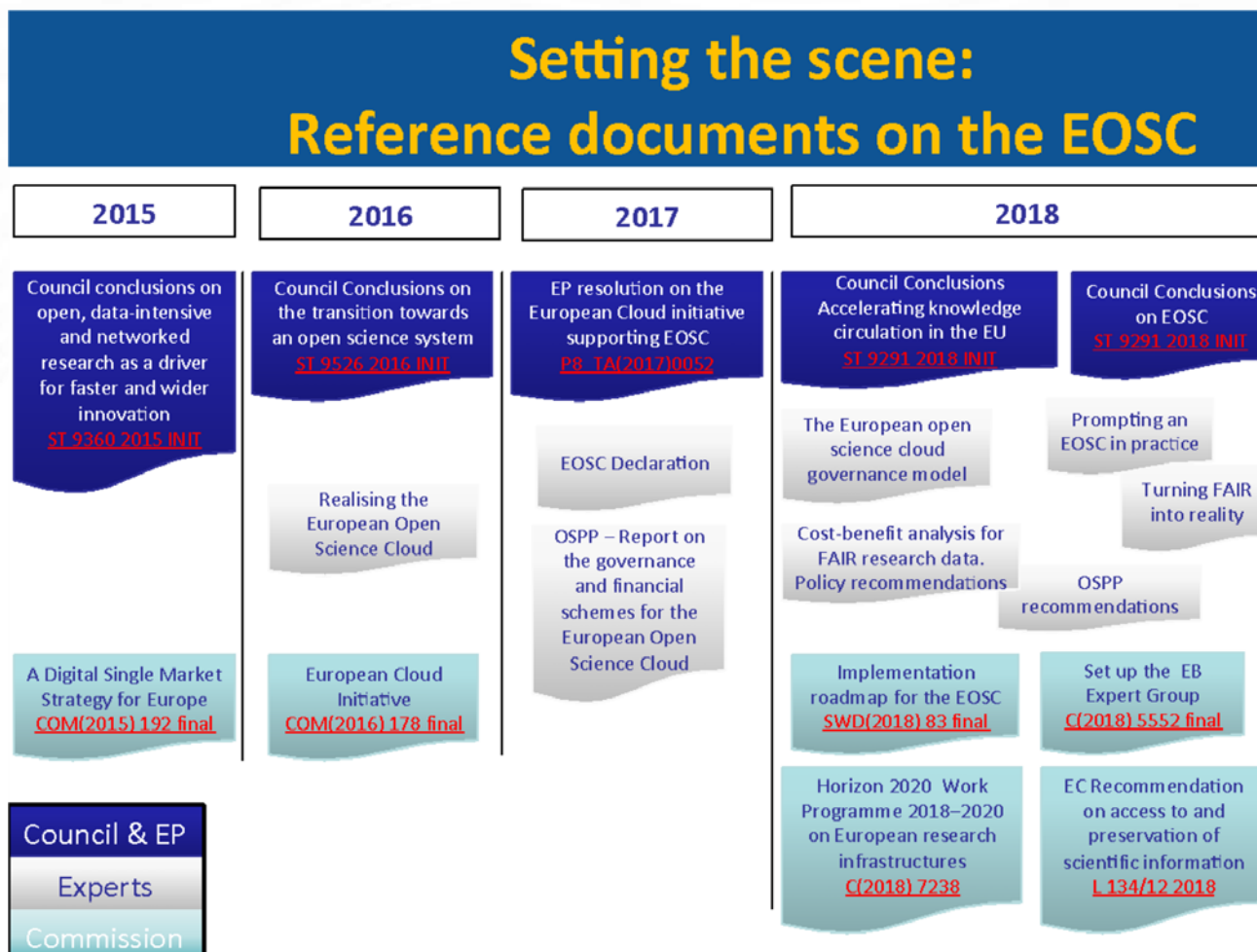
Andrea Grisilla
EOSCsecretariat.eu

OPEN SCIENCE WORKSHOP
Ljubljana, 23 January 2020



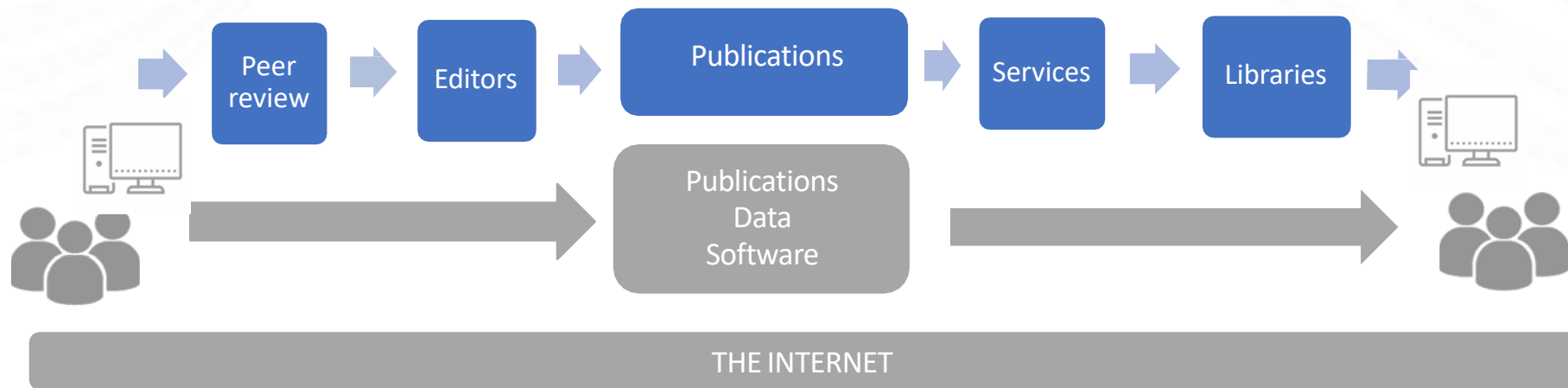
<https://youtu.be/Bs7u6GXUYgQ>

Four years of EOSC in documents & projects



The opportunity

Harness the power of the web to connect research communities, collaborate and share quicker and more easily



Gutenberg to Berners-Lee science

Why the EOSC?

Enable Open Science and the digital transformation of science

Empower 1.7 million European researchers to reap the benefits of data-driven science

Build an open research data commons in Europe widely inclusive of all disciplines and Member States, sustainable in the long-term

Give Europe a global lead in research data management; help developing an internet of FAIR digital objects

Reduce fragmentation by federating existing Research Infrastructures (including e-Infrastructures)

Enable interdisciplinary research to address societal challenges

Enable the Digital Single Market and stimulate the emergence of a competitive EU cloud sector

What is the EOSC?

A trusted and open virtual environment for the scientific community with seamless access to services (with highest TRLs) addressing the whole research data life cycle:

- Federating core services to federate and connect existing or planned RIs
- Services to make data FAIR, store them, ensure their long-term preservation
- Services to find, access, combine, analyse and process data
- Protected, personalized work environment

FAIR competition, no lock-in by individual service providers

Free at the point of use for the researchers

User-oriented and inclusive (across borders and disciplines)

Accessible through a non-exclusive, simple, universal gateway

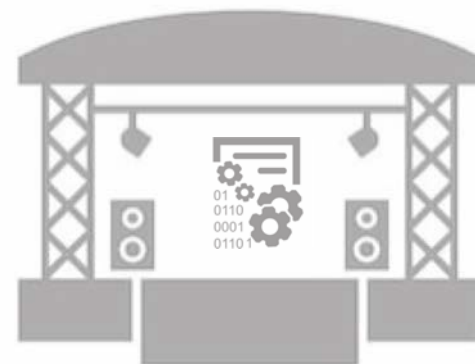
Governed by a minimal set of Rules of Participation

Steered by a governance based on increasing mutuality

An open festival for science

- Virtual space where science producers and science consumers come together
- Inclusive to people of all backgrounds and cultures
- An open-ended range of content and services
- Quality mark « Data made in Europe »

A platform for European research



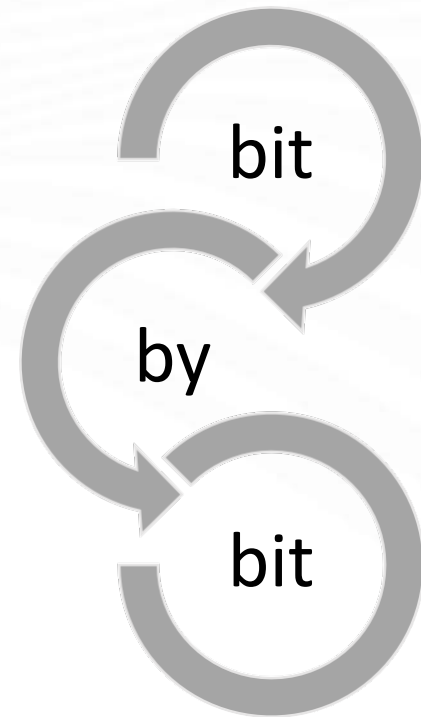
Grow in stages...

- Underlying infrastructure needs to be developed, owned and operated publicly
- Extend to engage with private initiatives
- All must adhere to Rules and uphold common values
- Be a living, breathing system that adapts to changes

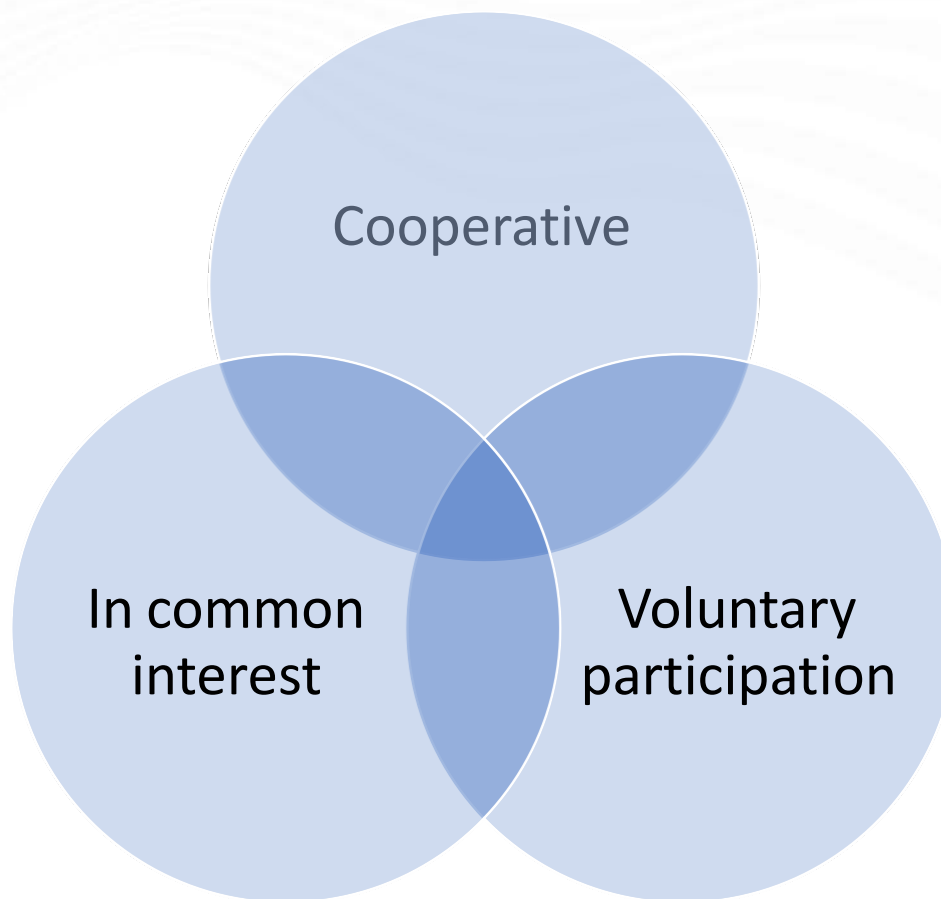


Design principles

- Co-creation
- Research-led
- Community-driven
- Flexible by design
- Extensible / scalable
- Incremental and iterative
- Hands-on and participatory
- Continuous engagement, consultation & user testing



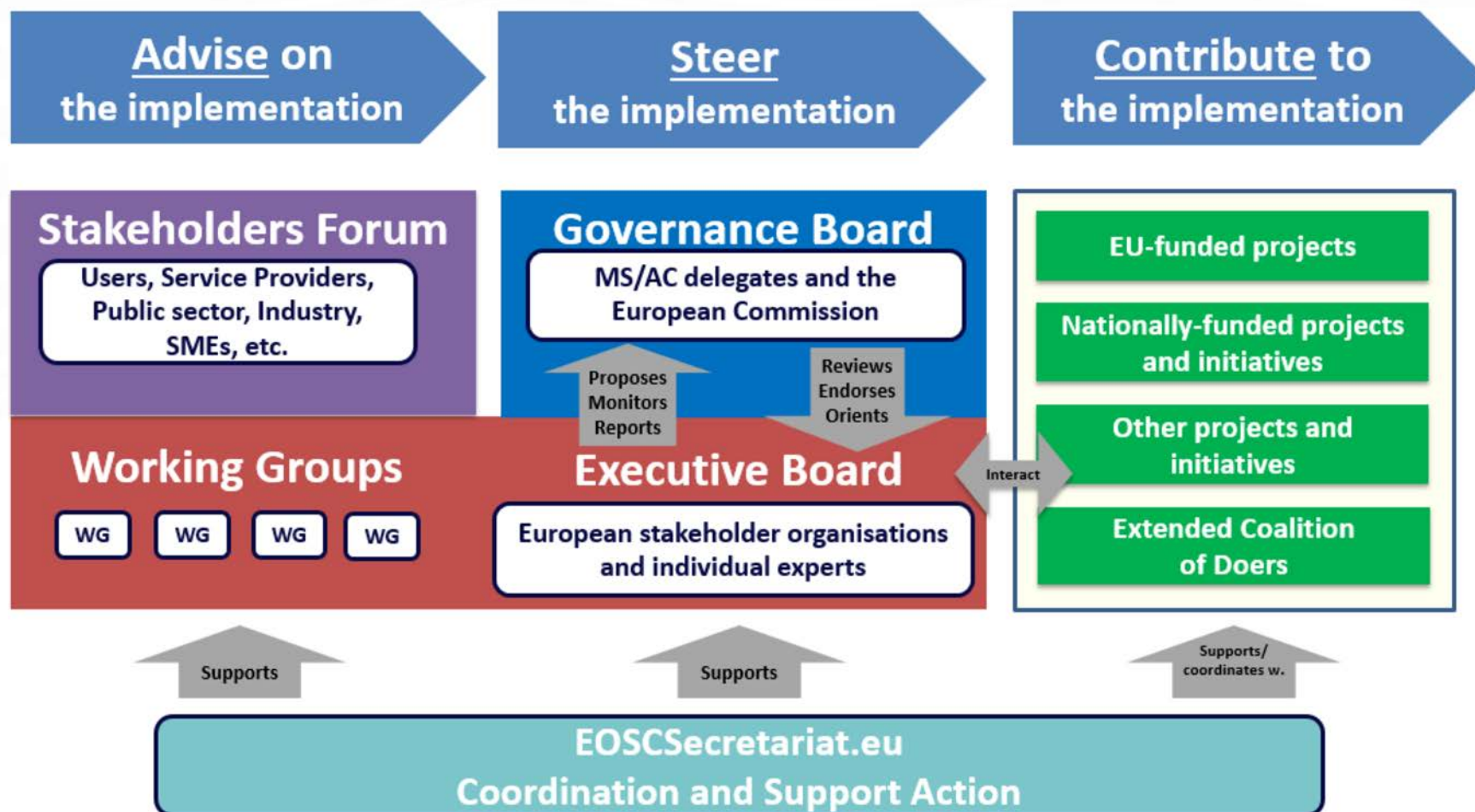
Driving principles for implementation



Decision making process

- **Openness** - processes open to all interested and informed parties
- **Broad consensus** - allow for all views to be considered, such that agreement can be found across a range of interests
- **Transparency** - stakeholders will provide public notice of proposed development activities and conditions for participation. Easily accessible records of decisions.
- **Balance** - activities will not be exclusively dominated by any particular person, organisation or interest group
- **Due process** - decisions will be made with equity and fairness among contributors. Periodic reviews and updating will be well defined.

EOSC governance structure



Governance Board

- Representatives from all 28 member states and 10 associated countries
- Chaired by Hans Josef Linkens, BMBF, Germany
- Forming sub-groups to feed strategic inputs into EOSC Exec Board and Working Groups

https://ec.europa.eu/research/openscience/pdf/ec_rtd_eosc-governance-board_062019.pdf

Executive Board

- Karel Luyben & Cathrin Stöver as Co-Chairs
- 8 representatives of stakeholder groups
- 3 independent experts

<https://www.eoscsecretariat.eu/eosc-governance/eosc-executive-board>



KAREL LUYBEN



CATHRIN STÖVER



JEAN-FRANÇOIS
ABRAMATIC



JUAN BICARREGUI



JAN HRUSAK



SARAH JONES



LIDIA BORRELL-DAMIÁN



RUPERT LÜCK



NATALIA MANOLA



JOHN WOMERSLEY



RON DEKKER

Communications

- Must be 2-way...
- Engage, don't just broadcast!



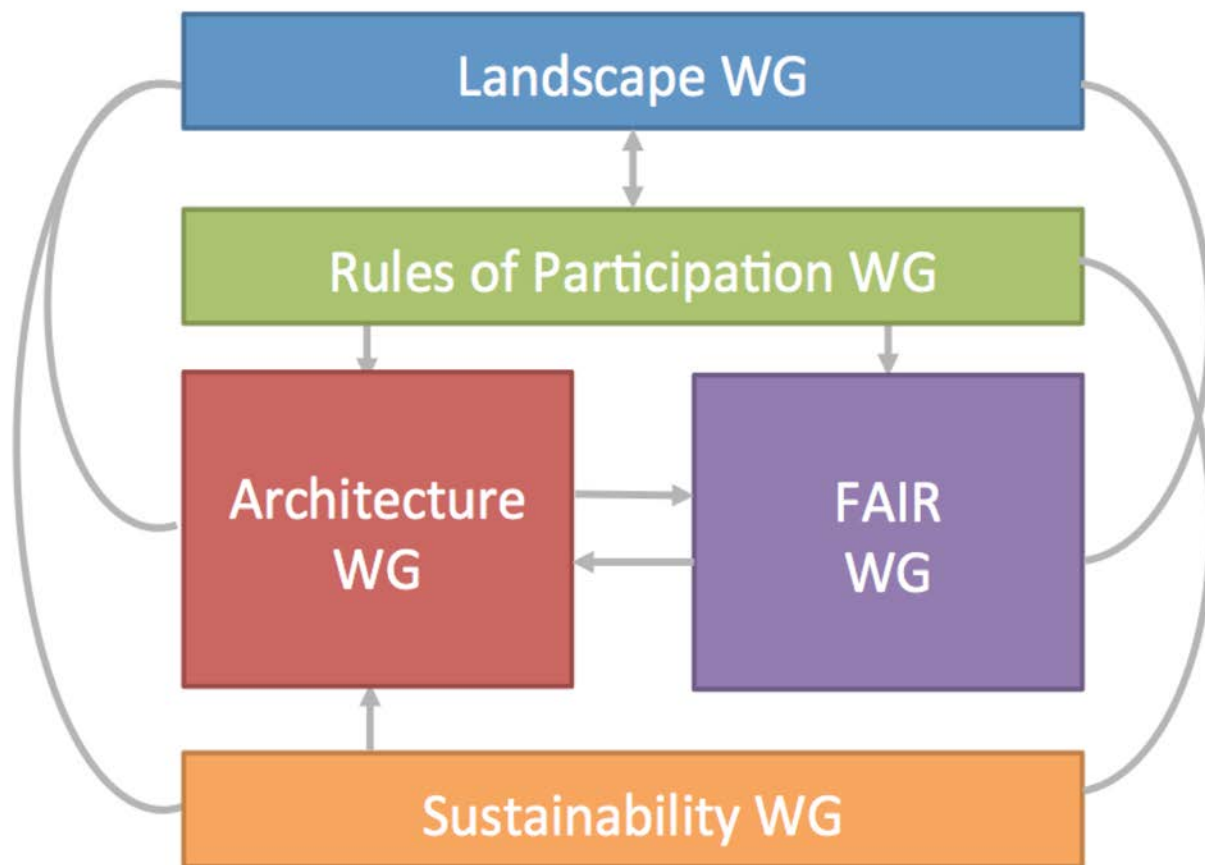
Communications & engagement

- Strong and consistent communication strategy
- Messaging in different ‘languages’ to speak to all stakeholders
- Use of the existing communications channels to reach scale
- Need to develop a collectively-owned EOSC brand
- Critically important to engage with stakeholders at all times
- Continual testing and feedback loop to support adoption
- Set up a co-owned sub-group between EB/GB to manage this

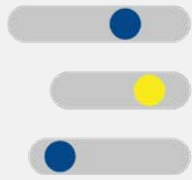
Key documents and links

- EOSC Strategic Implementation Plan
 - <https://www.eoscsecretariat.eu/eosc-governance/eosc-executive-board>
- EOSC Work Plan
 - <https://op.europa.eu/en/publication-detail/-/publication/3c379ccc-ee2c-11e9-a32c-01aa75ed71a1/language-en/format-PDF/source-106858146>
- Working Group remits
 - <https://www.eoscsecretariat.eu/eosc-working-groups>
- Blog
 - <https://www.eoscsecretariat.eu/news-events-opinion>

EOSC Exec Board Working Groups



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



WHAT

Provide options for progressive convergence and alignment of structures and initiatives in Europe to facilitate the EOSC

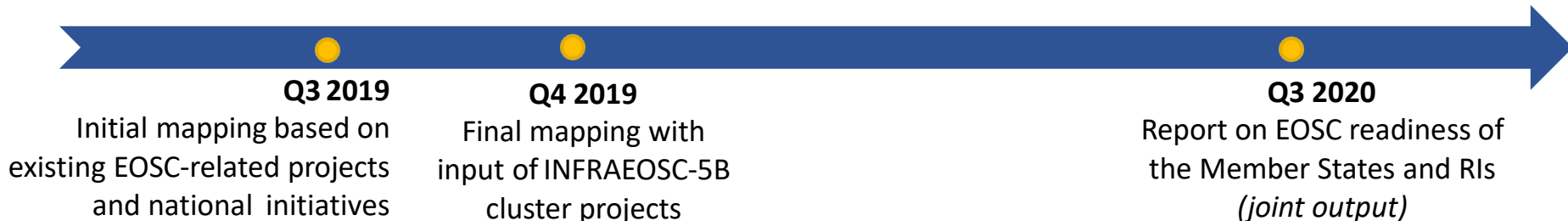
HOW

1. Build on outcomes of EOSC-related H2020 projects and input from member states
2. Map EOSC-relevant national infrastructures and spending
3. Take stock of federation constraints and opportunities at the various architectural levels

WHY

Consolidate the existing landscape

- National research infrastructures, e-Infrastructures and open science policies
 - ESFRI RIs, cluster projects, thematic initiatives and clouds
4. Propose mechanisms and best practices for national and regional alignment
 5. Analyse member state preparedness for financial resources, political stability and infrastructural planning





WHAT

Recommend rules of participation which define rights, obligations and accountability to govern EOSC users, providers and operators. Identify common requirements.

HOW

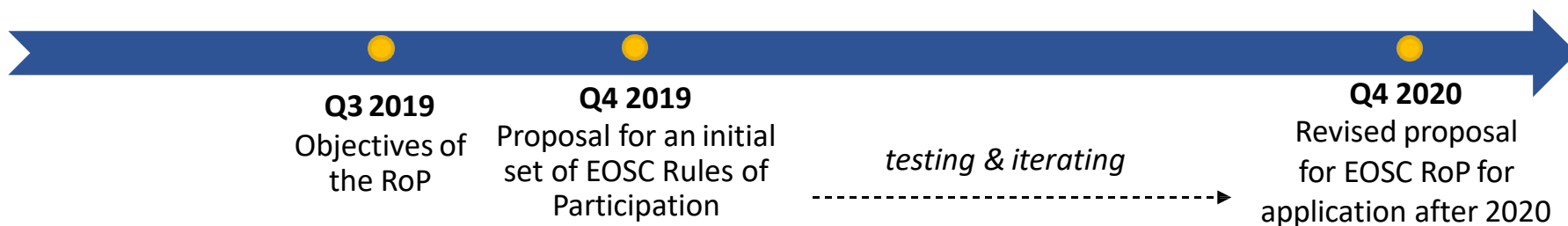
Identification of different rules taking into account:

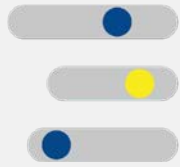
1. Differing roles and services
2. Scientific disciplines
3. Preparedness of infrastructures, services and member states
4. The growing range of EOSC users and providers
5. Changing needs and practices including regulations

WHY

Guarantee open, secure and cost-effective federated EOSC with services of documented quality

Assessable Quality





WHAT

Propose a technical framework to enable and sustain an evolving EOSC, including an interoperability layer to build the federation of systems

HOW

Review current offerings and define

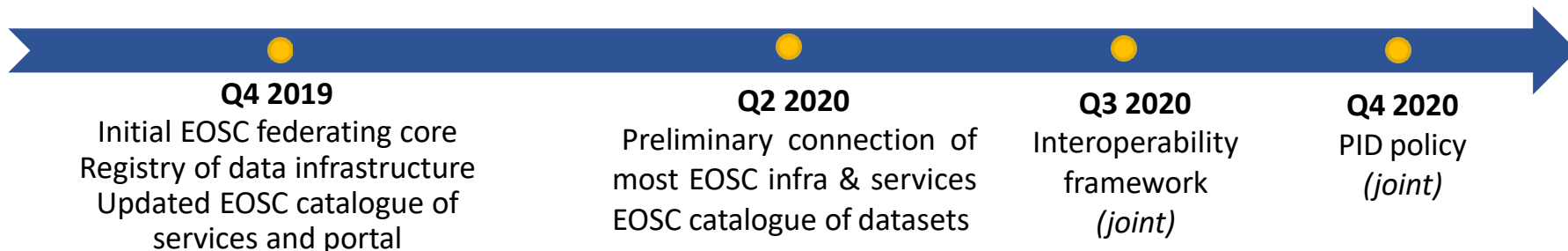
1. EOSC core services and their interfaces
2. EOSC OS APIs for reuse by thematic services
3. EOSC portal components and catalogues

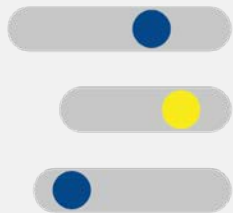
WHY

Define the interoperability layer necessary for seamless operation of the EOSC federation core

Identify the federated core of EOSC

4. EOSC data description standards
5. Other standards and best practices
6. Converge towards globally-accepted frameworks





WHAT

Provide recommendations on the implementation of FAIR, including corresponding requirements for services, in order to foster cross-disciplinary interoperability

HOW

1. Data standards & sharing agreements
2. Upscale best-practice solutions
3. EOSC Interoperability Framework
4. Identify service requirements for FAIR

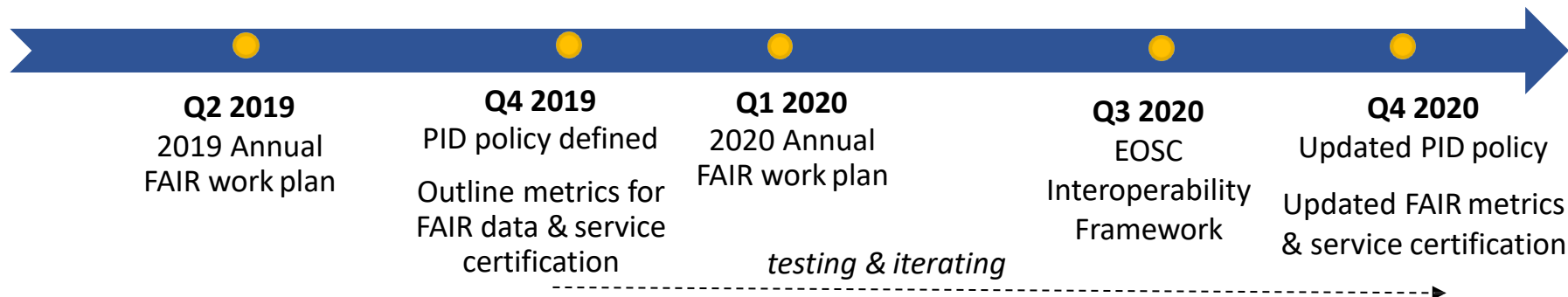
WHY

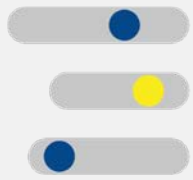
Connect people, data and service via standards

Be the glue



5. Persistent Identifier Policy for EOSC
6. Frameworks to assess FAIR data and certify services that enable FAIR
7. Converge towards globally-accepted frameworks





WHAT

Provide strategic, legal and financing recommendations for an operational, scalable and sustainable EOSC federation after 2020

HOW

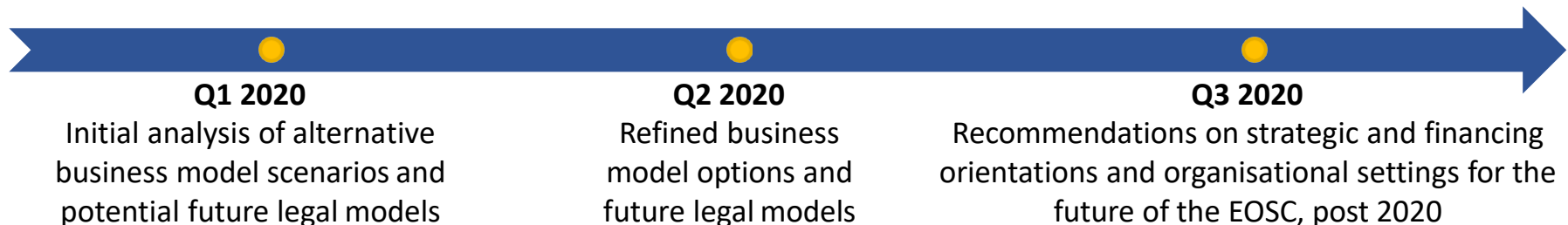
1. Analyse business models and implications on legal entity, costs, regulations, financial strategies, supporting NDI alignment
2. Map potential legal entities, taking into account national and European legislation

WHY

A clear understanding of key strategic, financial and legal aspects is essential for the second phase of the EOSC implementation

Towards a sustainable EOSC

3. Examine options for a governance framework to oversee EOSC operations and development
4. Analyse regulatory/policy environments and assess impact of proposed structures and funding streams at national & European level



MVP by end 2020

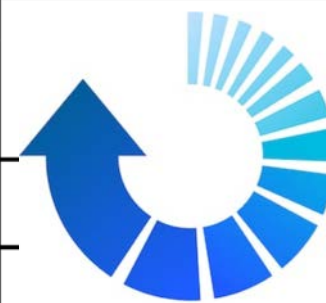
- Agreed and tested Rules of Participation
- Analysis of the existing national infrastructures and policies
- Financing model, legal entity and post 2020 governance structure
- Functioning federated core & initial services
- Catalogues of EOSC data and services
- EOSC Interoperability Framework
- Persistent Identifier policy
- Metrics for FAIR data and repository certification

Work plan

Iteration and testing built into plan

Initial / outline outputs → TEST → Updated / final

Agree versions for implementation post 2020

	Landscape (Jan Hrušák)	Sustainability (Rupert & Stephan)	Architecture (JF Abramatic)	FAIR (Sarah Jones)	Rules of Participation (Juan Bicarregui)
Q2 2019 Apr-Jun				Annual FAIR workplan	
Q3 2019 Jul-Sep	Initial landscape mapping				Initial EOSC Rules of Participation
Q4 2019 Oct-Dec	Final landscape mapping		Outline PID policy		
			Initial federating core Registry of infrastructure Updated catalogue & Portal	Outline FAIR metrics & repository certification	
Q1 2020 Jan-Mar				Annual FAIR workplan	
Q2 2020 Apr-Jun			Preliminary connection of infrastructures and services EOSC Catalogue of datasets		
Q3 2020 Jul-Sep	Report on EOSC readiness		EOSC Interoperability framework (joint output)		
		Strategic & financing options post 2020			Final EOSC Rules of Participation
Q4 2020 Oct-Dec			Updated PID policy		
				Updated FAIR metrics & repository certification	

Working Group formation

- Nominations by Governance Board (all)
- Nominations by Executive Board (FAIR WG)
- Nominations by H2020 projects (Architecture)
- Open calls to engage wider stakeholders (Architecture, FAIR and Rules of Participation)
- WGs may call in Experts, H2020 projects and commission consultancy reports where needed

WGs by numbers

Landscape

11 male
5 female

RoP

5 male
7 female

Architecture

27 male
2 female

FAIR

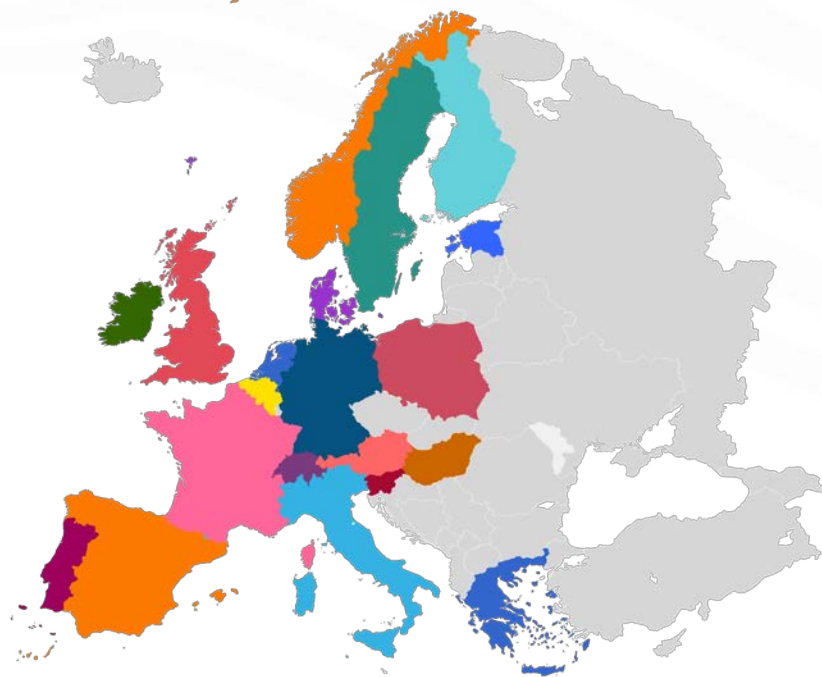
15 male
11 female

Sustainability

10 male
8 female



Experts represent 20 of
the EU Member States
and Associated Countries



Co-creation opportunities

1. Co-creation budget

EOSCSecretariat.eu retains a high degree of flexibility in its roll-out plan by adopting a co-creation approach and providing budget for all upcoming, foreseen and unforeseen, activities and actions related to the work of the EOSC Secretariat to support the EOSC Governance.

2. Who can apply for co-creation activities?

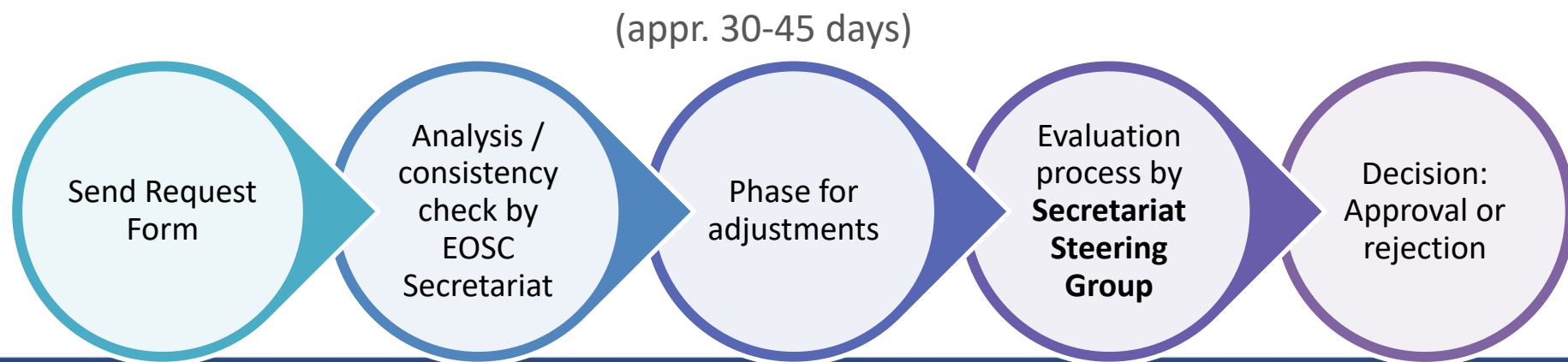
- ✓ Individuals or natural persons residing in the Member States of the European Union (EU), including their outermost regions and the associated countries (AC)
- ✓ Applicants who are not receiving support from other instruments (EU or national Research Infrastructure projects) for the proposed activities, and are not being funded from other sources for an identical activity

Co-creation budget and request form

3. What are the application and evaluation criteria?

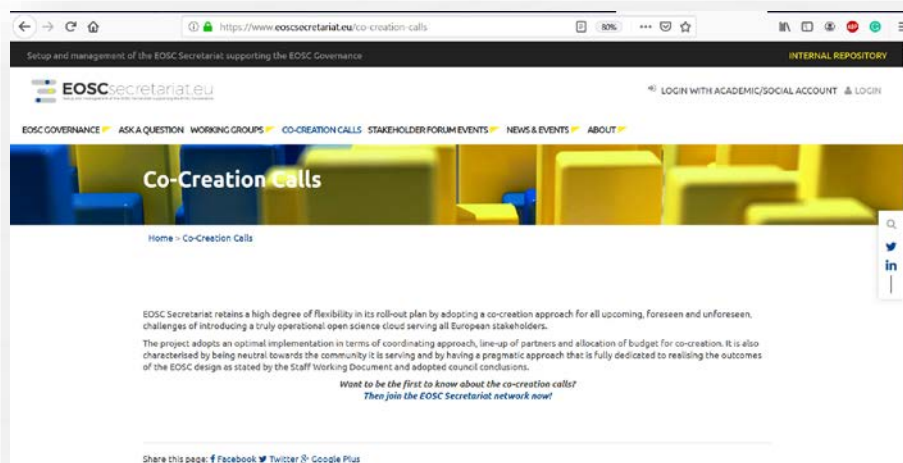
- ✓ Eligibility according to H2020 criteria
- ✓ **Activities and actions which are related to the work of the EOSC Secretariat to support the EOSC Governance**, in particular the activities of the Executive Board Working Groups, the Governance Board Sub-Groups and the Stakeholder Forum
- ✓ **Added value** to existing EOSC activities
- ✓ Quantified **benefits for the EOSC/KPIs** and the corresponding outcome

4. Process of the request



Co-creation budget and request form

5. Where to apply



<https://www.eoscsecretariat.eu/co-creation-calls>

- > For any questions, please contact cocreation@eoscsecretariat.eu

6. The request form

EOSC Secretariat WP: _____ **Status to send the application request:** Incomplete

Date of submission: _____

REQUEST FOR CO-CREATION ACTIVITIES
(All yellow fields need to be completed by the applicant)

Applicant: _____ Phone: _____
Institution/organization: _____ Email: _____
Address: _____ Duration of action: _____

Title of activity

Detailed description

Expected benefits to the EOSC/KPIs and outcome

DETAILED SPECIFICATION OF COSTS

Space to be filled out by applicant					To be filled out by Secretariat (WP/task leaders)	
N°	Cost item	Quantity	Price	Description	Type of WP activity	Planned
01			€ -			
02			€ -			
03			€ -			
04			€ -			
05			€ -			
06			€ -			
07			€ -			
08			€ -			
09			€ -			
10			€ -			

☐ I confirm that I have not received funding on this request from another party. **Requested value:** € _____

☐ I have read and accept the privacy statements and agree on storing my personal data for the purpose of processing my request for the receipt of co-creation funds.

COMMENTS OF EVALUATOR

Approved by: _____ Date of analysis: _____ Request Status: _____

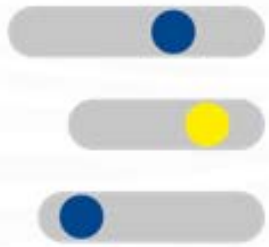
APPROVAL PROCESSED BY THE SECRETARIAT STEERING GROUP

What can you do?

Register to our newsletter and keep abreast of needs and opportunities

Let's get this show on the road!





EOSCsecretariat.eu

Setup and management of the EOSC Secretariat supporting the EOSC Governance

Thanks for listening!

Questions?

