Analyzing the research data infrastructure in Europe

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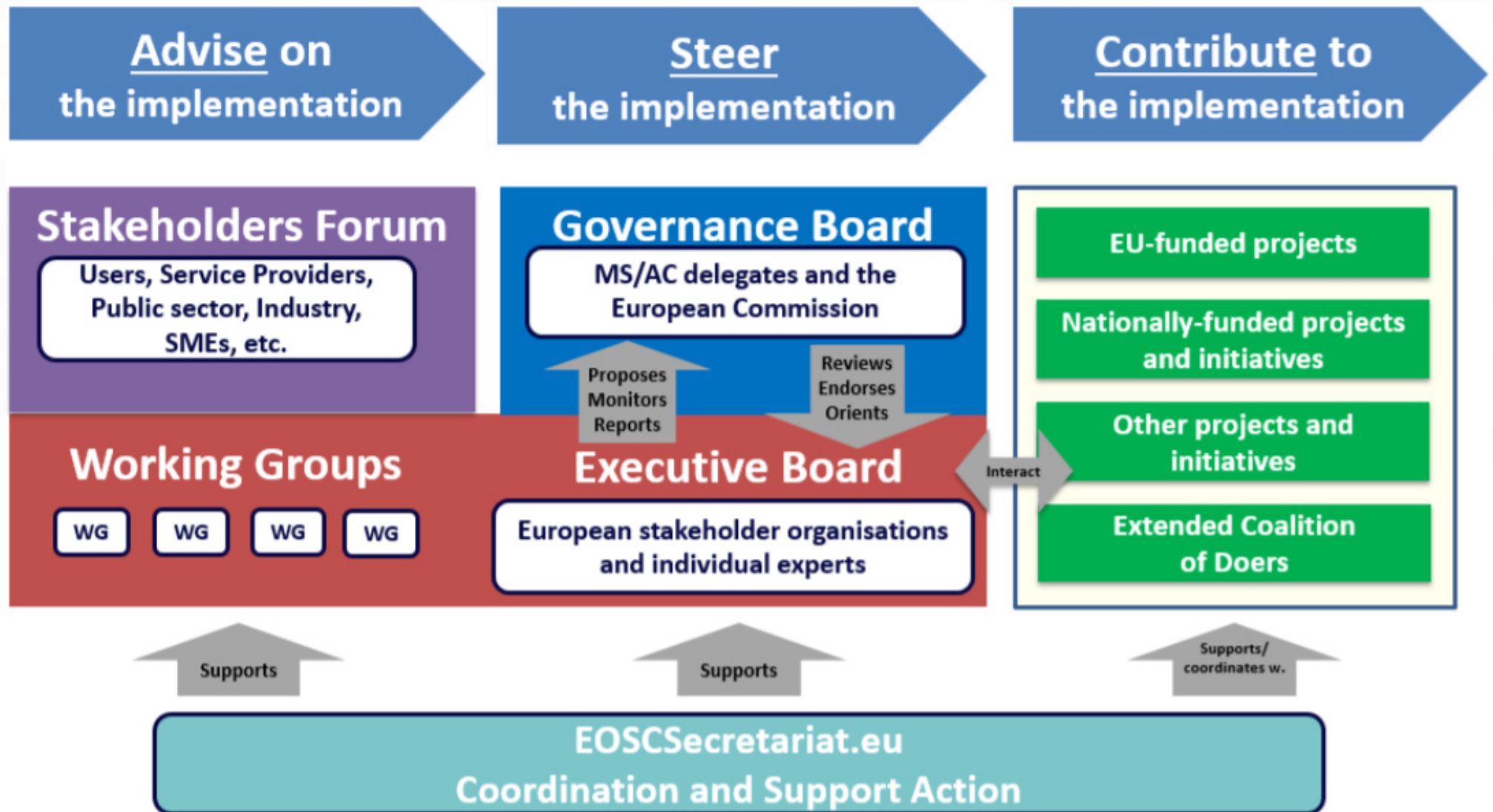
2019-11-20

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EOSC vision and values

EOSC as federated infrastructure that can enhance value-based open trusted, user centric digital services across borders within the Digital Single Market (Vienna Declaration)

- Common values:
    - Focused on research needs
    - Community driven
    - Inclusive and respectful of diversity
    - Transparent and trustworthy

- EOSC Work Plan 2019-2020, *Published Aug 19*

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Governance structure

Working groups

- Agreed and tested Rules of Participation (*RoP WG*)
- Analysis of the existing national infra and policies(*Landscape & Sustainability WG*)
- Financing model, legal entity & post 2020 governance structure (*Sustainability WG*)
- Operational federating core and initial services (*Architecture WG*)
- Initial set of EOSC data and services (*Architecture WG*)
- EOSC Interoperability Framework (*FAIR, Architecture and RoP WGs*)
- Persistent Identifier policy (*FAIR and Architecture WGs*)
- Metrics for FAIR data and repository certification (*FAIR WG*)

Upcoming: *Communications / skills / internationalization WG*

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Working groups

	Landscape (Jan Hrusak)	Sustainability (Rupert Lueck)	Architecture (JF Abramatic)	FAIR (Sarah Jones)	Rules of Participation (Juan Bicarregui)	EB/GB Comms Task Force (Ron Dekker)
Q2 2019 Apr-Jun				Annual FAIR workplan		
Q3 2019 Jul-Sep	Initial landscape mapping				Initial EOSC Rules of Participation	Continual comms and engagement via Liaison Platform & Stakeholder Community events
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			EOSC brand
Q3 2020 Jul-Sep	Report on EOSC readiness		EOSC Interoperability framework (joint output)			Trademark
	Strategic & financing options post 2020				Final EOSC Rules of Participation	
Q4 2020 Oct-Dec			Updated PID policy			
				Updated FAIR metrics & repository certification		

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Results from the landscape WG

Introduction Background

Inventory - stocktaking and synthesis from existing documents

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

Mechanisms, modus operandi, trends and developments

A) operations of infrastructures
B) policies evolvement

Analysis and generalization, good practice examples, preparedness of MS

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

- 1st document presented to EB on 25 October, followed by GB
- 2nd document prepared in Q4 2019: additions and input from INFRA-EOSC-5B projects
- Subcontract analytical work on MS preparedness
- Validation workshop foreseen for Jan/Febr 2020

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Results from the landscape WG – in prep

- EOSC relevant EU projects:

  AENEAS | AGINFRA+ | ARCHIVER | BE OPEN | CINECA | DARE | DEEP | e-InfraNFRACentral | e-IRGSP6 | ENVRI-FAIR | EOSC-hub | EOSC-Life | EOSC-Nordic | EOSC-Pillar | EOSCpilot | EOSC-Secretariat.eu | EOSC synergy | ESCAPE | ExPaNDS | FAIRsFAIR | Fair4Fusion | FAIR4Health | FAIRplus | FREYA | GN4-3 (GEANT) | InRoad | MERIL and MERIL-2 | NI4OS-Europe | OCRE | OpenAIRE-Advance | OpenRIskNet | PaNOSC | PRIMAGE | PROCESS | RDA Europe 4.0 | SSHOC | VirtualBrainCloud | XDC

- Other important EU and global initiatives:

  EOSC Stakeholders Forum | Coalition of Doers | European Research Data Alliance (RDA) | GO FAIR

- EOSC relevant stakeholders:

  Policy makers | Funders | EOSC profile use cases | Service providers | Industries

- EOSC relevant infrastructures and initiatives

  National data infrastructures (B, G, I, N, S, L)

  National computational infrastructures (B, I, S, N, F, L)

  National networking infrastructures (B, I, S, N, L)

  National thematic infrastructures (B, I, S, L)

  Other EOSC relevant initiatives (CRIS)

  National policy making bodies

  National strategic documents

  National implementing and funding bodies

  National legislation

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Results from the landscape WG – in prep

- Country sheets
    - Current policy on open and FAIR science
        - Publication
        - Data (services)
        - Research evaluation
        - Open learning
    - Current e-infrastructure landscape
        - Data infrastructures
        - HPC infrastructures
        - Repositories

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