



Open Science Monitoring Initiative

OSMI plenary meeting
29 September 2025

Agenda

- ▶ *Welcome* - Laetitia Bracco - 16h/16h05 CEST
- ▶ *Principles of Open Science Monitoring* - Laetitia Bracco - 16h05/16h20
- ▶ *OSMI future governance and questions* - Nicolas Fressengeas - 16h20/17h
- ▶ *An update from the working groups* - OSMI WG Co-chairs - 17h/17h45
- ▶ *Next steps* - Laetitia Bracco - 17h45/18h



Principles of Open Science Monitoring

Next steps for the Principles

- ▶ The Principles of Open Science Monitoring are here:
<https://open-science-monitoring.org/principles/>
- ▶ They are already available in English, French, and, since 17 September, in Finnish, German and Spanish.
- ▶ OSMI Members are welcome to translate the text into other languages: proposals to be sent to the CC.
- ▶ They will be sent to the UNESCO Member States in April 2026.
- ▶ Do you already have an action plan to implement the Principles and would love to share? The floor to Marita Kari, Senior Specialist – Federation of Finnish Learned Societies, Finland. OSMI Members can share their plans through our flash survey:
<https://docs.google.com/forms/d/e/1FAIpQLSeXFYbIKaguJBOc27Is6bv3QAFc8kJY0tfTYCaOXKKV4dwRFw/viewform?usp=header>
- ▶ Proposal: a self-assessment grid for stakeholders wanting to check their compliance with the Principles, an initial draft from the French Open Science Monitor team. What is the opinion of the OSMI Members?

Promoting OSMI in Finland

Dr. Marita Kari

OSMI Plenary 29 Sep 2025

Promoting OSMI in Finland

The Secretariat for the National Open Science and Research Coordination is actively promoting OSMI work in Finland.

The Secretariat has:

- **Translated the OSMI Principles** into Finnish, [link](#).
- Added **information on OSMI to our website**, [link \(in English\)](#), [link \(in Finnish\)](#).
- **Self-evaluated** Finnish national open science and research initiative with the OSMI principles, [link](#).
- **Published several news articles** on our website about OSMI
 - 13 Mar: The new OSMI initiative included in the article on international open science monitoring initiatives ([link](#))
 - 14 Aug: Introduction of the OSMI Principles ([link](#))
 - 4 Sep: The OSMI Principles translated into Finnish ([link](#))
 - 29 Sep: The national open science and research monitoring complies with the OSMI principles ([link, in Finnish](#), English forthcoming)

Governance



What is the status of OSMI?

- ▶ The UNESCO WG for the monitoring of the implementation of the UNESCO Recommendation on Open Science is still active
- ▶ OSMI is not a UNESCO entity; UNESCO is a partner
- ▶ OSMI is a multi-stakeholder group; it currently has no funding except the initial funds provided by the French Ministry of Higher Education and Research and technical support by the Université de Lorraine
- ▶ In-kind support from UNESCO, PLOS, Charité



OSMI bodies

A Steering Board - strategic level

Key responsibilities:

- ▶ Sets the main guidelines and strategy for the initiative
- ▶ Oversees the work of the Coordination Committee
- ▶ Decides on the creation or closure of working groups

Chair: for the first meeting, the French Ministry of Higher Education and Research and Université de Lorraine (represented by Nicolas Fressengeas) as seed funders.

Vote of the Steering Board members during the first meeting to elect the Chair (length of the term: 2 years, renewable once).

The Chair is elected every time the Board is renewed (every 2 years).

A Steering Board - strategic level

Members January 2026 / January 2028:

Representatives of institutions committed to supporting OSMI and investing financial and/or human resources to the Coordination Committee. Regional and stakeholder diversity is the goal.

- ▶ OSMI Initiators:
 - ▶ French Ministry of Higher Education and Research, Université de Lorraine, SPARC Europe, UNESCO, PLOS, Charité, Inria represented - 7 people
 - ▶ The Chair of the Coordination Committee
 - ▶ 2 years renewable once
- ▶ Experts
 - ▶ 5 key experts from external organisations selected by the OSMI Initiators for the first Steering Board, for 2 years renewable once

6 Board members (3 institutions and 3 experts) are renewed by half every 2 years.

- ▶ Rotating members:
 - ▶ The WG Co-chairs (currently 8, new Co-chairs will be added when new WGs start) for the duration of their group

Meetings: once a quarter, one in-person meeting a year (proposal).

A Steering Board - strategic level

Call to nominate the external experts to the Steering Board:
have your say!

- ▶ You can nominate yourself or someone else
- ▶ The proposals are to be sent to the OSMI Coordination Committee before 1 November 2025
osmi-coordination@groupe.renater.fr

A Coordination Committee - coordination and communication level

Reports to: the Steering Board

Key responsibilities:

- ▶ Organisation of board meetings
- ▶ Support to and monitoring of working group outputs
- ▶ Communication (website, mailing lists, social media)

Chair Jan. 2026/ Jan. 2028: for the first meeting, the Université de Lorraine (Laetitia Bracco). Then a vote of the Steering Board members during the first meeting to elect the chair (length of the term: 2 years, renewable once). The Chair has to be a member of the CC.

Members:

Current: Arianna Becerril García (REDALYC/AmeliCA), Laetitia Bracco (Université de Lorraine), Andrea Davidson (SPARC Europe), Vanessa Proudman (SPARC Europe), and Rania Sabo (UNESCO)

A Coordination Committee - coordination and communication level

Meetings: every two weeks

Liaison with the WGs Co-chairs:

- ▶ The Co-chairs inform the CC by email of any new developments
- ▶ Main outcomes or outputs are reported to the CC
- ▶ The CC asks the Co-chairs for a progress report before each Steering Board meeting
- ▶ Meetings can be organised between the CC and the Co-chairs upon request

Working group Co-chairs - operational level

Report to: the Coordination Committee

Key responsibilities:

- ▶ Organisation of meetings and group work, including subgroups, if necessary
- ▶ Monitoring of progress
- ▶ Steering the group towards defined outcomes and deliverables

WG Co-chairs are to follow the [OSMI Co-chairs guidelines](#)

Election: for each working group, ideally two candidates from different regions (based on the [UNESCO definition](#)) are elected by the working group members for the duration of the group. If one resigns, the process is relaunched.

Working groups Co-chairs - operational level

Members as at September 2025:

WG1 : Scoping the needs of open science monitoring

Julián D. Cortés (School of Management and Business, Universidad del Rosario) & Nabila Salisu (Open Science Community Nigeria)

WG2 : Understanding the open science monitoring landscape

Lamis Yahia Mohamed Elkheir (African Reproducibility Network / University of Khartoum) & pending designation

WG3 : Open science monitoring with scholarly content providers

Lebogang Gopolang (Botswana University of Agriculture and Natural Resources) & Iratxe Puebla (Make Data Count – DataCite)

WG4 : Shared resources and infrastructure to analyze scholarly outputs

Pragya Chaube (Open Science South Asia Network, CODATA Connect) & Cristina Huidiu (Wageningen University and Research)

Liaison with the Co-ordination Committee (CC): go the “CC Liaison with the WGs Co-chairs” section

Working group members - operational level

Report to: the working group Co-chairs

Key responsibilities:

- ▶ Contribution to the activities and deliverables organised by the Co-chairs and the Coordination Committee
- ▶ Participation in OSMI WGs and plenary meetings

Participation:

Groups can take on new members on an ongoing basis.

Co-chairs can choose to form sub-groups to which access is restricted to facilitate organisation and the distribution of work.

Working group members - operational level

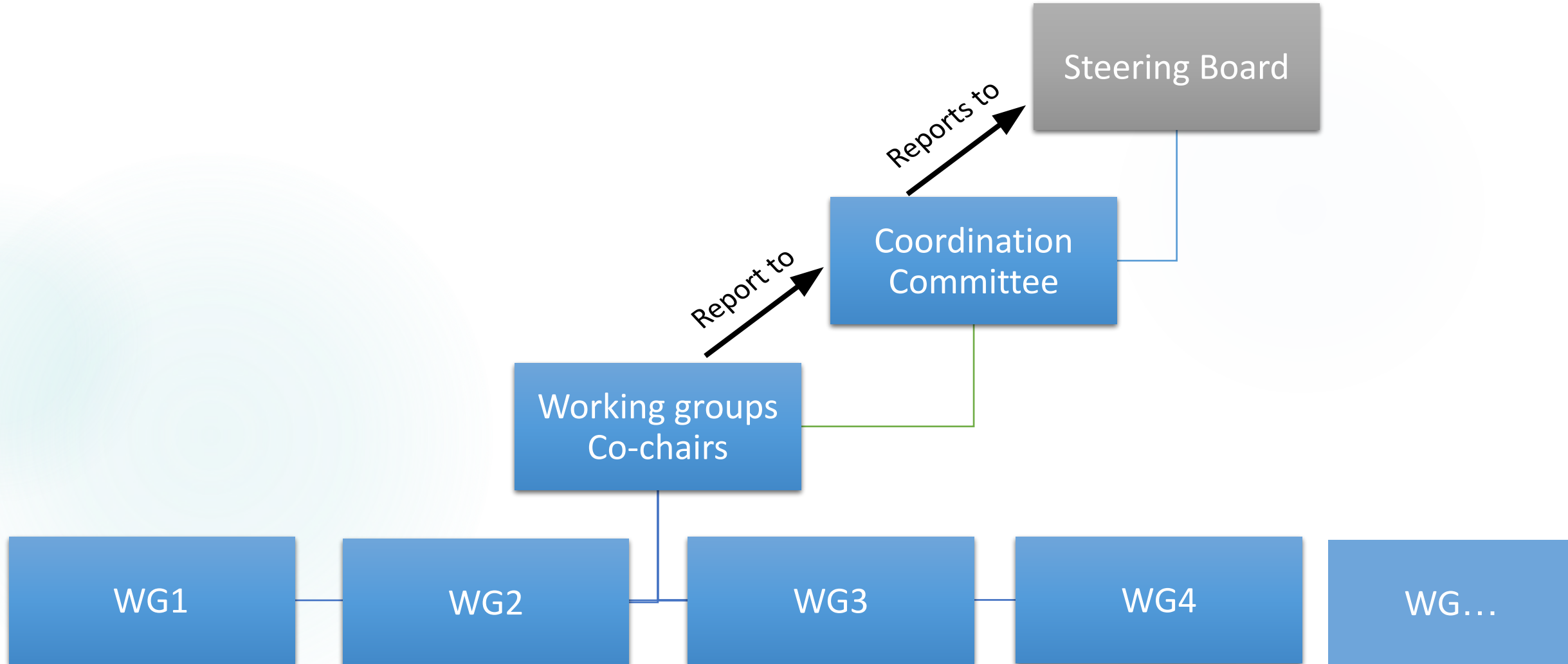
Members:

- ▶ As at September 2025, four working groups
- ▶ To be launched after the first Steering Board meeting:
 - ▶ WG5 Implementation of open science monitors and capacity building
 - ▶ WG6 Technical specifications starting with publications, research data, software...

Meetings: on a regular basis, at intervals decided by the Co-chairs.

A working group is dissolved by the Steering Board when all objectives have been fulfilled.

OSMI Organisation chart





An update from the working groups

WG1 Scoping the needs of OS Monitoring



Goals of the Working Group:

- **Define What Should Be Monitored in Open Science**
→ Establish a shared understanding of *what* needs to be monitored in OS and *why*, across various disciplines and stakeholder groups.
- **Identify Gaps and Challenges Globally**
→ Surface current gaps, limitations, and contextual challenges in OS monitoring—especially across *underrepresented regions and communities*.
- **Provide Foundational Input for Future Monitoring Frameworks**
→ Generate evidence-based, structured outputs (e.g., scoping briefs, principles, policy guidance) to *inform national, regional, and global OS monitoring strategies*.
- **Ensure Inclusive and Ethical Monitoring**
→ Embed *equity, ethics, and regional diversity* into monitoring discussions, and uphold alignment with **UNESCO's Open Science principles and OSMI Principles**.

WG1 Scoping the needs of OS Monitoring



Progress to Date

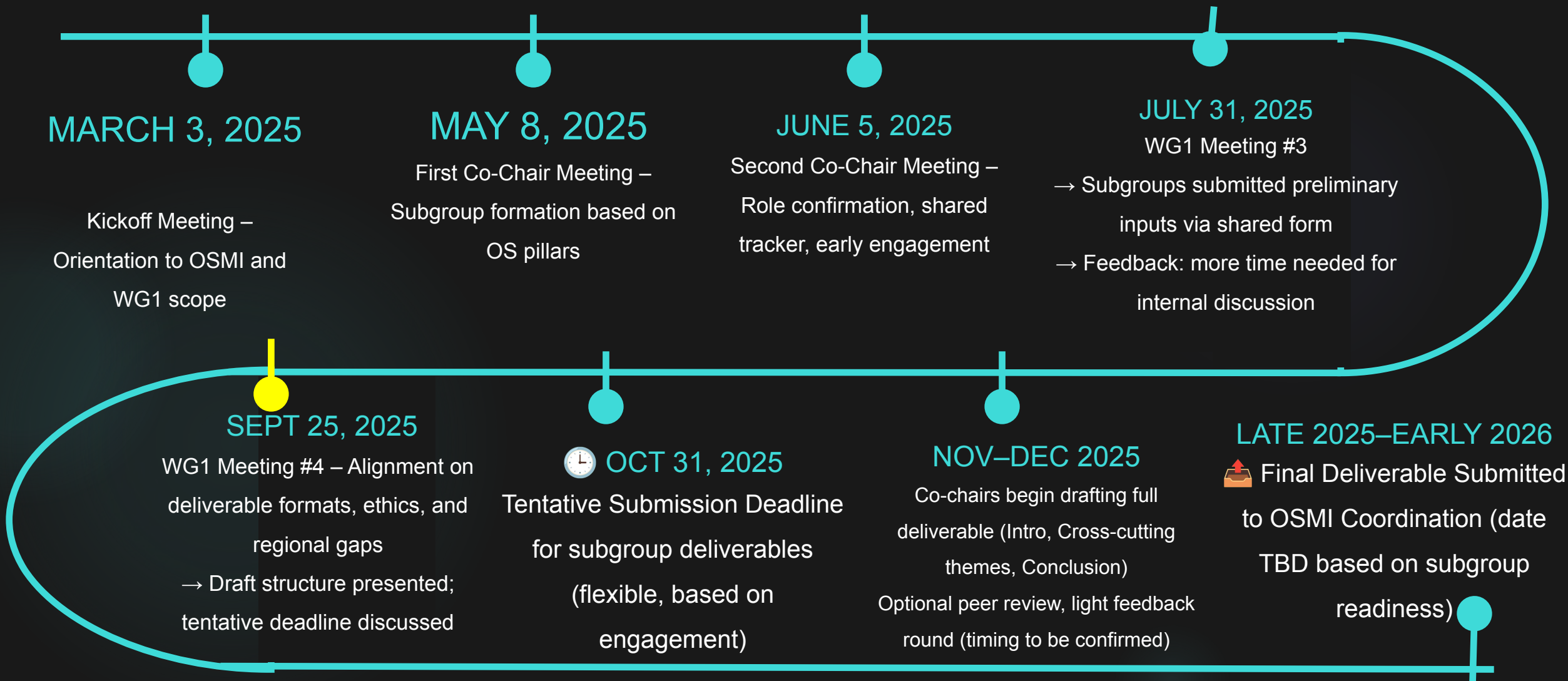
- Formed 5 subgroups aligned with **UNESCO's Open Science principles and [OSMI principles](#)**
- Subgroups selected preferred deliverable formats (briefs, narratives, matrices)
- Working sessions and trackers used to collect needs and examples
- Intro & conclusion chapters already in drafting phase (co-chairs)
- Strong emphasis on **regional equity, ethical framing, and attribution transparency**



Expectations & Timeline

- **Subgroup deliverables due by end of October 2025**, using flexible formats (briefs, narratives, matrices)
- Each submission will reflect **stakeholder needs, regional equity**, and include **CRediT contributor roles**
- **Synthesis across subgroups** will identify cross-cutting themes and shared gaps
- **Final WG1 draft completed by late November–early December 2025**
- **Final deliverable submitted to OSMI in December**, with an optional public presentation in early 2026

WG1 Timeline – Scoping the Needs for Monitoring Open Science



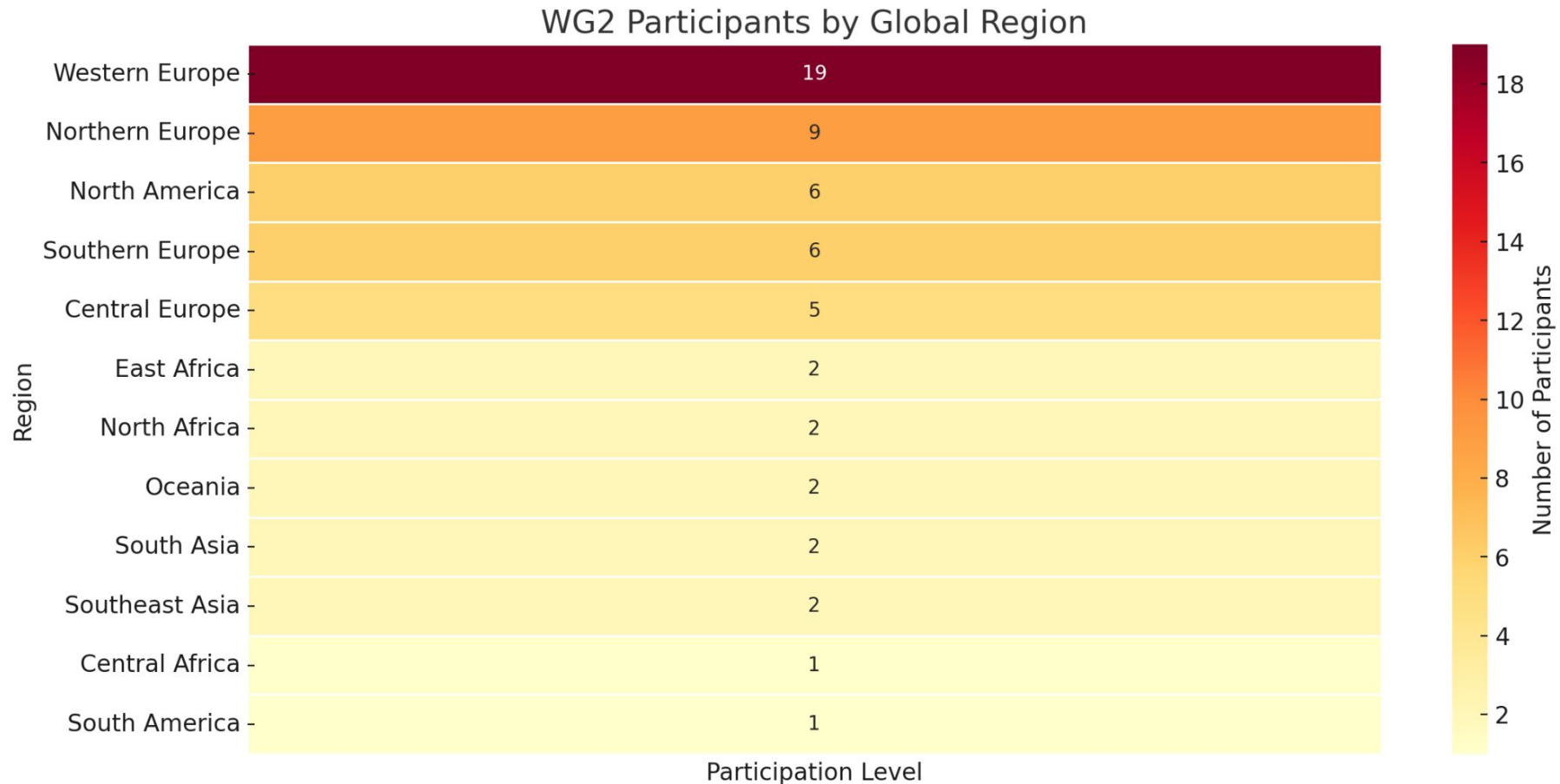
WG2 Understanding the OS

Monitoring landscape

Aim: Map and analyse the global landscape of open science monitoring initiatives

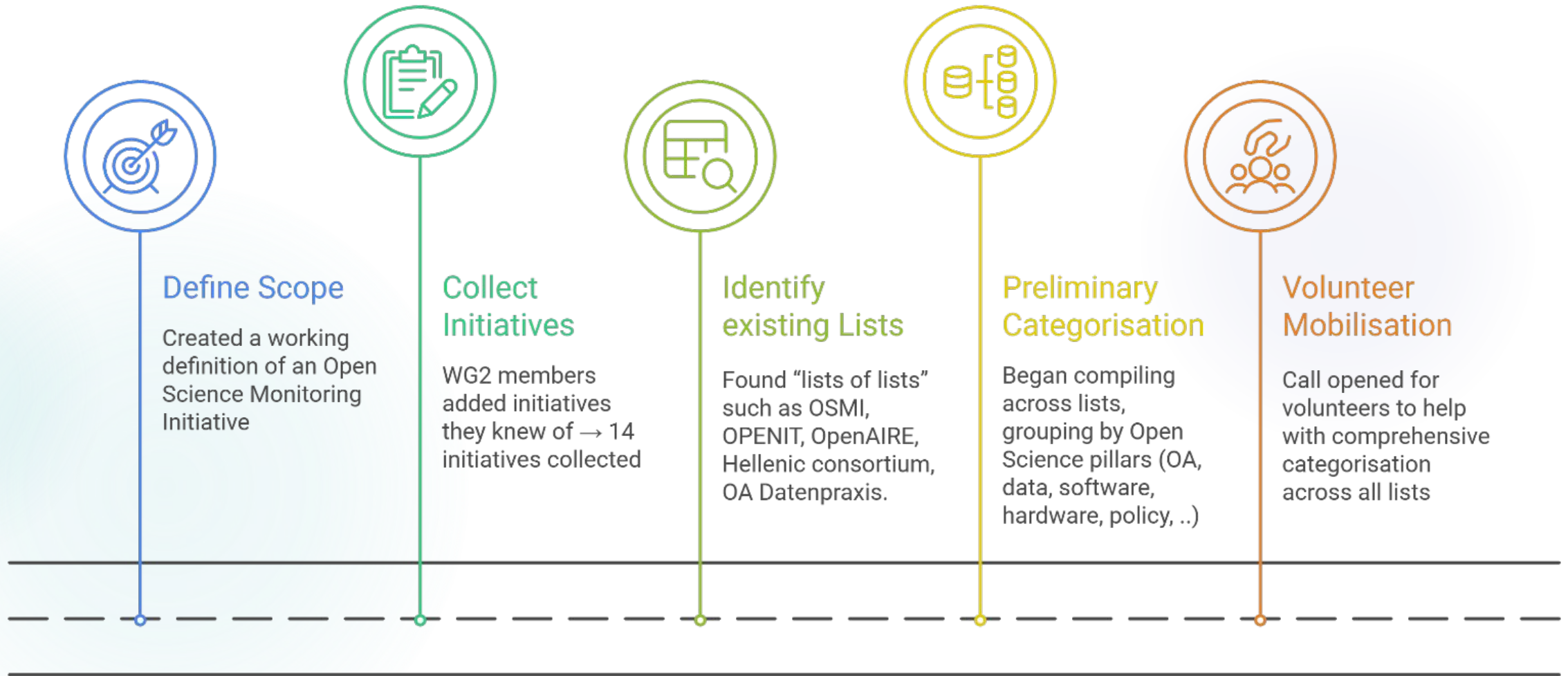
- ▶ Building a consolidated global list of initiatives
- ▶ Identifying patterns, gaps, and blind spots (pillars, regions, stakeholders)

WG2 participants Demographics

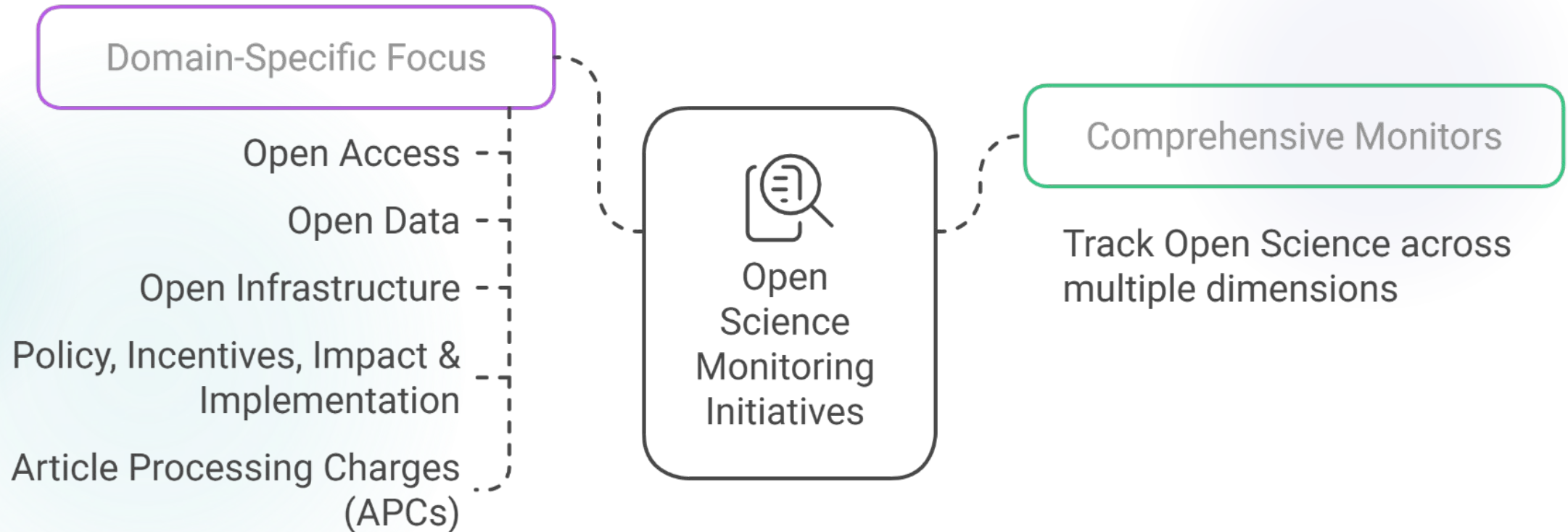


How we work: WG2 meets monthly in two sessions (Tuesday 08:00 UTC & Friday 14:00 UTC) to ensure participation across time zones.

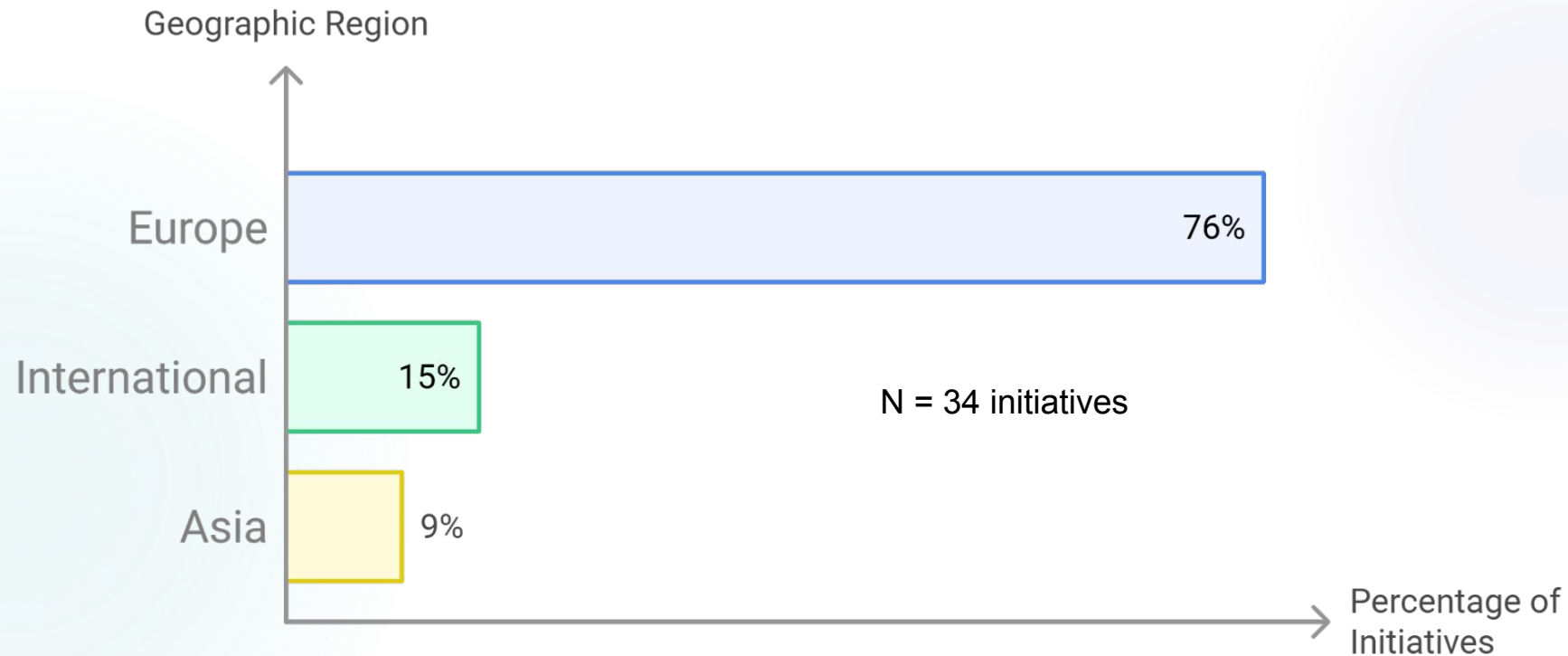
Progress to Date



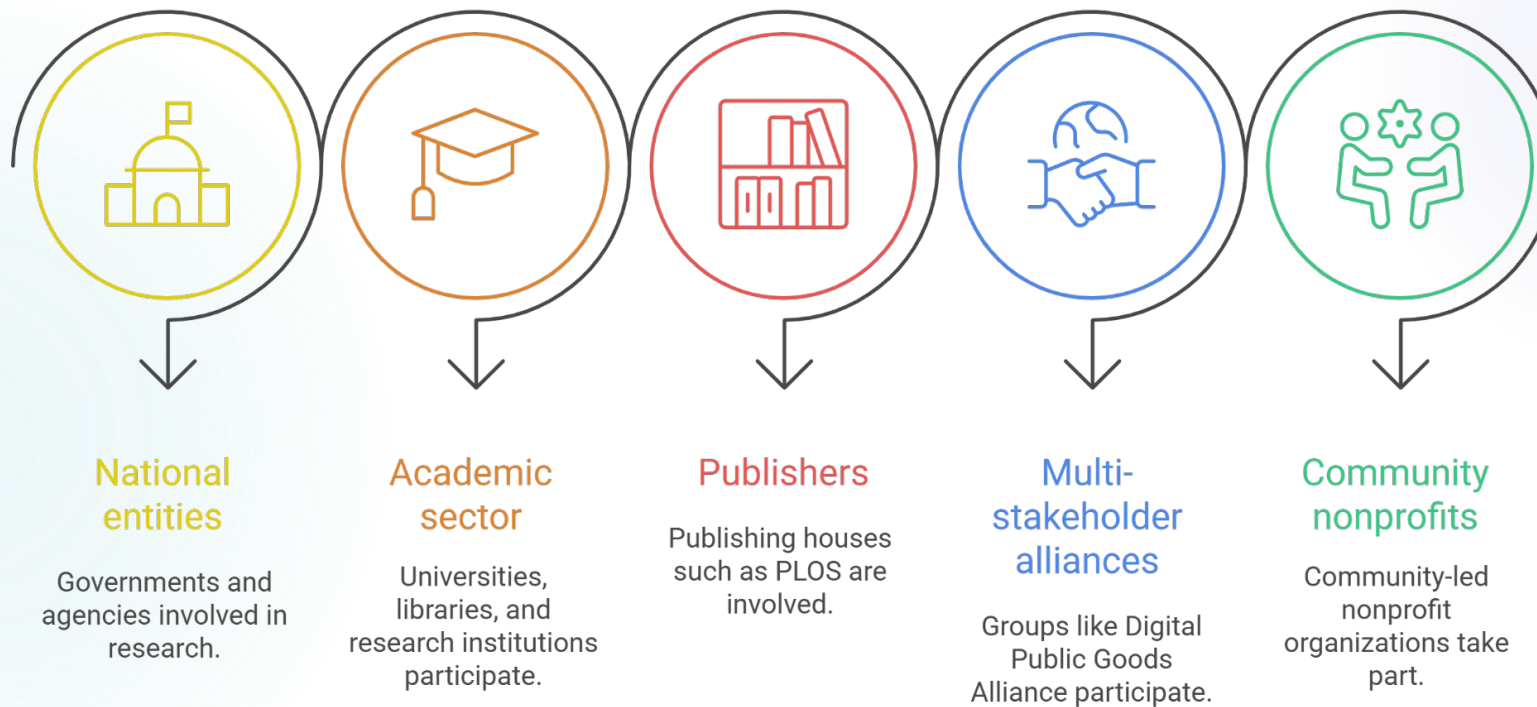
Preliminary Insights: Scope and Categories



Preliminary Insights: Geographic Coverage



Preliminary Insights: Varied Lead Organizations



Next Steps & Deliverables

Next steps:

- Aggregate initiatives from multiple lists into one harmonised WG2 dataset
- Refine and finalise inclusion/exclusion criteria
- Analyse dataset to identify key gaps and trends

Deliverables by 2025:

- Public database of initiatives
- Landscape analysis(patterns, gaps, recommendations)

Beyond 2025

- Formal report or publication summarising WG2 findings and analysis
- Develop an interactive dashboard for exploring the global OS monitoring landscape
- Continue updating and expanding the dataset as new initiatives emerge
- Explore opportunities for collaboration with other WGs to strengthen cross-cutting insights

Questions for the Plenary

WG2 would like to seek guidance and input from the plenary:

- Resources: Does anyone have existing resources (e.g., lists of monitoring initiatives) to share with WG2?
- Analysis: What type of analysis is most expected from WG2's curated list of initiatives?
- Needs: What information and format would be most useful for OSMI outputs?
- Deliverables: Are there additional deliverables stakeholders would like WG2 to produce?

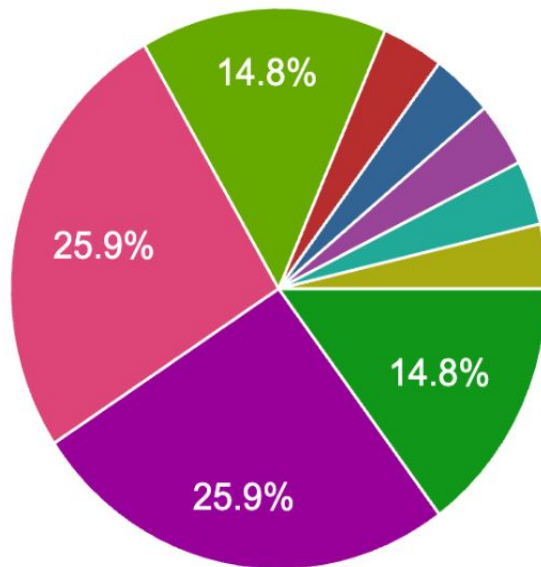
WG3.Open science monitoring with scholarly content providers

Goals of the Working Group:

- Increase the involvement of a variety of scholarly content providers in open science monitoring initiatives
- Increase the availability of results and methods of open science monitoring with scholarly content providers
- Stimulate new initiatives, research, and collaborations that advance and improve the monitoring of open science with scholarly content

WG3.Open science monitoring with scholarly content providers

WG3 composition



Members envisage the work & outputs of this WG supporting their own activities:

- Raise awareness about adoption of open science monitoring among their communities and/or constituents
- Implement technical workflows to collect and/or share open science indicators at their systems & platforms
- Complete meta-research on open science practices
- Develop new open science products

WG3.Open science monitoring with scholarly content providers

Areas of work

Develop a comprehensive overview of what open science monitoring is being done by scholarly content providers, and recommendations for consistent monitoring and for newcomers.

- Motivations and enablers for open science monitoring by scholarly content providers
- Indicators to monitor, with consistent descriptions and methodologies
- Tools and infrastructure required
- Resourcing needs

Survey to collect information on current & aspirational practices across scholarly content providers

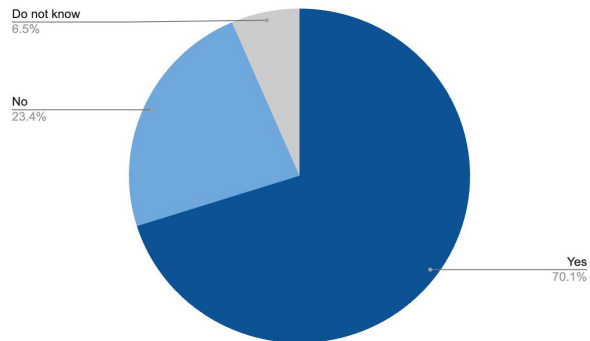
Map open science monitoring done by scholarly content providers to needs in evaluation (by funders/institutions).

Benchmark level of openness of specific outputs.

WG3.Open science monitoring with scholarly content providers

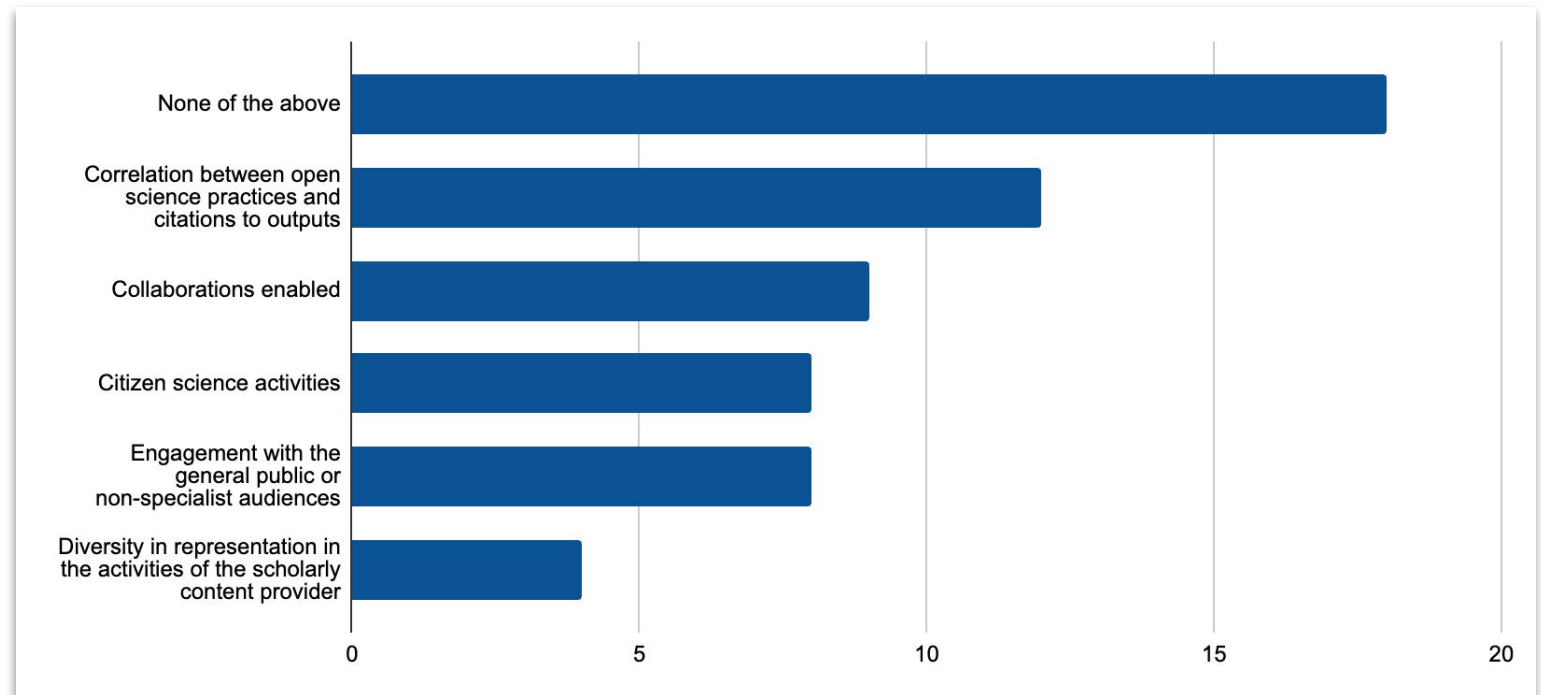
The survey collected information on practices among scholarly content providers who carry out open science monitoring and areas of interest among those who do not yet monitor.

Do you complete open science monitoring?



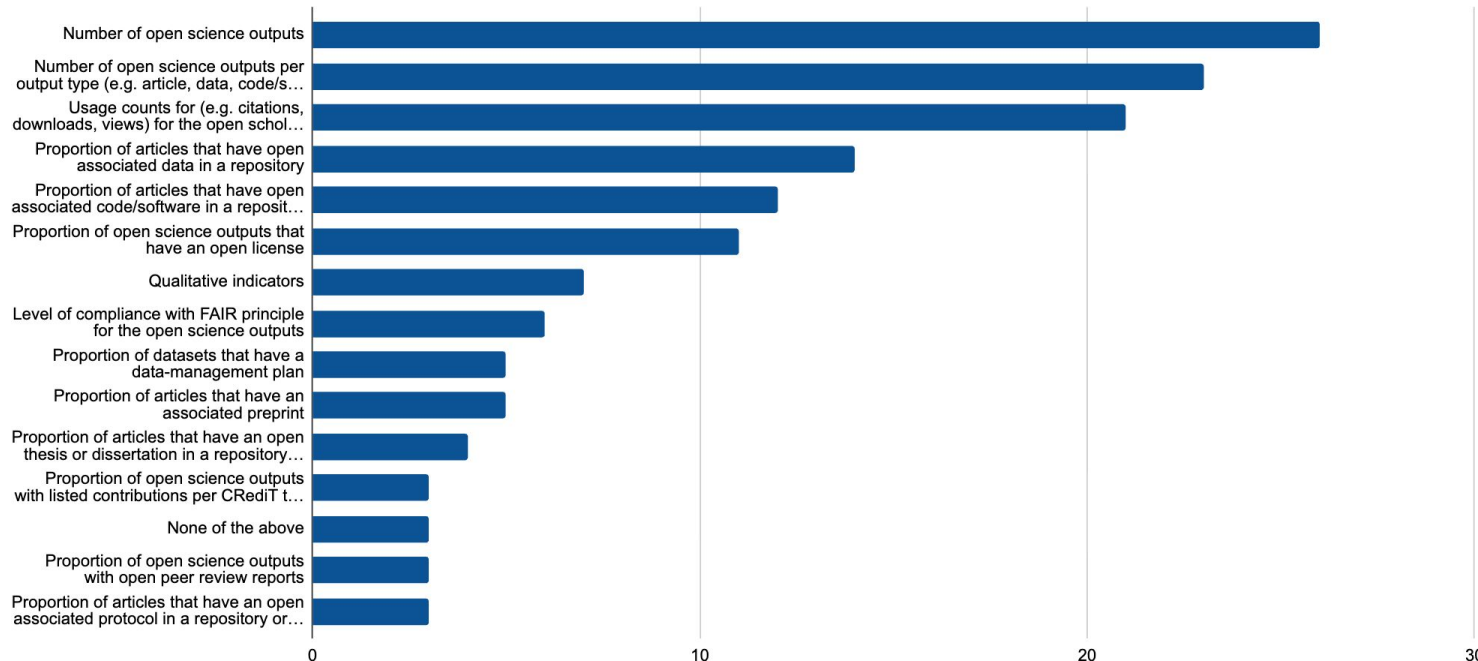
n=77

What indicators related to open science outcomes does your organization currently collect?



WG3.Open science monitoring with scholarly content providers

What indicators related to open science outputs does your organization currently collect?



Approaches to collect specific indicators vary

Example: Open data & code

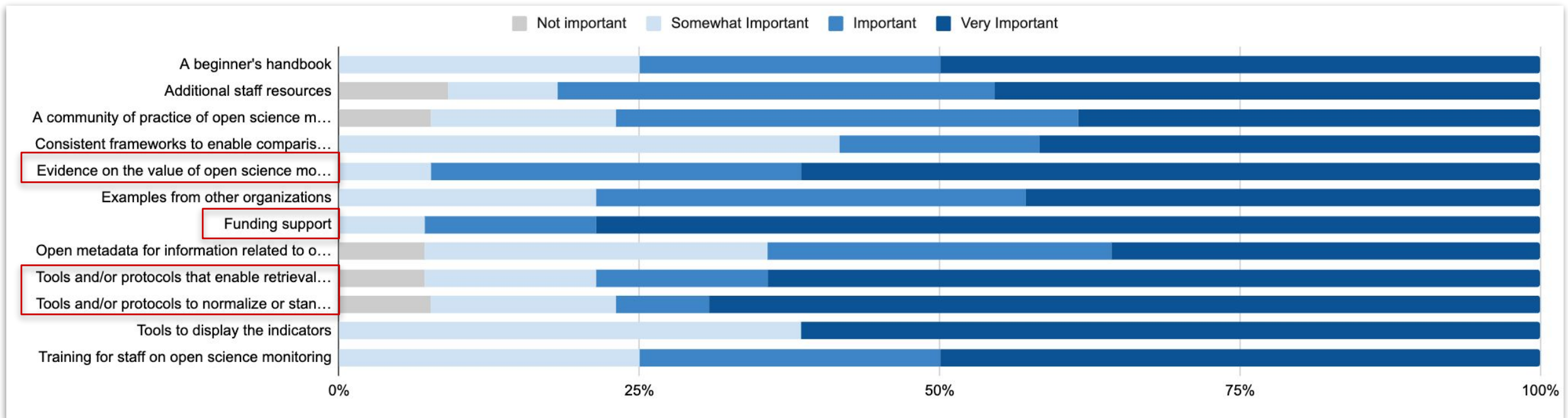
Identify articles that generate new datasets or code (the denominator), then search whether a dataset or code has been shared in a public repository (the numerator).

Links to open data text mined or provided by database associated with paper

Automated tool measures if an article generates data or code and then if the article shared any of that data or code. Data/code sharing includes sharing in repositories, elsewhere online, and via supporting information files.

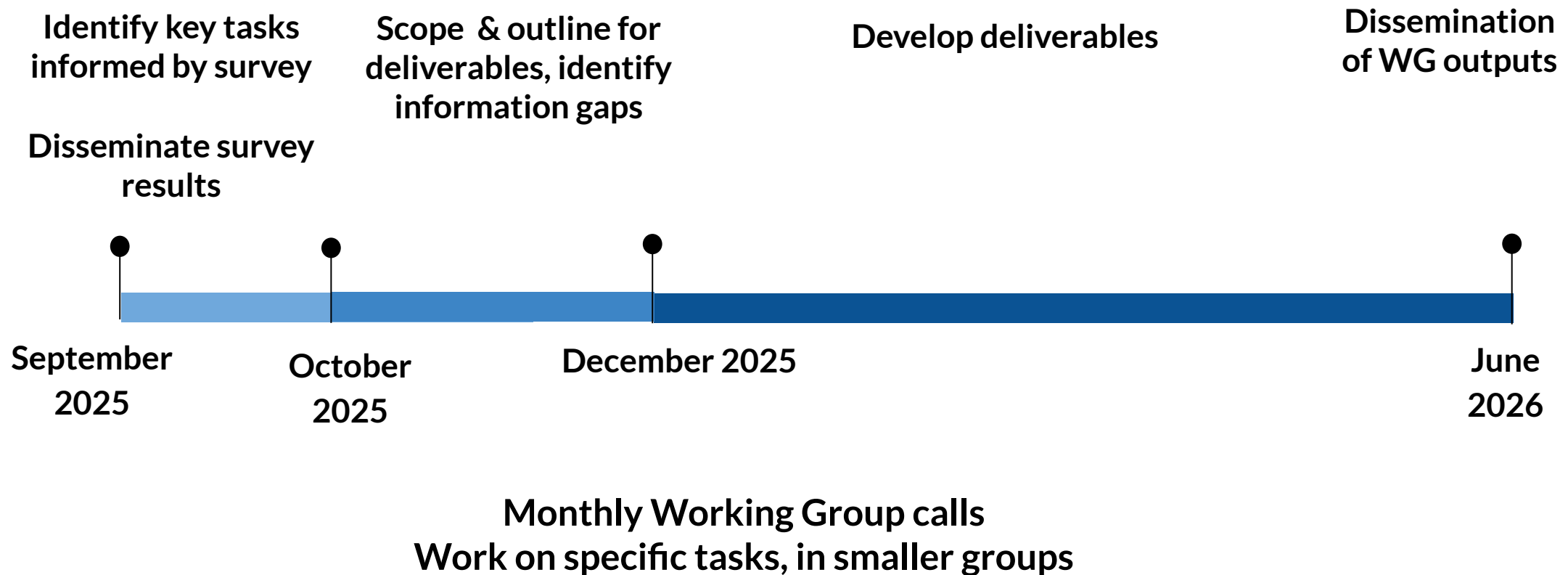
WG3.Open science monitoring with scholarly content providers

Enablers to implement open science monitoring



WG3.Open science monitoring with scholarly content providers

Next steps



WG4: Shared resources and infrastructure to analyze scholarly outputs

Our vision

To advance the use, alignment, and sustainability of open-source tools and shared compute infrastructure that support large-scale extraction of structured information from scholarly full text — while respecting legal limits on text reuse and reducing technical redundancy across the open science ecosystem.

WG4 works through coordination, community intelligence and shared visibility.

WG4 Shared resources and infrastructure to analyze scholarly outputs - survey results

Challenges

| Category | Summary |
|---------------------------|--|
| legal and licensing | restrictions from publishers and lack of clarity on what metadata can be reused. |
| technical readiness | many institutions still lack automation or reliable tdm pipelines. |
| permission and compliance | only a minority consistently check for tdm licenses. |
| scale and maturity | some responses indicated concern that few institutions are ready for large-scale, collaborative metadata extraction. |
| global equity | risk that current tools and frameworks disproportionately represent well-funded regions and languages. |

Opportunities

| Area | Opportunity |
|----------------------|--|
| metadata aggregation | coordinate global efforts to unify atomic-level metadata into a shared layer. |
| open infrastructure | develop and maintain modular, open-source tools for metadata extraction and analytics. |
| community leadership | leverage OSMI's convening power to establish governance models and shared standards. |
| legal templates | create and promote license templates or recommendations for tdm-friendly metadata use. |
| capacity building | support less-resourced institutions with training, templates, and hosted infrastructure. |

WG4 Shared resources and infrastructure to analyze scholarly outputs

► Our 3 strategic pillars (in draft)

1. Support Adoption and Alignment of Open TDM Tools
2. Coordinate Compute and Storage Resource Pooling Models
3. Foster Sub-Working Groups with Tangible Technical Focus

Participation Model

Members engage at different levels, depending on resources and interest:

| Mode | Examples |
|-------------|---|
| Observe | attend plenaries, track updates |
| Contribute | share insights, tools, challenges |
| Lead | facilitate a topic cluster |
| Collaborate | join cluster sprints or align on grants |

WG4 Shared resources and infrastructure to analyze scholarly outputs

Deliverables for 2025–2026

| Deliverable | Description |
|--------------------------------|--|
| Infra maturity model | Synthesized results from survey, showing typology of member capabilities and needs |
| WG4 Topic clusters = activated | Launch and lightly support 3–5 member-led clusters |
| Use case to tool matrix (v1) | Shared tool recommendation table, linked to common use cases and maturity levels |
| Strategic brief for funders | 2–3 page narrative of infrastructure gaps, successes, and why they need investment |
| Cluster showcase | Visible summary of at least one collaborative outcome per cluster (per year) |



Next steps

Next steps

- ▶ Nominating the **5 external experts to the OSMI Steering Board**: send your proposals to osmi-coordination@groupe.renater.fr before 1 November 2025
- ▶ Share your plans to **work with the Principles** through our flash survey: <https://docs.google.com/forms/d/e/1FAIpQLSeXFYbIKaguJB0c27Is6bv3QAFc8kJY0tfTYCaOXKKV4dwRFw/viewform?usp=header>
- ▶ You would like to **translate** the Principles? Ask the CC
- ▶ Interested in being part of the task force working on the **self-assessment grid**? Send an email to osmi-coordination@groupe.renater.fr before 1 November 2025
- ▶ The first OSMI Steering Board will take place in early 2026