



Action 8 - *Strengthen sustainability, accessibility and resilience of research infrastructures in the ERA*

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Priority Areas of the Pact: ERA Policy Agenda 2022-24



Deepening the ERA

1. **Open sharing of knowledge, incl. EOSC**
2. Data legislation fit for research
3. Reform of the research assessment system
4. Strengthen research careers
5. Gender equality and inclusiveness
6. Protect academic freedom
7. Better knowledge valorisation
8. **Strengthen research infrastructures**
9. Promote international cooperation



Widening the ERA

15. Regional and national R&I ecosystems
16. EU-wide access to excellence
17. Strategic capacity of Europe's public research performing organisations



Broadening the ERA

10. R&I Missions and Partnerships for ERA
11. Green energy transformation
12. Green and digital transition of industrial ecosystems
13. Empower higher education institutions
14. Bring science closer to citizens



Prioritising investments and reforms

18. Coordination national support for ERA
19. ERA monitoring mechanism
20. Prioritisation and coordination of R&I investments and reforms

ERA Policy Agenda: Research Infrastructures

Deepening a truly functioning internal market for knowledge

Action 8 - Strengthen sustainability, accessibility and resilience of research infrastructures in the ERA

Set of foreseen activities

- **Strategic analysis** of the European Research Infrastructure **landscape**;
- Broader and more sustainable **access** for all countries to European research infrastructures and their services and revision of the **European Charter** of Access to Research Infrastructures;
- Update of the ESFRI **Roadmap** and implementation of the research infrastructures performance **monitoring** framework;
- Report on the **ERIC Framework**;
- Increased **cooperation** between research infrastructures, e-infrastructures and stakeholders, including through EOSC;

Key Actors

Coordination by

- **Commission:** ERIC Report, European Charter for Access to Research Infrastructures
- **ESFRI** (Member States and Commission): next research infrastructure roadmap, monitoring framework, consultation of stakeholders and associated/third countries as relevant
- **Member States** (Horizon Europe Programme Committee) and **Commission:** preparation of relevant Horizon Europe work programme actions

In addition, engagement of

- Member States (monitoring of national facilities and national nodes).
- Associated Countries in ESFRI in line with the new ERA and consulted (e.g. ERIC Report).
- **Research infrastructures** (notably ESFRI Landmarks, ESFRI Projects and ERICs), their umbrella organisations, such as the ERIC Forum, ERF, LEAPS, LENS, among others, as well as appropriate international organisations: consulted for all relevant activities.



Commitments by MS, AC & stakeholders



Overall, **action 8** received commitments by **24 Member States**; **4 Associated Countries**; **7 Stakeholders**

Engagement of stakeholders: recent workshops and events



Workshop on Research and Innovation needs of RIs (March 2022)

- ✓ **Participants** from Member States, research infrastructures, research performing organisations
- ✓ Align RI **policy and programmatic frameworks** underpinning a long-term vision
- ✓ **Roadmap-based methodologies** to anticipate future R&I needs
 - Development of European research infrastructure **landscape**
 - Delivering **services**
 - Next generation of scientific **instruments, tools, technologies** and methods and digital solutions
 - Cooperation with industry and support to **innovation**

ESFRI Workshop on Landscape Analysis (April 2022)

- ✓ **Participants:** ESFRI Delegates, National Experts, Research Infrastructures
- ✓ Stakeholder consultation (online survey)
- ✓ Strengths and weaknesses of the ESFRI landscape analysis
- ✓ Future scope and intended audience

Issues to look into for preparing the next Landscape Analysis

- Analysing **structure**
- Analysing **methodology**
- Analysing **tools and processes**
- Defining the **landscape outlook**
- **Long-term sustainability**
- Establishing structural **links with other processes**

ESFRI Workshop on Monitoring (April 2022)

- ✓ **Participants:** ESFRI Delegates, ESFRI working groups, research infrastructures
- ✓ **Context:** request from Member States (Council concl. 2018) – Action 8 of the ERA Policy Agenda

Main points:

- presenting the **rationale, objectives and outline** of the methodology for the monitoring of Landmarks,
- clarifying open **questions**, potential doubts and uncertainties around the monitoring process;
- learning from Landmarks and other stakeholders directly concerned by the monitoring process about the main **added value of monitoring**, perceived **bottlenecks** and **challenges**;
- preparing ground for **finalising the monitoring methodology**, which would then be presented in a separate workshop for Landmarks only to kick-start the monitoring process.

ESFRI Stakeholders Forum

- ESFRI Stakeholder Forum was launched in March 2022 with High-level event moderated by Jean-Eric Paquet.
- **1st Stakeholder Forum Meetup in Brussels on 15 September 2022.**
- Fully booked event with 150 participants on site.
- Plenary sessions and four parallel sessions on Climate, Energy, Oceans, and Culture.
- Panels discussed good practices and bottlenecks hindering the enhanced use of RI's services or delivery.
- Needs and future opportunities were flagged.

Expected impact of ERA Action 8

- Strengthened research infrastructure **services**, better adapted to user needs (scientific challenges and EU policy priorities such as the green and digital transition)
- **Sustainability** of European research infrastructures (ERICs and others; system as a whole)
- Better **accessibility** of European research infrastructures and their services to users across the EU, including through the EOSC
- Stronger **engagement of stakeholders** in research infrastructures activities
- Robust **priority setting** for further investments in existing and new research infrastructures (evolving R&I landscape)
- Identification of opportunities for research infrastructure **clustering**
- Enhanced **impact on society**, skills and talents;
- Strengthened engagement with manufacturing industry and positive **impact on economy**

Thank you!



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