



# ERA Country Report 2024

## Moldova

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Report

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## **ERA Country Report 2024: Moldova**

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# **ERA Country Report 2024**

## **Moldova**

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## Key takeaways

- Moldova has committed to nine ERA Actions, covering three out of four ERA Priorities Areas, a considerable commitment considering that Moldova is among the associated countries with one of the lowest GDP per capita. Moldova has adopted a new National R&I Programme in December 2023. One of the three general objectives of this programme is a stronger integration in ERA.
- Moldova is putting many efforts into talent circulation and increasing the attractiveness of research activities. Salaries of researchers have increased significantly in 2024, and (bilateral) research calls often have the requirement of including at least one young researcher in the team.
- Moldova's National Development Strategy is closely aligned with the European Green Deal, and the country got involved since 2024 in other EU missions and partnerships (e.g. Water4All and Biodiversa+).
- Yet, the ERA Dashboard Indicators show that Moldova's performance is declining rather than progressing in many areas. Given the above development, this might change in the near future, although the fact that the total R&D expenditure of Moldova has not increased over the past years makes it hard to realise this shift.

## 1. National context

Moldova is an *Emerging Innovator* according to the European Innovation Scoreboard 2024<sup>1</sup>, performing at 23.2 percent of the EU-27. Its performance has increased with 10 percent, which is less than the EU average. According to the Scoreboard, one of Moldova's strengths is the share of foreign doctorate students as of the entire doctorate student population. Its public-private co-publications have significantly increased over the past year. Relative weaknesses of Moldova include low R&D expenditure in the business sector and employment in both knowledge-intensive activities and innovative enterprises.

Moldova has a relatively small population (2.5 million). It is one of the poorest countries in Europe. Moldova has 768 researchers (FTE) per million inhabitants, which is considerably less than the European average (for references and more information (see Table 1).

**Table 1 Structural Key Indicators**

Indicator	EU27	Moldova		
	2023	2023	Average 2018-2020	Average 2021-2023
GDP per capita, in current prices	35 790.00	16.72	/	/
Gross Domestic Expenditure on R&D (GERD) as a share of GDP (in %)	2.27	0.23	0.24	0.23
Size of the population (million)	448.80	2.51	2.69	2.57
Researchers (in FTE) per million inhabitants	4 681.34	768.02	833.88	772.43

Source: Annex 1

In December 2023, Moldova adopted its new National R&I Programme<sup>2</sup>, which seems ambitious on the outset. One of the three general objectives of the programme is the establishment of a stronger integration in the European Research Area (ERA). This shows that the programme has strong synergies with ERA actions. The Consultative Council for Science and Innovation, established in 2023 and part of the Ministry of Education and Research, is tasked with the critical role of overseeing parts of the implementation this programme.

## 2. Status of the Implementation of the ERA Policy Agenda

Chapter 2 briefly summarises **new developments in Moldova**, based on the commitments to ERA Actions. The findings are based on qualitative desk research and interviews.

Moldova has committed to nine out of twenty ERA Actions, covering three out of four Priority Areas (see Table 2). Focus areas of the national ERA implementation are Priority 1 (Internal Market for Knowledge) and Priority 3 (Excellence). One of Moldova's key ambitions is to increase the access to and integration in EU research and innovation ecosystems.

<sup>1</sup> European Innovation Scoreboard 2024 Country Profile Moldova, [https://ec.europa.eu/assets/rtd/eis/2024/ec\\_rtd\\_eis-country-profile-md.pdf](https://ec.europa.eu/assets/rtd/eis/2024/ec_rtd_eis-country-profile-md.pdf), accessed 15-01-2025.

<sup>2</sup> [https://mecc.gov.md/sites/default/files/pnci\\_merged.pdf](https://mecc.gov.md/sites/default/files/pnci_merged.pdf), accessed 30-12-2024.

**Table 2 Commitment to ERA Actions**

1: Deepening a truly functioning internal market for knowledge								
1. Enable Open Science, including through EOSC	2. Propose an EU copyright and data legislative framework for research	3. Reform the Assessment System for research, researchers and institutions	4. Promote attractive research careers, talent circulation and mobility	5. Promote gender equality and foster inclusiveness	6. Protect academic freedom in Europe	7. Upgrade EU guidance for a better knowledge valorisation	8. Strengthen research infrastructures	9. Promote international cooperation
2: Taking up together the challenges posed by the twin green and digital transition, and increasing society's participation in the ERA					3: Amplifying access R&I excellence across the Union		4: Advancing concerted research and innovation investments and reforms	
10. Make EU R&I missions and partnerships key contributors to the ERA	11. An ERA for green transformation	12. Accelerate the green & digital transition of Europe's key industrial ecosystems	13. Empower Higher Education Institutions	14. Bring Science closer to citizens	16. Improve EU-wide access to excellence	17. Enhance public research institutions' strategic capacity	19. Establish an ERA monitoring system	

Source: European Commission (Note: Actions 15, 18 and 20 were not implemented)

There is no formal national ERA action plan or strategy, but the national implementation of ERA Actions is coordinated through – primarily – the National R&I Programme, which will run until the end of 2027<sup>3</sup>. Specific aims related to the ‘integration into the ERA’ include increasing research internationalisation and fully leveraging opportunities as an Associated Country in the Horizon Europe Programme.

## ERA Priority 1: Deepening a truly functioning internal market for knowledge

**ERA Action 1)** Enable the open sharing of knowledge and the re-use of research outputs, including through the development of EOSC

Since the previous ERA country report, the National Agency for Research and Development (NARD) has remained a member of EOSC and as such represents Moldova within EOSC. To underline its participation in EOSC, a launch event for the National Open Science Cloud Initiative event was held in 2023.<sup>4</sup> Three higher education institutes currently have institutional open science policies.<sup>5</sup> In September 2024, the Information Society Development Institute (IDSI) of Moldova joined OpenAIRE and became the National Open Access Desk (NOAD) of Moldova.<sup>6</sup>

**ERA Action 3)** Advance towards the reform of the Assessment System for research, researchers and institutions to improve their quality, performance and impact

A modification of the law on research (institutes') assessment gives a stronger mandate to Anacec, the legal public body for quality assurance in the field of research and education. However, while Anacec is now the organisation that has the most responsibilities for research assessment, it has not been able to fully fulfil its tasks due to capacity issues.

<sup>3</sup> [https://mecc.gov.md/sites/default/files/pnci\\_merged.pdf](https://mecc.gov.md/sites/default/files/pnci_merged.pdf), accessed 30-12-2024.

<sup>4</sup> <https://www.eifl.net/events/md-nosci-inaugural-event>, accessed 30-12-2024.

<sup>5</sup> [https://ase.md/files/stiinta/docs/2.41\\_Politica\\_SD.pdf](https://ase.md/files/stiinta/docs/2.41_Politica_SD.pdf), accessed 15-01-2025; <https://utm.md/wp-content/uploads/2021/12/UTM-Strategia-Stiinta-Deschisa.pdf>, accessed 15-01-2025; [https://usmf.md/sites/default/files/inline-files/USMF\\_Strategia%20OS\\_cu%20PLAN%202021-2026\\_english.pdf](https://usmf.md/sites/default/files/inline-files/USMF_Strategia%20OS_cu%20PLAN%202021-2026_english.pdf), accessed 15-01-2025.

<sup>6</sup> <https://www.openaire.eu/blogs/meet-our-new-noad-from-moldova-welcoming-the-information-society-development-institute>, accessed 15-01-2025.

**ERA Action 4)** Promote attractive and sustainable research careers, balanced talent circulation and international, transdisciplinary and intersectoral mobility across the ERA

Moldova continues to work on enabling free circulation of researchers, scientific knowledge, and technology. Salaries of researchers have significantly increased in 2024, stimulating the attractiveness of careers in research. In addition, Moldova currently runs a post-doc programme to stimulate the research activities of young researchers. Moldova also launched two research calls in the last 1.5 years, which are specifically targeting young researchers. One call was funded from national resources, the other from EU-funds<sup>7</sup>. Lastly, in recent bilateral joint-research calls with Germany (January 2024) and Romania (September 2024), required the involvement of at least one young researcher included in the team as eligibility criteria.<sup>8</sup>

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

In the new National R&I Programme adopted in December 2023, one specific objective is enabling access to high-quality research infrastructures (RI). The objective included the creation of a comprehensive RI roadmap, aligning national ambitions with international standards, supported by a new working group. A revised financing methodology was suggested in the roadmap, including provisions for additional funding specifically for infrastructure development. The working group made a draft of an Open RI National Regulation, which is pending approval.

**ERA Action 9)** Promote a positive environment and level playing field for international cooperation based on reciprocity

In the past 1.5 years, Moldova has launched bilateral research calls with Georgia (2024), Germany (2024) and Romania (2023 – funding 38 projects – and 2024). An Armenian-Moldovan call is planned for 2025.<sup>9</sup>

## **ERA Priority 2: Taking up together the green transition and digital transformation and other challenges with impact on society and increasing society's participation in the ERA**

**ERA Action 10)** Make EU R&I missions (10.1) and partnerships (10.2) key contributors to the ERA

The National Development Strategy 2030 (NDS 2030) includes a strategic objective to ensure the sustainable management of natural resources and minimise the environmental impact of economic activities. Additionally, the NDS 2030 outlines a specific climate change goal and incorporates targeted measures such as advancing renewable energy, adopting sustainable agricultural practices, protecting biodiversity and ecosystems, and reducing waste and pollution. The NDS 2030 follows the EU Digital Compass 2030 in its aim to stimulate digitalisation and innovation. Moldova is also active in the Digital Europe Programme and has assigned a National Contact Point to streamline its efforts in this programme. Both the Energy Strategy of Moldova 2030 and the National R&I Programme 2024-2027 are developed in line with the Green Deal objectives.<sup>10</sup>

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<sup>7</sup> Information provided by an interview with authorities from NARD.

<sup>8</sup> Information provided by an interview with authorities from NARD.

<sup>9</sup> Information provided by an interview with authorities from NARD.

<sup>10</sup> Energy Strategy of the Republic Moldova to the year 2030, [https://www.spcr.cz/files/Moldova\\_EnStrategy\\_draft\\_12\\_full\\_310512.pdf](https://www.spcr.cz/files/Moldova_EnStrategy_draft_12_full_310512.pdf), accessed 15-01-2025.



Furthermore, Moldova is included in the Water4All Partnership<sup>11</sup> and the Biodiversa+ Partnership<sup>12</sup> since 2024. From 2025 onwards, Moldova will also join the European Partnership on One Health Anti-Microbial Resistance.<sup>13</sup>

**ERA Action 13)** Empower Higher Education Institutions to develop in line with the ERA, and in synergy with the European Education Area Universities are following the implementation of the 2022 national reform, through which all 19 Moldovan research institutes were integrated into universities. For some universities, the reform has already generated financial and educational benefits. Other institutions, such as the State University of Moldova, are still struggling with the absorption, as the different research institutes are focused on widely different research disciplines.

**ERA Action 14)** Bring Science closer to citizens The Ministry of Education and Research and NARD have been promoting citizen engagement through multiple awareness events and campaigns.<sup>14</sup> The National Agency for Quality Assurance in Education and Research, hosted the "Research Night" in September 2023.<sup>15</sup>

### **ERA Priority 3: Enhancing access to research and innovation excellence across the Union and enhancing interconnections between innovation ecosystems across the Union**

**ERA Action 16)** Improve EU-wide access to excellence Action 16 is a key priority of Moldova's current National R&I Programme. A major development was the opening of the National Horizon Europe Office, in May 2023<sup>16</sup>, which encourages to participate in European programmes and provides instrumental support to stimulate this aim.<sup>17</sup> So far, Moldova received EUR 7.58 million in funding from Horizon Europe for 65 participations and is ranked 12<sup>th</sup> of the 19 Associated Countries and 5<sup>th</sup> based on contributions per inhabitant. It's main collaborators within this programme are Italy and Spain.<sup>18</sup> Moldova has intensified its efforts informing stakeholders about opportunities within Horizon through organising National Info Days and two workshops in September 2023<sup>19</sup> and a 'Proposal Writing Camp' was organised in November 2023.<sup>20</sup> In 2024, NARD organised information events for academic stakeholders. Regarding the latter, NARD organised information seminars at the Academy of Economic Studies of Moldova<sup>21</sup> and the State University of Moldova<sup>22</sup> in September 2024.

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<sup>11</sup> <https://www.water4all-partnership.eu/governing-board>, accessed 15-01-2025.

<sup>12</sup> <https://www.biodiversa.eu/biodivtransform-participating-funding-organisations>, accessed 15-01-2025.

<sup>13</sup> <https://ancd.gov.md/ro/content/lansarea-concursului-transnational-comun-Watter4all>, accessed 30-12-2024.

<sup>14</sup> See for an overview of news and events the NARD homepage: <https://ancd.gov.md/ro>.

<sup>15</sup> <https://zoology.md/en/european-research-night-2023>, accessed 15-01-2025.

<sup>16</sup> <https://ancd.gov.md/en/content/inauguration-horizon-europe-national-office-sau-opening-horizon-europe-national-office>, accessed 15-01-2025.

<sup>17</sup> <https://horizoneurope.md/en/he-office>, accessed 30-12-2024.

<sup>18</sup> Horizon Europe Dashboard, accessed 30-12-2024.

<sup>19</sup> <https://ancd.gov.md/en/content/national-office-orizont-europe-dialogue-scientific-community-asem>, accessed 30-12-2024.

<sup>20</sup> <https://ancd.gov.md/en/content/proposal-writing-camps-and-expert-consultations-provide-assistance-researchers-public-and-0>, accessed 30-12-2024.

<sup>21</sup> <https://ancd.gov.md/ro/content/ancd-demarat-o-nou%C4%83-campanie-de-informare-privind-participarea-la-concursurile-de-proiecte>, accessed on 30-12-2024.

<sup>22</sup> <https://ancd.gov.md/ro/content/USM-in-rol-de-gazda-pentru-sesiunea-de-informare-ancd>, accessed on 30-12-2024.

**ERA Priority 4: Advancing concerted research and innovation investments and reforms**

Moldova has not committed to the ERA Action under this priority area.

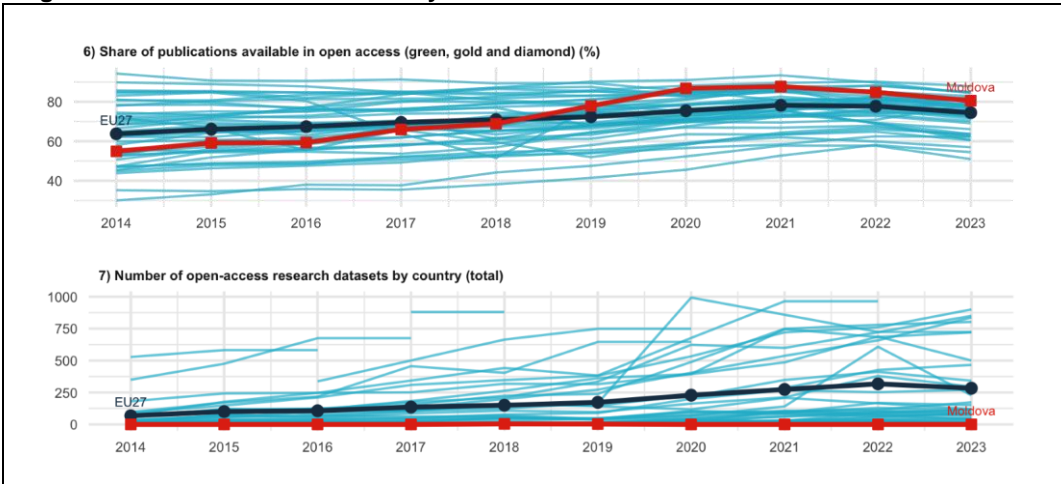
**3. Contribution of ERA Actions to national performance in reaching ERA objectives**

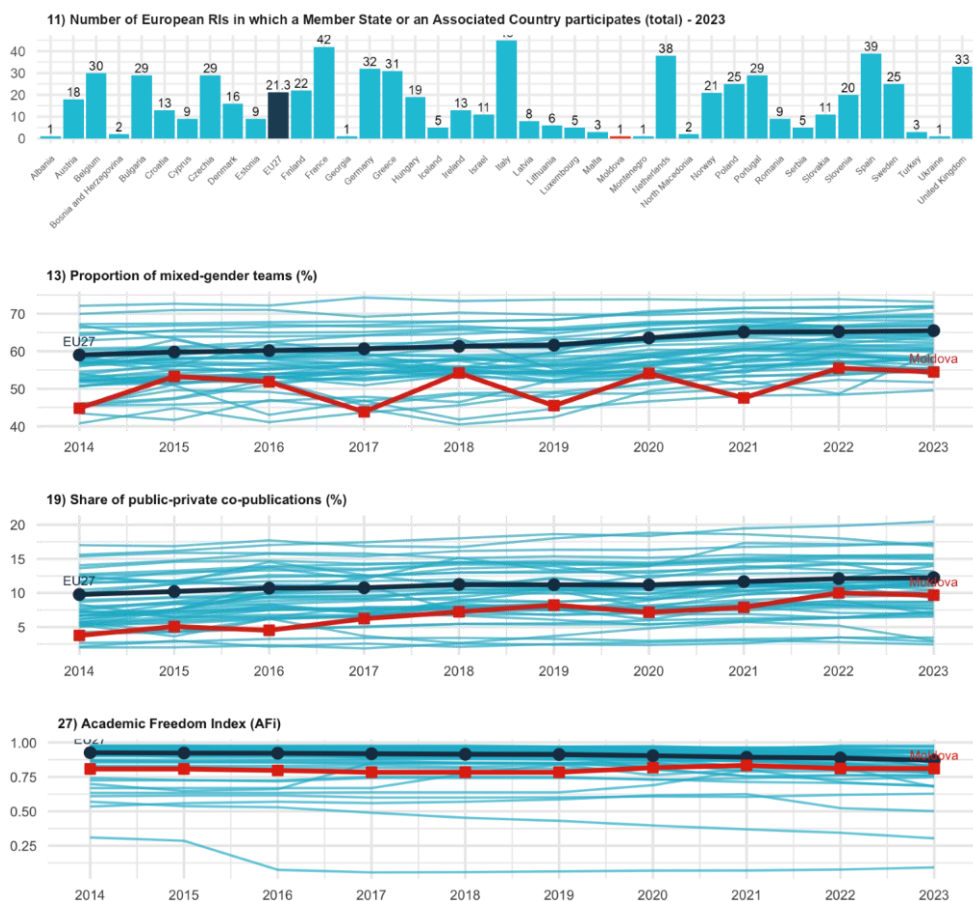
This chapter provides a qualitative assessment of how the joint ERA Actions contributed to Moldova’s performance in achieving the ERA objectives as defined in the Pact for R&I during the period 2022-2024.

**ERA Priority 1** is addressed through a range of initiatives focussing on ERA Actions 1, 3, 4, 8 and 9 which aim to, among others, stimulate open science, increase research access, create high quality RI and more talent mobility. Activities are being implemented and supported by targeted initiatives. This is primarily operationalised through the new National R&I Programme and Moldova’s membership of EOSC and the OpenAIRE programme. Bilateral research calls with Romania, Georgia and Germany have also helped Moldova towards achieving ERA objectives.

However, ERA Dashboard Indicators 6, 7, 9, 11, 13, 19 and 27 suggest there is slow or no progress in reaching ERA objectives within the first ERA Priority Area (Deepening a truly functioning internal market for knowledge). This is likely due to low national investments in R&I (in fact, over the last few years there has been no increase in the Gross Expenditure on Research and Development (GERD) at all, see ERA Dashboard Indicator 43). Another reason could be that while the new National R&I Programme has initiated promising actions, several initiatives still need to be approved and/or implemented by the Ministry of Education.

**Figure 3-1 Indicators for ERA Priority 1**

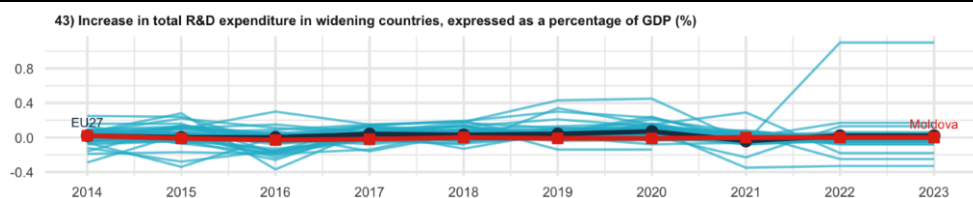




Source: Annex 1

**ERA Priority 2**, where Moldova has committed to Action 10, 13 and 14, is addressed through several partnerships, including Water4All and Biodiversa+. The NARD is actively raising awareness and capabilities for participation in these partnerships by organising informational events. Moldova also has substantial involvement in the Digital Europe Programme and has assigned a National Contact Point to streamline efforts in this programme. As was mentioned earlier in this section, there is no increase in the total R&D expenditure of Moldova (see below), making it difficult to make progress on ERA priorities.

**Figure 3-2 Indicators for ERA Priority 2**

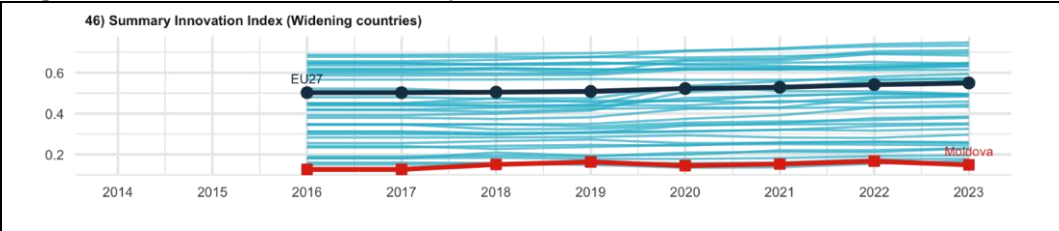


Source: Annex 1

The most notable development within **ERA Priority 3**, where Moldova has committed to Action 16, is the establishment of and the subsequent actions by the National Horizon Europe Office. This has stimulated the awareness of stakeholders of European calls and increased the capacity of these stakeholders to write proposals and participate and attract funds in European programmes.

The indicator related to this ERA Priority shows that there is a decline in Moldova's Summary Innovation Index (ERA Dashboard Indicator 46) based on the European Innovation Scoreboard.<sup>23</sup> This decrease is mainly caused due to a negative performance change in the attractiveness of its research system and the environmental sustainability.

**Figure 3-3 Indicators for ERA Priority 3**



Source: Annex 1

#### 4. Effects of ERA Action implementation on the national R&I system

This chapter presents a qualitative assessment of the ERA Action commitments of Moldova and their effects on the national R&I system.

Under **ERA Priority 1**, Moldova's implementation of ERA Action 1 reflects the country's ambition to make all publications and research activities that have received national funding publicly available. In addition, actions related to ERA Action 3, such as the modification of the law on research assessment, underlines Moldova's aim to have yearly, thorough research (institute) assessments. Because of capacity issues, this has not yet been achieved. Furthermore, salary increase of researchers (related to ERA Action 4) should stimulate the attractiveness of research careers. Lastly, in 2023 a call was launched on creating a comprehensive RI Roadmap, in line with ERA Action 8. This has strongly contributed to one of the specific objectives of the 2024-2027 National R&I Programme.

Concerning **ERA Priority 2**, Moldova sought synergies with the Green Deal under Action 10 by aligning the priorities and objectives of the Energy Strategy of Moldova 2030, the National Development Strategy 2030 and the National R&I Programme. Moldova is also included in European partnerships, attracting European expertise and funds that strengthen the national R&I system. Moldova has organised several events in line with Action 14, such as 'Research Night' in 2023, strengthening the synergy between civil society and science.

In **ERA Priority 3**, Moldova has made significant steps in implementing ERA Action 16, which has contributed to one of Moldova's key national priorities at the moment: gaining access to

<sup>23</sup> European Innovation Scoreboard 2024 Country Profile Moldova, [https://ec.europa.eu/as-sets/rtd/eis/2024/ec\\_rtd\\_eis-country-profile-md.pdf](https://ec.europa.eu/as-sets/rtd/eis/2024/ec_rtd_eis-country-profile-md.pdf), accessed 15-01-2025.

the European research ecosystem. These steps are for a large part generated through the establishment of the National Horizon Europe Office, and Moldova's participation in Horizon Europe activities.

For the moment however, the ERA Dashboard does not present indicators that support any of the progress mentioned in this section. It is possible that these effects will be only quantifiable through ERA Dashboard Indicators in the coming years.

## 5. Conclusions

Moldova's recently adopted National R&I Programme, which runs from 2024 till 2027, underlines Moldova's commitment to a solid integration of ERA priorities. Not surprisingly because one of the three General objectives of this programme is dedicated to this aim. In turn, in the past 1.5 years, Moldova has undertaken significant steps within ERA priorities areas.

Regarding ERA Priority 1, Moldova is actively participating in European partnerships for Open Science, it has produced a strategic roadmap for the development of RI, and it has initiated several bilateral calls that stimulate both research mobility and access to international research excellence. Under ERA Priority 2, Moldova is involved in large European partnerships, and more are to come. It has also aligned several national strategies, such as the National Development Strategy, to European initiatives and policy frameworks related to the digital and green twin transition.

Lastly, related to Priority Area 3, Moldova has been quite active in Horizon Europe Calls (of all Associated Countries it is ranked 5th of most attracted funds per inhabitant). It is actively pushing for these achievements by organising workshops and awareness campaigns for its public and private stakeholders. The establishment of its National Horizon Europe Office in 2023 has sped up those processes and has increased the connections with EU-wide research excellence and funds.

Nevertheless, many challenges are still to be faced. The ERA Dashboard Indicators show that Moldova limited progress in many areas. It may be expected that the above-mentioned developments change these trends in the near future. However, this might need additional investments. The fact that the total R&D expenditure of Moldova has not increased over the past years makes it hard to realise this shift.

## 6. References

*All referenced documents can be found as web links in the footnotes.*

Horizon Europe Dashboard, accessed 30-12-2024.

European Innovation Scoreboard 2024 Country Profile Moldova, [https://ec.europa.eu/assets/rtd/eis/2024/ec\\_rtd\\_eis-country-profile-md.pdf](https://ec.europa.eu/assets/rtd/eis/2024/ec_rtd_eis-country-profile-md.pdf), accessed 15-01-2025.

Energy Strategy of the Republic Moldova to the year 2030, [https://www.spcr.cz/files/Moldova\\_EnStrategy\\_draft\\_12\\_full\\_310512.pdf](https://www.spcr.cz/files/Moldova_EnStrategy_draft_12_full_310512.pdf), accessed 15-01-2025.

## Annex 1 – List of ERA Dashboard indicators

The indicators used in the report are taken from the ERA Dashboard 2024. The full ERA Dashboard Report and the supporting Data Replication Package can be downloaded at <https://european-research-area.ec.europa.eu/era-monitoring-reports>. However, *GDP (in million €)*, *Size of the population (million)*, and *Share of female researchers, all sectors of performance (%)* were added to provide additional context and directly retrieved from the Eurostat website.

Additionally, EU and country averages are for 2023, except *Share of female researchers, all sectors of performance (%)* (2021).

**Table 1 Structural Key Indicators:**

Indicator number	Indicator	Source
/	GDP in euro per capita, current prices	Eurostat <a href="https://doi.org/10.2908/TEC00001">https://doi.org/10.2908/TEC00001</a>
1	Gross Domestic Expenditure on R&D (GERD) as a share of GDP	Eurostat
2	Government Budget Allocations for R&D (GBARD) as share of GDP	Eurostat
4	Business Enterprise Expenditure on R&D (BERD) as a share of GDP	Eurostat
5.2	Expenditure on R&D procurement as a percentage of GDP	EC/European Innovation Procurement Observatory
/	Size of the population (million)	Eurostat, <a href="https://doi.org/10.2908/TPS00001">https://doi.org/10.2908/TPS00001</a>
3	Researchers (in FTE) per million inhabitants	Eurostat
/	Share of female researchers, all sectors of performance (%)	Eurostat, <a href="https://doi.org/10.2908/TSC00005">https://doi.org/10.2908/TSC00005</a>

**Figure 3.1 Indicators for ERA Priority 1**

Indicator number	Indicator	Source
6	Share of publications available in open access (green, gold, and diamond)	OpenAIRE
7	Number of open-access research datasets by country	OpenAIRE
8	Number of repositories by country	EOSC - Re3data
9	Country investments in EOSC and Open Science (in ranges of investment)	EOSC Observatory
10	Share of national public R&D expenditure committed to European research infrastructures	ESFRI
11	Number of European RIs in which a Member State or an Associated Country participates	ESFRI
12	Proportion of women of Grade A among academic staff/researchers	Women in Science - She Figures
13	(Corrected) Proportion of mixed-gender teams	EC_Scopus
14	(Corrected) Proportion of women in authorships of the top 10% most cited publications	EC_Scopus
15	Women in Digital index (0-100)	EC-Women in Digital Scoreboard

16	Proportion of women among doctoral graduates by narrow fields of STEM	Eurostat
17	Share of foreign doctorate students as a percentage of all doctorate students	Eurostat
18	New doctorate graduates per 1,000 inhabitants aged 25-34	Eurostat
19	Share of public-private co-publications	EC_Scopus
20	(Cumulative number of) Best practice examples and methodologies for knowledge valorisation	Knowledge Valorisation Platform
21	Number of PCT patent applications divided by GDP in million Euros/Dollars	OECD, Eurostat & World Bank
22	Share of innovating firms collaborating with HEI/PRO out of all innovative firms	Eurostat CIS (own calculations)
23	Business enterprise researchers as % of total researchers	OECD
24	Business enterprise researchers in full-time equivalent per thousand employment in industry	OECD
25	Patents by universities and public research organisations	EPO PATSTAT - Fraunhofer ISI calculations
26	% of scientific publications among the top-10% most cited publications worldwide	EC_Scopus
27	Academic Freedom Index (AFi)	V-Dem Varieties of Democracy
28	Average ranking score of top 10 universities by country and year	QS World University Ranking
29	Sum of ERC grants received by country in a given year per 1,000 R&D personnel (in FTEs)	EC-ERC
30	International co-publications with non-EU partners per 1,000 researchers in the public sector	EC_ScienceMetrix and Eurostat/OECD
31	Share of patents with foreign co-inventors	OECD
32	European and international co-patenting in EPO applications at national and EU level	Eurostat
33	Government budget allocations for R&D (GBARD) according to NABS as % total GBARD	Eurostat

**Figure 3.2 Indicators for ERA Priority 2**

Indicator number	Indicator	Source
34	Note: The ERA Dashboard Indicator 34 was removed from the Dashboard in January 2025. As a consequence, the indicator has also been omitted from the Country Report, while, however, keeping the original numbering of the indicators.	
35	Environmentally related government R&D budget, as % of total government R&D	Eurostat
36	National public and private investments as suggested in the SET Plan progress report 2021 (EUR million)	SETIS R&I data
37	% Patents on environmental technology	OECD
38	Share of innovative firms cooperating with higher education institutions or public/private research institutions	Eurostat CIS
39	Enterprises that purchased or licensed-in patents or other IPRs from public research organisations, universities or higher education institutions	Eurostat CIS



40	Direct government support and indirect government support through R&D tax incentives as a % GDP	OECD
41	Green bond issuance as a percentage of total bond issuance	Eurostat - EEA
42	Trust in Science	Eurobarometer 95.2
43	Increase in total R&D expenditure in widening countries, expressed as a percentage of GDP	Eurostat, OECD, UNESCO

**Figure 3.3 Indicators for ERA Priority 3**

Indicator number	Indicator	Source
44	Number of participations in Horizon Europe (of Widening countries) measured in terms of 1,000 R&D personnel (in FTEs)	Cordis - Eurostat
45	Sum of Horizon Europe grants (€) received by Widening countries in terms of 1,000 R&D personnel (in FTEs)	Cordis - Eurostat
46	Summary Innovation Index (Widening countries)	EC_EIS
47	Share of enterprises using public funds from different governance levels (local or regional, national, and EU) for R&I activities	Eurostat CIS
48	Number of Seal of Excellence projects on the InvestEU Portal per 1,000 R&D personnel (in FTEs)	EC - Invest EU
49	Number of collaboration networks of RPOs in Widening countries with other EU countries	Cordis - Horizon Dashboard
50	Average number of partners from non-widening countries per institution from a Widening country participating in the Horizon programme each year	Cordis - Eurostat
51	Share of patents registered by a Widening country together with partners from other EU countries	OECD
52	Share of innovative enterprises that cooperated with RPOs located in other countries	Eurostat CIS
53	Share of public R&D expenditures financed by the private sector	Eurostat

**Figure 3.4 Indicators for ERA Priority 4**

Indicator number	Indicator	Source
54	GBARD allocated to Europe-wide transnational, as well as bilateral or multilateral, public R&D programmes per FTE researcher	Eurostat

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