

Survey on National Contributions to EOSC and Open Science 2023

This survey consists of questions for monitoring policies and practices for EOSC and Open Science at national (and/or regional, where applicable) level in Europe. The survey is divided into four sections: Policies; Practices; General; Feedback. The sections on policies and practices are further divided into eight categories that are relevant for EOSC and Open Science: Publications; Data; Software; Services; Infrastructure; Skills/ Training; Assessment; Engagement. The data collected through the survey will be published in the EOSC Observatory and EOSC Observatory Zenodo Community.

Definitions of key terms can be found in Appendix A

Policies

Publications

1. Does your country have a national policy on open access to publications?

- Yes
- No

1.1. Is this policy mandatory?

- Yes
- No

1.2. Is information on this policy available publicly on the web?

- Yes
- No

1.2.1. Please provide links to the relevant webpages

1.3. Is there a specific policy on immediate open access to publications?

- Yes
- No

1.3.1. Is this policy mandatory?

- Yes
- No

1.3.2. Is information on this policy available publicly on the web?

- Yes
- No

1.3.2.1. Please provide links to the relevant webpages

1.4. Is there a specific policy on retention of IPR on publications?

- Yes
- No

1.4.1. Is this policy mandatory?

- Yes
- No

1.4.2. Is information on this policy available publicly on the web?

- Yes
- No

1.4.2.1. Please provide links to the relevant webpages

1.5. Is there a specific policy on open licensing of publications?

- Yes
- No

1.5.1. Is this policy mandatory?

- Yes
- No

1.5.2. Is information on this policy available publicly on the web?

- Yes
- No

1.5.2.1. Please provide links to the relevant webpages

1.6. Please clarify your response if relevant

2. Does your country have a financial strategy on open access to publications?

- Yes
- No

2.1. Please clarify your response if relevant

3. How many research performing organisations in your country have a policy on open access to publications?

3.1. Please clarify your response if relevant

4. How many research funding organisations in your country have a policy on open access to publications?

e.g. 1611

4.1. Please clarify your response if relevant

Data

5. Does your country have a national policy on data management?

- Yes
- No

5.1. Is this policy mandatory?

- Yes
- No

5.2. Is information on this policy available publicly on the web?

- Yes
- No

5.2.1. Please provide links to the relevant webpages

5.3. Please clarify your response if relevant

6. Does your country have a financial strategy on data management?

- Yes
- No

6.1. Please clarify your response if relevant

7. How many research performing organisations in your country have a policy on data management?

e.g. 1611

7.1. Please clarify your response if relevant

8. How many research funding organisations in your country have a policy on data management?

e.g. 1611

8.1. Please clarify your response if relevant

9. Does your country have a national policy on FAIR data?

- Yes
- No

9.1. Is this policy mandatory?

- Yes
- No

9.2. Is information on this policy available publicly on the web?

- Yes
- No

9.2.1. Please provide links to the relevant webpages

9.3. Please clarify your response if relevant

10. Does your country have a financial strategy on FAIR data?

- Yes
- No

10.1. Please clarify your response if relevant

11. How many research performing organisations in your country have a policy on FAIR data?

e.g. 1611

11.1. Please clarify your response if relevant

12. How many research funding organisations in your country have a policy on FAIR data?

e.g. 1611

12.1. Please clarify your response if relevant

13. Does your country have a national policy on open data?

- Yes
- No

13.1. Is this policy mandatory?

- Yes
- No

13.2. Is information on this policy available publicly on the web?

- Yes
- No

13.2.1. Please provide links to the relevant webpages

13.3. Please clarify your response if relevant

14. Does your country have a financial strategy on open data?

- Yes
- No

14.1. Please clarify your response if relevant

15. How many research performing organisations in your country have a policy on open data?

e.g. 1611

15.1. Please clarify your response if relevant

16. How many research funding organisations in your country have a policy on open data?

e.g. 1611

16.1. Please clarify your response if relevant

Software

17. Does your country have a national policy on open source software?

- Yes
- No

17.1. Is this policy mandatory?

- Yes
- No

17.2. Is information on this policy available publicly on the web?

- Yes
- No

17.2.1. Please provide links to the relevant webpages

17.3. Please clarify your response if relevant

18. Does your country have a financial strategy on open-source software?

- Yes
- No

18.1. Please clarify your response if relevant

19. How many research performing organisations in your country have a policy on open source software?

e.g. 1611

19.1. Please clarify your response if relevant

20. How many research funding organisations in your country have a policy on open source

software?

e.g. 1611

20.1. Please clarify your response if relevant

Services

21. Does your country have a national policy on offering services through EOSC?

- Yes
- No

21.1. Is this policy mandatory?

- Yes
- No

21.2. Is information on this policy available publicly on the web?

- Yes
- No

21.2.1. Please provide links to the relevant webpages

21.3. Please clarify your response if relevant

22. Does your country have a financial strategy on offering services through EOSC?

- Yes
- No

22.1. Please clarify your response if relevant

23. How many research performing organisations in your country have a policy on offering services through EOSC?

e.g. 1611

23.1. Please clarify your response if relevant

24. How many research funding organisations in your country have a policy on offering services through EOSC?

e.g. 1611

24.1. Please clarify your response if relevant

Infrastructure

25. Does your country have a national policy on connecting repositories to EOSC?

- Yes
- No

25.1. Is this policy mandatory?

- Yes
- No

25.2. Is information on this policy available publicly on the web?

- Yes
- No

25.2.1. Please provide links to the relevant webpages

25.3. Please clarify your response if relevant

26. Does your country have a financial strategy on connecting repositories to EOSC?

- Yes
- No

26.1. Please clarify your response if relevant

27. How many research performing organisations in your country have a policy on connecting repositories to EOSC?

e.g. 1611

27.1. Please clarify your response if relevant

28. How many research funding organisations in your country have a policy on connecting repositories to EOSC?

e.g. 1611

28.1. Please clarify your response if relevant

29. Does your country have a national policy on data stewardship?

- Yes
- No

29.1. Is this policy mandatory?

- Yes
- No

29.2. Is information on this policy available publicly on the web?

- Yes
- No

29.2.1. Please provide links to the relevant webpages

29.3. Please clarify your response if relevant

30. Does your country have a financial strategy on data stewardship?

- Yes
- No

30.1. Please clarify your response if relevant

31. How many research performing organisations in your country have a policy on data stewardship?

e.g. 1611

31.1. Please clarify your response if relevant

32. How many research funding organisations in your country have a policy on data stewardship?

e.g. 1611

32.1. Please clarify your response if relevant

33. Does your country have a national policy on long-term data preservation?

- Yes
- No

33.1. Is this policy mandatory?

- Yes
- No

33.2. Is information on this policy available publicly on the web?

- Yes
- No

33.2.1. Please provide links to the relevant webpages

33.3. Please clarify your response if relevant

34. Does your country have a financial strategy on long-term data preservation?

- Yes
- No

34.1. Please clarify your response if relevant

35. How many research performing organisations in your country have a policy on long-term data preservation?

e.g. 1611

35.1. Please clarify your response if relevant

36. How many research funding organisations in your country have a policy on long-term data preservation?

e.g. 1611

36.1. Please clarify your response if relevant

Skills/Training

37. Does your country have a national policy on skills/training for Open Science?

- Yes
- No

37.1. Is this policy mandatory?

- Yes
- No

37.2. Is information on this policy available publicly on the web?

- Yes
- No

37.2.1. Please provide links to the relevant webpages

37.3. Please clarify your response if relevant

38. Does your country have a financial strategy on skills/training for Open Science?

- Yes
- No

38.1. Please clarify your response if relevant

39. How many research performing organisations in your country have a policy on skills/training for Open Science?

e.g. 1611

39.1. Please clarify your response if relevant

40. How many research funding organisations in your country have a policy on skills/training for Open Science?

e.g. 1611

40.1. Please clarify your response if relevant

Assessment

41. Does your country have a national policy on incentives/rewards for Open Science?

- Yes
- No

41.1. Is this policy mandatory?

- Yes
- No

41.2. Is information on this policy available publicly on the web?

- Yes
- No

41.2.1. Please provide links to the relevant webpages

41.3. Please clarify your response if relevant

42. Does your country have a financial strategy on incentives/rewards for Open Science?

- Yes
- No

42.1. Please clarify your response if relevant

43. How many research performing organisations in your country have a policy on incentives/rewards for Open Science?

e.g. 1611

43.1. Please clarify your response if relevant

44. How many research funding organisations in your country have a policy on incentives/ rewards for Open Science?

e.g. 1611

44.1. Please clarify your response if relevant

Engagement

45. Does your country have a national policy on citizen science?

- Yes
- No

45.1. Is this policy mandatory?

- Yes
- No

45.2. Is information on this policy available publicly on the web?

- Yes
- No

45.2.1. Please provide links to the relevant webpages

45.3. Please clarify your response if relevant

46. Does your country have a financial strategy on citizen science?

- Yes
- No

46.1. Please clarify your response if relevant

47. How many research performing organisations in your country have a policy on citizen science?

e.g. 1611

47.1. Please clarify your response if relevant

48. How many research funding organisations in your country have a policy on citizen science?

e.g. 1611

48.1. Please clarify your response if relevant

Practices

Publications

49. Does your country have a national monitoring on open access to publications?

- Yes
- No

49.1. Please clarify your response if relevant

50. Does your country have use cases on open access to publications?

- Yes
- No

50.1. Please provide a short description of the use case

50.2. Is information on this use case available publicly on the web?

- Yes
- No

50.2.1. Please provide links to the relevant webpages

50.3. Please clarify your response if relevant

51. How much did your country financially invest in open access to publications in 2022 in millions of Euros?

e.g. 16.11

51.1. Please clarify your response if relevant

52. How many publications were published in open access in your country in 2022?

[automatically filled]

Data

53. Does your country have a national monitoring on data management?

- Yes
- No

53.1. Please clarify your response if relevant

54. Does your country have use cases on data management?

- Yes
- No

54.1. Please provide a short description of the use case

54.2. Is information on this use case available publicly on the web?

- Yes
- No

54.2.1. Please provide links to the relevant webpages

54.3. Please clarify your response if relevant

55. How much did your country financially invest in data management in 2022 in millions of Euros?

e.g. 16.11

55.1. Please clarify your response if relevant

56. How many data management plans were published in your country in 2022?

56.1. Please clarify your response if relevant

57. Does your country have a national monitoring on FAIR data?

- Yes
- No

57.1. Please clarify your response if relevant

58. Does your country have use cases on FAIR data?

- Yes
- No

58.1. Please provide a short description of the use case

58.2. Is information on this use case available publicly on the web?

- Yes
- No

58.2.1. Please provide links to the relevant webpages

58.3. Please clarify your response if relevant

59. How much did your country financially invest in FAIR data in 2022 in millions of Euros?

59.1. Please clarify your response if relevant

60. How many FAIR data sets were published in your country in 2022?

60.1.1. Please provide the correct number of FAIR data sets

60.1. Please clarify your response if relevant

61. Does your country have a national monitoring on open data?

- Yes
- No

61.1. Please clarify your response if relevant

62. Does your country have use cases on open data?

- Yes
- No

62.1. Please provide a short description of the use case

62.2. Is information on this use case available publicly on the web?

- Yes
- No

62.2.1. Please provide links to the relevant webpages

62.3. Please clarify your response if relevant

63. How much did your country financially invest in open data in 2022 in millions of Euros?

e.g. 16.11

63.1. Please clarify your response if relevant

64. How many open data sets were published in your country in 2022?

[automatically filled]

Software

65. Does your country have a national monitoring on open source software?

- Yes
- No

65.1. Please clarify your response if relevant

66. Does your country have use cases on open source software?

- Yes
- No

66.1. Please provide a short description of the use case

66.2. Is information on this use case available publicly on the web?

- Yes
- No

66.2.1. Please provide links to the relevant webpages

66.3. Please clarify your response if relevant

67. How much did your country financially invest in open source software in 2022 in millions of Euros?

e.g. 16.11

67.1. Please clarify your response if relevant

68. How many open source software sets were published in your country in 2022?

[automatically filled]

Services

69. Does your country have a national monitoring on offering services through EOSC?

- Yes
- No

69.1. Please clarify your response if relevant

70. Does your country have use cases on offering services through EOSC?

- Yes
- No

70.1. Please provide a short description of the use case

70.2. Is information on this use case available publicly on the web?

- Yes
- No

70.2.1. Please provide links to the relevant webpages

70.3. Please clarify your response if relevant

71. How much did your country financially invest in offering services through EOSC in 2022 in millions of Euros?

e.g. 16.11

71.1. Please clarify your response if relevant

72. How many services were offered through EOSC in your country in 2022?

[automatically filled]

Infrastructure

73. Does your country have a national monitoring on connecting repositories to EOSC?

- Yes
- No

73.1. Please clarify your response if relevant

74. Does your country have use cases on connecting repositories to EOSC?

- Yes
- No

74.1. Please provide a short description of the use case

74.2. Is information on this use case available publicly on the web?

- Yes
- No

74.2.1. Please provide links to the relevant webpages

74.3. Please clarify your response if relevant

75. How much did your country financially invest in connecting repositories to EOSC in 2022 in millions of Euros?

e.g. 16.11

75.1. Please clarify your response if relevant

76. How many repositories were connected to EOSC in your country in 2022?

[automatically filled]

77. Does your country have a national monitoring on data stewardship?

- Yes
- No

77.1. Please clarify your response if relevant

78. Does your country have use cases on data stewardship?

- Yes
- No

78.1. Please provide a short description of the use case

78.2. Is information on this use case available publicly on the web?

- Yes
- No

78.2.1. Please provide links to the relevant webpages

78.3. Please clarify your response if relevant

79. How much did your country financially invest in data stewardship in 2022 in millions of Euros?

e.g. 16.11

79.1. Please clarify your response if relevant

80. How many data stewards were employed in your country in 2022 in full-time equivalents?

e.g. 1611

80.1. Please clarify your response if relevant

81. Does your country have a national monitoring on long-term data preservation?

- Yes
- No

81.1. Please clarify your response if relevant

82. Does your country have use cases on long-term data preservation?

- Yes
- No

82.1. Please provide a short description of the use case

82.2. Is information on this use case available publicly on the web?

- Yes
- No

82.2.1. Please provide links to the relevant webpages

82.3. Please clarify your response if relevant

83. How much did your country financially invest in long-term data preservation in 2022 in millions of Euros?

e.g. 16.11

83.1. Please clarify your response if relevant

84. How many repositories offered long-term data preservation in your country in 2022?

84.1.1. Please provide the correct number of repositories offering long-term data preservation

e.g. 1611

84.1. Please clarify your response if relevant

Skills/Training

85. Does your country have a national monitoring on skills/training for Open Science?

- Yes
- No

85.1. Please clarify your response if relevant

86. Does your country have use cases on skills/training for Open Science?

- Yes
- No

86.1. Please provide a short description of the use case

86.2. Is information on this use case available publicly on the web?

- Yes
- No

86.2.1. Please provide links to the relevant webpages

86.3. Please clarify your response if relevant

87. How much did your country financially invest in skills/training for Open Science in 2022 in millions of Euros?

e.g. 16.11

87.1. Please clarify your response if relevant

88. How many educational curricula with an Open Science dimension were offered in your country in 2022?

e.g. 1611

88.1. Please clarify your response if relevant

Assessment

89. Does your country have a national monitoring on incentives/rewards for Open Science?

- Yes
- No

89.1. Please clarify your response if relevant

90. Does your country have use cases on incentives/rewards for Open Science?

- Yes
- No

90.1. Please provide a short description of the use case

90.2. Is information on this use case available publicly on the web?

- Yes
- No

90.2.1. Please provide links to the relevant webpages

90.3. Please clarify your response if relevant

91. How much did your country financially invest in incentives/rewards for Open Science in 2022 in millions of Euros?

91.1. Please clarify your response if relevant

92. How many signatories of the Agreement on Reforming Research Assessment are from your country?

Engagement

93. Does your country have a national monitoring on citizen science?

- Yes
- No

93.1. Please clarify your response if relevant

94. Does your country have use cases on citizen science?

- Yes
- No

94.1. Please provide a short description of the use case

94.2. Is information on this use case available publicly on the web?

- Yes
- No

94.2.1. Please provide links to the relevant webpages

94.3. Please clarify your response if relevant

95. How much did your country financially invest in citizen science in 2022 in millions of Euros?

e.g. 16.11

95.1. Please clarify your response if relevant

96. How many projects with a citizen science dimension were started in your country in 2022?

e.g. 1611

96.1. Please clarify your response if relevant

General

97. How many research performing organisations are there in your country?

e.g. 1611

97.1. For how many of these research performing organisations there is information provided in this survey?

e.g. 1611

97.2. Please clarify your response if relevant

98. How many research funding organisations are there in your country?

e.g. 1611

98.1. For how many of these research funding organisations there is information provided in this survey?

e.g. 1611

98.2. Please clarify your response if relevant

99. How much did your country financially invest in total in EOSC and Open Science in 2022 in millions of Euros?

e.g. 16.11

99.1. Please clarify your response if relevant

Feedback

100. Do you have any suggestions on how to improve this survey for future iterations?

Appendix A

1 Policy: Any policies, recommendations, regulations, and laws that are relevant for EOSC and Open Science and that are applicable at national, regional or institutional levels. A policy at national and regional level is applicable to all research performing and funding organisations
Open access: Ensuring that publications are available to read without a fee for the reader (e.g. through green open access as provided by a repository or through gold open access as provided by a publisher)

Publication: Research publications (including articles and books) that are peer-reviewed and have a digital object identifier

Instructions - Please reply 'Yes' if there is a national self-standing policy or law in this area or if such policy is included in an overarching national policy or strategy (e.g. a national policy or strategy on Open Science). Examples of what should NOT be included: policies of specific institutions or groups of institutions (ie not adopted by the national public authority)

1.1 Mandatory policy: A policy that sets not only recommendations but obligations to the persons or entities it is addressed to.

1.3 Policy: Any policies, recommendations, regulations, and laws that are relevant for EOSC and Open Science.

Immediate open access: Publications that are made openly available immediately upon publication without any embargo period.

Instructions - Please reply 'Yes' if there is a national self-standing policy or law in this area or if such policy is included in an overarching policy or strategy (e.g. a national policy or strategy on Open Science). Examples of what should NOT be included: policies of specific institutions or groups of institutions (ie not adopted by the national public authority).

1.3.1 Mandatory policy: A policy that sets not only recommendations but obligations to the persons or entities it is addressed to.

1.4 Policy: Any policies, recommendations, regulations, and laws that are relevant for EOSC and Open Science. Retention of IPR

Instructions - Please reply 'Yes' if there is a national self-standing policy or law in this area or if such policy is included in an overarching policy or strategy (e.g. a national policy or strategy on Open Science). Examples of what should NOT be included: policies of specific institutions or groups of institutions (ie not adopted by the national public authority).

1.4.1 Mandatory policy: A policy that sets not only recommendations but obligations to the persons or entities it is addressed to.

1.5 Policy: Any policies, recommendations, regulations, and laws that are relevant for EOSC and Open Science. Open licensing

Instructions - Please reply 'Yes' if there is a national self-standing policy or law in this area or if such policy is included in an overarching policy or strategy (e.g. a national policy or strategy on Open Science). Examples of what should NOT be included: policies of specific institutions or groups of institutions (ie not adopted by the national public authority).

1.5.1 Mandatory policy: A policy that sets not only recommendations but obligations to the persons or entities it is addressed to.

2 Instructions - Please reply 'Yes' if there is a national self-standing financial strategy in this area or if such strategy is included in an overarching strategy (e.g. a national financial strategy on Open Science). Examples of what should NOT be included: strategies of specific institutions or groups of institutions (ie not adopted by the national public authority)

3 Policy: Any policies, recommendations, regulations, and laws that are relevant for EOSC and

Open Science.

Instructions - Please count only public and private non-profit research performing organisations. Examples of what may be included: universities and research institutes. Examples of what should NOT be included: distinct research projects; distinct research groups or labs within a university or research institute; private companies.

4 Policy: Any policies, recommendations, regulations, and laws that are relevant for EOSC and Open Science.

Instructions - Please count only public and private non-profit organisations whose main/significant responsibility is to manage public research funding (i.e. which has a responsibility and authority to launch calls for proposals and grant money for scientific research). Examples of organisations that may be included: national funding agencies; major regional funding agencies. Examples of what should NOT be included: universities; research institutes whose main function is to perform research (even if they may also fund research).

5 Policy: Any policies, recommendations, regulations, and laws that are relevant for EOSC and Open Science.

Instructions - Please reply 'Yes' if there is a national self-standing policy or law in this area or if such policy is included in an overarching policy or strategy (e.g. a national policy or strategy on Open Science). Examples of what should NOT be included: policies of specific institutions or groups of institutions (ie not adopted by the national public authority).

5.1 Mandatory policy: A policy that sets not only recommendations but obligations to the persons or entities it is addressed to.

6 Instructions - Please reply 'Yes' if there is a national self-standing financial strategy in this area or if such strategy is included in an overarching strategy (e.g. a national financial strategy on Open Science). Examples of what should NOT be included: strategies of specific institutions or groups of institutions (ie not adopted by the national public authority)

7 Policy: Any policies, recommendations, regulations, and laws that are relevant for EOSC and Open Science.

Instructions - Please count only public and private non-profit research performing organisations. Examples of what may be included: universities and research institutes. Examples of what should NOT be included: distinct research projects; distinct research groups or labs within a university or research institute; private companies.

8 Policy: Any policies, recommendations, regulations, and laws that are relevant for EOSC and Open Science.

Instructions - Please count only public and private non-profit organisations whose main/significant responsibility is to manage public research funding (i.e. which has a responsibility and authority to launch calls for proposals and grant money for scientific research). Examples of organisations that may be included: national funding agencies; major regional funding agencies. Examples of what should NOT be included: universities; research institutes whose main function is to perform research (even if they may also fund research)

9 Policy: Any policies, recommendations, regulations, and laws that are relevant for EOSC and Open Science. FAIR data

Instructions - Please reply 'Yes' if there is a national self-standing policy or law in this area or if such policy is included in an overarching policy or strategy (e.g. a national policy or strategy on Open Science). Examples of what should NOT be included: policies of specific institutions or groups of institutions (ie not adopted by the national public authority).

9.1 Mandatory policy: A policy that sets not only recommendations but obligations to the persons or entities it is addressed to.

10 FAIR data: Research data that follow the FAIR principles

Instructions - Please reply 'Yes' if there is a national self-standing financial strategy in this area or

if such strategy is included in an overarching strategy (e.g. a national financial strategy on Open Science) Examples of what should NOT be included: strategies of specific institutions or groups of institutions (ie not adopted by the national public authority)

11 Policy: Any policies, recommendations, regulations, and laws that are relevant for EOSC and Open Science. FAIR data

Instructions - Please count only public and private non-profit research performing organisations Examples of what may be included: universities and research institutes Examples of what should NOT be included: distinct research projects; distinct research groups or labs within a university or research institute; private companies.

12 Policy: Any policies, recommendations, regulations, and laws that are relevant for EOSC and Open Science. FAIR data

Instructions - Please count only public and private non-profit organisations whose main/ significant responsibility is to manage public research funding (i.e. which has a responsibility and authority to launch calls for proposals and grant money for scientific research). Examples of organisations that may be included: national funding agencies; major regional funding agencies Examples of what should NOT be included: universities; research institutes whose main function is to perform research (even if they may also fund research).

13 Policy: Any policies, recommendations, regulations, and laws that are relevant for EOSC and Open Science. Open data

Instructions - Please reply 'Yes' if there is a national self-standing policy or law in this area or if such policy is included in an overarching policy or strategy (e.g. a national policy or strategy on Open Science). Examples of what should NOT be included: policies of specific institutions or groups of institutions (ie not adopted by the national public authority).

13.1 Mandatory policy: A policy that sets not only recommendations but obligations to the persons or entities it is addressed to.

14 Open data: Research data that are openly accessible, editable re-useable and shared by anyone for any purpose. Open data are licensed under an open license, such as a CC0 or a CC BY 4.0.

Instructions - Please reply 'Yes' if there is a national self-standing financial strategy in this area or if such strategy is included in an overarching strategy (e.g. a national financial strategy on Open Science) Examples of what should NOT be included: strategies of specific institutions or groups of institutions (ie not adopted by the national public authority)

15 Policy: Any policies, recommendations, regulations, and laws that are relevant for EOSC and Open Science. Open data

Instructions - Please count only public and private non-profit research performing organisations Examples of what may be included: universities and research institutes Examples of what should NOT be included: distinct research projects; distinct research groups or labs within a university or research institute; private companies.

16 Policy: Any policies, recommendations, regulations, and laws that are relevant for EOSC and Open Science. Open data

Instructions - Please count only public and private non-profit organisations whose main/ significant responsibility is to manage public research funding (i.e. which has a responsibility and authority to launch calls for proposals and grant money for scientific research). Examples of organisations that may be included: national funding agencies; major regional funding agencies Examples of what should NOT be included: universities; research institutes whose main function is to perform research (even if they may also fund research).

17 Policy: Any policies, recommendations, regulations, and laws that are relevant for EOSC and Open Science. Open source software

Instructions - Please reply 'Yes' if there is a national self-standing policy or law in this area or if

such policy is included in an overarching policy or strategy (e.g. a national policy or strategy on Open Science). Examples of what should NOT be included: policies of specific institutions or groups of institutions (ie not adopted by the national public authority).

17.1 Mandatory policy: A policy that sets not only recommendations but obligations to the persons or entities it is addressed to.

18 Open source software: Research software that are openly accessible, editable and reusable by anyone and for any purpose. Open source software are licensed under an open licence such as a GNU General Public Licence or an MIT Licence.

Instructions - Please reply 'Yes' if there is a national self-standing financial strategy in this area or if such strategy is included in an overarching strategy (e.g. a national financial strategy on Open Science) Examples of what should NOT be included: strategies of specific institutions or groups of institutions (ie not adopted by the national public authority).

19 Policy: Any policies, recommendations, regulations, and laws that are relevant for EOSC and Open Science. Open source software

Instructions - Please count only public and private non-profit research performing organisations Examples of what may be included: universities and research institutes Examples of what should NOT be included: distinct research projects; distinct research groups or labs within a university or research institute; private companies.

20 Policy: Any policies, recommendations, regulations, and laws that are relevant for EOSC and Open Science. Open source software

Instructions - Please count only public and private non-profit organisations whose main/ significant responsibility is to manage public research funding (i.e. which has a responsibility and authority to launch calls for proposals and grant money for scientific research). Examples of organisations that may be included: national funding agencies; major regional funding agencies Examples of what should NOT be included: universities; research institutes whose main function is to perform research (even if they may also fund research).

21 Policy: Any policies, recommendations, regulations, and laws that are relevant for EOSC and Open Science. Offering services through EOSC

Instructions - Please reply 'Yes' if there is a national self-standing policy or law in this area or if such policy is included in an overarching policy or strategy (e.g. a national policy or strategy on Open Science). Examples of what should NOT be included: policies of specific institutions or groups of institutions (ie not adopted by the national public authority).

21.1 Mandatory policy: A policy that sets not only recommendations but obligations to the persons or entities it is addressed to.

22 Offering services through EOSC: Ensuring that research services are made available in the EOSC-Exchange (i.e the set of federation services and other resources registered in EOSC by e-infrastructures, research infrastructures, and science clusters) to serve the needs of research communities.

Instructions - Please reply 'Yes' if there is a national self-standing financial strategy in this area or if such strategy is included in an overarching strategy (e.g. a national financial strategy on Open Science) Examples of what should NOT be included: strategies of specific institutions or groups of institutions (ie not adopted by the national public authority)

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24 Policy: Any policies, recommendations, regulations, and laws that are relevant for EOSC and

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25 Policy: Any policies, recommendations, regulations, and laws that are relevant for EOSC and Open Science.Connecting repositories to EOSC

Instructions - Instructions: Please reply 'Yes' if there is a national self-standing policy or law in this area or if such policy is included in an overarching policy or strategy (e.g. a national policy or strategy on Open Science).Examples of what should NOT be included: policies of specific institutions or groups of institutions (ie not adopted by the national public authority).

25.1 Mandatory policy: A policy that sets not only recommendations but obligations to the persons or entities it is addressed to.

26 Connecting repositories to EOSC: Ensuring that repositories make their research outputs (including publications, data sets, and software code) discoverable through EOSC.

Instructions - Please reply 'Yes' if there is a national self-standing financial strategy in this area or if such strategy is included in an overarching strategy (e.g. a national financial strategy on Open Science)Examples of what should NOT be included: strategies of specific institutions or groups of institutions (ie not adopted by the national public authority)

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29 Policy: Any policies, recommendations, regulations, and laws that are relevant for EOSC and Open Science.Data steward

Instructions - Please reply 'Yes' if there is a national self-standing policy or law in this area or if such policy is included in an overarching policy or strategy (e.g. a national policy or strategy on Open Science).Examples of what should NOT be included: policies of specific institutions or groups of institutions (ie not adopted by the national public authority).

29.1 Mandatory policy: A policy that sets not only recommendations but obligations to the persons or entities it is addressed to.

30 Data steward: Professional data stewards supporting researchers in research data management at a research performing organisation located in the country.

Instructions - Please reply 'Yes' if there is a national self-standing financial strategy in this area or if such strategy is included in an overarching strategy (e.g. a national financial strategy on Open Science)Examples of what should NOT be included: strategies of specific institutions or groups of institutions (ie not adopted by the national public authority).

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Instructions - Please count only public and private non-profit research performing organisations. Examples of what may be included: universities and research institutes. Examples of what should NOT be included: distinct research projects; distinct research groups or labs within a university or research institute; private companies.

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33 Policy: Any policies, recommendations, regulations, and laws that are relevant for EOSC and Open Science. Long-term data preservation

Instructions - Please reply 'Yes' if there is a national self-standing policy or law in this area or if such policy is included in an overarching policy or strategy (e.g. a national policy or strategy on Open Science). Examples of what should NOT be included: policies of specific institutions or groups of institutions (ie not adopted by the national public authority).

34 Long-term data preservation: Ensuring that digital or physical access is provided (taking legitimate interests and constraints into account) to data or other results needed for the validation of the conclusions of peer-reviewed research publications for a substantial period of time (with a minimum of at least 5 years and preferably 10 years) or longer according to disciplinary deposition practices.

Instructions - Please reply 'Yes' if there is a national self-standing financial strategy in this area or if such strategy is included in an overarching strategy (e.g. a national financial strategy on Open Science). Examples of what should NOT be included: strategies of specific institutions or groups of institutions (ie not adopted by the national public authority)

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51 Instructions - Examples of what may be included: measures dedicated to foster Open Access; payments for Open Access Publishing (transformative agreements, APCs etc)

57 FAIR data: Research data that follow the FAIR principles

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61 Open data: Research data that are openly accessible, editable re-useable and shared by anyone for any purpose. Open data are licensed under an open license, such as a CC0 or a CC BY 4.0.

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69 Offering services through EOSC: Ensuring that research services are made available in the EOSC-Exchange (i.e the set of federation services and other resources registered in EOSC by e-infrastructures, research infrastructures, and science clusters) to serve the needs of research communities.

73 Connecting repositories to EOSC: Ensuring that repositories make their research outputs (including publications, data sets, and software code) discoverable through EOSC.

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88 Educational curricula with an Open Science dimension: Educational curricula that focus on or include (different) aspects of Open Science and that are recognised by the national educational system and are offered at a higher-education institution in the country.

96 Projects with a citizen science dimension: Research projects that focus on citizen science or include a citizen science dimension in the methodological approach and that are funded by a research funding organisation located in the country.

97 Research performing organisation: An (academic) institution that receives public funding for performing scientific research

Instructions - Please count only public and private non-profit research performing organisations
Examples of what may be included: universities and research institutes
Examples of what should NOT be included: distinct research projects; distinct research groups or labs within a university or research institute; private companies

97.1 Instructions - Please provide the number of RPOs in your country for which information has

been collected in this survey (under any of the relevant questions, ie questions 3, 7, 11, 15, 19, 23, 27, 31, 35, 39, 43, 47).Q&AQ: A few RPOs have not replied to any of the questions, should I include them in this number?A: NoQ: A few RPOs have replied to only some of the questions, should I include them in this number?A: YesQ: A few RPOs have replied negatively to some of the questions (ie that they don't have a policy in area X), should I include them in this number?A: Yes, we include all RPOs for which we have info (either positive or negative) in any of the questions. We do NOT include RPOs for which we have no info, ie we do not know whether they have or don't have a policy in any of the areas mentioned in the questions.

98 Research funding organisation: An (academic) institution with significant responsibility for managing public research funding (i.e. which has a responsibility and authority to launch calls for proposals and grant money for scientific research)

Instructions - Please count only public and private non-profit organisations whose main/significant responsibility is to manage public research funding (i.e. which has a responsibility and authority to launch calls for proposals and grant money for scientific research).Examples of organisations that may be included: national funding agencies; major regional funding agenciesExamples of what should NOT be included: universities; research institutes whose main function is to perform research (even if they may also fund research)

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Appendix B

Visit the [EOSC Observatory](#) to explore the data from the EOSC Steering Board surveys on National Contributions to EOSC and visit the [EOSC Observatory Zenodo Community](#) to access all key outputs related to the surveys and EOSC Observatory.