

4. The EOSC Monitoring Framework Glossary

Authentication and Authorisation Infrastructure (AAI)	Digital infrastructure that allows users to be identified and subsequently allowed to access data and/or services. <i>See the SRIA: https://www.eosc.eu/sites/default/files/SRIA_2022_01.pdf</i>
As open as possible	Slogan of Open Science recognising that the drive is for all research outputs to be open as far as possible and as soon as possible. <i>See the SRIA: https://www.eosc.eu/sites/default/files/SRIA_2022_01.pdf</i>
Baseline	A fixed point of reference that is used for comparison purposes. It is seen as the value of a performance indicator before the implementation of activities, against which progress can be assessed or comparisons made.
Data provider	The organisation or entity responsible for the collection and aggregation of data from their initial source. The data provider is accountable to provide the reporting organization with the required information.
Data source	A specific data set, metadata set, database or metadata repository from where data or metadata are available. <i>See the OECD Glossary of Statistical Terms: https://stats.oecd.org/glossary/detail.asp?ID=7045</i>
Data collection methodology	Data collection is a process of collecting information from all the relevant sources. Data collection methods can be divided into two categories: secondary methods of data collection (e.g. reports, studies, online portals, or databases) and primary methods of data collection (e.g., survey). <i>See the Research Methodology Net: https://research-methodology.net/research-methods/data-collection/</i>
Data	An encompassing term used in the EOSC context for all digital outputs of research including datasets, metadata, publications and software code. <i>See the SRIA: https://www.eosc.eu/sites/default/files/SRIA_2022_01.pdf</i>
Data Management Plan	A plan which describes the data management life cycle for the data to be collected, processed and/or generated by a European-funded project. <i>See the EC website: https://ec.europa.eu/research/participants/docs/h2020-funding-guide/cross-cutting-issues/open-access-data-management/data-management_en.htm</i>
Data Stewardship	Support offered at all levels to researchers and institutions by expert data stewards with respect to the management of data. <i>See the SRIA: https://www.eosc.eu/sites/default/files/SRIA_2022_01.pdf</i>
European Open Science Cloud (EOSC)	The generic term for the envisioned federation of research (data) infrastructures that will enable the Web of FAIR Data and Services and help researchers to perform Open Science and open up and exploit their data, publications, and code. <i>See the SRIA: https://www.eosc.eu/sites/default/files/SRIA_2022_01.pdf</i>
European Open Science Cloud Association (EOSC-A)	International Non-Profit Association (AISBL) founded in Brussels on 29 July 2020 to represent those (eligible) stakeholders wishing to formalise their role in EOSC. In July 2022 the Association signed a Memorandum of Understanding (MoU) with the European Commission and thus form a Co-programmed European Partnership on EOSC. <i>See the SRIA: https://www.eosc.eu/sites/default/files/SRIA_2022_01.pdf</i>
EOSC Partnership	The Co-programmed European Partnership between the EOSC Association and the European Commission that consolidates the outputs of EOSC projects from Horizon

	<p>2020 and further develop EOSC through structured funding in Horizon Europe and in-kind contributions from the member organizations.</p> <p>See the SRIA: https://www.eosc.eu/sites/default/files/SRIA_2022_01.pdf</p>
EOSC Platform	<p>The EOSC Platform refers to the range of services and resources accessible through the EOSC Portal (https://eosc-portal.eu/services-resources), currently operated by EOSC Future. Future developments of the EOSC Platform will take place in the context of the procurement “Delivering the EOSC Core Infrastructure and Services”.</p>
EOSC Task Forces	<p>Thirteen Task Forces consisting of groups of experts from the EOSC ecosystem focusing on implementation of EOSC, metadata and data quality, research careers and curricula, technical challenges and sustain EOSC, which have delivered reports and recommendations for EOSC.</p> <p>See the EOSC-A website: https://www.eosc.eu/advisory-groups</p>
European data spaces	<p>Ten data commons that will incentivise the sharing of data and facilitate the use of data across the areas of manufacturing, mobility, health, finance, energy, agriculture, public administration, skills, and the Green Deal.</p> <p>See the SRIA: https://www.eosc.eu/sites/default/files/SRIA_2022_01.pdf</p>
EOSC-Core	<p>The basic architecture, standards and services that form the technical backbone of EOSC and are necessary to operate a Web of FAIR Data and Services.</p> <p>See the SRIA: https://www.eosc.eu/sites/default/files/SRIA_2022_01.pdf</p>
EOSC-Exchange	<p>The value-added services that will build upon the EOSC-Core and offer its users additional functionality to perform Open Science and share and exploit FAIR (and open) data.</p> <p>See the SRIA: https://www.eosc.eu/sites/default/files/SRIA_2022_01.pdf</p>
EOSC Interoperability Framework	<p>A set of principles (technical, semantic, organisational, and legal principles) and a model for the organisation of FAIR digital objects into EOSC.</p> <p>See the EC website: https://op.europa.eu/en/publication-detail/-/publication/d787ea54-6a87-11eb-aeb5-01aa75ed71a1</p>
ESFRI Cluster projects	<p>Five ESFRI cluster projects launched in 2019, providing a gathering point for various ESFRI projects and landmarks to connect to the EOSC: ENVRI-FAIR, PaNOSC, ESCAPE, SSHOC, EOSC-Life. ESFRI Cluster projects also refer to new cluster projects for RI under Horizon Europe INFRAEOSC.</p> <p>See the EOSC Glossary: https://eosc-portal.eu/news/five-new-esfri-cluster-projects-eosc-panorama</p>
EOSC Ecosystem	<p>The encompassing set of federated (e-)infrastructures, research infrastructures, stakeholder organisations and projects that contribute to and/or use EOSC.</p> <p>See the SRIA: https://www.eosc.eu/sites/default/files/SRIA_2022_01.pdf</p>
FAIR (principles)	<p>The set of guidelines for making research (meta)data findable, accessible, interoperable, and reusable that ultimately ensures standardized machine actionability.</p> <p>See: FAIR Principles - GO FAIR (go-fair.org)</p>
FAIR metrics	<p>A quantitative approach for evaluating the extent to which data have been made FAIR.</p> <p>See the SRIA: https://www.eosc.eu/sites/default/files/SRIA_2022_01.pdf</p>
FAIR data	<p>Data that conform to the FAIR principles.</p> <p>See the SRIA:</p>

	https://www.eosc.eu/sites/default/files/SRIA_2022_01.pdf
Key Performance Indicators (KPIs)	Indicators of performance towards the achievement of a pre-defined objective. Measured with a certain frequency, e.g., once a year, they can provide an indication of the progress of a certain activity towards reaching a set out target performance, from the initial status, which is called the baseline.
Metadata	Information that is provided with data to explain the nature of the data and how the data could and should be exploited. <i>See the SRIA:</i> https://www.eosc.eu/sites/default/files/SRIA_2022_01.pdf
Minimum Viable EOSC (MVE)	The EOSC-Core plus selected services from the EOSC-Exchange that provide researchers with the minimum level of functionality required to share and exploit FAIR (and open) data. <i>See the SRIA:</i> https://www.eosc.eu/sites/default/files/SRIA_2022_01.pdf
Monitoring	The systematic process of collecting, analyzing, and using information to track a programme's progress toward reaching its objectives.
Open Access (OA)	Possibility to access and re-use digital research outputs with as few restrictions as possible. <i>See the EOSC Glossary:</i> https://eosc-portal.eu/glossary
Open Science (OS)	Approach to the scientific process based on cooperative work and ways of disseminating knowledge, improving accessibility to and reusability of research outputs by using digital technologies and collaborative tools. <i>See the EOSC Glossary:</i> https://eosc-portal.eu/glossary
Open data	Data in an open format that can be freely used, reused, and shared by anyone for any purpose. <i>See the SRIA:</i> https://www.eosc.eu/sites/default/files/SRIA_2022_01.pdf
Personal Identifier (PID)	A digital description that uniquely and persistently identifies an individual so that the correct digital object of research output can be linked to the correct researcher responsible for its creation. <i>See the SRIA:</i> https://www.eosc.eu/sites/default/files/SRIA_2022_01.pdf
Rules of Participation	The terms, policies, processes, and procedures required to provide assurance of sustainability, transparency, quality and trust in the practices and services offered through voluntary participation in EOSC. <i>See the SRIA:</i> https://www.eosc.eu/sites/default/files/SRIA_2022_01.pdf
Repository	Service delivering organized and persistent data storage that allows data retrieval. <i>See the EOSC Glossary:</i> https://eosc-portal.eu/glossary
Reporting	The systematic and timely provision of essential information at periodic intervals.
Research disciplines (= research communities)	The term refers to the Revised Field of Science and Technology (FOS) classification in the Frascati Manual, consisting of the following high-level groupings: <ul style="list-style-type: none"> • Natural sciences • Engineering and technology • Medical and Health sciences • Agricultural sciences • Social sciences <i>See:</i> https://unstats.un.org/unsd/EconStatKB/KnowledgebaseArticle10269.aspx EUROSciVoc: https://op.europa.eu/s/vVxp
Research Infrastructure	An international, national, or institutional infrastructure that enables research communities to perform research. <i>See the SRIA:</i> https://www.eosc.eu/sites/default/files/SRIA_2022_01.pdf

Research data	Data collected or produced during scientific research activities and used as evidence in the research process, or commonly accepted in the research community as necessary to validate research findings and results. <i>See the EOSC Glossary: https://eosc-portal.eu/glossary</i>
Research artefacts	Any product of the research lifecycle such as methodologies, data, software, publications, reviews and learning materials. <i>See the SRIA: https://www.eosc.eu/sites/default/files/SRIA_2022_01.pdf</i>
Target	A specific, planned level of result to be achieved within an explicit timeframe.