

Additional Activities Plan reporting template  
European Partnership for the European Open Science Cloud (EOSC)

The aim of this Additional Activities Plan is for the Partnership Board to annually list the Additional Activities they want to steer R&I investments towards to achieve partnership's objectives. The Additional Activities listed here would be the one available in the next annual reporting template for Additional Activities.

In order for the costs to be accounted for as in-kind contributions, the underlying additional activities shall be carried out in the European Union or countries associated to Horizon Europe.



Year:	2023
Total annual envisaged in-kind contributions in Additional Activities by the Partners other than the Union:	321.844.687 €

Category (please select)	Envisaged Additional Activities type (to be selected from 'Additional Activities list' tab)	Description of the Additional Activities (Please provide more information on the envisaged Additional Activities)	Link to partnerships objectives / KPIs (to be selected from SRU/M&L)	Estimated number of FTEs per Additional Activity type	Estimated financial contribution (value of FTEs included) per Additional Activity type	Estimated number of FTEs Per category	Estimated annual value Per category (see Note 2)
	1.1 Upgrade of existing research infrastructures and e-infrastructure so that they may be federated through EOSC - see note 3	1. Upgrade of the existing institutional and national repositories (e.g., integration of ORCID, assigning DOIs), upgrade of the data catalogues 2. Upgrade of the existing institutional, local, and national data/ research infrastructures (e.g., databases, publishing platforms, e-archives) that may be Federated through EOSC 3. Implementation of interfaces to integrate computer and data management solutions to ease access and reuse data 4. Scale up the e-infrastructure capabilities of data centres and improving their connectivity with the EOSC and other European infrastructures 5. Upgrade of data storage infrastructures and/or research data management services (e.g., upgrade of DOI management application) 6. Enhancement of DMP online tools 7. Upgrade of the Digital Object Gateway 8. Upgrade of the SSH Open Marketplace 9. Integration of FAIR-Data services into existing infrastructures, archives, repositories 10. Integration of a new data processing centre in the EOSC portal, offering Cloud resources to EU researchers and upgrade of existing scientific cloud providers in the EOSC portal 11. Provision of a Belnet Service desk for Open Science related tools (OS related tools: DMPOnline, Belnet FTP, Filesender, Orfeo, AAI, LTP) and a Belnet Portal for Open Science related tools (OS related tools: DMPOnline, Belnet FTP, Filesender, Orfeo, AAI, LTP) 12. Provision of funds for the upgrade of national centre of expertise in the social sciences and national data & service center for the humanities which can be federated to EOSC	AA3 - FAIR metrics & certification AA4 - AAI AA5 - User Environments AA6 - Resource Provider Environments AA14 - Widening to public & private sectors & going global	185,2	91.079.341,00 €		
1. Support to additional R&I	1.2 Development and deployment of EOSC-compatible search engines to allow the researchers to explore rich metadata and semantic descriptions in EOSC-connected registers	1. Development of terminology services for exploring, publishing, and developing shared ontologies, vocabularies, and terminologies 2. Implementation of data catalogues together with an automatic metadata enrichment 3. Development of research output discovery (e.g. Lingo Links, Research Data Repository front-end, metadata distribution to FRIS portal, OpenAQ, Google Scholar and Google Dataset Search) 4. Deployment of EOSC-compatible metadata repositories and semantic interoperability tools 5. Integration of existing data repositories with organisational services for metadata indexing 6. Development of online platform to reduce the barriers for accessing scientific publications by citizens 7. Establishment of the EOSC-compatible search portal that constitutes a single-entry point for searching, discovery and recall of thousands of scientific and scholarly publications, distributed by several repositories 8. Integration of metadata search engine and platform for FAIR epidemiological computational modelling and simulation 9. Preparation of platforms for academic libraries, including search engine for both documents and data from one access point	S01 S04 S06 S07 S08 O02 O05 O010 O011 O013 AA1 - Identifiers AA2 - Metadata and ontologies AA3 - FAIR metrics & certification AA4 - AAI AA5 - User Environments AA6 - Resource Provider Environments AA14 - Widening to public & private sectors	58,8	7.480.910,00 €	434,1	119.063.889,60 €
	1.3 Deploying EOSC-Core components for FAIR (e.g. the deployment of online tools for data Fabrication or to help creating FAIR Data Management Plans)	1. Development and pilot of public data repository services for institutions not having capacity to deploy their own repository 2. Provision of standard services for Data Management Plan Tools (e.g., DMPonline), implementation of DMP standards, deployment of different FAIR online tools to support researchers e.g., DMP tools, PRET platforms, IRDOS infrastructure for active data management, diversified storage solutions, tools like FAIR-Aware, FAIR EVA online assessment tool 3. Integration of online DMP tools with organisational tools such as repositories and data registers 4. Implementation of the machine-actionable DMP tools, development of the DAMAP tool, an open-source software facilitating the creation of DMPs 5. Integration of local CRIS systems with DMP tool 6. Development of DMPonline Metadata for Machines toolbox for ontologies and metadata definition 7. Collaboration on FAIR DMPs, collaboration on Data Stewardship Wizard deployment 8. Enhancement of existing LIs for data access in correspondence with EOSC requirements for FAIR	AA2 - Metadata & Ontologies AA3 - FAIR metrics & certification AA5 - User Environments AA6 - Resource Provider Environments AA7 - EOSC Interoperability Framework AA13 - Communication	67,0	7.824.438,00 €		
	1.4 Development and publication of large scale studies	1. Funding of two large open cohort studies: the Swiss Transplant and the HIV Cohort Study aiming at a nationwide comprehensive and structured data collection and build a national, open database 2. Supporting and hosting several large studies like LCBC, Normet, ELIXIR (NFEGA), Astrophysics where data is collected, generated and eventually supposed to become FAIR 3. Population study on opening research data at Polish universities and science units 4. A sociological-economic-technological audit of the national library ecosystem	S01 S05 S06 S08 O01 O02 AA3 - FAIR metrics & certification AA5 - User Environments AA6 - Resource Provider Environments	79,2	8.829.000,00 €		
	1.5 Contribution to operating core functions of a Minimum Viable EOSC ecosystem	1. AAI infrastructure deployment 2. Implementation of HVE Research Infrastructures (e.g. Connectome Research Infrastructure) 3. Preparation of the secure cloud environment and contribution to the deployment of country-wide AAI fully compliant with EOSC architecture (also providing fully compliant S4AAI for the Life Science community Europe-wide) 4. Cloud operation and management of the EOSC-compliant AAI infrastructure 5. Maintenance of ESC AAI federation in platforms like ELIXIR and B2ACCES, maintenance of the ESC provider profile on the EOSC Portal 6. Coordination of national AAI federation - AAI@EJHR 7. Implementation of the EOSC AAI within EuroHPC 8. Development of services for the EOSC, including AAI services, Orchestration, Cloud integration 9. Implementation and deployment of federated tools for the operations of distributed cloud infrastructures	AA1 - Identifiers AA3 - FAIR metrics & certification AA4 - AAI AA5 - User Environments AA6 - Resource Provider Environments AA14 - Widening to public & private sectors & going global	43,9	3.870.200,00 €		
	1.6 Investment done complementing the results of a project, bringing it to a higher TRL level (e.g. EOSC thematic services) or to deployment	1. Continuous improvement of thematic services registered in EOSC Portal (e.g. support on the development of EOSC thematic services) 2. Various investments within Connectome project as well as investments being part of ELIXIR, LifeWatch and HL-LHC	S04 S07 S08 O01 O05 AA6 - User Environments AA7 - EOSC Interoperability Framework	2,5	257.655,00 €		
2. Scale up of technologies	2.2 Uptake of EOSC projects' outcomes through adoption of, for instance, new open specifications, standards for data interoperability, common EOSC frameworks for managing AAI, also but not exclusively in the context of public procurements	1. Integration of new or updated services resulting from EOSC-related projects in the R&D and make them discoverable through EOSC Portal within the SSH Open Marketplace 2. Adoption of open (WCA) standards for interoperability 3. Adoption of outcomes of relevant projects (e.g. SHOC, EOSC Future, OpenNRE, OPERAS) 4. Injection of knowledge from EOSC interoperability framework and A Persistent Identifier (PID) policy for the European Open Science Cloud (EOSC) and AAI architecture into national working groups and upcoming projects 5. Uptake of the Bio-Image Analysis Desktop (BIAND) service from EOSC-Life in 2023 to add the Life Science login 6. Implementation of data management and data analysis services for multiple research domains using common technology (resulting from the ESCAPE project) such as Data Lake 7. FBI data roadmap for 2022-2023; using the EOSC standards and AAI for biological image management	AA1 - Identifiers AA3 - FAIR metrics & certification AA4 - AAI AA5 - User Environments AA6 - Resource Provider Environments AA7 - EOSC Interoperability Framework AA14 - Widening to public & private sectors & going global	60,8	6.272.155,00 €	117,3	12.465.822,04 €
	2.3 Implementation of technical specifications required to provide services through the EOSC	1. Standardization and vocabulary development activities relevant for EOSC 2. Implementation of state-of-the-art standards for metadata, interoperability and persistent identification for the upgrading of the cultural heritage digitised collections repository 3. Support implementation of technical specifications within ALISSA/CESSDA catalogue with link to EOSC 4. Implementation of technical specifications required to provide repository and LTP services through the EOSC	S01 S04 S05 S07 O01 O06 O010 O011 O012 AA1 - Identifiers AA2 - Metadata & Ontologies AA3 - FAIR metrics & certification AA4 - AAI AA5 - User Environments	54,0	5.936.012,04 €		
	3.1 Investment in new platforms, demonstrators, pilot use cases exploiting domain-specific user environments and supporting the EOSC vision including the value of sharing FAIR and open research data and other research digital objects such as software	1. Pilot of new services and pilot applications in the context of the Open Research Knowledge Graph for various applications and science domains 2. Implementation of a pilot case for digital critical national editions, fully compliant with state-of-the-art domain standards and EOSC vision for FAIR data 3. Development of the AAI@Health@DB (AMDB) infrastructure that allows researchers to collect and access large volumes of health data in compliance with legal, organizational, and regulatory requirements. AMDB adopts a FAIR by design approach, and develops a shared infrastructure for ensuring the highest interoperability level, better control, and better cost-effectiveness, especially for multi-center studies. 4. Develop and prototype a data access and analysis platform for multimessenger astronomy 5. Develop and prototype a data analysis and preservation service for material science data 6. Build up relevant, up-to-date infrastructure that is accessible to the national research community, trade and industry that may be federated through EOSC 7. Build technical prototypes in EOSC-compatible frameworks, showcase them and work with end-users 8. Set up a controlled vocabulary registry as a demonstrator for a federated registry service infrastructure 9. Develop and prototype an implementation of a data access and analysis platform for research	AA3 - FAIR metrics & certification AA4 - AAI AA5 - User Environments AA6 - Resource Provider Environments AA7 - EOSC Interoperability Framework AA14 - Widening to public & private sectors & going global	137,9	44.749.378,96 €		

3. Demonstrators	<p>1. Implementation of services and related policies for data management, processing and archiving in accordance with potential commercial use cases</p> <p>2. Implementation of a set of additional commercial functionalities to the Educloud that aims to serve as general service available for users to be consumed from anywhere</p> <p>3. Development of commercial services and capabilities under Connectome project</p> <p>4. Development of sustainable OA Book focused analytics service, helping safeguard and support diversity in the voices, perspectives, geographies, topics and languages made visible through OA Books, to be Findable and Accessible in EOSC</p>	<p>S04 S07 O01 O05 O010</p> <p>AA4 - AI AA5 - User Environments AA6 - Resource Provider Environments AA7 - EOSC Interoperability Framework AA14 - Widening to public &amp; private sectors &amp; going global</p>	188,9	51,0	6.271.263,00 €	51.020.641,96 €
3.2 New (pre-)commercial services and capabilities along the data life cycle addressing current and anticipated needs of the research community at large						
4.1 Invest in start-ups, spin-offs on solutions developed within the projects	<p>1. Support the exploitation of project results through the initiation of dedicated spin-offs such as LIBRIS-tech (e-publishing), InnoErics (communication, robotics and knowledge processing), Symbolab (machine learning/digital services)</p> <p>2. Invest in "Foodcapture" - a spin-off from ISD looking at nutrition surveillance in homes for elderly people and in hospitals</p>	<p>S08 AA14 - Widening to public &amp; private sectors &amp; going global</p>	5,5	5,5	513.000,00 €	
4.2 Start incubators/accelerators	<p>1. Organisation of bootcamps, hackathons and distaffs within Coralia project/Hellenic Technology Cluster Initiative that fosters collaboration between Science, Entrepreneurship and Industry, also in terms of data accessibility</p>	<p>S08 AA14 - Widening to public &amp; private sectors &amp; going global</p>	1,0	1,0	66.000,00 €	
4. Creating new business opportunities	<p>1. Support for SMEs and start-ups through Vekthuset and Dscience (Centre for Computational and Data Science) centres by e.g. organising events/exchanges related to data/information sharing</p> <p>2. Matchmaking activities within Big Data and Business Analytics Observatory that aims to understand and portray the status quo of FAIR Data &amp; Analytics in Italy. The Data Center workgroups established for research related to activities on the Cloud Transformation Observatory with the aim of creating and spreading knowledge on the Italian Data Center supply chain and on the infrastructure existing on the Italian territory.</p>	<p>S08 AA13 - Communication AA14 - Widening to public &amp; private sectors &amp; going global</p>	9,0	2,5	186.000,00 €	765.000,00 €
4.3 Matchmaking between different start-ups, SMEs, participating companies, stakeholders						
4.4 Investments in procurement of innovative solutions	<p>1. Procurement of innovative platform for scientific data preservation and management</p>	<p>S08 O07 AA14 - Widening to public &amp; private sectors &amp; going global</p>	0,0	0,0	0,00 €	
5.1 Addressing the development of education, training and skills development in Open science and FAIR data management of research artefacts. Covering and signing relevant curricula on skills for FAIR and Open Science, and training frameworks for young researchers, civil servants and policy makers	<p>1. Diverse education, training, and skills development activities (webinars, workshops, online courses, mutual learning events) in Open Science, RDM and FAIR data management of research artefacts also in the context of EOSC related services</p> <p>2. Contribution to the National Digital Skills and Jobs Coalition by supporting RPOs in delivering training on FAIR and RDM as well as on the use of EOSC-relevant services</p> <p>3. Development of training materials and guidelines covering RDM topics like anonymization, best practices, FAIR principles, DMPs; continuous upgrading of training materials on FAIR data, RDM, DMP, OA</p> <p>4. Data stewardship-oriented activities: data stewards' recruitment campaigns, development of data stewardship curricula, establishment of data steward training programmes, data stewardship certificate courses</p> <p>5. Training activities provided by RDM and OS support desks, support to RPOs in delivering training on FAIR and RDM</p> <p>6. Development of training resources about Open Science and FAIR data for the arts and humanities research communities</p> <p>7. Development of the SSH Training Toolkit that provides a FAIR overview of teaching instruments with a focus on language data</p> <p>8. Advisory services, courses and OS trainings for students, PhD candidates, university authorities, administrative staff, librarians, policy makers</p> <p>9. Training activities focusing on experts (train-the-trainers), researchers (data producers and data users), grant holders</p> <p>10. Diploma for 'scientific data management', certifications in OS</p> <p>11. Build capacities to sustain learning ecosystems for digital skills and tools so that EOSC represents a trusted and long-lasting knowledge hub</p>	<p>S01 S02 S04 S06 S08 O03 O04 O06</p> <p>AA1 - Identifiers AA2 - Metadata &amp; Ontologies AA3 - FAIR metrics &amp; certification AA5 - User Environments AA6 - Resource Provider Environments AA11 - Skills and training AA12 - Rewards and recognition AA13 - Communication AA14 - Widening to public &amp; private sectors &amp; going global</p>	299,5	299,5	25.573.991,70 €	25.573.991,70 €
6.1 Standardisation and certification activities related to EOSC trusted repositories (e.g. CoreTrustSeal and FAIR)	<p>1. Preparation of repositories and national repository platform for CTS certification</p> <p>2. Core Trust Seal certification of institutional research data repositories and local storages connected to DORIS repository work</p> <p>3. CEESDA Trust support and AUISDA CTS certification</p> <p>4. Support for CoreTrustSeal (re-certification)</p> <p>5. Maintenance of certification services related to Core Trust Seal</p> <p>6. Financial contribution to the board and secretariat of Core Trust Seal</p> <p>7. Certification activities of internal QM working groups</p> <p>8. Accreditation to IOE Quality Management Framework</p> <p>9. Investment in repository certifications stimulate the awareness and skill-levels for how to make data FAIR and help increase the volume of FAIR language data collections.</p>	<p>S01 S02 S04 S06 S08 O02</p> <p>AA2 - Metadata &amp; Ontologies AA3 - FAIR metrics &amp; certification AA5 - User Environments AA6 - Resource Provider Environments AA7 - EOSC Interoperability Framework</p>	63,6	63,6	6.078.341,00 €	
6.2 Translate FAIR guidelines and frameworks to make them applicable to other digital objects, such as software, code, data management plans, protocols	<p>1. Development of applicable FAIR guidelines and frameworks</p> <p>2. Establishment of templates and protocols to manage data according to FAIR principles for the research community</p> <p>3. Contribution to the development of applicable FAIR guidelines and DMP elaboration guidelines through EERTS</p> <p>4. Implementation of discipline specific RDM strategies</p> <p>5. Implementation of a data management policy together with DMPs</p> <p>6. Work on FAIR Research Objects and FAIR ontologies</p> <p>7. Development of Metadata for Machines tools</p> <p>8. Participation in RDA, IWA, HCSA, PDA working groups</p> <p>9. Involvement in EOSC Association's Task Forces work</p> <p>10. Contribution to the translation of FAIR guidelines into specific software, code and other research products</p>	<p>S01 S02 S03 S04 S05 O03 O04 O05 O06 O07 O08</p> <p>AA2 - Metadata &amp; Ontologies AA3 - FAIR metrics &amp; certification AA5 - User Environments AA6 - Resource Provider Environments AA7 - EOSC Interoperability Framework AA11 - Skills and training AA13 - Communication AA14 - Widening to public &amp; private sectors &amp; going global</p>	71,0	71,0	7.231.563,00 €	
6.3 Continuous standardisation of PID resource types and promotion of new practices to expand the range of identifiable research objects e.g. instruments, services, organisations and software	<p>1. Collaboration with DataCite with respect to various PID standardisation activities, work with DataCite DOI service</p> <p>2. Alignment of PID usage across national DOI users</p> <p>3. Using and promoting the use of DOI for OGS digital materials</p> <p>4. Application in institutional context (RDA, PID service), contributions to committees (e.g. DataCite, CrossRef, ORCID-DE, Eurocris)</p> <p>5. Setting up a national PID roadmaps</p> <p>6. Integration of ORCID, DOI and other PID in universities' system</p> <p>7. PID management, nation-wide services DOI-Service, ORCID, activities in the RDA National PID Strategies Working Group</p> <p>8. Support communities in the standardization of PID resource types</p> <p>9. Involvement in EOSC Association's Task Forces work (EOSC Task Force PID policy and implementation)</p> <p>10. Establishment of the National Centre for PIDs (ISSN, ORCID consortium, DataCite consortium, ROR) that will provide methodological and financial support to RPOs and funders to implement persistent identifiers to their workflows and systems</p>	<p>S01 S02 S03 S04 S05 O01 O04 O07 O08 O011</p> <p>AA1 - Identifiers AA2 - Metadata &amp; Ontologies AA3 - FAIR metrics &amp; certification AA5 - User Environments</p>	59,4	59,4	5.846.126,00 €	292,2
6.4 Support all research communities to develop and adopt domain-specific standards and to consolidate common metadata and data schema for use in the EOSC context	<p>1. Support research communities in the SSH and beyond to adopt domain-specific standards</p> <p>2. Working with research communities through national Task Forces to support their adoption of the metadata standards relevant in their domains</p> <p>3. Support to I4Watch and CSC's Teledetection Thematic Platform on the adoption of relevant standards for their domains of knowledge and FAIR principles</p> <p>4. Support French astronomy community for the development and adoption of astronomy community standards (IWA)</p> <p>5. Development and adoption of domain-specific standards with CyVerse Austria</p> <p>6. Work with the optical microscopy and electronic microscopy scientific communities to implement interoperable data archive and analysis services, support for adopting metadata and file format standards to ease data access and discovery</p> <p>7. Support communities - within and beyond ICT research domains - in transferring knowledge and consolidating common metadata</p> <p>8. Contribution to development and adoption of data/metadata standards in BSC</p>	<p>S01 S02 O04 O05 O012</p> <p>AA2 - Metadata &amp; Ontologies AA3 - FAIR metrics &amp; certification AA5 - User Environments AA6 - Resource Provider Environments AA7 - EOSC Interoperability Framework</p>	98,2	98,2	10.606.783,74 €	
7.1 Define and test financing models for a lasting long-term EOSC sustainability framework	<p>1. Participation in EOSC-A Task Force "Long term data preservation"</p> <p>2. Contribution to the work of EOSC Association Financial Sustainability Task Force</p>	<p>O013 O014 AA9 - Landscape Monitoring AA10 - Funding Models</p>	23,4	23,4	2.323.500,00 €	
7.2 Development of consensus EOSC frameworks and guidelines (e.g. for interoperability, AI, the implementation of EOSC rules of participation)	<p>1. Participation in EOSC-A Advisory Group "Technical challenges on EOSC - Task Force 'AI Architecture', Task Force "Technical interoperability of data and services"</p> <p>2. Work on EOSC-compatible AI ecosystem for specific scientific domains</p> <p>3. Contribution to AI standards and best practices definition from the HPC centre and related services operator perspective</p> <p>4. Improve of usability elaborating the access control and interoperable authentication among different standards</p> <p>5. Participation in the EOSC Association's Task Forces: Rules of Participation Compliance Monitoring, Long Term Data Presentation</p>	<p>S05 O04 O05 O013</p> <p>AA3 - FAIR metrics &amp; certification AA4 - AI AA7 - EOSC Interoperability Framework AA9 - Landscape Monitoring</p>	29,8	29,8	2.847.854,00 €	

7.2 Support to knowledge building and sharing with the research domains to support data-intensive science and inter-disciplinary research	<ol style="list-style-type: none"> <li>1. Collaboration with national RPOs and researcher networks to facilitate transition towards Open Science (FAIR Data, RDM)</li> <li>2. Coordination and support across all CSC research areas with regards to digital and open science through CSC's Digital Science thematic platform</li> <li>3. Dedicated domain experts in the Swedish National Data Service network that serve as a support in knowledge building and sharing</li> <li>4. Setting up synergistic research support in all areas of research data management and facilitating a transition to Open Science</li> <li>5. Dedicated staff to support researchers with interdisciplinary data interoperability across department and projects</li> </ol>	<ul style="list-style-type: none"> <li>SO1</li> <li>SO4</li> <li>SO8</li> <li>OO2</li> <li>OO4</li> <li>AA1 - Identifiers</li> <li>AA2 - Metadata &amp; Ontologies</li> <li>AA3 - FAIR metrics &amp; certification</li> <li>AA9 - Landscape Monitoring</li> </ul>	96,3	11.473.283,00 €	
7.4 Building industry-academia cooperation (e.g. GAIA-X and other industry-driven initiatives)	<ol style="list-style-type: none"> <li>1. Collaboration SameRISE to establish a joint national EuroHPC node, focusing on industry-academic use cases</li> <li>2. Foster collaboration with industry stakeholders within GAIA-X through CSC's Digital Science thematic platform</li> <li>3. Involvement in GAIA-X AISBL, GAIA-X national hubs, EuroHPC, Digital Innovation Hubs and other efforts which support collaboration with industry and their implementation on regional and national level</li> <li>4. Establishment of Romanian National Competence Center (RoNCC) in the field of HPC that aims to create a network of competencies in HPC, coordination of National Competence Center for HPC activities</li> <li>5. Setting up an open Open Desk that offers any company the possibility of submitting its innovation needs that can be solved by Modelling Simulation and Optimization technologies in a Data rich Environment (MSO-DE). It is devoted to coordinate and facilitate the necessary exchanges in the field of application-driven mathematical</li> </ol>	<ul style="list-style-type: none"> <li>SO8</li> <li>AA9 - Landscape Monitoring</li> <li>AA14 - Widening to public &amp; private sectors &amp; going global</li> </ul>	71,7	7.395.548,00 €	
7.5 Enforcement and implementation of the EOSC Persistent Identifier (PID) policy and architecture	<ol style="list-style-type: none"> <li>1. Enforcement and implementation of EOSC PID policy through (revised) institutional/national Open Science policies/ documents</li> <li>2. Implementation of automatic DOIs in datasets collected in one beamline supporting ICAT data Catalogue</li> <li>3. Support communities in adoption of metadata schemas related and required by the PIDs provided by the National Centre for RDI</li> <li>4. Support of ORCID, DOI and other PID systems via institutional infrastructure and support (eRA)</li> </ol>	<ul style="list-style-type: none"> <li>SO1</li> <li>SO2</li> <li>SO4</li> <li>OO11</li> <li>AA1 - Identifiers</li> <li>AA2 - Metadata &amp; Ontologies</li> <li>AA9 - FAIR metrics &amp; certification</li> </ul>	27,7	2.802.791,00 €	
7.6 Encouraging and incentivising use of European infrastructure for sharing of research software	<ol style="list-style-type: none"> <li>1. Promotion of the use of Software Heritage and FAIR software route</li> <li>2. Fostering usage of EOSC across all CSC institutes through CSC's Digital Science thematic platform</li> <li>3. Promotion of the services from ERICs like EATRIS and ELIXIR through the institutional newsletter</li> <li>4. HPCOS platform design activities</li> <li>5. Implementation and expansion of MeHeart open-source optimized model of solid mechanics of the myocardium to reproduce the cardiac electrical mechanics in HPC environment for industrial, clinical, and academic applications</li> </ol>	<ul style="list-style-type: none"> <li>SO6</li> <li>SO7</li> <li>OO1</li> <li>OO7</li> <li>AA5 - User Environments</li> <li>AA6 - Resource Provider Environments</li> <li>AA9 - Landscape Monitoring</li> <li>AA14 - Widening to public &amp; private sectors &amp; going global</li> </ul>	36,3	3.267.570,00 €	
7.7 Monitoring of EOSC key performance indicators (KPIs), investments and FAIR data production and management	<ol style="list-style-type: none"> <li>1. National mapping/monitoring on open access to research data within national assignment</li> <li>2. Engagement in OpenAIRE monitoring activities</li> <li>3. Monitoring closely the progress on institutional KPIs by the Open Science team</li> <li>4. Support the related work of GSRI on OS and innovation monitoring</li> <li>5. Contribution to national open science website by publishing an online open science dashboard with a variety of indicators</li> <li>6. Dedicated monitoring working group within the EOSC Support Office Austria</li> </ol>	<ul style="list-style-type: none"> <li>SO5</li> <li>OO2</li> <li>OO7</li> <li>AA9 - Landscape Monitoring</li> </ul>	25,7	2.519.712,00 €	538,5 56.426.423,40 €
7.8 Contributing to a rewards and recognition framework that incentivises FAIR data and Open Science	<ol style="list-style-type: none"> <li>1. Development of national rewards and recognition framework within national FAIR Strategy implementation</li> <li>2. Establishment of Research Assessment Group dedicated following topics related to the rewards and recognition framework that incentivises FAIR data and Open Science</li> <li>3. Promotion, dissemination, consultation, mutual learning exercises and policy advice on new indicators for research assessment and rewards, including EOSC, Open Science, RDM</li> <li>4. Participation in EOSC - Advisory Group 'Research careers and curricula' - Task Force 'Research careers, recognition and credit'</li> <li>5. Contribution to development a new Open Science Assessment Framework (OSAF)</li> <li>6. Alignment of Quality Research Framework with OS, DORA and EOSC standards and principles</li> <li>7. Development of university strategy for changes in recognition and rewards, inclusion of FAIR research data and DORA into the rewards policy during 2023</li> <li>8. Scientometric analyses and advisory services for university's researchers and research units</li> <li>9. Contribution to the alignment of the national rewards and incentives framework to the European initiatives</li> </ol>	<ul style="list-style-type: none"> <li>SO1</li> <li>SO4</li> <li>OO8</li> <li>AA3 - FAIR metrics &amp; certification</li> <li>AA12 - Rewards &amp; Recognition</li> <li>AA13 - Communication</li> <li>OO2</li> <li>OO7</li> <li>AA9 - Landscape Monitoring</li> </ul>	30,4	2.927.440,00 €	
7.9 Activities contributing strategic and operational alignment, coordination and synergies with other partnerships, HE missions, initiatives, research data commons and data spaces	<ol style="list-style-type: none"> <li>1. Collaboration with other infrastructures, partnerships, Horizon Europe missions, to implement into the strategic and operational plans at EU level innovative pediatric research to be developed in Open Science</li> <li>2. Contribution to strategic and operational alignment of pan-European e-infrastructure through activities in e-IRG and EGI</li> <li>3. Participation in international EOSC infrastructures, providing data for an OS/EOSC environment e.g. ELIXIR Belgium, ANAEE-Belgium, CLARIN-VL, DISSCO, eHBC, ICOS, EMPHASIS-Belgium, ELUFAR</li> <li>4. Participation in EOSC - Task forces</li> <li>5. Coordination of national Network for e-Science, fostering the cooperation among main national stakeholders in e-Science, including Open Science</li> <li>6. Contribution to national Open Research Forum which brings together stakeholders in national research eco-system to help develop national policies on open research</li> <li>7. Collaboration with/ within the European Consortia of Universities for practices exchange and better alignment of OS approaches</li> <li>8. Contribution to OS committees or working groups of the Science Europe, the Guild, EUA, LIBER, RDA</li> <li>9. Contribution to discussions in committees and partnerships (e.g. Alliance of German Research Organisations, NFDI, DINI)</li> <li>10. Alignment with euroCRIS and EOSC</li> </ol>	<ul style="list-style-type: none"> <li>SO1</li> <li>SO8</li> <li>SO9</li> <li>OO4</li> <li>AA9 - Landscape Monitoring</li> <li>AA14 - Widening to public &amp; private sectors &amp; going global</li> </ul>	156,8	16.979.678,76 €	
7.10 Contact points at national or institutional levels and coordination mechanisms for EOSC uptake by the research communities, infrastructure connection and FAIR implementation	<ol style="list-style-type: none"> <li>1. Coordination and promotion of collaboration on the national work on open access to research data, a coordination of the national engagement in EOSC</li> <li>2. Participation in the Hellenic Open Science Initiative that aims to promote EOSC at national level</li> <li>3. Coordination of national activities towards the implementation of EOSC, including work on the general conditions for this implementation</li> <li>4. Setting up the national EOSC secretariats</li> <li>5. Coordination of OS national activities as the national contact points for EOSC, being also the OS and EOSC national helpdesks, supporting the EOSC uptake</li> <li>6. Coordination of the national EOSC Forums, running EOSC national Coordination Forums</li> <li>7. Coordination of the national OS Task Forces, engagement with national stakeholders, co-creation activities for potential 'EOSC proof' services in collaboration with research organisations and researchers</li> <li>8. Establishment of the institutional EOSC reference points</li> <li>9. Participation in the coordination boards for implementation of the EOSC initiative at national level</li> <li>10. Participating in the national governance of the EOSC</li> <li>11. Alignment with the EOSC 4, as the national EOSC 4 Mandated Organisation</li> <li>12. Contact point for EOSC for national Association of Higher Educational Institutions</li> <li>13. Support and coordination of the participation of national institutions, organisations, and individual members in the Research Data Alliance Europe, linking the community to EOSC</li> </ol>	<ul style="list-style-type: none"> <li>SO1</li> <li>SO3</li> <li>SO8</li> <li>OO2</li> <li>OO4</li> <li>AA8 - Rules of Participation</li> <li>AA9 - Landscape Monitoring</li> <li>AA13 - Communication</li> <li>AA14 - Widening to public &amp; private sectors &amp; going global</li> </ul>	40,4	3.869.046,65 €	
8.1 EOSC-related communication, dissemination, outreach and awareness raising activities	<ol style="list-style-type: none"> <li>1. EOSC-related communication and awareness raising activities through all available communication institutional channels such as webpages, magazines, newsletters and through social media</li> <li>2. Organisation of national Tripartite events involving the national stakeholders</li> <li>3. Running EOSC Roadshow and other national and local events that aim to promote EOSC to research communities</li> <li>4. Organisation of thematic seminars to promote EOSC-related topics within the institution and towards the citizenship</li> <li>5. Organisation of EOSC information events</li> <li>6. Dissemination, outreach, social media postings, events, and webinars for research communities on topics including research data management, EOSC, ELDAT, FAIR data, data infrastructures and research data services</li> <li>7. Creation of a dedicated space on the institutional website to explain EOSC</li> <li>8. Dissemination activities related to the EOSC community through the RDM Forum event</li> <li>9. Online materials on EOSC and OS disseminated among national researchers, data</li> </ol>	<ul style="list-style-type: none"> <li>SO1</li> <li>SO2</li> <li>SO3</li> <li>SO4</li> <li>SO8</li> <li>SO9</li> <li>OO3</li> <li>OO4</li> <li>AA6 - User Environments</li> <li>AA9 - Landscape Monitoring</li> <li>AA13 - Communication</li> <li>AA14 - Widening to public &amp; private sectors &amp; going global</li> </ul>	41,9	4.011.110,02 €	80,6 7.698.568,92 €
8.2 Promoting EOSC at all levels by engaging with relevant communities and stakeholders	<ol style="list-style-type: none"> <li>1. Maintenance of the dedicated webpages presenting EOSC-related activities, addressed to various communities</li> <li>2. Collaboration with the infrastructures and e-infrastructure managers</li> <li>3. Regular webinars addressed to researchers where EOSC and engagement opportunities are disseminated</li> <li>4. Promotion of EOSC by engaging with research communities in the SSH, with the national stakeholders and the national infrastructures</li> <li>5. Political Award - the initiative provides funding to research projects with high social impact according to the paradigm of citizen science (the selected projects are evaluated also according to EOSC-related parameters)</li> <li>6. Promotion of EOSC within Digital Innovation Hub, managed by the EOSC Support Office Austria</li> <li>7. Management of large platform called BrainMap - the online community of researchers, innovators, technicians, and entrepreneurs with more than 50.000 accounts or EERS platform that offers an overview of existing research facilities, equipment, services, and technological services at national level</li> <li>8. Management and content provision for the EOSC 7e website</li> <li>9. Promotion of EOSC in various activities, sometimes in close cooperation with</li> </ol>	<ul style="list-style-type: none"> <li>SO1</li> <li>SO8</li> <li>SO9</li> <li>OO4</li> <li>OO5</li> <li>OO7</li> <li>SO8</li> <li>OO9</li> <li>OO14</li> <li>AA13 - Communication</li> <li>AA14 - Widening to public &amp; private sectors &amp; going global</li> </ul>	38,7	3.687.458,90 €	
8.3 Introduction of EOSC-specific references in research programmes and EOSC-related criteria for RAI funding	<ol style="list-style-type: none"> <li>1. Establishment of the requirements for open access to publications of funded research</li> <li>2. Setting up the requirements that a data management plan is drawn up before the research starts and that the plan is maintained and complied with</li> <li>3. Drafting specific requirements for funded infrastructures to provide research data and software as open as possible and as soon as possible</li> <li>4. Introduction of EOSC-specific references in all relevant nationally funded projects</li> <li>5. Providing input to the Ministry for the set-up of new calls to support Open Science, also providing input to the definition of conditions like mandatory use of DMPs in general</li> </ol>	<ul style="list-style-type: none"> <li>SO1</li> <li>SO3</li> <li>SO4</li> <li>OO4</li> <li>AA6 - Rules of Participation</li> <li>AA9 - Landscape Monitoring</li> <li>AA12 - Rewards &amp; Recognition</li> </ul>	2,8	4.428.407,91 €	
8.4 Activities in support of open publishing and initiatives to promote wider open access publication through the EOSC	<ol style="list-style-type: none"> <li>1. Support through Figshare Bolin centre and Figshare - an online open access repository to preserve and share research outputs, including figures, datasets, images, and videos</li> <li>2. Open access publishing-related activities carried out by dedicated teams/ staff e.g., Open Access Office</li> <li>3. Support to publication in Diamond Open Access through the institutional e-publishing Editorial Service</li> <li>4. Creation of the Open Access Award to encourage the engagement of university staff in developing and promoting open research including open access publishing or in making publications freely accessible</li> <li>5. Open access publishing activity within institutional DSpace repository</li> <li>6. Financial support for activities to move to open and FAIR publishing within the EMS Publishing House</li> <li>7. Offering institutional standard services for Open Access Publishing (ORFED)</li> <li>8. Internalisation of the Polish monographs via Open Edition Books that promotes Open Access publishing and sustainability model</li> </ol>	<ul style="list-style-type: none"> <li>SO1</li> <li>SO3</li> <li>SO4</li> <li>OO1</li> <li>OO3</li> <li>AA6 - Resource Provider Environments</li> <li>AA13 - Communication</li> <li>AA14 - Widening to public &amp; private sectors &amp; going global</li> </ul>	54,4	9.713.127,00 €	

9. Other	<p>9.3 Adoption of national or institutional strategies for digital transformation and related roadmaps including a reference to the EOSC</p>	<p>1. Support to the implementation of the Digital Strategy priorities  2. Implementation of the national digital transformation strategies  3. Adoption of the national strategy for FAIR research data management  4. Implementation of the institutional strategies for digital transformation and related roadmaps through a dedicated working group  5. Contribution to the national AI strategy and actions in the field of data platforms  6. Adoption of the national strategy for digital transformation  7. Contribution to the digital transformation across the Catalan region  8. Contribution to the national Roadmap for Digital Transformation which also includes actions for Open Science and EOSC  9. Digitalisation of the cultural heritage collections within the national program  10. Research Data Management policy and Roadmap implementation  11. Activities within the Digital University Hub - the cooperation and service platform for digital and social transformation initiatives by Austrian universities</p>	<p>SO1  SO2  SO3  SO4  SO9  OO1  OO2  OO3  OO4  OO6  OO8  OO13  A08 - Landscape Monitoring  A03 - Communication  AA14 - Widening to public &amp; private sectors &amp; going global  A03 - FAIR Metrics &amp; Certification</p>	30,5	2.176.453,00 €	115,3	19.067.755,71 €
	<p>9.4 Adoption of new policies on Open Science referring to the use of the EOSC or the implementation of the FAIR principles. Definition of policy targets and action plans for the implementation of those policies</p>	<p>1. Publication of the institutional policies on management and sharing of data  2. Revision and update of the institutional policies on open access to publications  3. Adoption of the institutional roadmaps to Open Science with a set of the recommendations  4. Support to the implementation of activities included in the proposal for a National Open Science Plan  5. Implementation of the national policies on Open Science  6. Adoption of the national Open Science Strategies and Roadmaps, e.g., roadmap for the implementation of open science in Ukraine until 2030  7. Contribution to the development of the strategic framework for OS at national level  8. Implementation of the Slovak National Strategy for Open Science 2021-2028 that aims to improve the availability of the Slovak scientific results and change the system of the research and evaluation processes towards better transparency, reproducibility, and integrity  9. Implementation of the Swedish Policy on Open Science, Roadmap and Guide Open</p>	<p>SO3  SO4  OO4  A03 - FAIR Metrics &amp; Certification  A08 - Rules of Participation  A08 - Landscape Monitoring</p>	23,1	2.300.421,00 €		
	<p>9.5 Liaise internationally to develop a global cooperation framework for Open Science infrastructures</p>	<p>1. Collaboration with the Federated Institutional Repositories of Scientific Publications Network which is a Latin American network of open access repositories  2. Collaboration aimed at raising the awareness for the potential benefits of sharing language resources via active links with nodes in South Africa, the US, Australia, and Latin America  3. Liaise with regional networks around the world (Canada, Latin America, UN, GOSC, RDA, COAR) which include technology transfer, know-how and practices</p>	<p>SO8  SO9  AA14 - Widening to public &amp; private sectors &amp; going global</p>	4,5	449.326,00 €		

Note 1: Column E ("Link to partnership's project/ topic") lists Horizon Europe calls/topics linked to the Additional Activity mentioned under column B. The Additional Activity mentioned under column B is complementary to the projects arising from the calls/topics mentioned in column E and therefore excludes the activities undertaken by the beneficiaries in the EU grants funded under the corresponding calls/topics.

Note 2: Column F ("Estimated value") indicates the amounts corresponding to the Additional Activity mentioned under point B but excludes any costs incurred by the beneficiaries in the EU grants funded under the corresponding calls/topics.  
Note 3: Only federation activities and their corresponding amounts are included.