

European Union HORIZON 2020 PROGRAMME

# EOSC Portal Collaboration Agreement between

EOSC-hub / OpenAIRE-Advance / eInfraCentral (April-June 2019)  
EOSC-hub / OpenAIRE-Advance / EFIS / UoA / JNP (July-December 2019)

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Version 1.0, 02 September 2019

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EOSC-hub, GA 777536

OpenAIRE-Advance, GA 777541

eInfraCentral, GA No 731049

This Collaboration Agreement ('the Agreement') is between the following parties:

- The beneficiaries of the Complementary Grant Agreement N. 777536 (Acronym: EOSC-hub, Full title: Integrating and Managing Services for the European Open Science Cloud) hereinafter the "EOSC-hub", represented by STICHTING EGI (EGI Foundation), established in SCIENCE PARK 140, AMSTERDAM 1098 XG, Netherlands (the EOSC-hub Coordinator), represented for the purposes of signing the Agreement by its Managing Director, Yannick LEGRÉ.
- The beneficiaries of the Complementary Grant Agreement N. 777541 (Acronym: OpenAIRE-Advance, Full title: OpenAIRE Advancing Open Scholarship) hereinafter the "OpenAIRE-Advance", represented by National and Kapodistrian University of Athens (UoA), established in 1837, Greece (the OpenAIRE-Advance Coordinator), represented for the purpose of signing the Agreement by its coordinator Prof. Michael Chatzopoulos.
- The beneficiaries of the Grant Agreement N. 731049 (Acronym: eInfraCentral, Full title: European E-Infrastructure Services Gateway) hereinafter "eInfraCentral", represented by European Future Innovation System (EFIS) Centre asbl (EFIS Centre), established in Avenue Maurice Maeterlinck, 12, Louvain-la-Neuve, 1348 Belgium (the eInfraCentral Coordinator), represented for the purposes of signing the Agreement for April-June 2019 by its Managing Director, Alasdair Reid.
- EFIS Centre, established at Avenue Maurice Maeterlinck, 12, Louvain-la-Neuve, 1348 Belgium represented for the purposes of signing the Agreement by its Managing Director, Alasdair Reid
- The Management of Data, Information, and Knowledge Group of the Department of Informatics & Telecommunications of the National and Kapodistrian University of Athens, hereafter "UoA", established in Panepistimiopolis, Ilissia, Athens 15784, represented for the purposes of signing the Agreement by Prof. Michael Chatzopoulos.
- JNP Strategy and Management Consulting PCC, hereafter "JNP", established in Xanthou 17, GR15238 Xalandri, Greece, represented for the purposes of signing this Agreement by its Founding Partner, Dr. Jorge-A. Sanchez-P.

Hereinafter also referred to as "Parties", have agreed to enter into an Agreement under the terms and conditions below.

By signing the Agreement through their representatives, the Parties accept the Agreement and agree to implement it under their own responsibility and in accordance with the Agreement, with all the obligations and conditions it sets out.

The Agreement is composed of:

**Terms and Conditions**

- Article 1. Definitions
- Article 2. Purpose and Relationship with Consortium Agreements
- Article 3. Work Plan
- Article 4. Coordination and Communication
- Article 5. Rights of Access to Background
- Article 6. Confidentiality
- Article 7. Transfer and Licensing of Results
- Article 8. Access to Results
- Article 9. Non-Disclosure of Information
- Article 10. Dissemination and Publications
- Article 11. Intellectual Property Rights
- Article 12. Funding
- Article 13. Liabilities, Warranties and Penalties
- Article 14. Annexes
- Article 15. Language
- Article 16. Amendments
- Article 17. Applicable Law and Settlement of Disputes
- Article 18. Entry into Force, Term, Termination.

Annex 1. Joint Activity Plan

Annex 2. Background

Annex 3. Results

Annex 4. Party acronyms

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## TERMS and CONDITIONS

### Article 1. Definitions

**Joint Activity Plan:** refers to activities to be jointly conducted by the Collaborating Grants and described in Annex 1 of this Agreement.

**EOSC Portal** (hereinafter also referred to as the “Portal”): the necessary technical components, intangible assets and contractual arrangements that make it possible to provide the service that facilitates the access and use of the the EOSC assets. The contractual arrangements include - but are not limited to - the rights to administer the IP addresses and IT infrastructure making accessing the EOSC portal at the URL <https://eosc-portal.eu/> possible.

**Executive Office:** the governance structure responsible for organising the liaison between the Parties, monitoring the execution of the Joint Activity Plan and handling the escalation of issues.

**Results:** tangible or intangible output of the Agreement, such as data, knowledge or information, as well as any rights attached to it, including intellectual property rights. Results are listed in Annex 3.

### Article 2. Purpose and Relationship with Consortium Agreements

The purpose of this Agreement, which shall be implemented in accordance with the provisions of the applicable Grants, is:

- to define the rights and obligations of the Parties relating to their coordination and collaboration, and
- to implement the provisions of the respective Grant Agreements concerning amongst other things Access Rights relating to Results and Background.

Nothing in this Agreement shall be construed to prevent all Parties of one grant from agreeing (in the respective Consortium Agreement) to additional, supplementing or deviating Access Rights (including conditions thereof) or confidentiality obligations, provided that such obligations shall apply only to the beneficiaries of the applicable grant and their participation in the respective Grant. It is further understood that in the event of a conflict, the terms and conditions of the Consortium Agreement of the Grants shall prevail over the terms and conditions of this Agreement, but only with respect to and among the Parties.

The Parties wish to express their commitment to support the continued operations and further development of the Portal in a manner that acknowledges and maximally leverages the

contributions made by the Parties, and at the same time clarifies the ownership of the results in a way that streamlines the future governance and strategic decision making of the activities.

To reach the goals listed above, the Parties have agreed to the following:

- Executing the attached joint action plan [Annex 1 of the Agreement].
- Confirming that - to the best of their knowledge - the list of Background [Annex 2] and Results [Annex 3] represents all the components needed to operate and further develop the Portal. In case Parties consensually identify additional or modified Background items, the signatories agree that the Annex 2 will be updated accordingly. Finally, the signatories confirm that the relative contributions and percentage of ownership of the results represents a consensus opinion of all the stakeholders involved.
- Confirming that all the Parties agree to the spirit of this Agreement and their willingness to refine the working version into a formal agreement that will - as soon as possible - grant or transfer the necessary rights to the background and results to a legal entity that will take the responsibility of the further provisioning of the Portal. It is assumed that the identity of this legal entity will be communicated to the Parties by the end of 2019. The Parties will review the situation in January 2020 and update this Agreement and the Joint Action Plan if needed.

## Article 3. Work Plan

The Parties contribute to enable the vision of the European Open Science Cloud by providing a Portal as access and delivery channel of services and scientific products of the EOSC.

The specific activities to be carried out in the framework of the collaboration are defined in Annex 1 of this Collaboration Agreement.

## Article 4. Coordination and Communication

The execution of the Joint Activity Plan is the responsibility of the Executive Office (Article 4.1).

### 4.1 Executive Office

The execution of the Joint Activity plan (Annex 1) will be jointly coordinated by the Executive Office, the governance structure responsible for organizing the liaison between the Parties for managing the alignment of activities to this Agreement.

Composition. The Executive Office will include the three representatives of the Grants involved in this Agreement.

From July till the termination of this Agreement, EFIS, JNP and UoA will be represented by EFIS.

**Capacity:** The Executive Office oversees the effectiveness of the scientific and technical coordination of the collaboration.

**Meetings:** Meetings of the Cross-project Executive Office are held once per month.

#### **4.2 Coordination**

Each task of the Joint Activity Plan, is coordinated by an appointed person named in the Joint Activity Plan.

#### **4.3 Communication**

The Parties shall keep each other informed on their respective activities and on their progress and shall consult regularly on areas offering potential for further cooperation.

#### **4.4 Consultation**

Where relevant for issues concerning the on-going operation and short-term (until December 2019) development of the EOSC Portal, the parties will seek advice from relevant EOSC Working Groups<sup>1</sup>. Any issues that cannot be solved by the members of each Joint Activity will be escalated to the Executive Office for a final decision.

## **Article 5. Rights of Access to Background**

In case a Party or its Affiliated Entity requests Access Rights to Background Information, the granting of such Access Rights shall be at the discretion of the owning Party and subject to written agreement. Background is defined in Annex 2.

## **Article 6. Confidentiality**

All information in whatever form or mode of communication, which is disclosed by a Party (the “Disclosing Party”) to any other Party (the “Recipient”) in connection with the Joint Activity Plan during its implementation, and which has been explicitly marked as “confidential” at the time of disclosure, or when disclosed orally has been identified as confidential at the time of disclosure and has been confirmed and designated in writing within fifteen (15) calendar days from oral disclosure at the latest as confidential information by the Disclosing Party, is “Confidential Information”.

Confidential Information will neither be used, duplicated in whole or in part by the receiving Party for any purpose other than the implementation of this Agreement, unless there is an explicit written agreement permitting use agreed separately.

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<sup>1</sup> <https://www.eoscsecretariat.eu/eosc-working-groups>

Each Party shall take reasonable precautions to prevent disclosure of the other Parties' Confidential Information to other persons than those who have needed to know for the purpose of this Agreement and shall ensure that such persons shall be bound by the provisions of this Agreement. Any release of Confidential Information, when considered necessary, to any person other than the Parties shall be approved in writing by the disclosing Party.

Any Confidential Information disclosed by one Party to the other shall remain the property of the disclosing Party and the receiving Party shall upon request of the disclosing Party, or as soon as the purpose of disclosure is achieved, or in case of termination of this Agreement, either return any Confidential Information to the disclosing Party or certify in writing the disclosing Party that such Confidential Information has been destroyed.

The above obligations with respect to using Confidential Information are not applicable if the receiving Party can demonstrate:

- The information has come into public domain prior to, or after, the disclosure
- Was already in possession of the receiving Party without any obligation of confidentiality.
- Has been published without violation of this Collaboration Agreement.
- Is approved for release or use by written authorization of the disclosing Party.

## Article 7. Transfer and Licensing of Results

### (1) Transfer of ownership

Each Party may transfer ownership of its results. It must however ensure that its obligations under Articles 26.2, 26.4, 27, 28, 29, 30 and 31 of the Grant Agreements of the Grants participating in this Agreement, also apply to the new owner and that this owner has the obligation to pass them on in any subsequent transfer.

A Party that intends to transfer ownership of results must give at least 45 days advance notice (or less if agreed in writing) to the other Parties that still have (or still may request) access rights to the results. This notification must include sufficient information on the new owner to enable any Party concerned to assess the effects on its access rights.

Unless agreed otherwise (in writing) for specifically-identified third parties, any other Party may object within 30 days of receiving notification (or less if agreed in writing), if it can show that the transfer would adversely affect its access rights. In this case, the transfer may not take place until agreement has been reached between the beneficiaries concerned.

### (2) Granting licenses

Each Party may grant licences to its results (or otherwise give the right to exploit them), if:

(a) this does not impede the access rights under Article 31 of the Grant Agreements of the participating Grants, and

(b) not applicable.

In addition to Points (a) and (b), exclusive licences for results may be granted only if all the other Parties concerned have waived their access rights.

### (3) Right to object to transfers or licensing

The Commission may — up to four years after the termination of this Agreement — object to a transfer of ownership or the exclusive licensing of results, if:

- (a) it is to a third party established in a non-EU country not associated with Horizon 2020 and
- (b) the Commission considers that the transfer or licence is not in line with EU interests regarding competitiveness or is inconsistent with ethical principles or security considerations.

A party that intends to transfer ownership or grant an exclusive licence must formally notify the Commission before the intended transfer or licensing takes place and:

- identify the specific results concerned;
- describe in detail the new owner or licensee and the planned or potential exploitation of the results, and
- include a reasoned assessment of the likely impact of the transfer or licence on EU competitiveness and its consistency with ethical principles and security considerations.

The Commission may request additional information.

If the Commission decides to object to a transfer or exclusive licence, it must formally notify the beneficiary concerned within 60 days of receiving notification (or any additional information it has requested).

No transfer or licensing may take place in the following cases:

- pending the Commission decision, within the period set out above;
- if the Commission objects;
- until the conditions are complied with, if the Commission objection comes with conditions.

## Article 8. Access to Results

Results are defined in Annex 3.

### (1) Access Rights for Exploitation

Access Rights to Results if needed for Exploitation of a Party's own Results including for research on behalf of a third party shall be granted on Fair and Reasonable Conditions. A request for Access Rights may be made up to twelve months after the end of this Agreement.

### (2) Additional Access Rights

For the avoidance of doubt any grant of Access Rights not covered by the Grant Agreement or this Agreement shall be at the absolute discretion of the owning Party and subject to such terms and conditions as may be agreed between the owning and receiving Parties.



### (3) Access to Software

Access Rights to Software, which is Results shall comprise:

- The software code, tools and interfaces developed as part of this Agreement released as open source code will be provided via source code repositories such as, but not limited to GitHub or Source Forge.
- Access to the Object Code; and, where normal use of such an Object Code requires an Application Programming Interface (hereafter API), Access to the Object Code and such an API; and, if a Party can show that the execution of its tasks under this Agreement or the Exploitation of its own Results is technically or legally impossible without Access to the Source Code, Access to the Source Code to the extent necessary.

## Article 9. Non-Disclosure of Information

In the context of the Joint Activity Plan and the Grants, each Party will indicate the dissemination level of written outputs and Results, as follows:

- Public fully open (PU) or
- Confidential (CO) restricted under conditions, as described in the MGA, only available internally to a group of Recipients within the Complementary Grant consortia. Confidential deliverables, milestones and Results provide information about the Disclosing Party and the intended group of Recipients.

Release of CO written outputs and results, to parties other than the indicated group of Recipients, is upon request and requires the approval of the Executive Office and of the Disclosing Parties.

## Article 10. Dissemination and Publications

The Parties acknowledge their obligations taken by their Grant Agreements and by the Joint Activity Plan to disseminate their results, and the task to support and promote the coherent and coordinated dissemination of information on activities such as joint events and workshops.

The Parties shall support efforts by providing relevant inputs and ensuring attendance at events. No Party is allowed to publish or allow the publishing of the other Party's data that constitute Results, Background or Confidential Information unless the owner Party agrees to the publication.

## Article 11. Intellectual Property Rights

### Exploitation and Dissemination of Results

The Parties give each other — under fair and reasonable conditions — access to the Results of this Agreement needed for exploiting their own results.

### Ownership of Results

Results are owned by the Parties that generate them as defined in Annex 3.

### Copyright

Results of the Joint Activity Plan like software, documentation and interoperability guidelines, will be released under the following copyright note:

“This material is licensed under a [Creative Commons Attribution 4.0 International License](#) by <list of owning Parties>.

Acknowledgement should be visible at the portals and source code public repositories:

“The <name of the Result> is provided by <name of the providing Party>, and co-funded by <list of the funding Parties or Grants>.”

### Software

In order to comply with the open access policy and maximise possibility for reuse of results, software code, tools and interfaces developed in the Joint Activity Plan of this Agreement will be published under Apache Software License 2.0 or other OSI compliant license.

## Article 12. Funding

Each Party shall bear the costs of discharging its respective responsibilities under this Agreement, including travel and subsistence of its own personnel and transportation of goods and equipment and associated documentation, unless otherwise defined in this Agreement.

The Parties' obligations hereunder are subject to their respective funding procedures and the availability of appropriated funds. Should either Party encounter budgetary problems in the course of its respective internal procedures that may affect the activities carried out under this Agreement, the Party shall notify and consult with the other Party in a timely manner in order to

minimise the negative impact of such problems on the cooperation. The Parties shall jointly look for mutually agreeable solutions.

In order to reduce the impact on travel costs, face-to-face meetings should be co-located with other events where participants are likely to attend. Meeting via teleconferences should be considered when the nature of the discussion does not strictly require a face-to-face presence.

## Article 13. Liability, Warranties and Penalties

Each Party agrees to a cross waiver of liability pursuant to which each Party waives all claims and shall take no recourse against the other Party, or the other Party's employees based on damage arising out of the implementation of this Agreement.

This waiver of liability shall not be applicable to:

- Claims for damage caused by willful misconduct or gross negligence.
- Intellectual property claims.

Subject to the specific undertakings provided by this Agreement, each Party shall be solely liable for any loss, damage or injury to third parties under this Agreement.

## Article 14. Annexes

Annexes are an integral part of the Agreement. Rights and obligations accepted by the Parties, are applicable to them.

Annexes are amended following the provisions of Article 16.

## Article 15. Language

The language for this Agreement, its interpretation and all cooperative activities foreseen for its implementation, is English.

## Article 16. Amendments

All amendments or changes of this Agreement shall be valid only if made in writing and signed by an authorised signatory of each of the Parties.

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## Article 17. Applicable Law and Settlement of Disputes

Given the scope of the collaboration, we do not foresee any areas of structural dispute. However, any dispute, controversy or claim arising under, out of or relating to this Agreement and any subsequent amendments of this Agreement, including, without limitation, its formation, validity, binding effect, interpretation, performance, breach or termination, as well as non-contractual claims, shall be submitted to mediation in accordance with the WIPO Mediation Rules. The place of mediation shall be Brussels unless otherwise agreed upon. The language to be used in the mediation shall be English unless otherwise agreed upon. The Parties undertake not to put an end to the mediation before the introductory statement made by each Party in joint session.

Should the mediation fail to bring about a full agreement between the Parties putting an end to the dispute, the courts of Brussels shall have exclusive jurisdiction, except for any disputes involving intergovernmental organisations.

Should the dispute involve an intergovernmental organization, the Parties shall resolve the dispute, upon the filing of a Request for Arbitration by either Party, be referred to and finally determined by arbitration in accordance with the WIPO Expedited Arbitration Rules. The place of arbitration shall be Brussels unless otherwise agreed upon. The language to be used in the arbitral proceedings shall be English unless otherwise agreed upon. The award of the arbitration will be final and binding upon the Parties. The enforcement of the award of such arbitration shall be governed in accordance with the rules in force in the State in which it is to be executed.

## Article 18. Entry into Force, Term, Termination

This Agreement entered into force on 01 April 2019 and shall remain in force until completion of the activities identified in the Joint Activity Plan or earlier depending on the date of commencement of the INFRAEOSC-06 Grant Agreement. The agreement can be terminated upon three (3) months prior written notice by one Party to the other. In the event of termination, the parties shall endeavour to reach agreement on terms and conditions to minimise negative impacts on the other Party. In the event of the continuation of the present cooperation, the Agreement may be extended and/or amended by mutual agreement in writing.

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IN WITNESS WHEREOF, the Parties have caused their duly authorised representatives to sign this Agreement, in the English language. The following agree to the terms and conditions of this Agreement:

## SIGNATURES

### For the EOSC-hub Coordinator

DocuSigned by:  
  
75448E6343364B1...  
Sep 10, 2019 | 17:15 CEST  
Yannick Legre

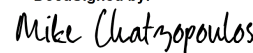
Managing Director,  
EGI Foundation

### For the elnfraCentral Coordinator

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Alasdair Reid


Managing Director,  
EFIS Centre

### For the OpenAIRE-Advance Coordinator

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Sep 12, 2019 | 02:45 PDT  
(Prof. Michael Chatzopoulos)


Professor,  
University of Athens)

### For EFIS

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Sep 11, 2019 | 10:21 CEST  
Alasdair Reid

Managing Director,  
EFIS Centre

### For JNP

DocuSigned by:  
  
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Sep 10, 2019 | 18:30 CEST  
Dr. Jorge-A. Sanchez-P.

Founding Partner,  
JNP

### For UoA

DocuSigned by:  
  
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Sep 12, 2019 | 02:45 PDT  
Prof. Michael Chatzopoulos.

Professor,  
University of Athens

# Annex 1. Joint Activity Plan

Acronyms of Parties involved in the Joint Activity Plan are defined in Annex 4.

## Joint Activity 1: Operations

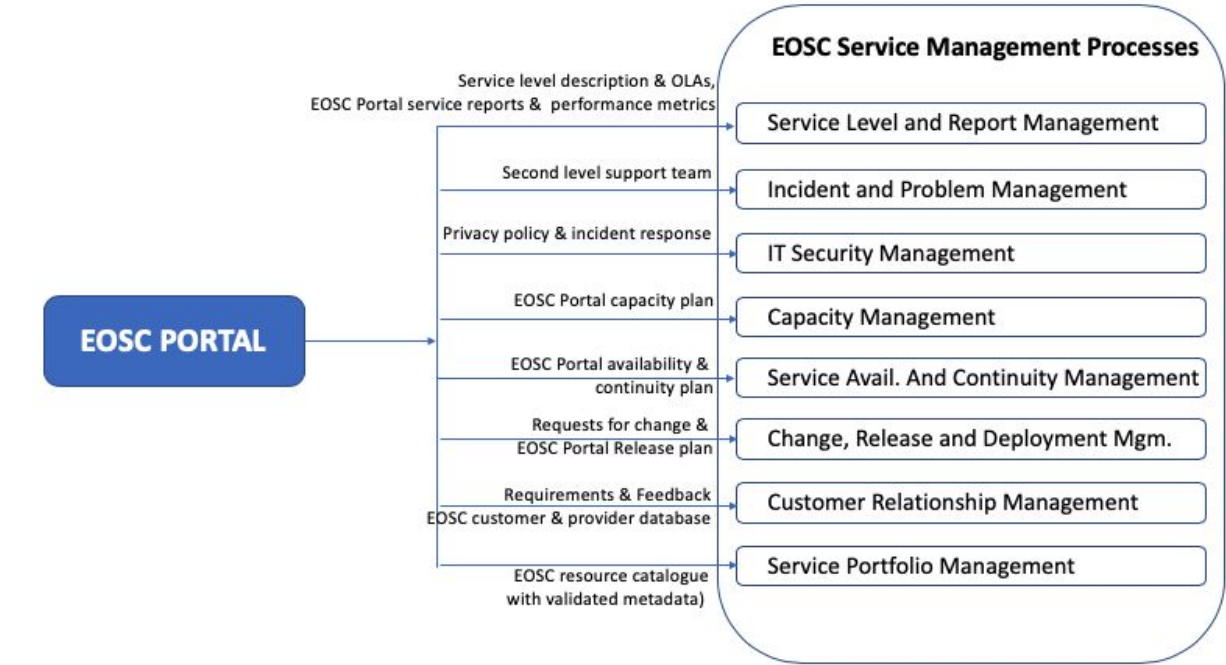
**Task Duration: from April to December 2019**

Purpose of this task is to ensure the daily running of the EOSC Portal technical platforms.

Parties will be responsible for operating the technical components of the EOSC Portal, contributing to the EOSC Portal releases, producing the related documentation, and validating EOSC Portal software release candidates with users and providers.

The EOSC Portal will be operated following the procedures and policies of the EOSC Service Management System (SMS)<sup>2</sup> being developed by EOSC-hub, and, whenever relevant, follow other service integration and management policies and procedures applicable to access enabling services, such as service level management, reporting and policies activities.

The relationship between EOSC Portal operations and the EOSC SMS processes is represented in Figure 1 below.



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<https://www.slideshare.net/TheEOSChubproject/introduction-to-service-management-and-fitsm-14478011>  
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Figure 1. The EOSC SMS will provide a framework of processes, procedures, policies and tools defining the way is the EOSC Portal service is managed<sup>3</sup>. The diagram shows the activities involved in its responsibilities. The table below details the activities, the participating organisations and the committed effort for each activity.

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<sup>3</sup> IT Service Management refers to “he entirety of activities performed by service providers to plan, deliver, operate and control services offered to customers. These activities are directed by policies and are structured and organised by processes and procedures.”

**JA1 Tasks and Responsibilities**

Tasks	Committed PMs Apr-Dec 2019		
	EOSC-hub	OpenAIRE-Advance	eInfraCentral <sup>4</sup>
> Running of the EOSC Portal technical platform and Users support - hosting of the service, HA configuration, daily running of the service > Testing and deployment of software updates  <u>Lead:</u> CYFRONET Roksana Dobrzańska <ymrozans@cyfronet.pl>	2 PM CYFRONET GRNET (WP13)	-	2 PM UOA (WP4)
> First level support (EOSC-hub helpdesk support unit)	1 PM CYFRONET (WP13)	1PM (ARC, CNR)	
> Expert support to Users and Providers for what concerns the technical aspects involved in the day-by-day use of the EOSC Portal <u>Lead:</u> CYFRONET Roksana Dobrzańska <ymrozans@cyfronet.pl>	1 PM CYFRONET (WP5 & WP13)	-	0.5 PM UOA (WP4)
> Definition and maintenance of SLA and OLAs, performance reports, data privacy policy, monitoring of Portal components > Definition service availability and continuity plans, impact of identified availability and continuity risks, and by monitoring the EOSC Portal service components. > Gathering of usage metrics and reporting <u>Lead:</u> EGI.eu (EOSC-hub WP04) Matthew Viljoen <matthew.viljoen@egi.eu>	0.5 PM EGI.eu (WP4)	0.5 PM (ARC - data privacy)	0.5 PM UOA (WP4)
> Order management and customer relationship management <u>Lead:</u> CINECA Debora TESTI <d.testi@cineca.it>	6 PM EGI.eu, CINECA, MPG, VUB (WP4)	-	-
> Provider onboarding: review of high-level information and support; validation of compliance to rules of participation and partnership level requirements	3 PM EGI.eu, INFN, CINES,	0.5 PM (Compliance to ROP ARC, UGOE)	1.5 PM JNP, UOA (WP3 & WP4)

<sup>4</sup> Contacts: dev-support@einfracentral.eu and eic@jnp.gr



> Resource registration: review and assess the resource metadata and resource description > Assessment of availability of the Resource; regular review and update of the validation procedure > APIs for automatic registration\update of resources <u>Lead:</u> EGI Foundation Matthew Viljoen <matthew.viljoen@egi.eu>	EPCC, SURFsara (WP2 & WP4)		
> Development/Maintenance of Service Provider documentation describing the EOSC Portal Service Catalogue, the onboarding process, requirements, responsibilities and validation criteria. <u>Lead:</u> EGI Foundation Matthew Viljoen <matthew.viljoen@egi.eu> and Mark van de Sanden <mark.vandesanden@surfsara.nl>	1 PM EGI.eu (WP2 and WP4)	0.5 PM ARC, UGOE (Communication)	0.5 PM JNP, EFIS (WP3)
<b>TOTAL</b>	<b>14.5 PM</b>	<b>2.5 PM</b>	<b>6.5 PM</b>

## Joint Activity 2: Interoperability Framework

Purpose of this task is to offer two updates of the EOSC Portal Interoperability Framework that includes the EOSC Portal Catalogue Framework (ECF) and the Open Application Programming Interfaces (APIs).

Interoperability Framework	Committed PMs April-December 2019		
	EOSC-hub	OpenAIRE-Advance	eInfraCentral
EOSC Portal Catalogue Framework Update to SDT v2.0 and EOSC Portal glossary <u>Lead:</u> JNP Jorge Sanchez <j.sanchez@jnp.gr>	0,5 PM EGI.eu, SURFsara (WP2)	0,5 PM CNR, ARC (TBD)	1 PM JNP (WP3)
EOSC Portal Application Programming Interfaces Update to APIs v2.0 <u>Lead:</u> UoA, George Papastefanatos <gpapaste@di.uoa.gr>	1 PM GRNET (0.5), CYFRONET (0.5) (WP5)	-	2 PM UOA (WP4)
Accounting, Monitoring, Support and Order Mgm interoperability guidelines <u>Lead:</u> KIT Pavel Weber <pavel.weber@kit.edu>	0.5 PM EGI.eu, KIT (WP5)	-	-
EOSC scientific product catalogue framework: a	1 PM EGI.eu	5 PM	0.5 PM

concept paper describing the business proposition of EOSC towards the inclusion of scientific product catalogues and scientific product data sources (e.g. data repos, software repos, etc); aspects are participation rules as. EOSC guidelines to identify quality services (e.g. towards FAIR data, FAIR science), alignment with OpenAIRE guidelines for content providers, and providing an implementation roadmap. The paper will provide input to the RoP. Lead: Paolo Manghi < <a href="mailto:paolo.manghi@isti.cnr.it">paolo.manghi@isti.cnr.it</a> > OpenAIRE/CNR	and SURFsara (Lead: Mark van de Sanden < <a href="mailto:mark.vandesanden@surfsara.nl">mark.vandesanden@surfsara.nl</a> > )	CNR, ARC, UNIBI	EFIS, JNP
<b>TOTAL</b>	<b>3.0 PM</b>	<b>5.5 PM</b>	<b>3.5 PM</b>

## Joint Activity 3: Technical Integration

**Duration: from April to December 2019**

The objectives of this activity are to:

- Define and develop a single portal (WUI) and entry point (API interface) for Service Providers to register and maintain service descriptions.
- Define and develop a single portal and entry point for the discovery of scientific products across different disciplines and research infrastructures (EOSC scientific product catalogues framework)
- Optimise the integration of the current EOSC Portal, Service Catalogue and Marketplace to improve the user experience from a user point of view.

### JA3 Tasks and Responsibilities

Tasks	Committed PMs Apr-Dec 2019		
	EOSC-hub	OpenAIRE-Advance	eInfraCentral
> Define an integrated EOSC portal technical implementation architecture (in sync with potential guides from the EOSC Architecture group). Output: EOSC Portal architecture documentation  > Define and further develop a single portal (WUI) and entry point (API interface) for	10.5 PM Cyfronet (9), GRNET (1), Trust-IT (0.5) (WP3, WP5)	0.5 PM ARC, CNR (requirements and assessment)	4 PM UOA (WP4)

<p>Service Providers to register and maintain service descriptions. Output: software releases &lt;add timeline&gt;</p> <p>&gt; Define and/or further develop a single Service Database and the appropriate data APIs in which the service descriptions are maintained. Output: software releases (October 2019)</p> <p>&gt; Deliver the interconnection between the Service Database and the Portal User Interface. Output: component integration</p> <p><u>Lead</u>: CYFRONET Tomasz Szepleniec &lt;<a href="mailto:t.szepleniec@cyfronet.pl">t.szepleniec@cyfronet.pl</a>&gt; and UOA George Papastefanatos <a href="mailto:gpapaste@di.uoa.gr">gpapaste@di.uoa.gr</a></p>			
<p>Optimise the integration of the current EOSC Portal, Service Catalogue and Marketplace and the APIs to improve the user experience from a user point of view.</p> <p><u>Lead</u>: CYFRONET Tomasz Szepleniec &lt;<a href="mailto:t.szepleniec@cyfronet.pl">t.szepleniec@cyfronet.pl</a>&gt; and UOA George Papastefanatos <a href="mailto:gpapaste@di.uoa.gr">gpapaste@di.uoa.gr</a></p>	3.5 PM Cyfronet (3), Trust-IT (0.5) (WP5, WP3)	1PM ARC, UGOE (user experience)	1 PM UOA (WP4)
<p>Extensions \ Refinement to the AAI service of the EOSC Portal. Output: software releases &lt;add timeline&gt;</p> <p><u>Lead</u>: Nicolas Liampotis &lt;<a href="mailto:nlam@grnet.gr">nlam@grnet.gr</a>&gt;</p>	1 PM GRNET, Trust-IT (WP5)		0.5 PM UOA (WP4)
<b>TOTAL</b>	<b>15 PM</b>	<b>1.5PM</b>	<b>5,5PM</b>

## Joint Activity 4: Content Provisioning

**Duration: from April to December 2019**

The objectives of this activity are to:

- Develop and influence an engaged community of stakeholders already active and known as well as far-reaching to those who belong to the long-tail of science and to potential newcomers.
- Contribute and maintain information in the EOSC Portal website throughout with input from all Parties, in line with the requirements of both users and providers.

### JA4 Tasks and Responsibilities

Tasks	Committed PMs Apr-Dec 2019		
	EOSC-hub	OpenAIRE-Advance	eInfraCentral
EOSC Portal editorial board participation: EOSC Portal website content creation and update, <u>Lead:</u> EGI.eu sara < <a href="mailto:sara.coelho@egi.eu">sara.coelho@egi.eu</a> >, TRUST-IT Sara Garavelli < <a href="mailto:s.garavelli@trust-itservices.com">s.garavelli@trust-itservices.com</a> > and Najla Rettberg (UGOE)	1 PM TRUST-IT, EGI.eu (WP3)	1 PM (UGOE, ARC)	1 PM EFIS (WP5)
Communication campaign to attract new service providers and users	0.5 PM TRUST-IT, EGI.eu (WP3)	0.5 PM UGOE, ARC	0.5 PM EFIS, JNP (WP2)
Communication campaign to promote the different services and resources available on the EOSC Portal <u>Lead:</u> EGI.eu sara < <a href="mailto:sara.coelho@egi.eu">sara.coelho@egi.eu</a> > and TRUST-IT Sara Garavelli < <a href="mailto:s.garavelli@trust-itservices.com">s.garavelli@trust-itservices.com</a> >	0.5 PM TRUST-IT, EGI.eu (WP3)	0.5 PM UGOE, ARC	
Creation of use cases on the EOSC Services from the participating projects <u>Lead:</u> EGI.eu sara < <a href="mailto:sara.coelho@egi.eu">sara.coelho@egi.eu</a> > and TRUST-IT Sara Garavelli < <a href="mailto:s.garavelli@trust-itservices.com">s.garavelli@trust-itservices.com</a> >	0.5 PM TRUST-IT, EGI.eu (WP3)	0.5 PM CNR, UMINHO	
<b>TOTAL</b>	<b>2.5 PM</b>	<b>1.5 PM (TBD)</b>	<b>1.5 PM</b>

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## Annex 2. Background

Background	Generating Party and % of Ownership <sup>5</sup>	Joint Activity JA1: Operations JA2: Interoperability JA3: Technical Integration JA4: Content Provisioning	Protection <sup>6</sup>
Marketplace software <a href="https://github.com/cyfronet-fid/marketplace">https://github.com/cyfronet-fid/marketplace</a>	CYFRONET (85%) and EGI Foundation (15%)	JA3	GNU General Public License
Marketplace IT infrastructure	CYFRONET (100%)	JA1	Not applicable
eInfraCentral Catalogue software <a href="https://github.com/eInfraCentral/eic">https://github.com/eInfraCentral/eic</a>	UoA	JA3	Apache 2.0 License
eInfraCentral APIs specifications	UoA (80%), JNP (20%)	JA3	Creative Commons Attribution 4.0
eInfraCentral IT infrastructure	UoA	JA3	Not applicable
EOSC Portal domain name Dissemination date: Nov 2018	EFIS (100%)	JA1	Contract with register
Drupal <a href="https://eosc-portal.eu/">https://eosc-portal.eu/</a>	CYFRONET (100%)	JA1	Not applicable
Website content <a href="https://eosc-portal.eu/">https://eosc-portal.eu/</a>	TRUST-IT (20%), EGI.eu (20%), UGOE (20%), ARC (20%), EFIS (20%)	JA4	Possible copyright protection and potential sui generis database right <sup>7</sup>

<sup>5</sup> See Annex 4 for the party acronyms.

<sup>6</sup> Protection is defined as per ARTICLE 27 of participating project Grant Agreements.

<sup>7</sup>

<http://www.iprhelpdesk.eu/sites/default/files/newsdocuments/CS-Taking-steps-to-the-protection-of-databases.pdf>

EOSC Logo	EFIS (100%)	JA4	Copyright. Possible trademark for the EOSC (acronym), European Open Science cloud (name) and logo
SDT <a href="https://github.com/eInfraCentral/docs">https://github.com/eInfraCentral/docs</a>	JNP (60%), EGI.eu (10%), GEANT (10%), SURFsara (10%), UoA (10%),	JA3	Creative Commons Attribution 4.0
Resource/Service/Assets Classifications	JNP (55%), EGI.eu (15%), SurfSARA (15%), UoA (15%)	JA2	Creative Commons Attribution 4.0
eInfraCentral Service metadata <a href="https://catalogue.eosc-portal.eu/">https://catalogue.eosc-portal.eu/</a>	JNP (50%), UoA (50%)	JA1	Possible copyright protection and potential sui generis database right
Marketplace Service metadata <a href="https://marketplace.eosc-portal.eu/">https://marketplace.eosc-portal.eu/</a>	CYFRONET (100%)	JA1	Possible copyright protection and potential sui generis database right
Service Management System (Service Portfolio Management, Order Management)	CINECA (15%), EGI.eu (30%), INFN (15%), CINES (15%), MPG (15%), VUB (15%)	JA1	Creative Commons Attribution 4.0
Helpdesk <a href="https://helpdesk.eosc-hub.eu/">https://helpdesk.eosc-hub.eu/</a>	KIT (100%)	JA1	Not applicable
1st level support team (initial support to users and service providers)	CINECA (10%), JNP (20%), EGI.eu (30%), INFN (10%), CINES (10%), MPG (10%), VUB (10%)	JA1	Not applicable
2nd level support team (technical support about online platform)	CYFRONET, UoA	JA1	Not applicable
EOSC Portal AAI	GRNET (85%), EGI.eu	JA3	Not applicable

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<a href="https://eossc-portal.eu/login">https://eossc-portal.eu/login</a>	(15%)		
AGORA Software <a href="https://github.com/grnet/agora-sp-admin">https://github.com/grnet/agora-sp-admin</a>	GRNET (100%)	JA3	Apache Software License 2.0
Monitoring IT infrastructure <a href="https://github.com/ARGOEU/ARGO">https://github.com/ARGOEU/ARGO</a>	GRNET (30%), SRCE (27%), CNRS (27%), EGI.eu (16%)	JA1	Apache Software License 2.0
Accounting IT infrastructure <a href="https://github.com/apel">https://github.com/apel</a>	CESGA (42.5%), STFC (42.5%), EGI.eu (15%)	JA1	Apache Software License 2.0

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## Annex 3. Results

Result / Dissemination	Generating Party and % of Ownership <sup>8</sup>	Protection
EOSC Portal interoperability guidelines, documentation, EOSC portal glossary and architecture Dissemination: QR3-4 2019	ARC (16,66%), CNR (16,66%), EGI.eu (16,67%), JNP (16,67%), SURFsara (16,67%), UoA (16,67%)	Creative Commons Attribution 4.0
EOSC Portal Website design, EOSC portal brand, content and service metadata Dissemination date: QR2 2019. Result is continually updated during the collaboration	TRUST-IT (14,32%), EGI.eu (14,28%), UGOE (14,28%), ARC (14,28%), EFIS (14,28%), JNP (14,28%), UoA (14,28%)	Copyright (visual identity of website), and possible trademark for the EOSC (acronym), European Open Science cloud (name) and logo
EOSC Portal domain name Dissemination date: Nov 2018	EFIS (100%)	Contract with register
EOSC Portal service Dissemination date: QR2 2019. Result is continually updated during the collaboration	CYFRONET (50%), UoA (50%)	Not applicable
EOSC Portal software Dissemination date: QR4 2019	CYFRONET (50%), UoA (50%)	OSI compliant license

The Results table will be reviewed and updated continuously as necessary, with the final version to be agreed upon one month prior to the termination of the Agreement.

<sup>8</sup> See Annex 4 for the party acronyms.



## Annex 4. Party Acronyms

ARC	Athena Research and Innovation Centre
CESGA	Centro de Supercomputación de la Galicia
CINECA	Cineca Consorzio Interuniversitario
CINES	National Computing Center for Higher Education - CINES
CNR	Consiglio Nazionale delle Ricerche
CNRS	Centre national de la recherche scientifique
CYFRONET	ACK Cyfronet AGH
EGI.eu	EGI Foundation
EFIS	EFIS Centre
GÉANT	GÉANT Association
GRNET	Gnet
INFN	Istituto Nazionale di Fisica Nucleare
KIT	Karlsruhe Institute of Technology
JNP	JNP Strategy and Management Consulting PCC
MPG	Max Planck Society
SRCE	Sveučilišni računski centar
STFC	Science and Technology Facilities Council
SURFSara	SURFSara, Netherlands
TRUST-IT	Trust-IT Services Ltd.
UGOE	Georg-August University of Göttingen
UoA	National and Kapodistrian University of Athens
VUB	Vrije Universiteit Brussel

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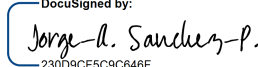
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Mike Chatzopoulos

mike@di.uoa.gr

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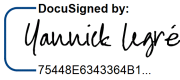
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PDF Reader:	Acrobat® or similar software may be required to view and print PDF files
Screen Resolution:	800 x 600 minimum

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