Why are Public Authorities not (yet) a relevant user group for EOSC and what can we do to foster it (17:00-18:00)

Agenda

- Background and brief introduction, Fotis Karayannis, EGI Foundation
- Projects case studies & key findings
 - The DECIDO approach, Xavier Salazar, EGI Foundation
 - Skills4EOSC project and activities in the public sector, Emma Lazzeri, GARR
- The DECIDO EOSC Competence Centre on public authorities, Xavier Salazar, EGI Foundation
- View points from related stakeholders and discussion, All





BACKGROUND & INTRODUCTION

Author(s): Fotis Karayannis

Affiliation: EGI Foundation

Event: EOSC Symposium 2023 – Why are Public Authorities not (yet) a relevant user group for EOSC and what can we do to foster it

Date: 21-09-2023



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Background - EOSC Focus on Research

EOSC is currently focusing on Research! This is already complex and there is rather slow progress.

During the HE EOSC Projects Coordination meeting, 15-16 June in Brussels, EOSC-A president Karel Luyben stated:

The initial plan was to expand to the public/private sector in 2023-2024,

but there is a delay, for only after the EOSC EU node (coming out of the EOSC procurement) is in place (~mid-end 2024?)

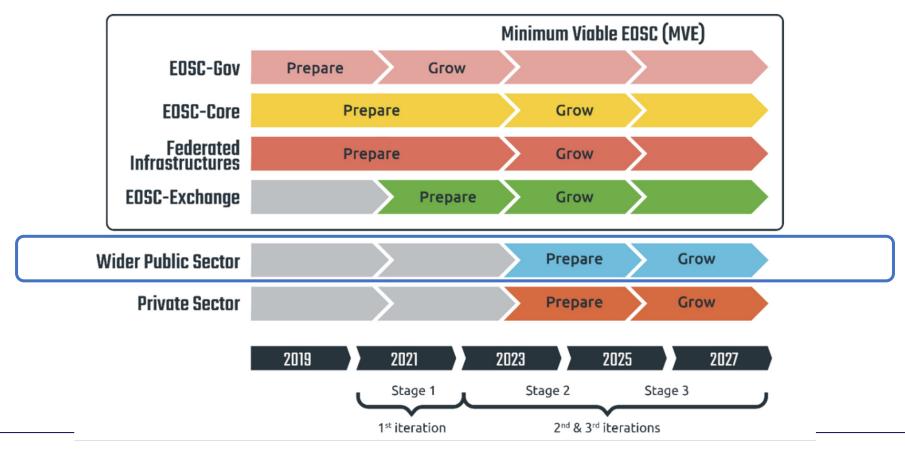
Note: And this makes sense as public sector bodies may ask about operational services, SLAs, prices..





Initial EOSC SRIA plan for expansion to public sector

EOSC Strategic Research and Innovation Agenda v1.1, Nov'22



EOSC SRIA Multi-Annual Roadmap (MAR) draft

MAR 2025-2027

"Use cases from the public sector, citizen science and industry should be encouraged in the next period in parallel to the research sector. Also use cases running at national or regional level are interesting. Emphasis should be to support uptake (2025)".

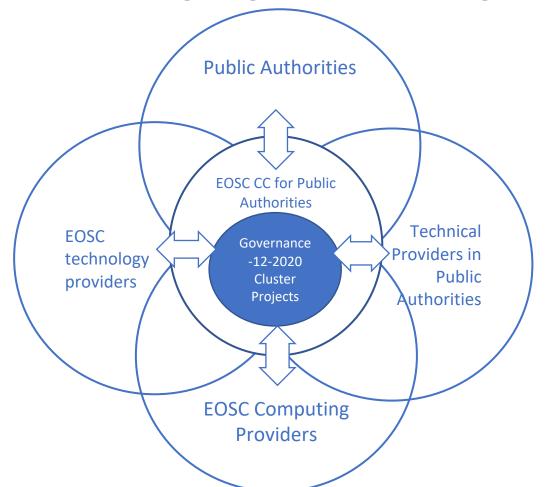
DECIDO views

- EOSC must demonstrate value and impact relevant and meaningful to the diverse groups belonging to broader public sectors.
- EOSC will need to be expanded with **not just additional services but also with dedicated consultancy** to address the needs and requirements of end-users





Main Stakeholders around EOSC+Public Sector and value proposition for public sector



Public Authorities and Technical Partners: Fine tuned consultancy and easy access to computing resources, data and services

Providers: Potential headway into previously untapped market segment.

EOSC related entities: Easy access to early adopters for testing and requirement gathering and whose endorsement offers the required reassurance for other consumers in EOSC.

DECIDO and governance-12-2020 cluster project: Additional avenue for exploiting and sustaining the services and results developed by the projects





But what is public sector?

Research is also mostly funded by the public sector!

But with public sector we usually refer to local, national or regional authorities in the countries, e.g. municipalities, prefectures, etc.

Still, in the answer from EOSC-A in the Brussels coordination meeting, Karel referred to "governmental institutions producing big amounts of data, such as weather institutions, statistics institutions, social science ones..:

Looking into definitions/types of governments:

Central Governments, State/Provincial Govs, Local govs/municipalities, public education, healthcare, Defense/Security, Regulatory agencies, and many more

Each of these has considerable markets, but probably EOSC may be more attractive for smaller municipalities? And beyond?





Audience, who are you?

Do we have anyone from public sector organisations (excluding research sector)?

Quick round the room introductions?



Agenda for today

Still not much focus in EOSC+Public Sector, besides some few projects like the ones which will be presented:

- Projects case studies & key findings
 - The DECIDO approach, Xavier Salazar, EGI Foundation
 - Skills4EOSC project and activities in the public sector, Emma Lazzeri, GARR
- The DECIDO EOSC Competence Centre on public authorities, Xavier Salazar, EGI Foundation
- · View points from related stakeholders and discussion, All





THE DECIDO APPROACH – CASE STUDIES AND KEY FINDINGS

Author(s): Xavier Salazar Forn

Affiliation: EGI Foundation

Event: EOSC Symposium 2023 – Why are Public Authorities not (yet) a relevant user group for EOSC and what can we do to foster it

Date: 21-09-2023



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DECIDO at glance

Title

evi**DE**nce and Cloud for more Informe**D** and effective p**O**licies



Topic

DT GOVERNANC E 12-2020

Innovation Action

Duration

36 months
Start Date
1st March 2021



Costs

EUR 4,327,255



Consortium

14 PARTNERS



Key Words

#cloud #evidencebased #policy-making #EOSC #co-creation



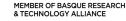




Consortium as whole































14 Partners:

• PA: KAJ, CTO

• **LE**: ENG

• Consulting: EY

- Research & Academia: FOKUS, KPRF, KAMK, NTUA, TECNALIA
- NGO: EGI, LC, Vol.TO, SCN, Ibercivis

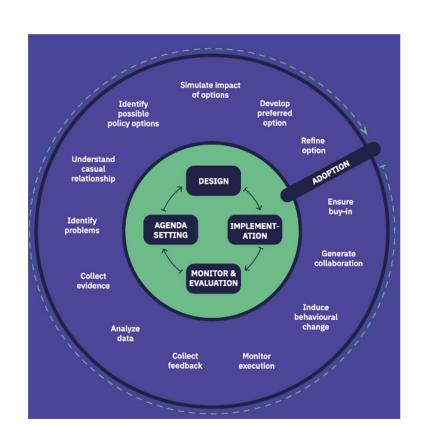
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|---------------------------------|-----|----------|----|-------|------|-----|------|------|-----|----------------------|-------|----|--------|---------|
| POLICY MAKING | | | X | X | | X | X | | X | X | | | X | X |
| EVIDENCE-BASED POLICY MAKING | | | X | X | | X | X | | X | X | | | | x |
| Data Analytics | X | X | | X | | | X | X | | | X | | | |
| BIG DATA | X | X | | X | | | | X | | | X | | | |
| CLOUD | X | X | | X | | | | X | | | X | | | |
| ICT | X | X | | X | | | X | X | | | X | | | |
| ETHICS/LEGAL | X | | | | X | | | | | | X | | | |
| Stakeholder Engagement | | X | X | | X | X | | | X | X | | | X | X |
| Business | X | | | | | | | | | | | X | | |
| DISSEMINATION& COMMUNICATION | X | X | X | | X | | | | | X | | X | | X |
| Transfer & Exploitation | X | X | X | X | X | | | X | | | X | | | |
| EOSC SERVICES | | | | | | | | | | | X | | | |





Background

Policy making is the process of creating and monitoring policies to solve societal challenges. In this respect, it is often conceptualized as a policy cycle, consisting of several different phases, such as agenda setting, policy formulation, policy implementation & monitor and policy evaluation.







Needs in the policymaking



Citizens are called to take an active role in public services definition and implementation through co-production and co-creation

Evidence&data-based approaches are strongly recommended to take informed design decisions affecting the policies







Scope of the project



Support the **policy makers** along with citizens, organisations, businesses, public authorities to create/improve **better policies**, exploiting the **power of data**.

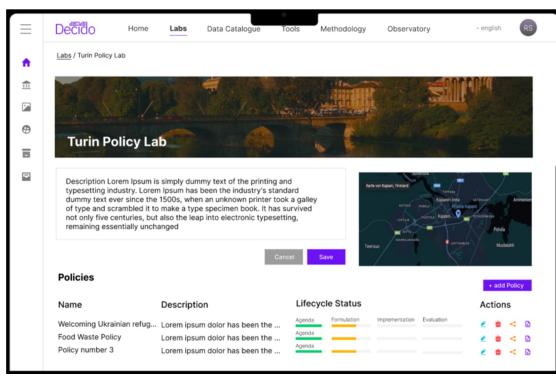


All these actors will use **DECIDO Digital Services** to be facilitated in the **co-creation activities**, in each phase of the **Policy Life Cycle (PLC)**.



Pillars of DECIDO





The Co-creation PLC methodology

DECIDO Portal





Pilots in a nutshell



Kajaani, Finland Forest fire

Increasing threat of forest fires

How to identify and map resources

Review of current procedures across the departments of Kajaani City

Torino, Italy



Floods Food waste

Refugees from Ukraine



Improve design of emergency policies related to the above-mentioned issues

Greek Municipalities Power Outage

Power outage management of public infrastructure and cultural assets on the island of Halki via emergency response mechanisms





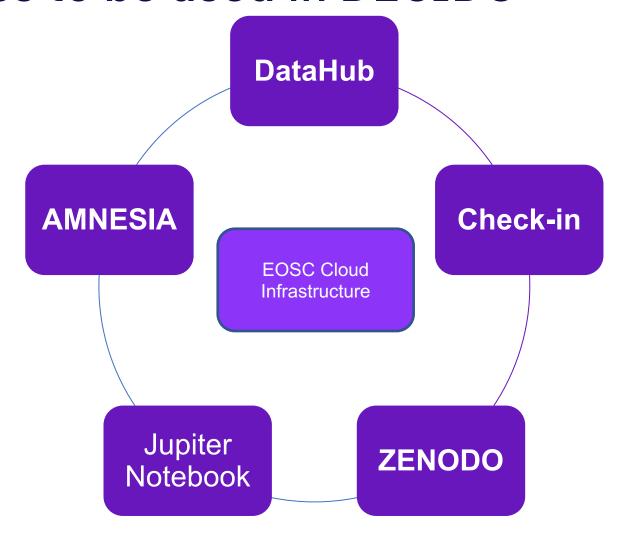
Aragon Region, Spain *Wildfires*

Improve the design of emergency policies related to wildfires and management of emergency situations





EOSC services to be used in **DECIDO**

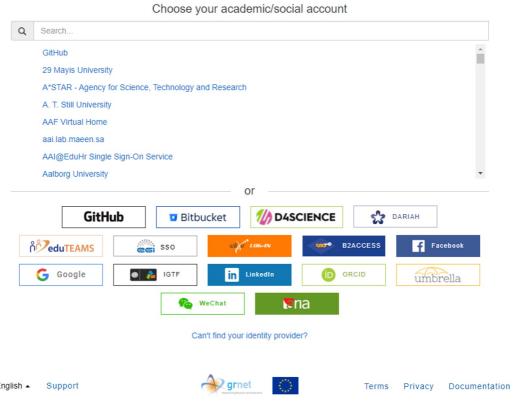






Feedback on EGI services from User Experience side





EGI Check-in

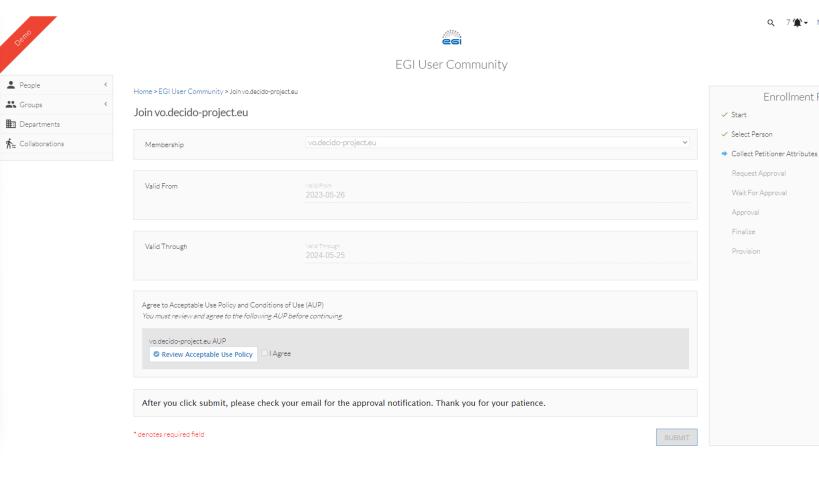
- Provides multiple authentication sources
- Easy to use authentication
- Lacks the ability to personalize the look and feel to the service it's integrated in

Copyright ©2016-2023 | Check-in is an EGI service provided by GRNET, receiving funding from the EGI Foundation (EGI.eu) and the EGI-ACE project (Horizon 2020) under Grant number 101017567 | Powered by RCIAM





Feedback on EGI services from User Experience side





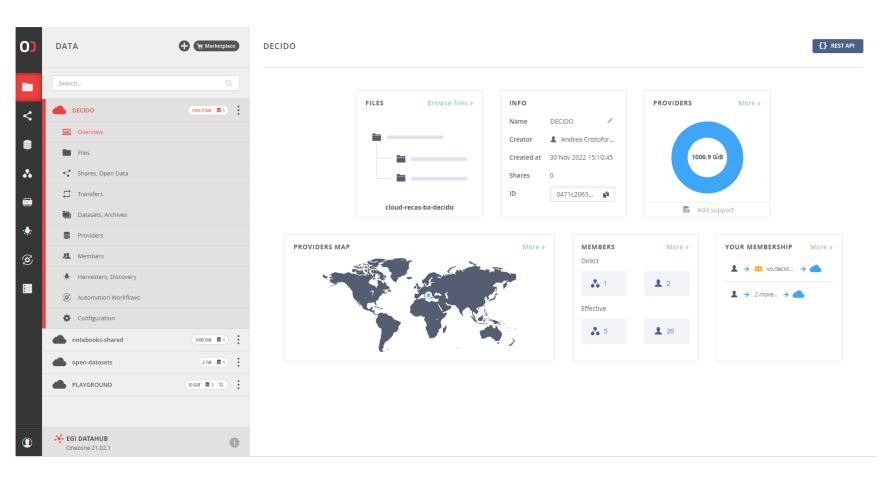
Enrollment Flow

- Uses a straightforward wizard that collects data from the user Can be complicated for the not technical savvy user because of the number of required steps
- Can be time consuming (from filling in the data to waiting for the admin approval)





Feedback on EGI services from User Experience side



DataHub

- Provides a centralized portal to store data
- Integration with Check-in provides single sign in for the user
- Contains complicated elements that can discourage the user





Feedback on EGI services from Programming side



Q Search...

For Providers

- ▶ Joining EGI as a provider
- ▼ Check-in

 Identity Providers

,

Service Providers

- Cloud Compute
- Notebooks
- ▶ High-Throughput Compute
- DataHub
- Online Storage
- Operations manuals and How-Tos
- Regional Operator on Duty (ROD)

For Providers / Check-in / Service Providers

Service Providers

Check-in guide for Service Providers

This page contains information about connecting services to EGI Check-in in order to allow user login through Check-in and to receive users' attributes. Check-in is connected to a wide range of academic and social Identity Providers that users can choose from in order to access your service.

Services eligible for integration

EGI Operations, as owner of the Check-in service, must approve every request for integration of new services with Check-in. The approval (or non-approval) is based on some prerequisites, the relevance of the service for the EGI community and the available resources to support the integration. The prerequisites are described in the following sections.

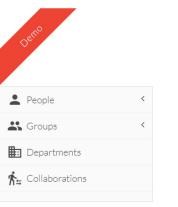
EGI at any time can prevent a service provider to access the Check-in service

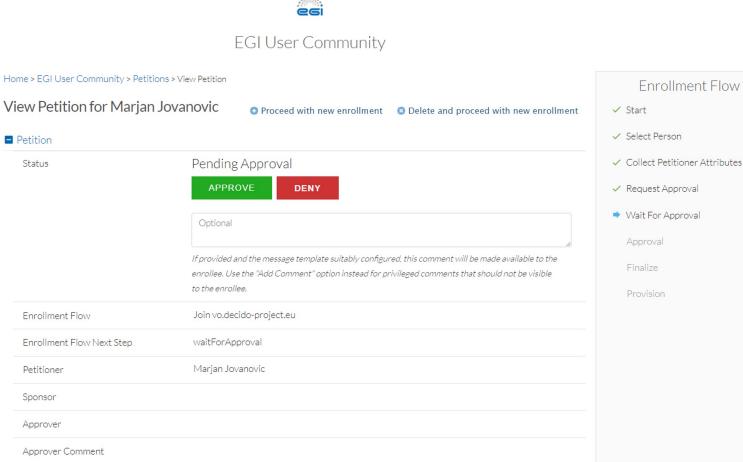
- Developers are provided with clear and concise documentation
- Service integration is straightforward
- It would be helpful to include more detailed examples, stepby-step tutorials and code snippets to illustrate usage scenarios





Feedback on EGI services from Programming side





Enrolment

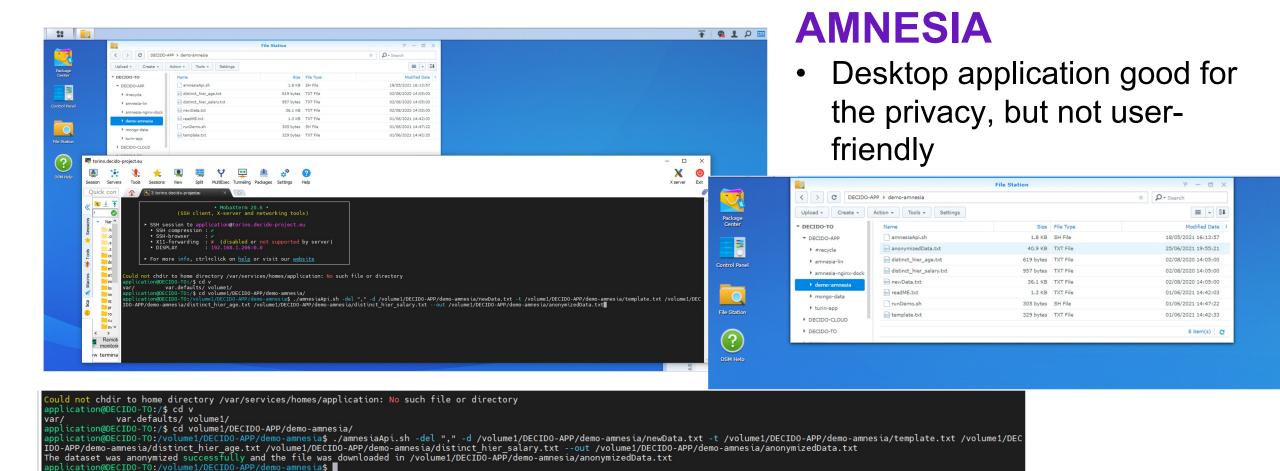
8 **↑** ✓ Marjan Jovanovic ♣ ▼

- Is easily readable and provides detailed information about the user
- Displays a lot of data that is not important to the maintainer (Other groups, departments etc.





Feedback on EOSC services







THANKS FOR YOUR ATTENTION





Contacts:

Antonio Filograna - antonio.filograna@eng.it Website: https://www.decido-project.eu























- Skills for the European
- Open Science
- Commons

Skills4EOSC project and activities in the public sector

Emma Lazzeri, GARR Skills4EOSC project coordinator



Skills4EOSC Competence Centre Network

Skills4EOSC aims at building a **Coordination Network of Competence Centres** for Open Science, FAIR and EOSC in Europe (CCNet).

The Skills4EOSC CCNet will be based on a lightweight mechanism to align and coordinate the network nodes.

The nodes are the Skills4EOSC Competence Centres (CCs).









Developing paths for different targets



Science for policy: honest brokers, civil servants, policy makers



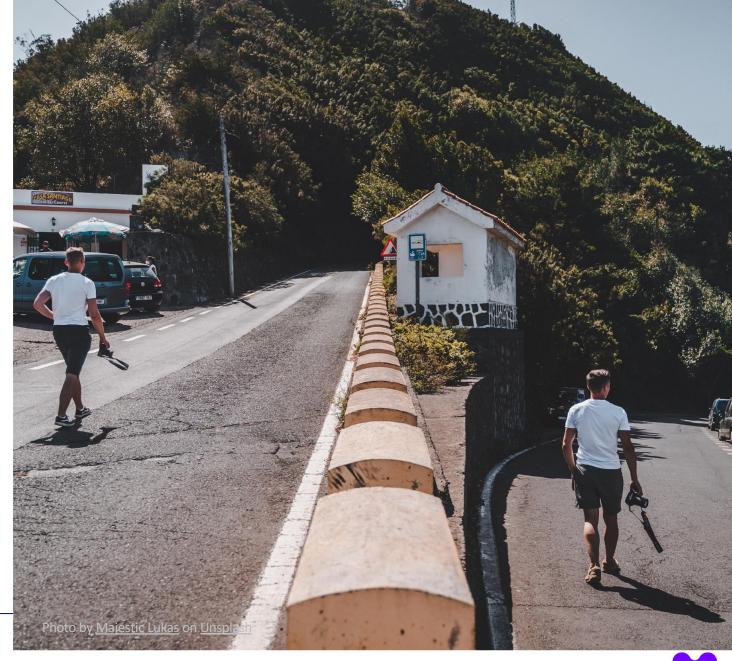
Institutions: undergraduate, PhD, data stewards and professionists, including data librarian and curators, legal and ethical experts



Research Infrastructures and **thematic** communities: designing training with and for researchers and professionists



Professional networks: lifelong learning through peer networks





Designing Training of Trainers for the targets



Start by designing relevant Minimum Viable Skillset for the target roles





Based on the MVS competences, define **learning outcomes or key messages** to be delivered in the ToT

Key messages for policy makers already tested



Apply the **FAIR-by-design methodology** in the definition of learning material

FAIR by design methodology for learning material available in Zenodo





Upskilling the Public Sector







Honest/Knowledge Brokers Policy Makers

Civil Servants





Important collaborations: JRC Science for Policy community





Search







Other Skills4EOSC Resources

Advocacy kit for reaching out to funders and policy makers

Science4Policy kit

Support promoting Open Science skills at the level of policy makers and funders, thus ensuring a steady policy support and national/regional funding streams to keep the Competence Centre going The kit includes best practices based on use cases for Science for Policy that Competence Centres experts can use as resources to build their courses and activities.

The kit will be built by leveraging on selected practices and initiatives in Europe.







- Skills for the European
- Open Science
- Commons









Skills4EOSC has received funding from the European Union's Horizon Europe Research and Innovation Programme under Grant Agreement No. 101058527 and from UK Research and Innovation (UKRI) under the UK Government's Horizon Europe funding guarantee, Grant No. 10040140

Thank you! Questions?

emma.lazzeri@garr.it





presentation, please copy and paste:

nos (2025; September 22): Skills4EOSC Contribution to the path forward. EOSC Union's Horizon 2020 research and innovation 2020 research and innovation 2023; Washing Spain 12 enodo. https://doi.org/10.5281/zenodo.8364272

EOSC COMPETENCE CENTER FOR PUBLIC AUTHORITIES: DECIDO (EVIDENCE AND CLOUD FOR MORE INFORMED AND EFFECTIVE **POLICIES**)

Author(s): Xavier Salazar

Affiliation: EGI Foundation

EOSC Symposium 2023 – Why are Public Authorities not (yet) a relevant user group for EOSC and what can we do to foster it Event:

Date: 21 September 2023



eviDEnce and Cloud for more InformeD and effective pOlicies



























Consortium as whole

Title

eviDEnce and Cloud for more InformeD and effective pOlicies





DT GOVERNANCE 12-2020



Duration

36 months Start Date 1st March 2021



Costs

EUR 4,327,255



Consortium

14 PARTNERS



Key Words

#cloud #evidence-based #policy-making #EOSC #co-creation































• PA: KAJ, CTO

• **LE**: ENG

• Consulting: EY

 Research & Academia: FOKUS, KPRF, KAMK, NTUA, TECNALIA

• **NGO**: EGI, LC, Vol.TO, SCN, Ibercivis

| PARTNER/ COMPETENCE | ENG | TECNALIA | LC | FOKUS | KPRF | KAJ | NTUA | KAMK | СТО | SUSTAINABL E CITY | EGI.EU | EY | ARAGON | VOL.TO |
|---------------------------------|-----|----------|----|-------|------|-----|------|------|-----|----------------------|--------|----|--------|--------|
| POLICY MAKING | | | X | X | | X | X | | X | X | | | X | X |
| EVIDENCE-BASED POLICY MAKING | | | X | X | | X | X | | X | X | | | | X |
| DATA ANALYTICS | X | X | | X | | | X | X | | | X | | | |
| BIG DATA | X | X | | X | | | | X | | | X | | | |
| CLOUD | X | X | | X | | | | X | | | X | | | |
| ICT | X | X | | X | | | X | X | | | X | | | |
| ETHICS/LEGAL | X | | | | X | | | | | | X | | | |
| STAKEHOLDER ENGAGEMENT | | X | X | | X | X | | | X | x | | | X | X |
| Business | X | | | | | | | | | | | X | | |
| DISSEMINATION& COMMUNICATION | X | X | X | | X | | | | | X | | X | | X |
| Transfer & Exploitation | X | X | X | X | X | | | X | | | X | | | |
| EOSC SERVICES | | | | | | | | | | | X | | | |





Main Objectives

Creation of a **BRIDGE** between Public Authorities and **European Open Science Cloud**







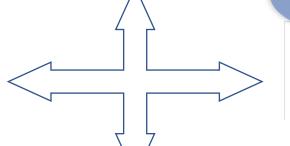
Objective 2

To widen the use of the

European Cloud

Infrastructure services and
data to Public Authorities





Objective 3



To enable and encourage Public
Authorities to use appropriate
infrastructures, services, data and
methodologies to apply a more
evidenced informed approach to policies

Identification of **a set of pathways, recommendations** and a sound **business plan**...

Objective 4

...addressing Public Authorities through the transition towards the use of the European Cloud Infrastructure and the application of **evidence and co-creation** in the policy lifecycle.







Key Exploitable Results & Pilots overview



Kajaani Finland

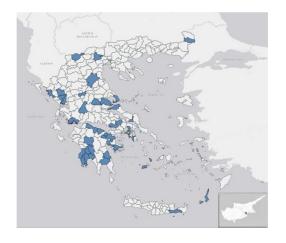
Forest fire

SCOPE

between the **public sector**, **the citizen science world** and the European Cloud
Infrastructure (ECI) through the direct
collaboration with **EOSC** and will provide
storage capacity and processing power
through **EGI infrastructure**.

Turin,
Italy
Flood, food
waste,
Ukrainian
refugees





Greek Municipalities

Power Outage

Aragon RegionSpain

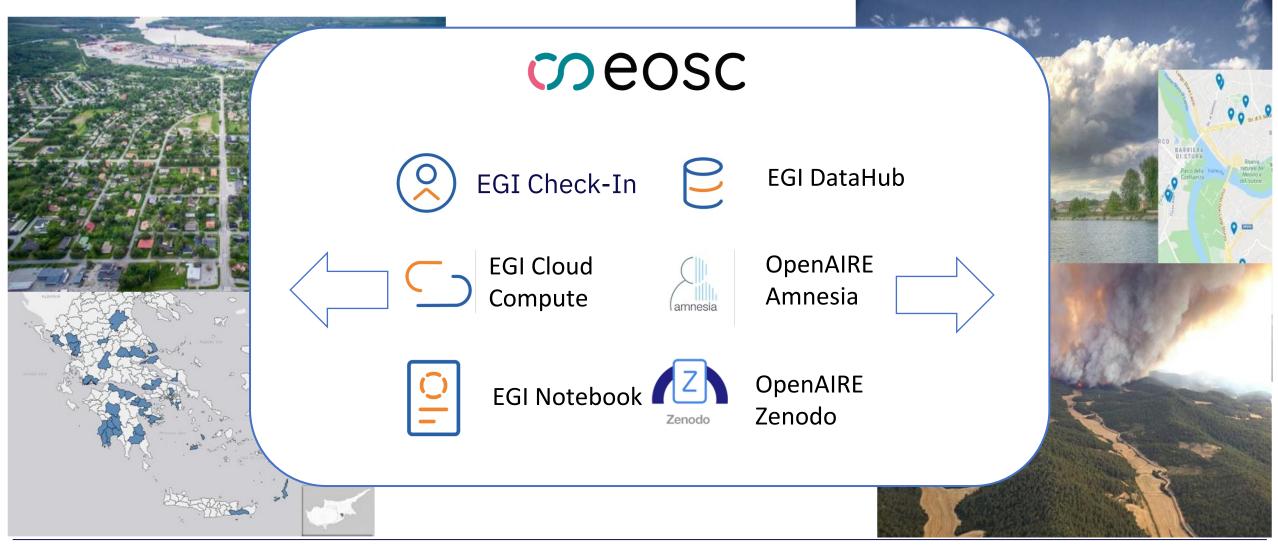
Wildfires







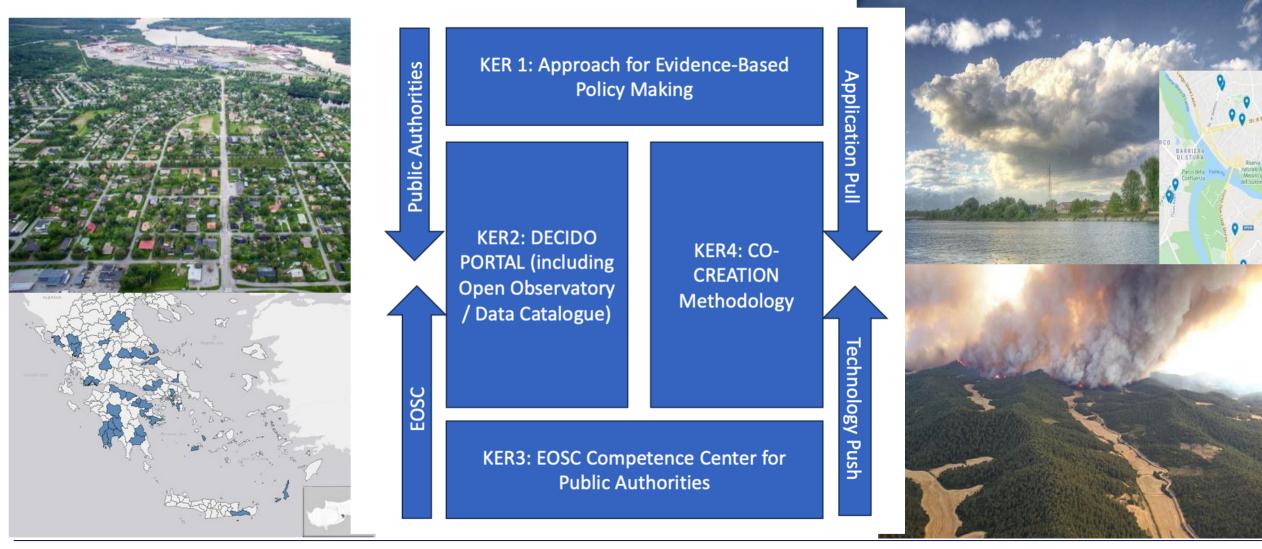
EOSC services used by **DECIDO**







EOSC High-Level view of Key Exploitable Results

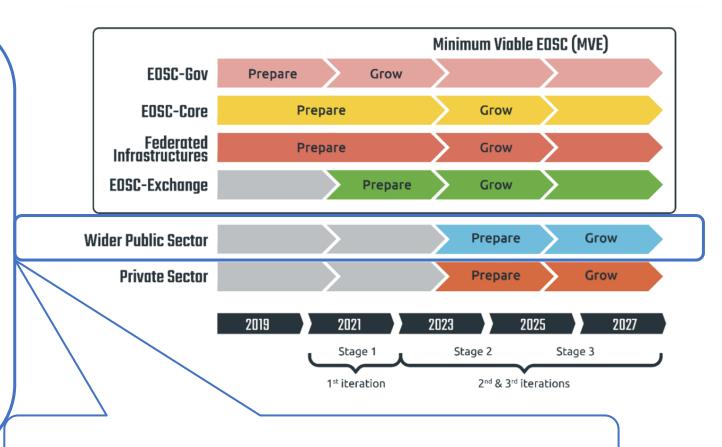






EOSC AND PUBLIC SECTOR

- Going beyond Minimum Viable EOSC (MVE) will entail expanding to broader communities such as wider public sector private sector
- EOSC must demonstrate value and impact relevant and meaningful to the diverse groups belonging to broader public sectors.
- The MVE will need to be expanded with not just additional services but also with dedicated consultancy to address the needs and requirements of end-users



Proposed Center of Competence aims to address this





Competence Centers – Context

Center of Competence in HPC - National Focus

Centers of Excellence in HPC – Sectorial Focus

Networks of Excellence

– Community

Engagement Focus

Why a competence center?

Competence Centres are a model of engagement and support for research communities, based on distributed centres where research infrastructures, experts of relevant e-infrastructures and technology developers join forces to mobilise common resources from the EOSC service catalogue to setup community-specific services

EOSC-hub Competence Centre Flyer

Cluster – Thematic & Geographical Focus

Digital Innovation Hubs

– User group focus
companies

EOSC Center of Competence for Public Authorities - User group focus





EOSC COMPETENCE Centre FOR PUBLIC AUTHORITIES

Aims to establish a bilateral collaboration between public authorities and their experts and the EOSC supply by:

(1) creating a channel for the exchange of support and technical expertise,

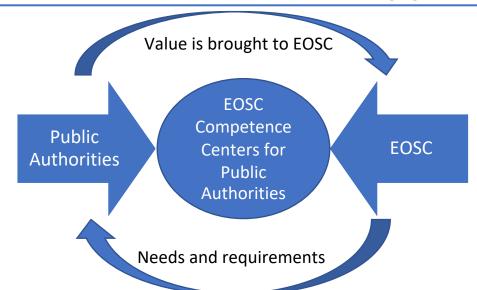
(2) service exploitation and outreach.

Value Offered to EOSC

Early Adopters, Attractiveness, Exploitation, Community Engagement, Crossing the Chasm

User group challenges:

User group currently lags behind in terms of adoption of high-computing paradigms.



EOSC Challenges:

EOSC currently lacks services that would be critical to the user group (e.g. sensitive data management services)

Needs covered by EOSC

Core Services, Computation Services, Data Management, Other Services, Onboarding, Discoverability





Leverage existing models

EuroCC – Castiel (Competence Center)



- EU Funded Project. Budget 57 millions
 (3 years) 2nd iteration
- Governance: Defined under Grant Agreement
- Operational Model: Based in National Competence Centers controlled by Castiel CSA Project
- Engagement Model: Depending on each national center.
- Services Offered: HPC Competences,
 Training & Support, Events, Material
- Communication channels: Website.
 Depending on the national competence center
- Sustainability: Depending on EU funding

HIPEAC (Network of Excellence)

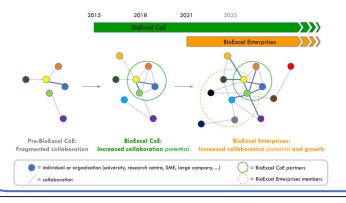


- EU Funded Project. Budget 1 million per year
- Governance: Defined under Grant Agreement
- Operational Model: 4 persons staff supported by Steering Committee.
- Engagement Model: Membership based on acceptance of a Charter
- Services Offered: Advanced Computing Specialist Expertise, Events, Training, Communications & Dissemination Support, Roadmapping.
- Communication channels: Website + Mailing lists
- Sustainability: Depending on EU funding

BioExcel (Center of Excellence)



- EU Funded Project. Budget ca.6 milion (3 years)
- Governance: Defined under Grant Agreement
- Service Offered: Software, Training & Support
- Sustainability: Creation of BioExcel Enterprises





- https://www.eurocc-access.eu/
- https://www.hipeac.net/#/
 - https://bioexcel.eu/bioexcel-enterprises/



Model for EOSC CC for Public Authorities

EGI Consultancy & support offering: to support the researchers in building platforms on top of the existing capabilities, or to build high-level services that rely on general building blocks; for larger communities, this is achieved by creating competence centres composed of experts from both the user side and the provider side

For Public Authorities

- Governance: Definition of ToR & Community Charter
- Services offered to the community: Brokering, Training, Support, Dissemination & Exploitation
- Communication Channels: Direct emails -E-mail / Newsletter / Web news / Internal discussion forum
- Operational Model: Core team from EGI + any interested organization under signed MoU
- Engagement Model: Members to accept membership charter based on voluntary contributions
- Sustainability: Lightweight -voluntary based membership/contributions. Operations to be covered by owner and core team and expanded under existing projects or as part of activities of new EOSC-related EU follow up project targeting Public Authorities.





Phases for the creation of the EOSC CC for Public Authorities

EOSC Draft MAR published March 2023:

Focus on Research Communities (over Public Authorities & Industry) 2023-2027 Incubation of CC fostering collaboration projects

- Phase 1: Definition & Incubation: Under DECIDO project
 - Owned by EGI
 - CoreTeam Covered under a MoU (among all interested parties, DECIDO interested parties & Public Authority centers, and possibly others)
 - Members Individuals covered under a Membership Charter
- Phase 2: Consolidation: Under Publicly Funded Project (in 5 years)
- Phase 3: Growth: Self-sustained (in 5-10 years)

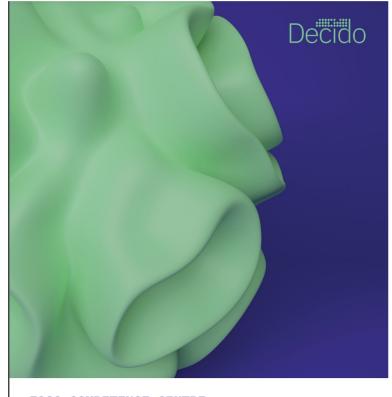






HOW TO GET INVOLVED

- Check out our position paper: https://www.decido-project.eu/2022/11/10/eosc-competence-centre-for-public-authorities/
- Initial activities:
 - Collection of success stories, best practices, data and technical requirements, and economical advantages in cross-infrastructure data and service provisioning.
 - A final workshop with main stakeholders in Brussels
- Join us by contacting us: xavier.salazar@egi.eu









THANK YOU

Author(s): Xavier Salazar

Affiliation: EGI

EOSC Symposium 2023 Event:

21 September 2023 Date:



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Why are Public Authorities not (yet) a relevant user group for EOSC and what can we do to foster it.

Do you see that the EOSC can play a role in the public sector sooner, rather than later, offering services to public administrations?

What are the main challenges you see preventing this to happen What are the main benefits?

How do you perceive the EOSC Competence Center idea on the public sector? How can this be further developed and promoted?



