



# **EVERSE: EUROPEAN VIRTUAL INSTITUTE FOR RESEARCH SOFTWARE EXCELLENCE**

Thomas Vuillaume, 17-11-2023, OSSR Collaboration meeting

COORDINATOR

CERTH (Centre for Research and Technologies) in Greece,  
BioSciences

PARTNERS

18 partners (EL, FR, CH, ES, UK, DE, NL, IT, CZ)  
ESCAPE Partners: CERN, FAU, LAPP, SKAO

GRANT

HORIZON-INFRA-2023-EOSC-01 = 7.8M€ in total

DURATION

3 years (March 2024 - March 2027)

## SUMMARY

# THE CALL HORIZON-INFRA-2023-EOSC-01

Development of **community-based** approaches for ensuring and improving the **quality of scientific software and code**

⇒ **EVERSE**

Building a **European network of Research Software Quality** based on the five EOSC Science Clusters and national Research Software Expertise Centres and setting the foundations of a future **Virtual Institute for Research Software Excellence**.

# EVERSE

## Community Curation

Tools Framework Training Recognition

## Software Quality Assessment

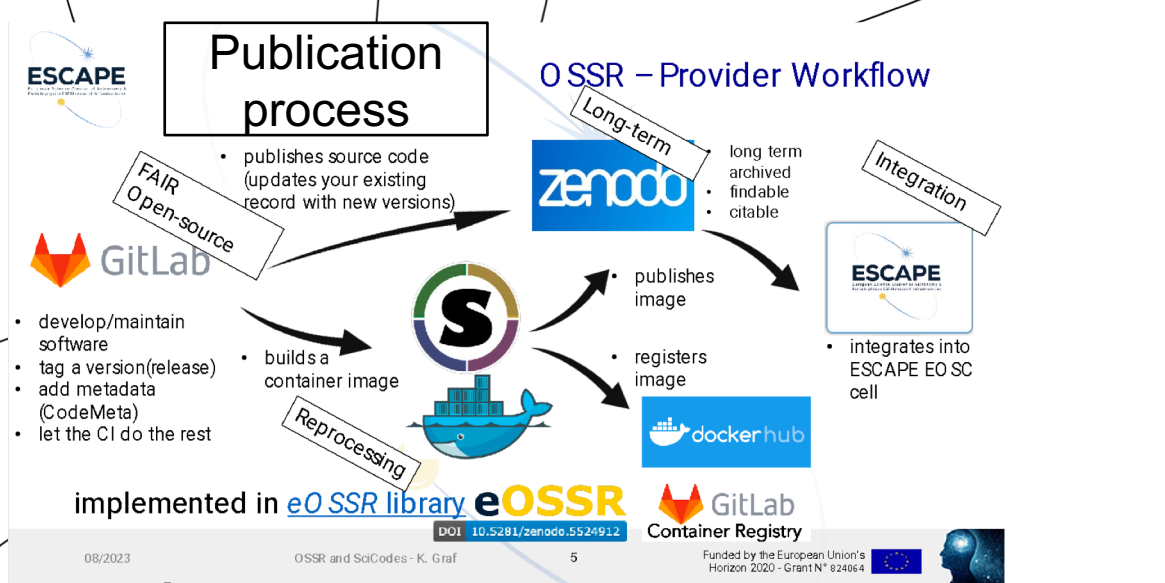
Tools Framework

## Best Practices

Recommendations Training RSQkit

# WORK PACKAGES

	OSSR INVOLVEMENT
<b>WP1:</b> Framework of the European Network of Research Software Quality ( <b>CERN</b> )	CERN, SKAO
<b>WP2:</b> Community-led best practices for developing high-quality research software (BSC)	FAU, LAPP, SKAO
<b>WP3:</b> Tools and services for software quality and FAIRness ( <b>LAPP</b> )	FAU, CERN, SKAO
<b>WP4:</b> EOSC Science Cluster Pilots and Driver projects (HZDR)	CERN
<b>WP5:</b> Capacity building and recognition ( <b>CERN</b> )	CERN, LAPP
<b>WP6:</b> Project Management & Coordination	CERN, LAPP, SKAO, FAU



# LINK WITH ESCAPE OSSR

- Improves software quality
- Improves publication process (in relation with Zenodo as partner in EVERSE)
- Improves software quality assessment
- Improves community management (high-level quality metrics)
- Improves visibility (broader community, better landing page...)
- Reward code review and curation

curation

**ESCAPE OSSR**

Recent uploads

- cds-astro/mocpy: Release v0.13.0
- cds-astro/aladin-lite: 3.2.0
- GammaLearn
- FairMQ

**Welcome to the ESCAPE OSSR!**

Search software and services in the ESCAPE repository

What is it?  
The ESCAPE Open-source Scientific Software and Service Repository (OSSR) is a sustainable open-access repository to share scientific software, services and datasets to the astro-particle-physics-related communities and enable open science. It is built as a curated Zenodo community integrated with several tools to enable a complete software life-cycle. The OSSR is fully onboarded into the EOSC explorer. The ESCAPE Zenodo community welcomes entries that support the software and service projects in the OSSR such as user-support documentation, tutorials, presentations and training activities. It also encourages the archival of documents and material that disseminate and support the goals of ESCAPE.

How to contribute to the ESCAPE OSSR?  
You can onboard your project right now - see here how.

Learn more about our projects in this website or contact us!

Research infrastructures and Science Projects in the OSSR

Directly find software and dataset related to our scientific partners in the OSSR:

cta, cherenkov telescope array, LSST, VIRGO, EST

Great opportunity to develop and push forward the OSSR !

my vision for the OSSR: a software publication process (journal-like) with a focus on software quality  
→ recognition for developers and curators

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THANK YOU