

# EVERSE WP1

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# Project News

- And we're off!
- EVERSE officially started on 1st March 2024



# EVERSE High-Level Objectives

1. **Build a collaborative, community-led structure** for evaluating, verifying, and **improving the quality of research software and code**, by actively involving *researchers, software developers, and other stakeholders* in the research community.
2. **Leverage existing tools** and resources to support the evaluation, verification and **improvement of research software and code quality**, based on *existing practices and standards* across research communities represented by the five EOSC Science Clusters.
3. Establish a **sustainable and collaborative ecosystem** of stakeholders across the research communities associated with the five EOSC Science Clusters **to ensure research software and code quality assurance** and support the advancement of reliable and reproducible research.
4. Provide a framework that will ensure **appropriate recognition, reward, and career development** for **researchers and RSEs** who *implement research software and code quality assurance practices and policies*.

# Work Package 1 - Reminder of Key points

- Framework of the European Network of Research Software Quality
  - Establish a European Network of Research Software Quality
    - Hope to eventually make this a *Virtual Institute of Research Software Excellence*
  - Engage with science communities
  - Build direct links with other European and international organisations (including EOSC)
  - Enhance software quality through
    - Seminars, workshops, newsletters, hackathons, webinars, and dissemination campaigns
    - *This will be a key point where we take the output of the other work packages*

## EVERSE activities with particularly strong WP1 input

- A1: Foster alignment of existing initiatives by promoting coherence and developing community guidelines
- A2: Promote the use of already existing common technical specifications, standards or infrastructure, endorsed by the various scientific communities
- A10: Incentivise open, community-driven and sustainable software development, involving labs as well as individuals (long-tail of science); Establish software greenhouses which nurture and support new codes and integrate with software quality tools

# WP1 Members

- CERN
- ELIXIR
- CERTH
- CNRS-IJCLab
- SKAO
- UvA
- NLeSC
- UPM
- UEDIN
- UniSalento
- OpenAIRE
- CU



# WP1 Objectives

1. Establish a European network of Research Software Quality
  - a. Preparing for (but not delivering) a formal European Institute
  - b. Driven by the scientific and research communities
    - i. Coordinating cross-disciplinary engagement with wider expertise including the software industry, to enable improved research software community curation
  - c. Focussed activities: seminars, workshops, newsletters and other social engagement
  - d. Promote policies and open source licensing and roles that support scientific software
  - e. Involve the whole community in these efforts through our partner organisations and science clusters
2. Engage with a wide range of science communities to join the network
  - a. Make documentation and human resources available to promote involvement and to *understand the needs of new members*
  - b. Hackathons, webinars and dissemination campaigns will be organised to boost engagement
3. Links with other European and international organisations on software quality
  - a. Ensure coherence and to enhance the impact of our network and their activities
  - b. Align closely with the EOSC Association and ongoing EOSC projects as key stakeholders.

# Task 1

- Leads CERN, SKAO
  - Website and newsletter, promote project work through social media
    - *Website is live (GitHub sources)*
    - *Need to decide on a newsletter format*
    - *Social media accounts have been setup (X/Twitter, Mastodon, Linked-in at least)*
  - Online seminar series
    - *What is interesting for a whole wide community?*
      - *E.g., Compute and Accelerator Forum as a model?*
    - *Promote this widely into all 5 Science Clusters*
  - Plan a long-term European Virtual Institute for Research Software Excellence
    - *Later task when more people are onboard*
  - Establish a governance framework for the EVERSE



## Task 2

- Leads ELIXIR, OpenAIRE
  - Outreach and links to a wide range of science communities
    - *Five science clusters are a starting point*
      - *Jonathan (WP co-lead, ELIXIR) engaged directly with Cluster Directors through regular meetings to aid coordination*
      - *OpenAIRE to promote via EOSC Core and new EC Node channels?*
    - *Ideas of initial targets?*
  - Develop documentation outlining the process for communities to join EVERSE as partners
    - *What does joining EVERSE mean?*
  - Identify relevant communities and offer onboarding support, including hackathons
    - *Probably want a particular “early adopter” to trail the process and give feedback*
    - *Biohackathon may be one option in life sciences (project call just opened)*

# Task 3

- T3 - NLeSC, UEDIN
  - Links to other European and international organisations
    - *EOSC and others*
  - Links to industry
    - *Which industrial partners do we have contact with*
  - Survey relevant organisations, prioritise partner organisations
  - Organise common activities to broaden the project's impact
    - *Seminars, events*
  - Assess impact and collaborate in outreach activities
    - *How to assess impact?*
  - Evaluate the project's success (based on the level and number of engaged communities and improvements measured by the EVERSE quality criteria)
    - *Related to the previous point - how to quantify?*

# Towards the Kick-Off Meeting

- We want to understand the status and plans for the next 12 months
- Which activities are partners planning to work on?
- It's important to set up links to the other working groups
  - They provide a lot of the input that the project requires and our WP will take advantage of
- Deciding on where we reach out first
  - Having meaningful links established
  - What do RSEs and scientific software developers want from our project?
- Please fill in one slide per partner in [this slide deck](#)
  - Please do this by **Friday 8 March** so that we can use this input for the WP1 presentation

# Backup

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# Deliverables and Milestones

Deliverable		Month	Lead
D1.1	EVERSE Community Engagement: Report on the engagement activities to the other communities and science clusters, showcasing the impact of the network	M24	ELIXIR
D1.2	Active European network of Research Software Quality: Proposal for structure of long term institute	M36	CERN
D1.3	Onboarding support for additional scientific communities established and first communities integrated	M14	ELIXIR

Milestones		Month	Lead
M1.1	Project website, newsletter and social media setup	M6	CERN
M1.2	Common activities established with partner organisations, including links to industry	M18	UEDIN
M1.3	Produce a Roadmap to a more permanent European Virtual Institute for Research Software Excellence	M36	CERN

# Useful Links

- Everse website: <https://everse.software>
  - Code repository:  
<https://github.com/EVERSE-ResearchSoftware/EVERSE-ResearchSoftware.github.io>
- WP1 Indico
  - <https://indico.cern.ch/category/17964/>
- Mailing List
  - [everse-wp1@lists.certh.gr](mailto:everse-wp1@lists.certh.gr)