eosc | EVERSE

EVERSE Training

Work Package on Capacity Building & Recognition

Funded by the European Union

15 | 05 | 2024,
WLCG/HSF Workshop, Hamburg
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EVERSE aims to create a framework for research software and code excellence, collaboratively designed and championed by the research communities, in pursuit of building a European network of Research Software Quality and setting the foundations of a future Virtual Institute for Research Software Excellence.

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A Virtual Institute for Research Software Excellence

- EVERSE establishes a network of the five Clusters of the European Open Science Cloud (EOSC):

- EVERSE was kicked off in March 2024
- Homepage: https://everse.software
- 3 years HORIZON Europe project, 8M Euros funding, 18 partners

Work Packages

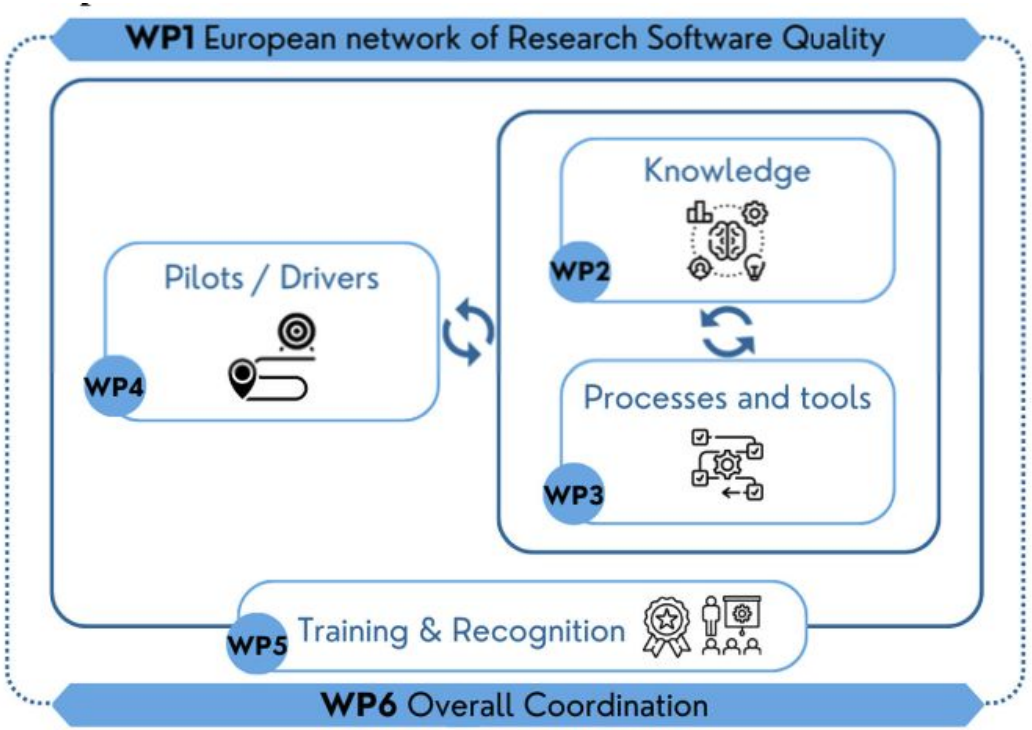
WP1: Establish the EVERSE framework to organise and allow participation

WP2: Assess current best practices by researchers and make those accessible via the EVERSE-**RSQkit**

WP3: Collect tools and services for software quality, link those into common pipelines or frameworks and integrate them into the clusters

WP4: Link to the EOSC science clusters, exercise the EVERSE developments via pilots and provide feedback to WP2 and WP3

WP5: Develop training for researchers and prototype tools and processes to raise the recognition of research software engineers and trainers



Activities for EVERSE Training and Recognition

Collect, develop and curate training resources on research software quality:

- Training needs are **driven by best practices** within EVERSE
- Target **domain agnostic and domain specific** as well as **self and instructor-led** training
- After collecting existing training material and gap analysis, trigger the **development of new training** material if needed
- Tools for organising training have been developed within the EOSC communities, look into re-using those
- Establish a **long-term training activity** supported by the communities
- Come up with a **curriculum for research software** engineering and provide feedback to universities and schools
- Develop a process to ensure trainers and communities **stay engaged**

Activities for EVERSE Training and Recognition (ctd.)

Establish a framework rewarding scientists and trainers for contributions to research software

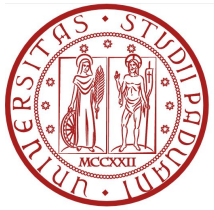
- Landscape analysis of existing reward systems
- Develop a mechanism for including third party recognition easily into CVs
- Deliver a **recognition system** for scientists who are committed to contribute to research software (developers, trainers, maintainers, curators, …)
- Build on **existing tools and platforms** to enable reward, credit and attribution (APICURON, BIP Scholar, …)

… and more

- EIROforum Working Group “Training and Career Development”
  - EIROforum members: CERN, EMBL, ESA, ESO, ESRF, EUROfusion, XFEL, ILL
  - Exchange of information among participating organisations
  - Develop a common training catalog, including technical trainings

- Next Generation Triggers Work Package “Education Programmes and Outreach”
  - Exchange programme via events, seminars, visits, workshops, …
  - Prototype a programme for early career researchers on computing and data science skills

- More committees looking into the topic of training
  - “Data Lifecycle Panel” of the International Committee for Future Accelerators (ICFA)
  - Work package on “Training, Education and Dissemination” discussed in the context of JENA (ECFA / NuPECC / APPEC)



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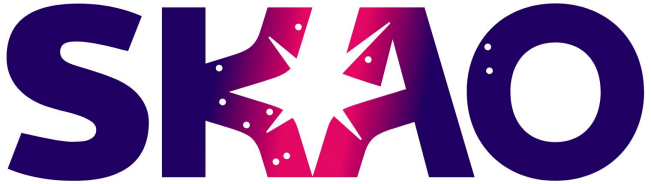

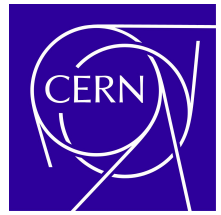

Thank you!!

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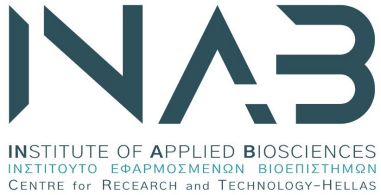
DEL SALENTO



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