Helmholtz Open Science Forum: Research Software

HELMHOLTZ Open Science Forum

Report of Contributions

Contribution ID: **16**   Type: **not specified**

(OPTIONAL) BoF: Reusable CI/CD Templates and Workflows in GitLab

Tuesday, February 6, 2024 1:00 PM (1h 30m)

Many scientific software projects could benefit from automated CI/CD workflows, as they are similar in basic parameters and therefore require the same or similar CI/CD workflows. The development and maintenance of such workflows is a considerable additional effort that is unfortunately rarely undertaken. We want to jointly develop reusable CI/CD workflows for GitLab for selected standard cases and make them available to research software developers.

Agenda
- Short introduction (10 min)
- Collection of use cases (20)
- Group work: Define use cases (45)
- Wrap-up group work (15)

(UFZ RSEs will continue working on the topic even longer than scheduled. So feel free to stay longer if your train schedule allows it.)

Primary authors: BILKE, Lars (Helmholtz Centre for Environmental Research –UFZ); Dr BERNT, Matthias; GEY, Ronny (Helmholtz Centre for Environmental Research); HUSTE, Tobias (Helmholtz-Zentrum Dresden-Rossendorf)

Presenters: BILKE, Lars (Helmholtz Centre for Environmental Research –UFZ); Dr BERNT, Matthias; GEY, Ronny (Helmholtz Centre for Environmental Research); HUSTE, Tobias (Helmholtz-Zentrum Dresden-Rossendorf)

Contribution ID: **17**

Type: **not specified**

Report from Helmholtz Open Science Forum "Open Science and Transfer"(22.01.2024)

Monday, February 5, 2024 1:00 PM (10 minutes)

Presenter: BRUCH, Christoph (Helmholtz Open Science Office)

Session Classification: OSPO - Open Source Policy Office

Contribution ID: **18**   Type: **not specified**

OSPOs at Helmholtz Centers –Overview of state of play

Monday, February 5, 2024 1:10 PM (1h 20m)

Primary author: VOROSHNIN, Vladimir (HZDR)

Presenter: VOROSHNIN, Vladimir (HZDR)

Session Classification: OSPO - Open Source Policy Office

Contribution ID: 19   Type: **not specified**

Helmholtz Incubator Software Award

Monday, February 5, 2024 3:00 PM (15 minutes)

Primary author: MESSERSCHMIDT, Lena (Helmholtz Open Science Office)

Co-authors: Dr BRUCH, Christoph (Helmholtz Open Science Office); Dr KONRAD, Uwe (HZDR)

Presenters: Dr BRUCH, Christoph (Helmholtz Open Science Office); MESSERSCHMIDT, Lena (Helmholtz Open Science Office); Dr KONRAD, Uwe (HZDR)

Session Classification: Updates: HIFIS, Software Award, interesting Helmholtz software

Contribution ID: **20**　　　　　　　　　　　　　　　　　Type: **not specified**

Vorstellung neuer Research Software Policies: HZDR decision graph on software licensing

Monday, February 5, 2024 3:15 PM (15 minutes)

Primary author:　Dr KONRAD, Uwe (HZDR)

Presenter:　Dr KONRAD, Uwe (HZDR)

Session Classification:　Updates: HIFIS, Software Award, interesting Helmholtz software

Contribution ID: **21**   Type: **not specified**

From here to there –a long journey to an institute's software policy

Monday, February 5, 2024 3:30 PM (15 minutes)

Research software guidelines help ensure the quality of software as a basis for scientific research. On the one side, establishing policies and guidelines provides a reliable basis for developing shared processes and infrastructures, as well as standardized ways of dealing with research software. On the other side, policies are an opportunity to empower developer teams with autonomy based on clarity, direction and defined boundaries. However, the process of implementing a policy in an institute can be challenging. In this talk, we will discuss some experiences with this process in our institute.

Primary author: Dr FRITZSCH, Bernadette (AWI)

Presenter: Dr FRITZSCH, Bernadette (AWI)

Session Classification: Updates: HIFIS, Software Award, interesting Helmholtz software

Contribution ID: **22**   Type: **not specified**

Support services: News from HIFIS

Monday, February 5, 2024 4:00 PM (20 minutes)

Primary author: Dr HUSTE, Tobias (HZDR)

Presenter: Dr HUSTE, Tobias (HZDR)

Session Classification: Updates: HIFIS, Software Award, interesting Helmholtz software

Contribution ID: **23** Type: **not specified**

Support services: DLR research data / software archive

Monday, February 5, 2024 4:20 PM (20 minutes)

Presenter: SCHLAUCH, Tobias (DLR)

Session Classification: Updates: HIFIS, Software Award, interesting Helmholtz software

Contribution ID: **24**   Type: **not specified**

Support services: HiRSE_PS –state of play

Monday, February 5, 2024 4:40 PM (20 minutes)

Primary author: Dr CASPART, René (KIT)

Presenter: Dr CASPART, René (KIT)

Session Classification: Updates: HIFIS, Software Award, interesting Helmholtz software

Contribution ID: 25　　　　　　　　　　　　　　　　　　　Type: **not specified**

Helmholtz Research Software Directory

Tuesday, February 6, 2024 9:00 AM (30 minutes)

Primary author: MEESSEN, Christian (GFZ)

Presenter: MEESSEN, Christian (GFZ)

Session Classification: Software

Contribution ID: **26**   Type: **not specified**

Heliport

Tuesday, February 6, 2024 9:30 AM (30 minutes)

Primary author: Dr HUSTE, Tobias (HZDR)

Presenter: Dr HUSTE, Tobias (HZDR)

Session Classification: Software

Contribution ID: **27** Type: **not specified**

Building Scalable Time Series Data Infrastructures

Tuesday, February 6, 2024 10:00 AM (30 minutes)

Primary authors: SCHÄFER, David (UFZ); ABBRENT, Martin (UFZ)

Presenters: SCHÄFER, David (UFZ); ABBRENT, Martin (UFZ)

Session Classification: Software

Contribution ID: **28**   Type: **not specified**

EU Cyber Resilience Act

Tuesday, February 6, 2024 11:00 AM (30 minutes)

Primary author: SCHLAUCH, Tobias (DLR)

Presenter: SCHLAUCH, Tobias (DLR)

Session Classification: Software Development (various)

Contribution ID: **29**   Type: **not specified**

Joint Open-Software Development with Industry

Tuesday, February 6, 2024 11:30 AM (30 minutes)

Primary author: KRIMM, Alexander (GSI)

Presenter: KRIMM, Alexander (GSI)

Session Classification: Software Development (various)

Contribution ID: **30**   Type: **not specified**

EOSC-EVERSE: Paving the way towards a European Virtual Institute for Research Software Excellence

Monday, February 5, 2024 3:45 PM (15 minutes)

The EVERSE project aims to create a framework for research software and code excellence, collaboratively designed and championed by the research communities across five EOSC Science Clusters and national Research Software Expertise Centres, in pursuit of building a European network of Research Software Quality and setting the foundations of a future Virtual Institute for Research Software Excellence.

This framework for research software excellence will incorporate aspects involving community curation, quality assessment, and best practices for research software. This collective knowledge will be captured in the Research Software Quality toolkit (RSQkit), a knowledge base to gather and curate expertise that will contribute to high-quality software and code across different disciplines. By embedding the RSQkit and services into the EOSC Science Clusters, EVERSE will demonstrate improvements in the quality of research software and maximise its reuse, leading to standardised software development practices and sustainable research software. Furthermore, we will drive recognition of software and support career progress for developers, from researchers who code to RSEs, raising their capacity to guarantee software quality.

The European network for Research Software Quality aims to cross-fertilise different research domains, act as a lobbying organisation, and raise awareness of software as a key enabler in research, with the overall ambition to accelerate research and innovation through improving the quality of research software and code.

EVERSE ultimate ambition is to contribute towards a cultural change where research software is recognized as a first-class citizen of the scientific process and the people that contribute to it are credited for their efforts.

Primary author: Dr JUCKELAND, Guido (HZDR)

Presenter: Dr JUCKELAND, Guido (HZDR)

Session Classification: Updates: HIFIS, Software Award, interesting Helmholtz software