

Software Quality Assurance at Helmholtz - 6. Helmholtz Research Software Forum

Report of Contributions

Contribution ID: 1

Type: **not specified**

Introduction of quality indicator for research software publications

Wednesday 12 February 2025 13:00 (30 minutes)

The Helmholtz Association is adding a new indicator for research data and research software publications to its reporting. A working group with members from all Helmholtz centers has been working on defining this new indicator and the Helmholtz general assembly has approved their suggestion in its fall meeting of 2024. In this talk the indicator as well as the ideas behind it and the methods to collect the information are introduced. The indicator is based on a maturity model looking at various aspects of a research software publication, thus also providing value to the authors of the software and research software researchers as it makes multiple aspects of research software as a scientific publication itself visible.

Presenters: JUCKELAND, Guido; JUCKELAND, Guido (Helmholtz-Zentrum Dresden-Rossendorf)

Session Classification: Session 1: Software Indicator I

Contribution ID: 2

Type: **not specified**

Role of Helmholtz Research Software Directory in collection information for the Quality Indicator for research software publications

Wednesday 12 February 2025 13:30 (30 minutes)

The Helmholtz Research Software Directory (Helmholtz RSD) has been established as a central marketplace for research software within the Helmholtz Association, fostering visibility and reuse of software assets. The talk will provide an overview of the current status of the Helmholtz RSD, highlight key achievements from the past year. We will introduce the newly developed License Consultation service, that is designed to establish a framework for tailored license consultation processes at individual Helmholtz Centres. Additionally, we will present advancements in the federation of individual RSD instances. In this context, we will provide insight into the associated project nfdi.software and its role in the RSD ecosystem. Lastly, we will outline the contribution of the RSD to the Helmholtz Software Indicator, indicating potential use cases that will aid software developers in assessing their research software for the upcoming PoF period.

Presenter: JUCKELAND, Guido (Helmholtz-Zentrum Dresden-Rossendorf)

Session Classification: Session 1: Software Indicator I

Contribution ID: 3

Type: **not specified**

Hands-on: Looking at Tools to Support the Indicator (and their Roadmaps)

Wednesday 12 February 2025 15:00 (45 minutes)

Presenter: JUCKELAND, Guido (Helmholtz-Zentrum Dresden-Rossendorf)

Session Classification: Session 2: Software Indicator II

Contribution ID: 4

Type: **not specified**

Hands-on: Looking at Documentation to Support the Indicator

Wednesday 12 February 2025 15:45 (45 minutes)

Presenter: JUCKELAND, Guido (Helmholtz-Zentrum Dresden-Rossendorf)

Session Classification: Session 2: Software Indicator II

Contribution ID: 5

Type: **not specified**

JuRSE: The RSE Community of Practice at FZJ

Thursday 13 February 2025 09:00 (30 minutes)

This talk will update the attendees on the progress of the JuRSE (Juelich Research Software Engineering) community of practice at FZJ and will go into detail about the initiatives that we are providing that are available to everyone who codes and develops software in their academic role.

Primary author: WYATT, Claire (FZJ)

Presenter: WYATT, Claire (FZJ)

Session Classification: Session 3: Software Projects

Contribution ID: 6

Type: **not specified**

Updates from the Joint Lab HiRSE: Helmholtz Information - Research Software Engineering

Thursday 13 February 2025 09:30 (30 minutes)

Primary authors: CASPART, René (KIT); SPECK, Robert (FZJ)

Presenters: CASPART, René (KIT); SPECK, Robert (FZJ)

Session Classification: Session 3: Software Projects

Contribution ID: 7

Type: **not specified**

European Virtual Institute for Research Software Excellence - eVerse

Thursday 13 February 2025 10:00 (30 minutes)

Presenters: JUCKELAND, Guido (Helmholtz-Zentrum Dresden-Rossendorf); JUCKELAND, Guido

Session Classification: Session 3: Software Projects

Contribution ID: 8

Type: **not specified**

Feedback from the Centers

Wednesday 12 February 2025 14:00 (30 minutes)

Presenter: PARTICIPANTS

Session Classification: Session 1: Software Indicator I

Contribution ID: 9

Type: **not specified**

Welcome

Wednesday 12 February 2025 12:45 (15 minutes)

Primary authors: BRUCH, Christoph (Helmholtz Open Science Office); FERGUSON, Lea Maria (Helmholtz Association, Helmholtz Open Science Office); DENKER, Michael (INM-10, Forschungszentrum Jülich)

Presenters: BRUCH, Christoph (Helmholtz Open Science Office); FERGUSON, Lea Maria (Helmholtz Association, Helmholtz Open Science Office); DENKER, Michael (INM-10, Forschungszentrum Jülich)

Session Classification: Opening