



Contribution ID: 83

Type: **Workshop or Hackathon**

## Aspects of Usability in RSE

*Wednesday 26 February 2025 14:00 (1h 30m)*

Research software developers are usually very familiar with the functional requirements of the software they are developing, as it is often closely linked to their research discipline. Quality requirements are often less well understood due to a lack of background in computer science [1]. Usability is one of these quality requirements that may be critical for the research software to support its underlying research goal.

The aim of this workshop is therefore to study and foster exchange on aspects of usability in RSE. These aspects may vary, e.g. from learnability over operability to inclusivity (see ISO/IEC 25010 for further aspects).

To steer the discussion, we want to encourage the participants to bring their own projects, so we can work together to specifically answer the following questions:

Who are the users of the RSE project based on the research goal?

Which aspects of usability play an important role in the RSE project for these users?

What does each of these usability aspects require to be fulfilled in the RSE project?

How do these usability aspects influence the research goal that the RSE project contributes to?

Is the usability aspect currently fulfilled within the RSE project and why (or why not)?

We conclude the discussion by summarizing which usability aspects are important in the selected RSE projects, and how research software engineers could be supported with practical software engineering methods to take these usability aspects into account.

Also participants interested in aspects of usability that do not bring their own RSE project are welcome to join the discussion.

Wiese, I.; Polato, I.; Pinto, G.: Naming the Pain in Developing Scientific Software. *IEEE Software* 4/37, pp. 75–82, 2020.

### I want to participate in the youngRSE prize

no

**Primary authors:** BERNOTH, Jan (Universität Potsdam); Prof. LAMBERS, Leen (BTU Cottbus-Senftenberg)

**Presenters:** BERNOTH, Jan (Universität Potsdam); Prof. LAMBERS, Leen (BTU Cottbus-Senftenberg)

**Track Classification:** Education: RSE education