JuRSE: A Jülich Community of RSE Practice

13th February 2025 I CLAIRE WYATT

Member of the Helmholtz Association

JÜLICH Forschungszentrum

Shaping Change

ABOUT ME

My role: *Community Manager for Research Software Engineering (RSE)*

SOFTWARE SUSTAINABILITY INSTITUTE

RSE
SOCIETY OF RESEARCH SOFTWARE ENGINEERING

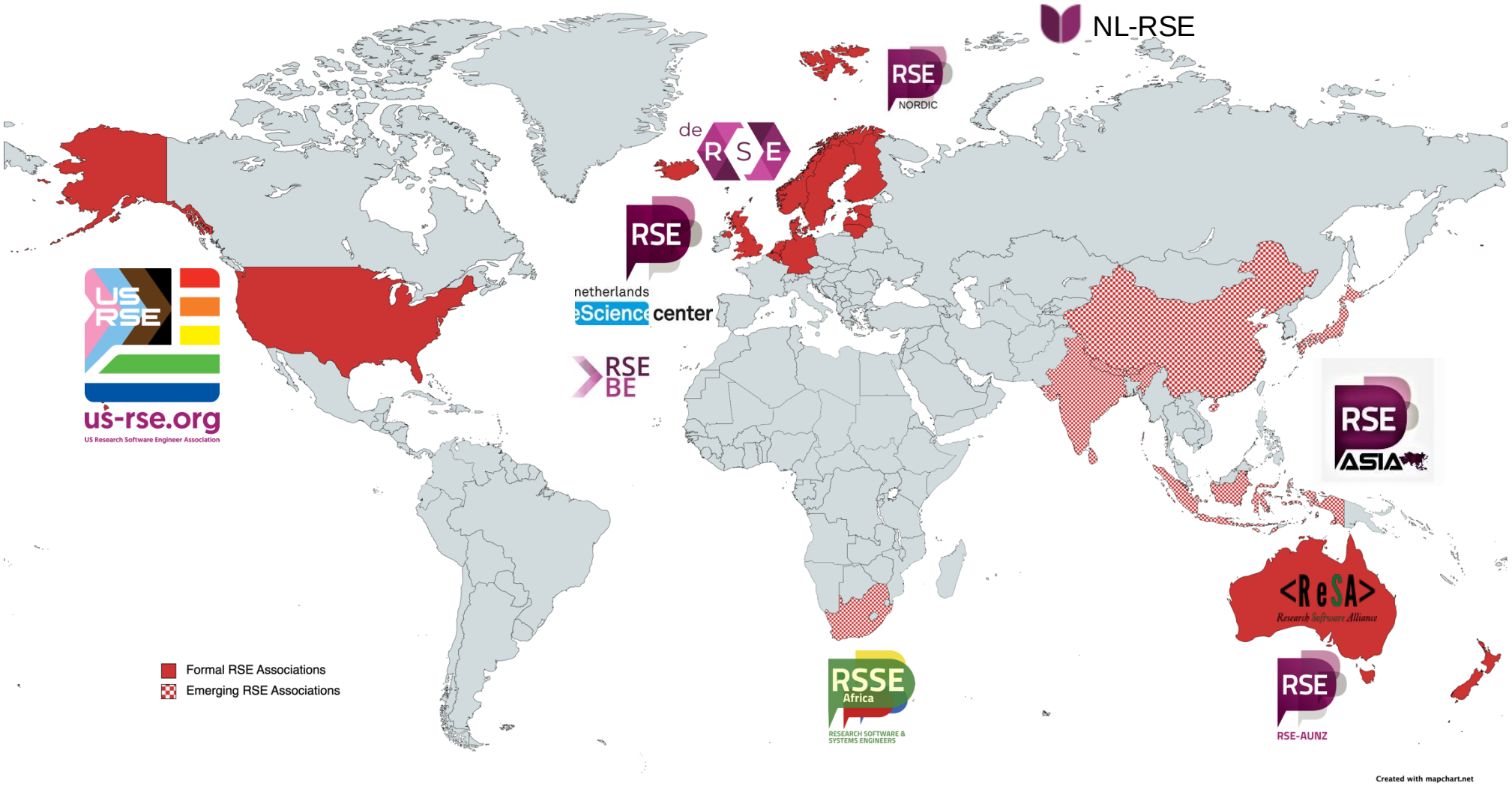
JÜLICH Forschungszentrum
Shaping Change

THE UNIVERSITY of EDINBURGH
UNIVERSITY OF Southampton
UNIVERSITY OF OXFORD
MANCHESTER 1824 The University of Manchester

UKRI Arts and Humanities Research Council
UKRI Medical Research Council
UKRI Biotechnology and Biological Sciences Research Council
UKRI Natural Environment Research Council
UKRI Economic and Social Research Council
UKRI Science and Technology Facilities Council
UKRI Engineering and Physical Sciences Research Council

THE WORLDWIDE RSE MOVEMENT

intl RSE | INTERNATIONAL COUNCIL OF RSE ASSOCIATIONS



Code for thought RSE

JÜLICH Forschungszentrum

A SCIENTIFIC COMMUNITY OF PRACTICE

A group of people who share

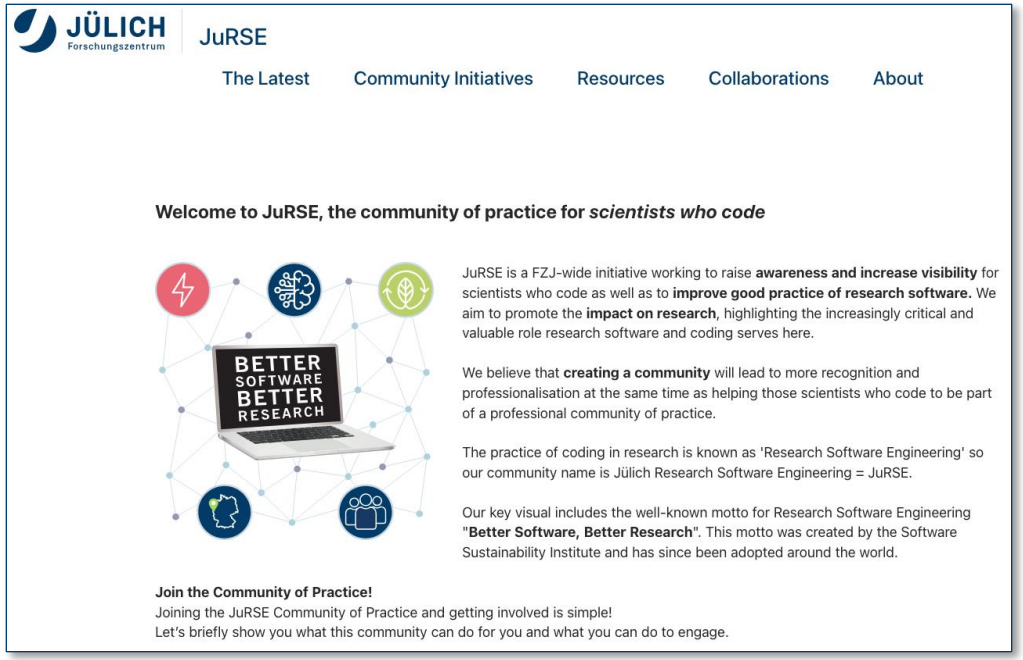
common concerns **common challenges** **interest in a topic**

come together to fulfil both individual and group goals

They focus on **sharing best practice** **creating new knowledge**

to **advance a domain of professional practice.**

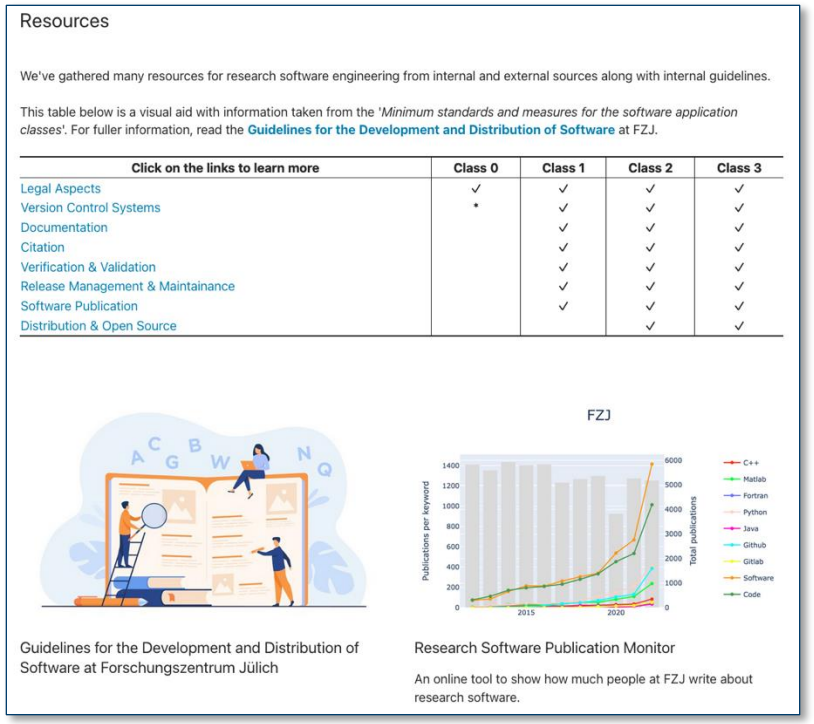
JuRSE – Jülich RSE Community of Practice



- **Increase good practice, visibility and awareness**
- **Encourage adoption of the software and publication guidelines**

Software Guidelines

GUIDELINES FOR THE DEVELOPMENT AND DISTRIBUTION OF SOFTWARE AT FORSCHUNGSZENTRUM JÜLICH



Resources

We've gathered many resources for research software engineering from internal and external sources along with internal guidelines.

This table below is a visual aid with information taken from the '*Minimum standards and measures for the software application classes*'. For fuller information, read the **Guidelines for the Development and Distribution of Software** at FZJ.

Click on the links to learn more	Class 0	Class 1	Class 2	Class 3
Legal Aspects	✓	✓	✓	✓
Version Control Systems	*	✓	✓	✓
Documentation		✓	✓	✓
Citation		✓	✓	✓
Verification & Validation		✓	✓	✓
Release Management & Maintainance		✓	✓	✓
Software Publication		✓	✓	✓
Distribution & Open Source			✓	✓

Guidelines for the Development and Distribution of Software at Forschungszentrum Jülich

Research Software Publication Monitor

An online tool to show how much people at FZJ write about research software.

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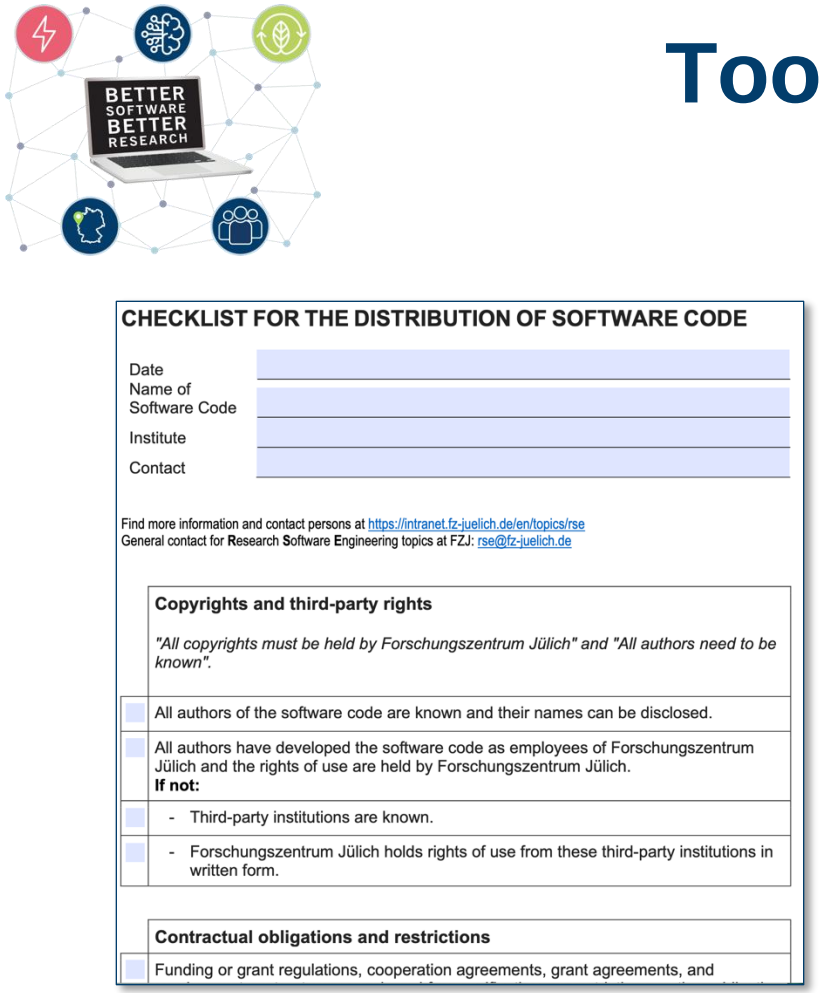
Tools - Software Guidelines



CHECKLIST FOR THE DISTRIBUTION OF SOFTWARE CODE

Date
Name of Software Code
Institute
Contact

Find more information and contact persons at https://intranet.fz-juelich.de/en/topics/rse
General contact for **R**esearch **S**oftware **E**ngineering topics at FZJ: rse@fz-juelich.de

Copyrights and third-party rights

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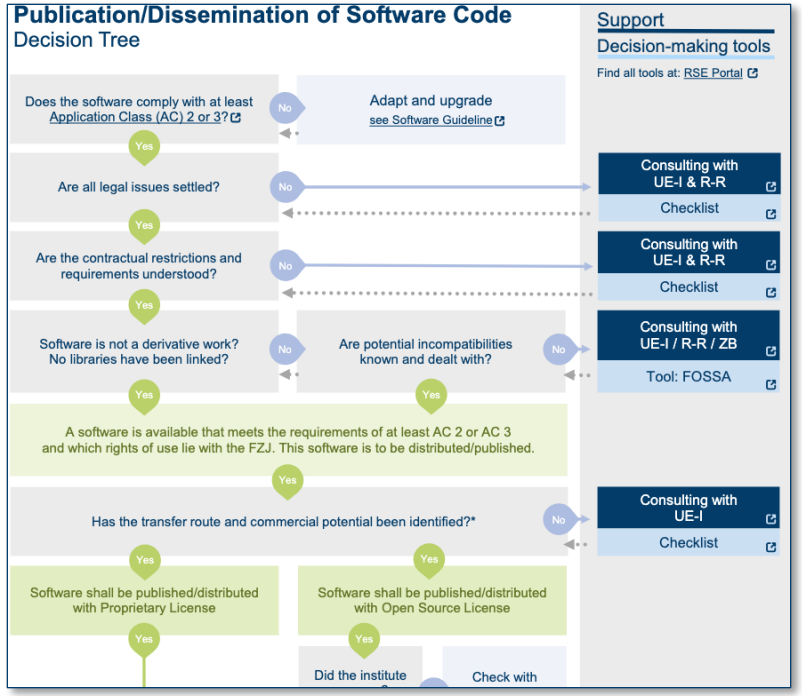
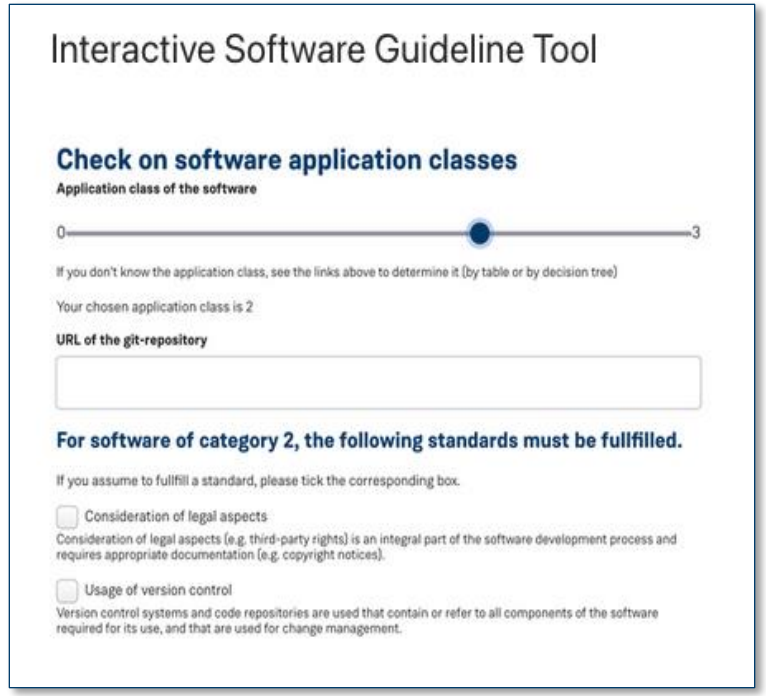
  If not:
  - Third-party institutions are known.
  - Forschungszentrum Jülich holds rights of use from these third-party institutions in written form.

Contractual obligations and restrictions

- Funding or grant regulations, cooperation agreements, grant agreements, and





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Publications Directive

2.2 The procedure regulated subsequently in B. (Procedure) is applicable to all scientific publications according to A 2.1, especially in the form of:

- journal articles
- preprints
- Jül-Bericht or articles in a series of works published by Jülich's publishing house
- habilitations
- doctoral theses
- theses such as bachelor's and master's theses (insofar as they are to be published)
- books or book chapters
- conference papers
- research software
- research data

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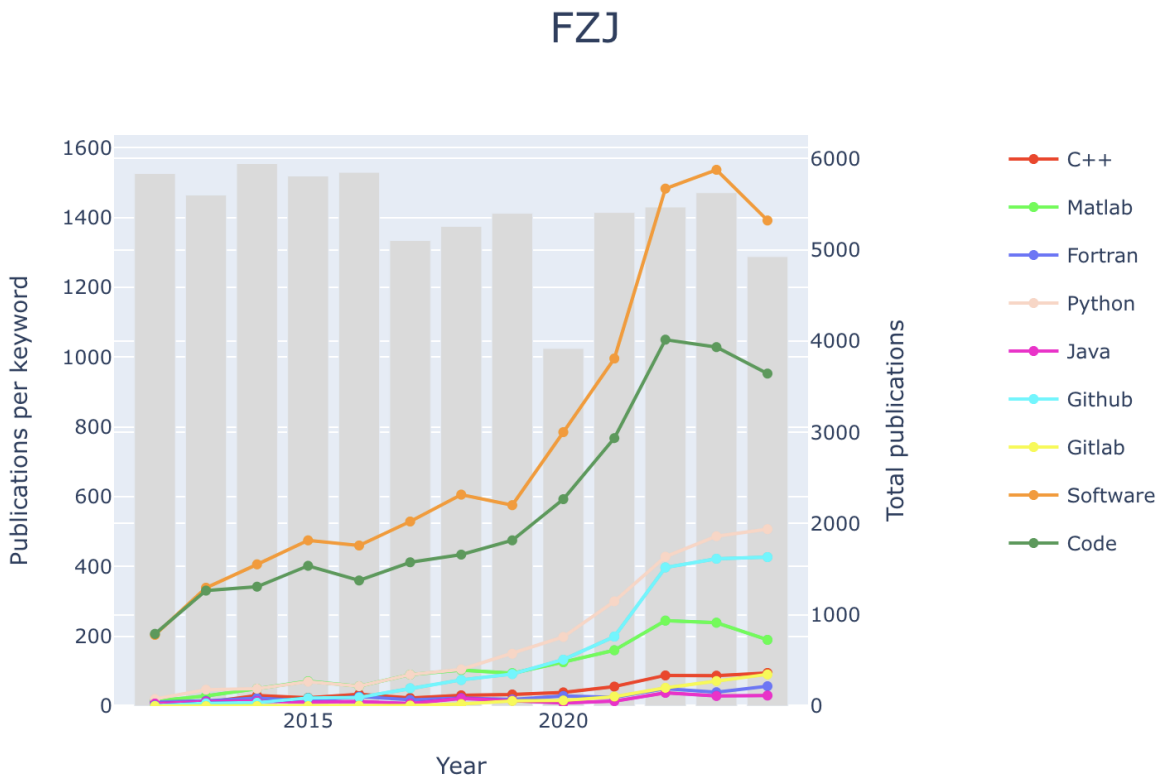
Research Software Publication Monitor

Publications from the whole JuSER publication database.



https://go.fzj.de/rse-publication-monitor

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JuRSE – Jülich RSE Community of Practice

Join the community platform (online)

Meet other RSEs at FZJ and Germany!

Join us at JuRSE Open Hours

In-person and online, we're here to help!

JuRSE Code of the Month

A code in the spotlight

JuRSE Newsletters

Read about RSE News, events, blogs and podcasts

JuRSE Travel Grants

Go to an RSE Conference on us!

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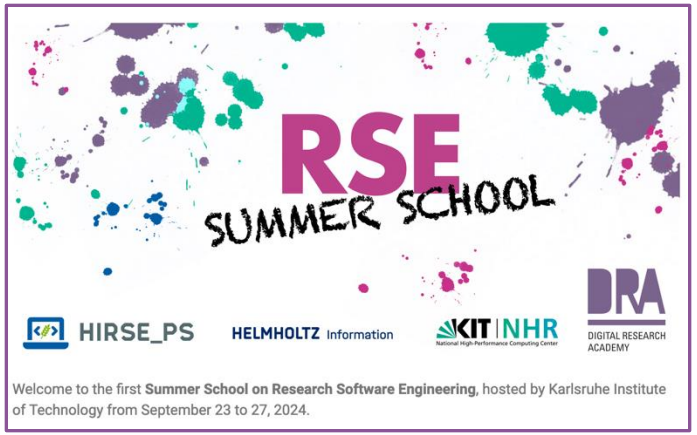
JuRSE – Jülich RSE Community of Practice and HiRSE (Helmholtz RSE)

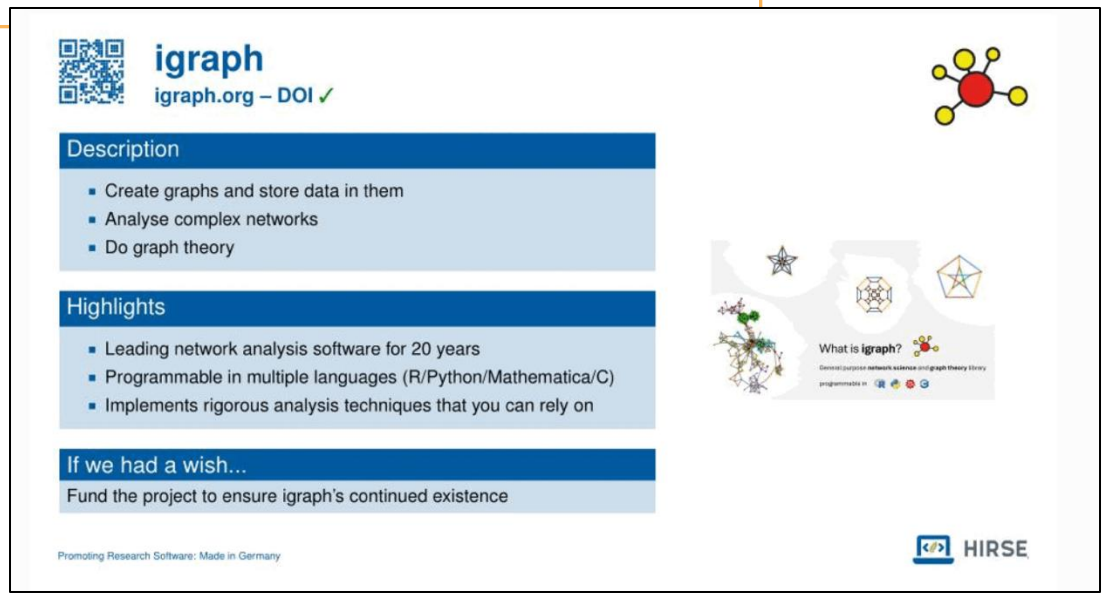
HIRSE

The HiRSE Seminar Series



The HiRSE Code Promotion

shining a light on German RSEs' work



JuRSE – Jülich RSE Community of Practice

Future Plans

- Hiring a team member to support our activities (also within FutuRSI)
- Planning our first JuRSE led training session on automated testing
- Giveaways
- Monthly Community Calls
- Building the community in all institutes
- Continue to give seminars around FZJ about the guidelines
- Support the adoption of the new software quality indicator