



CONFERENCE WÜRZBURG 2024

Contribution ID: 50

Type: **Workshop or Hackathon**

FAIR and Reproducible Code

Tuesday, March 5, 2024 9:30 AM (2h 30m)

This workshop is organised by the German Reproducibility Network.

<h3 id="title-fair-and-reproducible-code">Title: FAIR and Reproducible Code</h3>

<h3 id="abstract">Abstract</h3>

<p>Let's talk about good practices in research as well as research software engineering! We love the saying "Better Software, Better Research", but what we actually need to do in practice? In this workshop we share best practices on how to make your work FAIR and reproducible and then also discuss what that means for your project. How can I set up a reproducible project? How should I license my software? How can I make my materials findable and reusable? These and more questions will (hopefully) be answered as part of this workshop.</p>

<h3 id="goals">Goals</h3>

 Spotlight on the German Reproducibility Network Provide overview about current good practices Provide hands-on experience and implement first ideas

<h3 id="schedule">Schedule</h3>

Topic	Details	Speaker	Duration (min)
Arrival + Welcome	Welcome (from GRN+HIFIS)	Tobias	5
Introduction	The GRN and the idea of the workshop	Heidi	10
Talk session	Short talks introducing the 4 topics (5min + questions)	Heidi, Michael, Tobias, Max	40
Break			
Intro: World Cafe	How the world cafe works	Heidi	5
World Cafe	Participants can go to tables with experts on the 4 topics (15 minutes on each table)	all	65
Wrap-Up	Wrap-up (1 minute highlight per table)	Tobias (+ Heidi, Max, Michael)	5

<h3 id="topics">Topics</h3>

<p>4 topics: 4 talks + 4 world cafe tables (15min per round / per table)</p>

<h4 id="setting-up-a-fair-and-reproducible-project-repository">Setting up a FAIR and reproducible project repository</h4>

 The role of a README Folder structure and good naming for reproducibility and seamless collaboration Making contributions possible ...

<p>Expert: Heidi</p>

<h4 id="stabilizing-the-computing-environment">Stabilizing the computing environment</h4>

 Docker, VM, ... Different approaches to locking dependencies and/or environment VM vs. container images vs. *.lock files

<p>Expert: Michael</p>

<h4 id="software-and-data-licenses">Software and data licenses</h4>

 Licenses as a integral component to make your software and data FAIR and reusable

<p> Expert: Tobias</p>

<h4 id="reproducible-communication">Reproducible communication</h4>

 How to communicate research outputs in a reproducible and FAIR way? Quarto, Shiny co.

<p> Expert: Max</p>

Slot length

other(help with comment)

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Track Classification: Research Software (legacy): Research Data Management/ Research Software Management