

PVMD workshop - Software

15/06/2022 : 13:30-17:00

16/06/2022 : 13:30-17:00

Hosted by Maurits Kok and Santosh Ilamparuthi

Schedule

13:30 - Welcome

13:45 - FAIR software and reproducibility

14:30 - Version control

15:00 - **BREAK**

15:20 - Code quality (readability, reusability, robustness)

16:30 - Documentation

16:45 - Closing remarks and questions

Who am I?

Maurits Kok

Research Software Engineer at the [Digital Competence Center](#)

Background

- PhD in molecular biophysics
- Started as experimental physicist, moved towards stochastic modelling
- Work mostly in Python and MATLAB
- I don't have a computer science degree

Who are you?

- Name
- Background
- Motivation for this workshop
- OS and programming language
- **Did you bring a project?**

What will you do in this workshop?

- We want to teach you **good habits** that will make your work more accessible, trustworthy, and reproducible by others.
- We want to discuss the current practices in your group
- Try to adopt some best practices in your own code
- Ask questions, so we can look into the issues you are currently facing

Disclaimer: this workshop should be seen as an appetizer. Many of the topics would warrant separate 3 hour workshops.

References

These materials are composed of

- The Turing Way - [Guide for Reproducible Research](#)
- Utrecht University - [Best Practices In Writing Reproducible Code](#)
- Aalto University - [How To Make Your Research Reproducible and Reusable](#)
- Code Refinery - [Modular Code Development](#)
- Software Carpentry - [Programming With Matlab](#)
- Esther Plomp - [Open Science: Crash Course](#)

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