Software Engineering Initiative of DLR

Andreas Schreiber, Carina Haupt, Tobias Schlauch
German Aerospace Center (DLR)

SC17 Birds of a Feather: Software Engineering and Reuse for Computational Science and Engineering
DLR
German Aerospace Center

• Research Institution
• Space Agency
• Project Management Agency

• Approx. 8000 employees across 40 institutes and facilities at 20 sites

• Approx. 3500 employees develop software (equiv. ~1500 fulltime staff)
Software Engineering Initiative of DLR
Software Engineering Network

Network consists of representatives from all DLR institutes concerned with software development
Software Engineering Guidelines

Guidelines support developers to self-assess their software concerning good development practices
Tools

Essential development tools are centrally offered to support DLR developers.

- Git
- Issue Tracker
- Code Review
- Continuous Integration
- GitLab
- ...

...
Trainings

Regular trainings are offered to provide hands-on experience in applying the guidelines and the DLR development tools.
Knowledge and Experience Exchange

Internal Wiki space to share software engineering knowledge and experiences

Regular knowledge exchange workshops are held to actively involve DLR scientists and to foster exchange.
Software Engineering Initiative of DLR

Want to learn more? Contact us!

Carina Haupt
Head of Software Engineering Group
Carina.Haupt@dlr.de

Tobias Schlauch
DLR Software Engineering Representative
Tobias.Schlauch@dlr.de

DLR Simulation and Software Technology
http://www.DLR.de/sc