

# Software Engineering Initiative of DLR

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German Aerospace Center (DLR)

SC17 Birds of a Feather: Software Engineering and Reuse  
for Computational Science and Engineering



Knowledge for Tomorrow



# 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 Initiative of DLR

**Network**

**Guidelines**

**Tools**

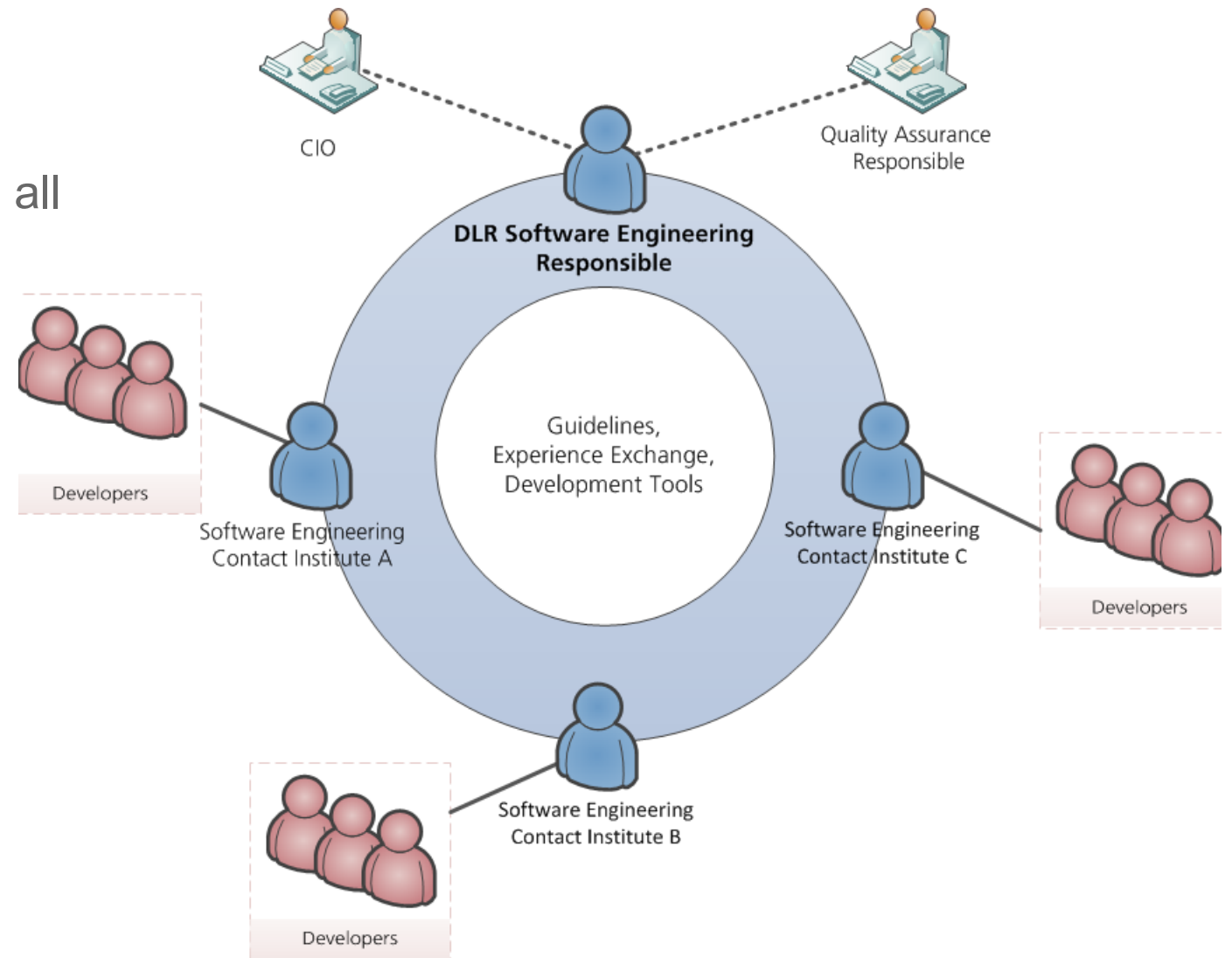
**Trainings**

**Knowledge  
and  
Experience  
Exchange**



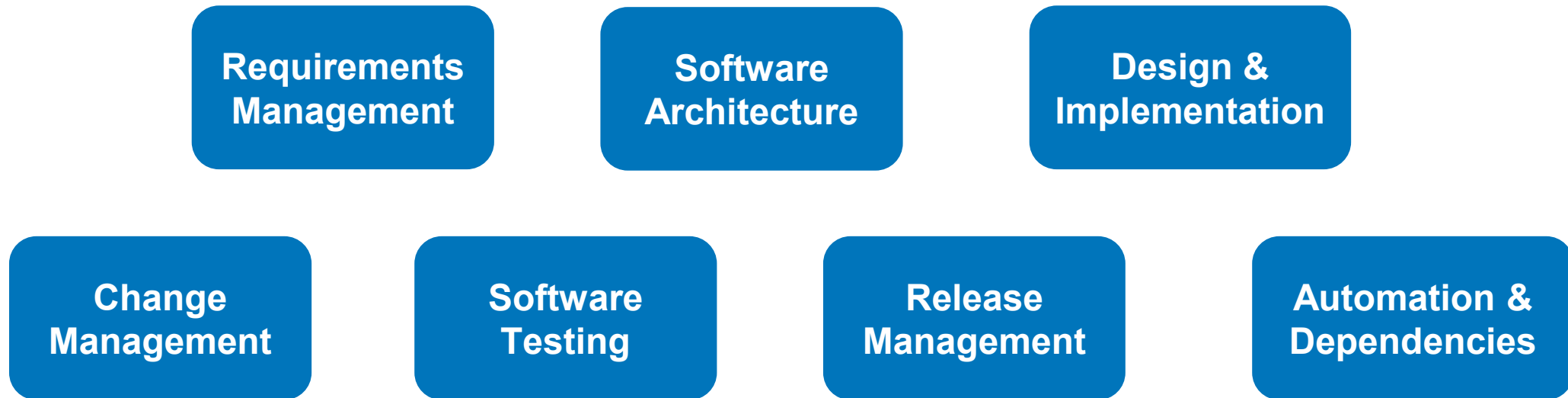
# Software Engineering Network

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



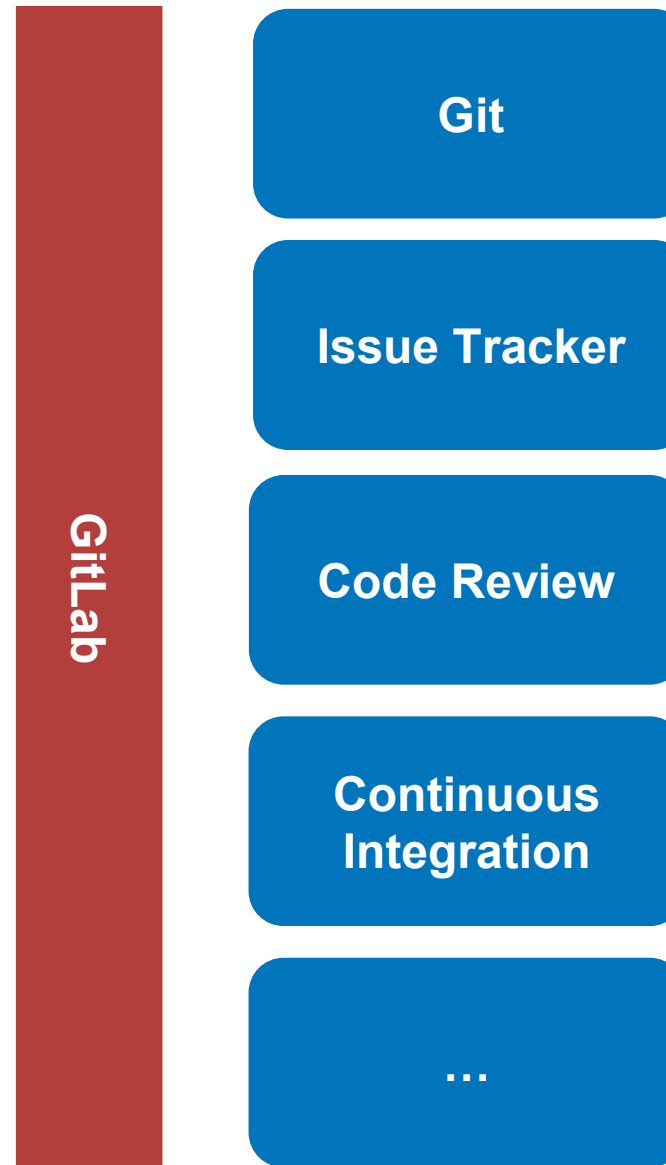
# Software Engineering Guidelines

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



# Tools

Essential development tools are centrally offered to support DLR developers



# 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

Created by Pliewischkies, Andre, last modified by Schlauch, Tobias on 10. February 2017

**Welcome to the *SoftwareEngineering.Wiki!***


The *SoftwareEngineering.Wiki* is the place to create, share and discuss software engineering content with colleagues on a working-level! We aim for an open and constructive exchange of ideas. Therefore, feel free to share your knowledge and encourage others to do so as well!

- **Before you start:** Please visit the Get Involved! section and subscribe to our Blog!
- **Any Software Engineering related question?** You can ask it directly in the Ask a Question section!
- **You require more information how you can approach the topic software development in general?** This document [provides an overview about general recommendations](#) (German only, chapter 4). In addition, your [Software Engineering Contact](#) is able to support you!

This Wiki space is moderated by [Simulation and Software Technology](#). In addition, this work is supported and funded by DLR's central IT department.


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### Get Involved!




Get Involved!

### Ask a Question




Ask a Question

### Topics




Learn about specific SE Topics!

### Literature




Find out about useful SE readings!

### Tools




Learn about specific SE Tools!

### Best Practices



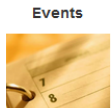
Programming recommendations, how-tos and more!

### Software Project Manual



Learn how to organize your software project!

### Events



Find out about upcoming workshops, presentations, or trainings!

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### Blog Posts

- [Aus DLR Open Blog: Folge-WAW DLR Open II - Thema und Termin steht - Anmelden!](#) created by Haupt, Carina 06. April 2017 Software Engineering
- [SUMO als Projekt bei der Eclipse Foundation](#) created by Hilbrich, Robert 05. April 2017 Software Engineering
- [Interesting Summary of Google's Software Engineering Practices](#) created by Schlauch, Tobias 09. March 2017 Software Engineering



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### Latest Questions

- [Experience with Django framework](#) [question](#) [software-engineering](#) [django](#)
- [I want to upstream a \(small\) patch, what form of signoff do I need from whom?](#) [question](#) [software-engineering](#) [open-source](#)
- [Perl Distribution für Windows im DLR](#) [question](#) [software-engineering](#) [perl](#)

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### Latest Changes

-  **Schlauch, Tobias** [Organisation EAWSE4](#) updated about 2 hours ago - view change
-  **Bachmann, Arne** [Vagrant](#) updated yesterday at





# Software Engineering Initiative of DLR

Want to learn more? Contact us!

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