Developing and Managing Research Software @ DLR

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Some Facts around Software Development

Some numbers…

• About 8,200 employees
• More than 25% of personnel resources spend on software development

Variety of

• Fields
• Maturity
• Software technologies
• Team sizes
• Backgrounds

How to support scientists to develop sustainable software?
Software Engineering Research Group

Organizational context
• Part of Research institute

(RSE) team size
• 9

Remit
• SE Initiative, Consulting
• Research projects (months-years)

Funding model
• SE Initiative: Central IT
• Research projects: Grants
• Consulting: Grants / Other institutes base funding

Job security / career progression
• Staff hired on limited contracts, can become permanent

Governance
• Space program of DLR
Software Engineering Initiative of DLR

Network  Guidelines  Tools  Trainings  Knowledge and Experience Exchange
Our approach for DLR Details

- Software Engineering Network
- KnowledgeExperienceExchanges
- SoftwareEngineering.Wiki
- Trainings
- RSE Consulting
- Guidelines
There is a whole movement…

HIFIS (https://www.hifis.net)

de-RSE (http://www.de-rse.org/)

Helmholtz Task Group „Wissenschaftliche Software“ (https://os.helmholtz.de)