German-Dutch dialogue on the future of libraries

**Agile Teamwork & Handling Complex Problems in Scrum**

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1. Scrum on one slide
2. Scrum Team for AV-Portal
3. The Product: TIB AV-Portal
4. Scope of Scrum Team
5. Empowerment of Scrum Team
6. Handling Complex Problems
Scrum on one Slide

Sprint
2-4 weeks

Daily Scrum

Priority

Product Backlog

Sprint Backlog

Increment
1. Scrum on one slide
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Scrum Team for AV-Portal

Product Owner
- collects and prioritizes all requirements

Scrum Master
- supports team and organization

4 Developers
- implement the requirements
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TIB AV-Portal
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5. Empowerment of Scrum Team
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Scope of Scrum Team

- All work is done by a small Scrum team that is cross-functional
- “Cross-functional” means that the members have all the skills necessary to create value each Sprint.
- Skills of the AV-Portal Scrum Team:
  - frontend development
  - backend development
  - GUI
  - agile management
  - ...
Scope of Scrum Team

- The entire Scrum Team is accountable for creating a valuable, useful Increment every Sprint.
- The Scrum Team is responsible for all product-related activities from stakeholder collaboration, verification, maintenance, operation, experimentation, research and development, and anything else that might be required.
Creating Value: Traditional vs. Agile

Waterfall
- Requirements Specification
- Design
- Implementation
- Testing
- Deployment

Agile
- Planning
- Design
- Implementation
- Test
- Feedback
- Deploy
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Empowerment of Scrum Team

- (Scrum Teams) are self-managing, meaning they internally decide who does what, when, and how.
- (Scrum Teams) are empowered by the organization to manage their own work.
- For Product Owners to succeed, the entire organization must respect their decisions.
- Those wanting to change the Product Backlog can do so by trying to convince the Product Owner.
Management: Traditional vs. Agile

Traditional Pyramid

Agile Circle
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Handling Complex Problems

- Within short iterations (sprints), the Scrum team creates increments on which stakeholders can provide feedback (iterative-incremental approach).
- Early feedback allows for quick adaptation to changing requirements and circumstances.
- The Scrum team creates value in every sprint.
- In contrast: Traditional management relies on a long planning phase and a late Big Bang release, where feedback is obtained very late in the project.
Releases: Traditional vs. Agile

**Big Bang Release**

**Releases of Increments**
Quotations

All italicized passages in this presentation are quotations from: