

Continuous Release Planning in a Large-Scale Scrum Development Organization at Ericsson

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How Release Planning is Conducted in Large Agile Organizations?

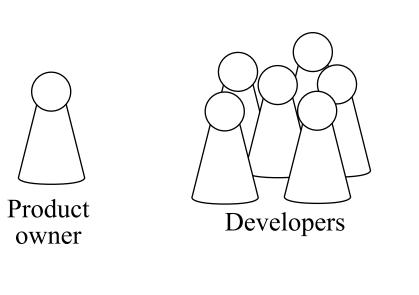
- 1. RQ: What was the release planning process?
- 2. RQ: What were the challenges related to the release planning process?
- 3. RQ: What were the benefits of the continous release planning process?

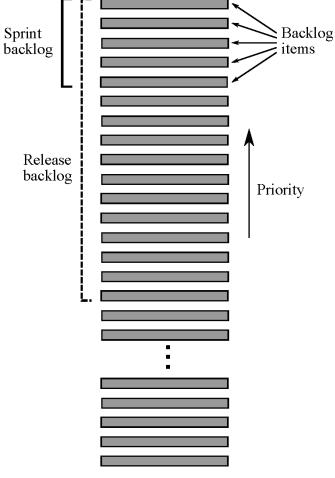


Quick Introduction to Scaling Agile



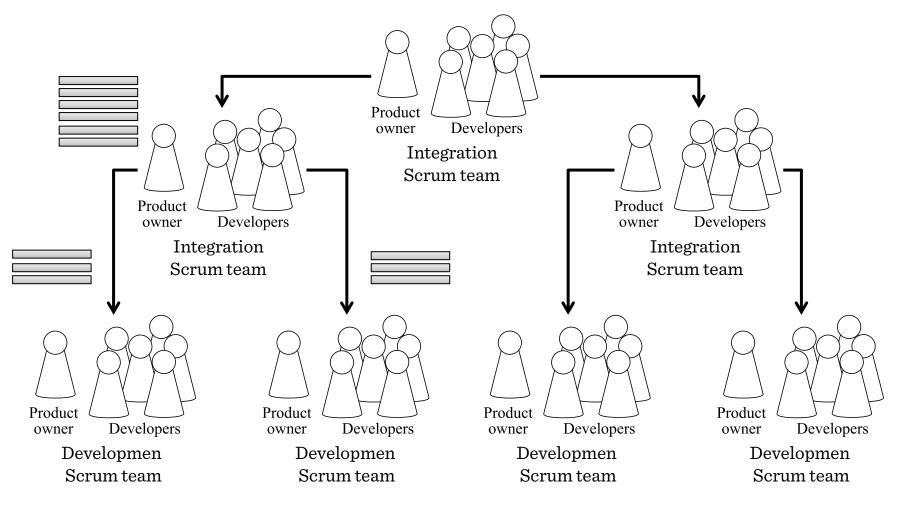
The Scrum Software Development Process for Small Teams





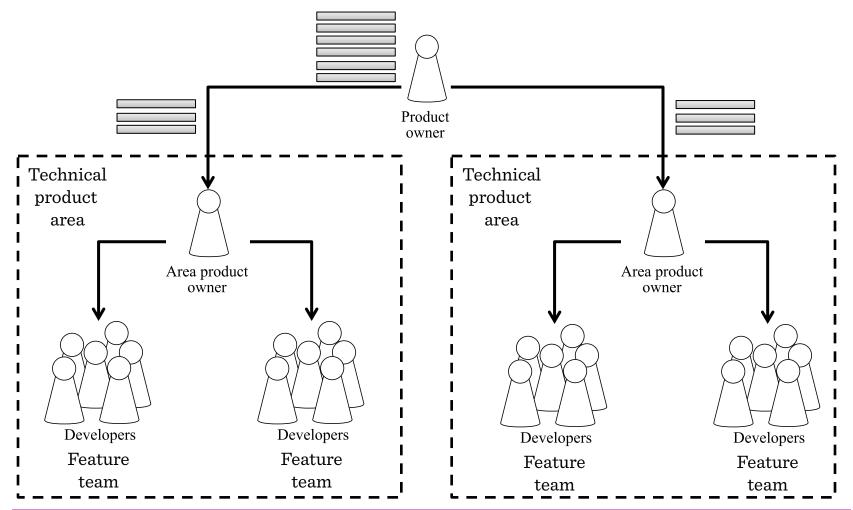


Scaling Agile: Schwaber 2007

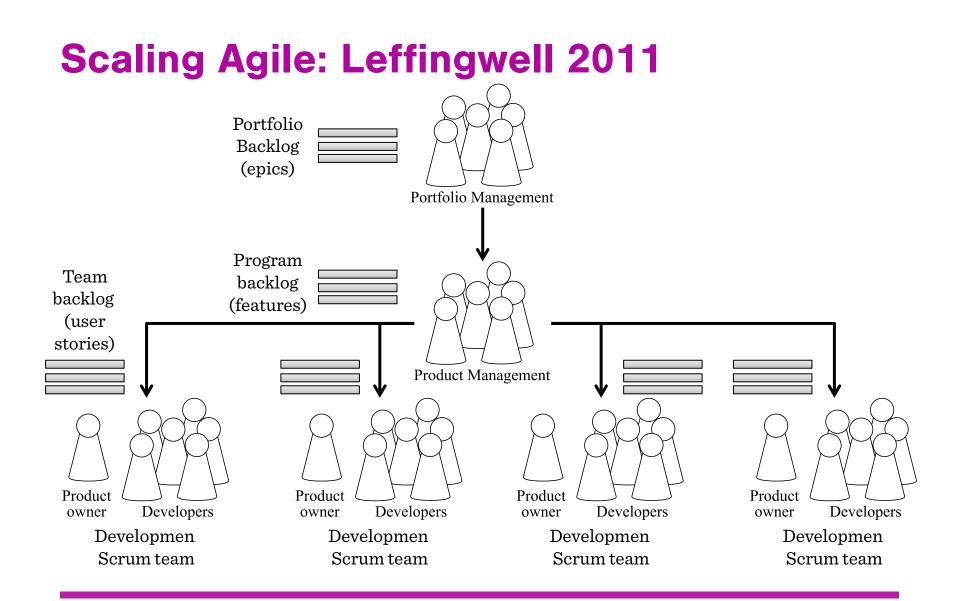


Aalto University School of Science

Scaling Agile: Larman & Vodde 2008







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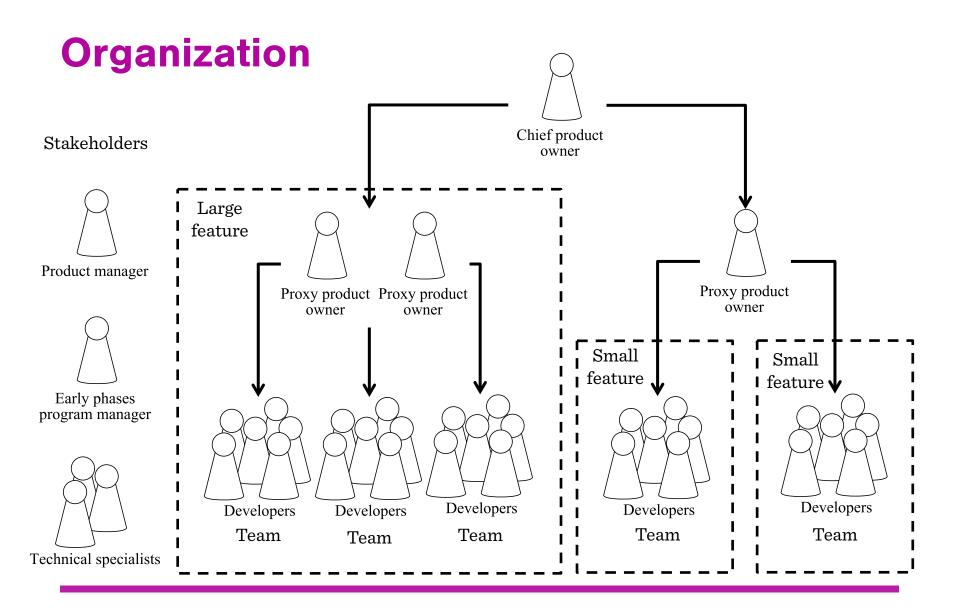
The Case Organization



Background

- Ericsson node development organization
- Large telecommunications node
- 10 year old software
- Agile "journey" begun in 2009, goals:
 - Decrease development lead time
 - Improve flexibility
 - Increase developer motivation
 - Increase QA efficiency
- Scrum chosen as the method
- In 2011, 20 development teams on 2 sites







Research methods



Data collection

- 39 semi-structured interviews
 - 28 in Finland
 - 11 in Hungary
- 1-3h per interviews
- Voice recorded
- Transcribed by Tutkimustie
- Imported into Atlas.ti

- ✓ 6 middle/upper managers
- ✓ 1 agile coach
- ✓ 6 Scrum masters
- ✓ 13 developers
- ✓ 3 line managers
- \checkmark 7 product owners
- ✓ 5 technical specialists / architects

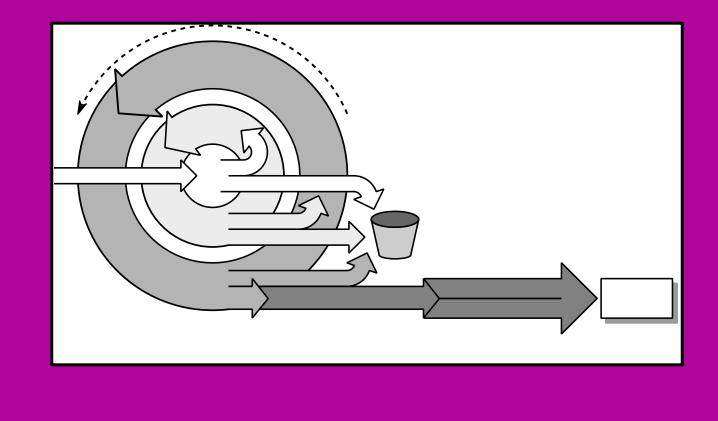


Analysis

- Grounded-theory inspired coding process
 - Initial concept list from RP and PM literature
 - Constant comparison
 - Combining concepts and forming categories
 - Total 625 coded passages
- Extracted passages
 - Related to organization or releas planning
 - Re-read all passages
 - Constructed results

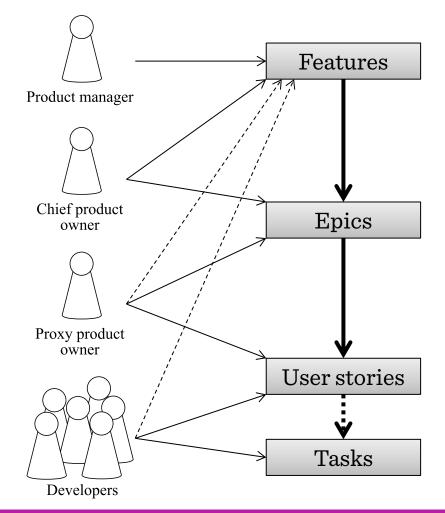


Results





Work Items



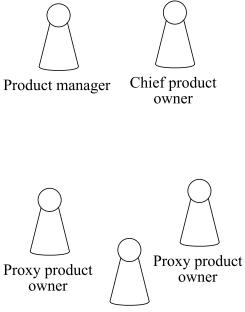


Steering Groups

The Portfolio Steerin Group

Product manager Chief product owner Technical specialists

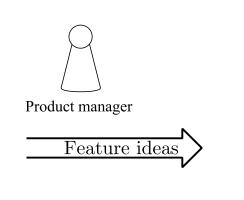
The Development Steering Group



Proxy product owner

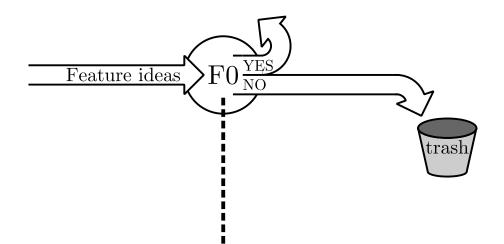


The Planning Process: Feature Ideas





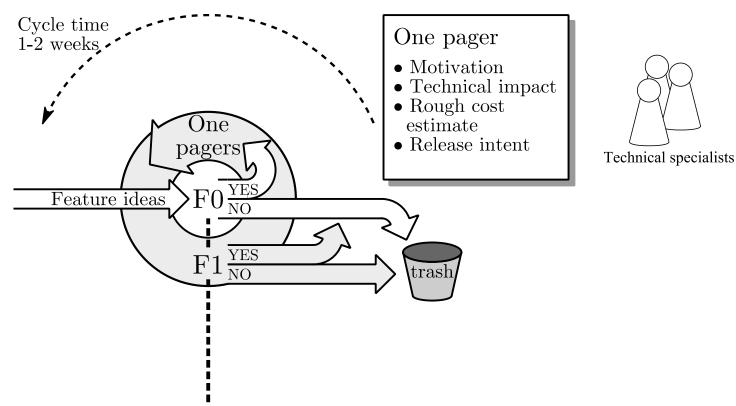
The Planning Process: F0 (early phases)



Portfolio steering group



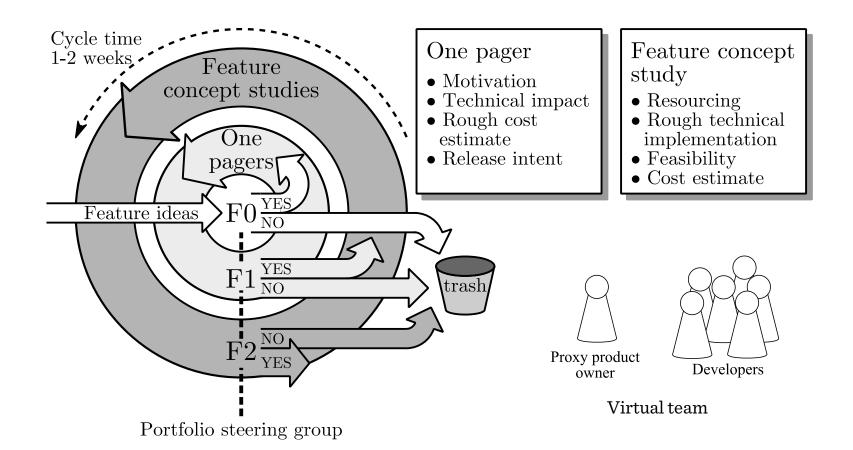
The Planning Process: F1 (early phases)



Portfolio steering group

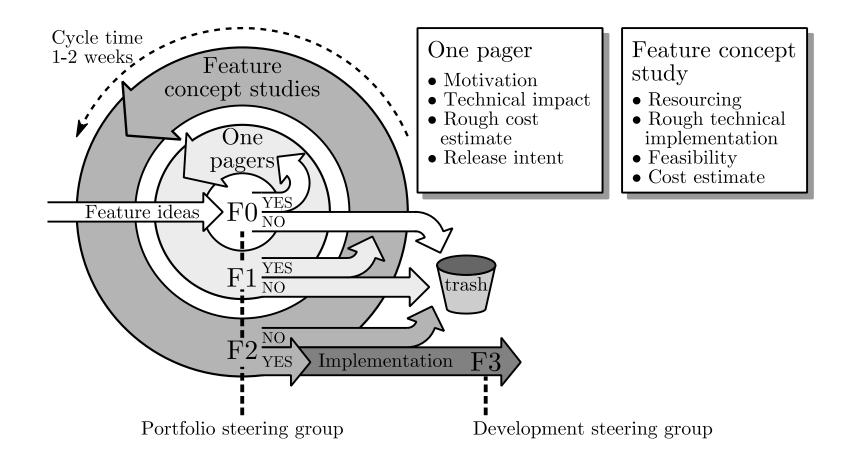


The Planning Process: F2 (early phases)



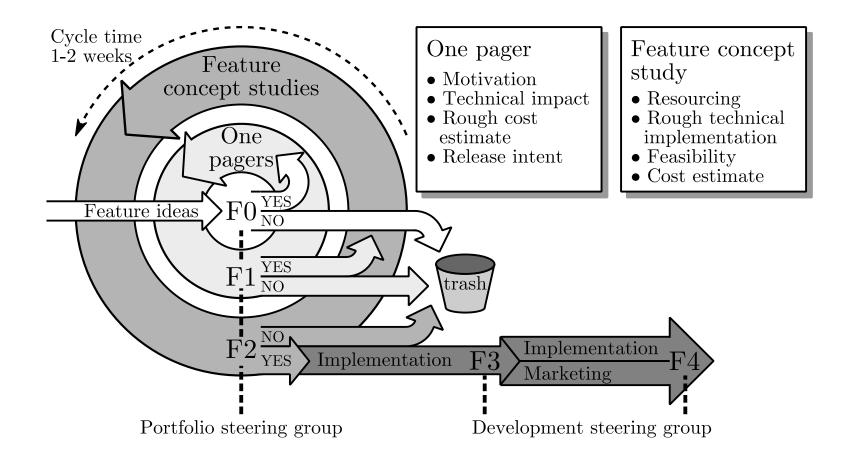


The Planning Process: F3



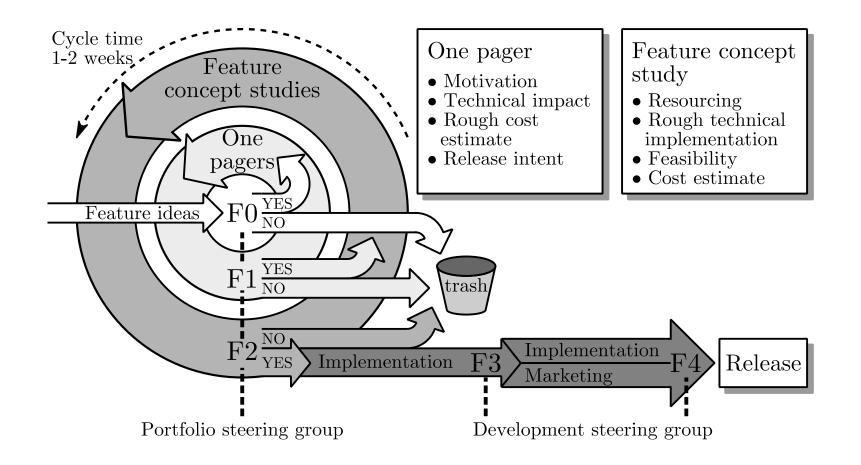


The Planning Process: F4





The Planning Process: Release





Release planning reiterated

- Tentative release plan for each feature in the One Pager
- Marketing of a feature can begin after F3
- Feature can be included in a release after F4
- Content of a release is based on *what is completed in time*



Challenges and Benefits



Challenges

- Overcommitment caused by external pressure
 - PM still in the "old world way"
 - Overcommitment near the release date
- Managing non-feature specific work
 - Things "falling between the cracks"
 - No guidance from Scrum
- Balancing between development efficiency and building generalist teams.
 - Complex system that often required specific skills
 - How much specialization?



Benefits

- Increased flexibility and decreased development lead time
 - PM could change release contents very quickly
 - Previously lead time was up to 3 years
- Eliminating waste in the planning process
 - Sunk costs very small during the early phases
 - Feature could be cut at any time if it was not profitable
- Increased developer motivation
 - Developers had visibility to the early phases

