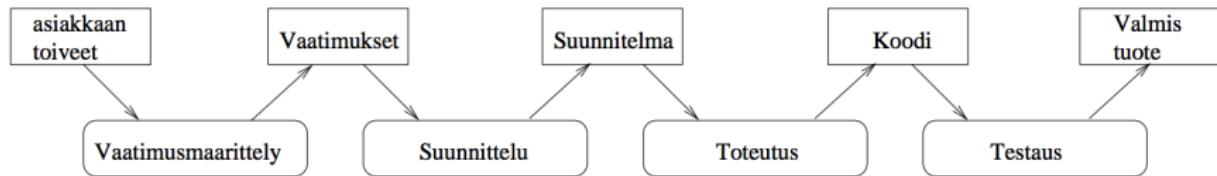


## Ohjelmistotuotanto

Matti Luukkainen ja ohjaajat Kalle Ilves, Petri Suhonen, Oskari  
Nuottonen, Tuukka Puonti

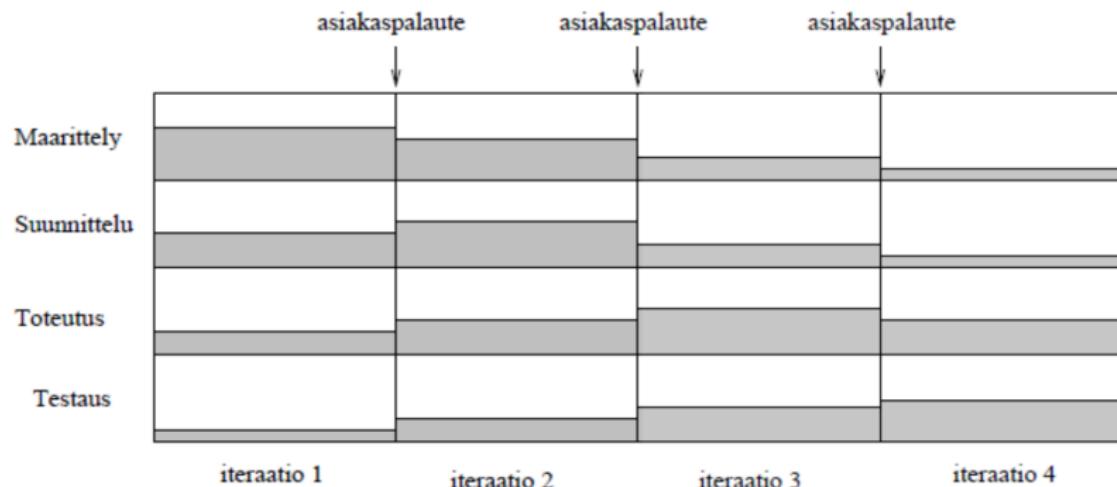
syksy 2022

# Vesiputousmalli



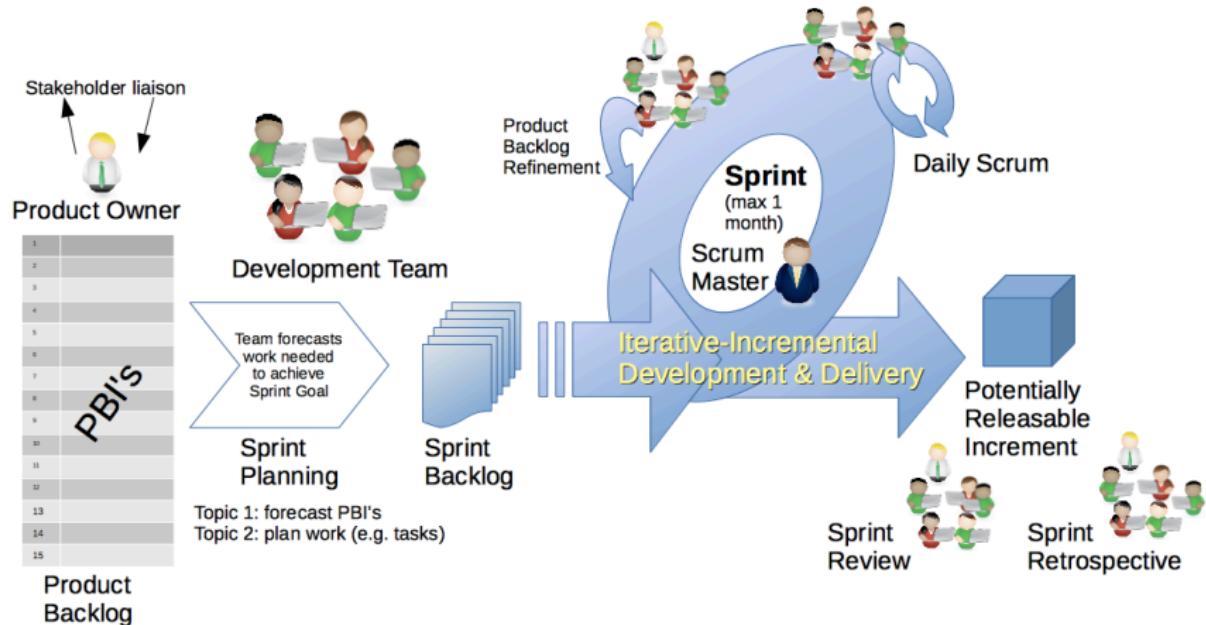
luento 1

# Iteratiivinen ohjelmistokehitys



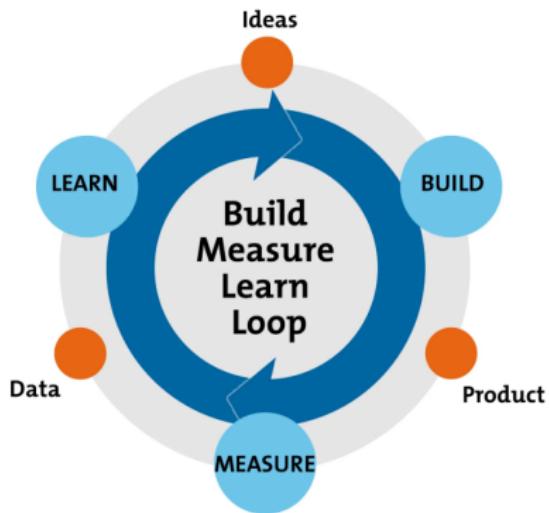
luento 2

# Scrum



# luento 3

# Vaatimusmäärittely 2010-luvulla: Lean startup

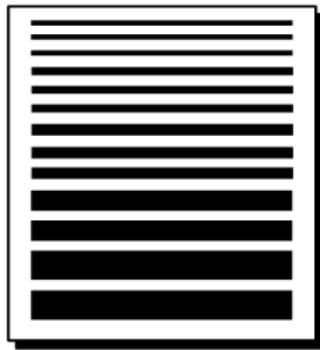


# User story

- ▶ Mike Cohn:
  - ▶ *A user story describes functionality that will be valuable to either user or purchaser of software.*
- ▶ User stories are composed of three aspects:
  1. A written description of the story, used for planning and reminder
  2. Conversations about the story to serve to flesh the details of the story
  3. Tests that convey and document details and that will be used to determine that the story is complete

# luento 4

High  
Priority

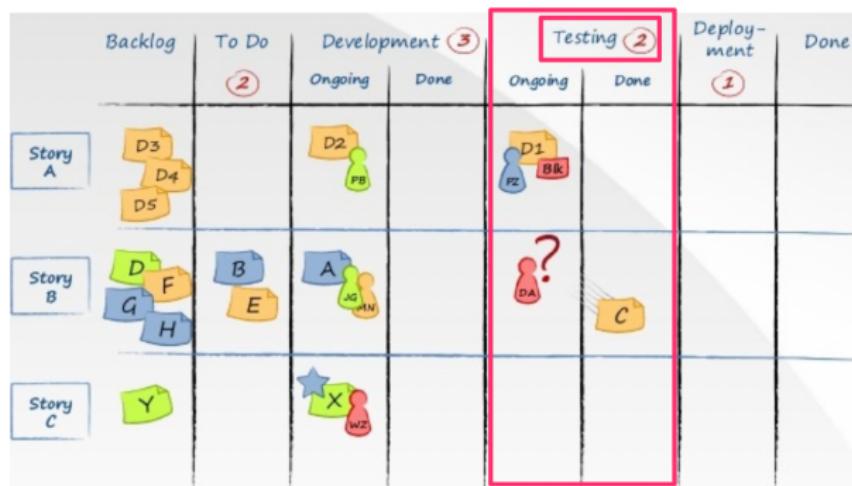


Fine-grained, detailed items ready  
to be worked on in the next sprint

Low  
Priority

Large, coarse-grained items

# WIP-rajoitteet



PBI	TASKS	IN PROGRESS	BLOCKED	DONE
1. Add PBI to scope				✓
2. PRD and SPRINT				✓
3. Add PBI descriptions & complexity				✓
4. PRD				✓
5. Define PBI priority	Sub: Create 2018 PRD (PPT slides and notes)	Sub: Summarize PRD (PRD notes)	Sub: Create PRD checklists	Sub: Create PRD checklist
6. Planning PBI backlog	Sub: Create PRD backlog	Sub: Refactor PRD backlog	Sub: Refactor PRD backlog	Sub: Refactor PRD backlog
7. Create PRD backlog	Sub: Create PRD backlog	Sub: Refactor PRD backlog	Sub: Refactor PRD backlog	Sub: Refactor PRD backlog
8. PRD				✓

luento 5

- ▶ *Yksikkötestaus* (unit testing)
- ▶ *Integraatiotestaus* (integration testing)
- ▶ *Järjestelmätestaus* (system testing)
- ▶ *Käyttäjän hyväksymistestaus* (user acceptance testing)

