Rational Unified Process (RUP) Model

P. Kruchten, 1999
About RUP

- RUP comes from a history of UP and OO techniques, as well as, the IDE efforts of various groups that merged
- RUP is heavily supported by an integrated toolset
- RUP is intended to be a more formal and mature (ala CMMI) approach to development
- RUP has been used successfully on many large projects

- It's basic principles are:
  - Develop software iteratively
  - Manage requirements
  - Use component-based architectures
  - Visually model software
  - Verify software quality
  - Control changes to software
Agile: SCRUM

- Self-organizing teams
- Product progresses in a series of month-long "sprints"
- Requirements are captured as items in a list of "product backlog"
- No specific engineering practices prescribed

Leading to Scrum-But process models
SCRUM Process Model

Sprint Planning Meeting

Sprint Goal

Sprint Tasks

30 Day (± 1 week) Sprint (design, code, test)

Daily SCRUM Meetings

Operational Functionality

Repeat Until Backlog is Gone

Prioritized Product Backlog

Sprint Backlog