

Agile Methods as Process Innovation Drivers

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Research context

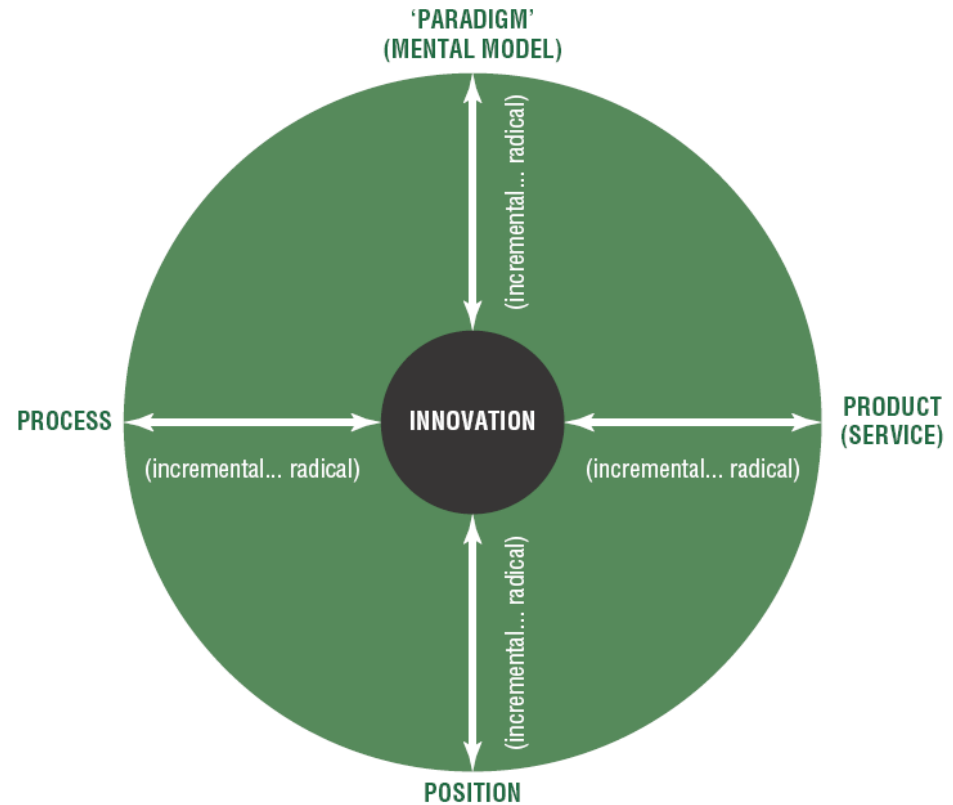
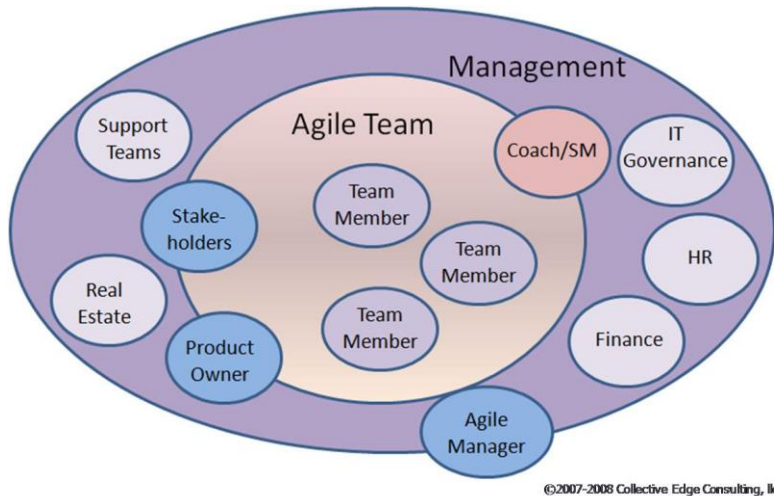


FIGURE 1.1: The 4Ps of innovation space

Adkins, Spayd: The Manager's Role in Agile, 2008.

<http://www.scrumalliance.org/articles/103-the-managers-role-in-agile>

Tidd, Bessant: Managing Innovation 4th ed. Integrating Tehnological, Market and Organizational Change, 2009

Research Objectives

- We want to understand:
 1. What kind of process innovations emerge from agile software development projects?
 2. What values, principles and practices drive innovation?
 3. How do the innovation process activities manifest in agile software development?
 4. How does agile software development improve the potential for process innovation?

Current Status

Systematic literature review

- Data extraction nearly done
- Initial analysis performed
- Findings: not much research done, mainly experience reports or diffusion of innovation studies (where agile is the innovation)

Research design

- Initial ideas turned into high-level designs
- Feedback from XP 2013 and ISPIM 2013

First case study

- Research subjects from work
- More detailed study design started

Benefits for the practice?

- What values, principles and practices seem to affect innovativeness of a company/team/project?
- Can agile methods drive innovation in also other contexts?
- Can we improve existing agile teams & stakeholders to be more innovative?

Areas for feedback & development

- Are the research questions relevant from your point of view?
- Suggestions for suitable research settings and methods? Especially ones that will increase the amount of research subjects?
- Any experiences from innovation maturity models? Or in general measuring “innovativeness”?
- Do you know any company or research group that might be interested in the topic?