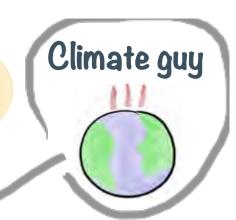
Agile - where are we at?

Keynote - Agile Tour Bangkok Nov 2017





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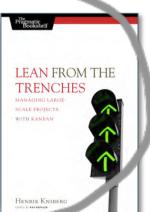
Organizational coach & Change Instigator

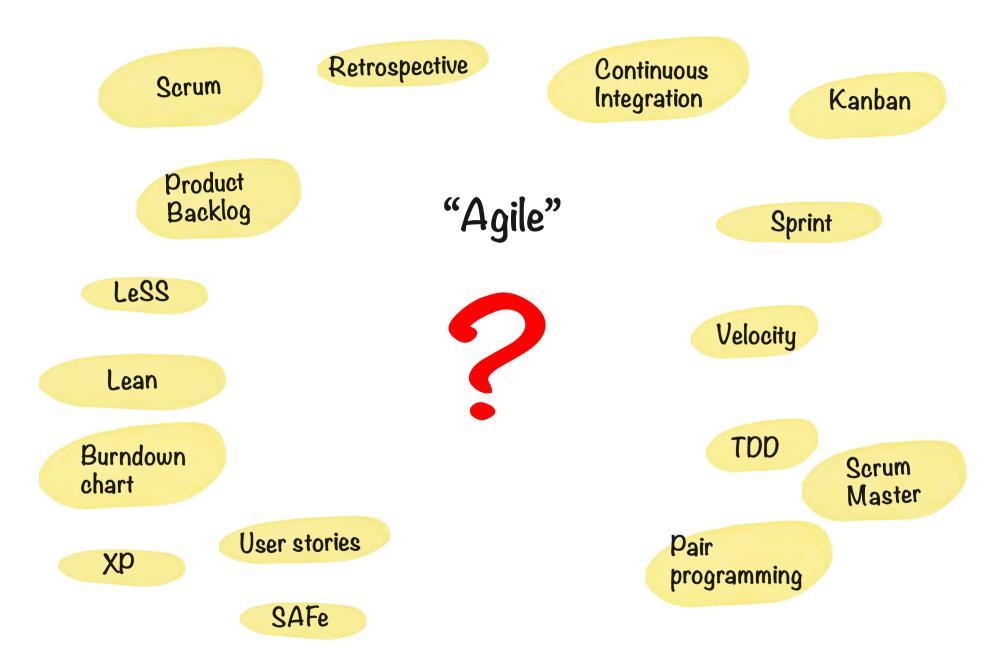




Author







Agile scaling

Agile Education

Agile project leadership

Agile hardware

Agile portfolio management

Modern Agile



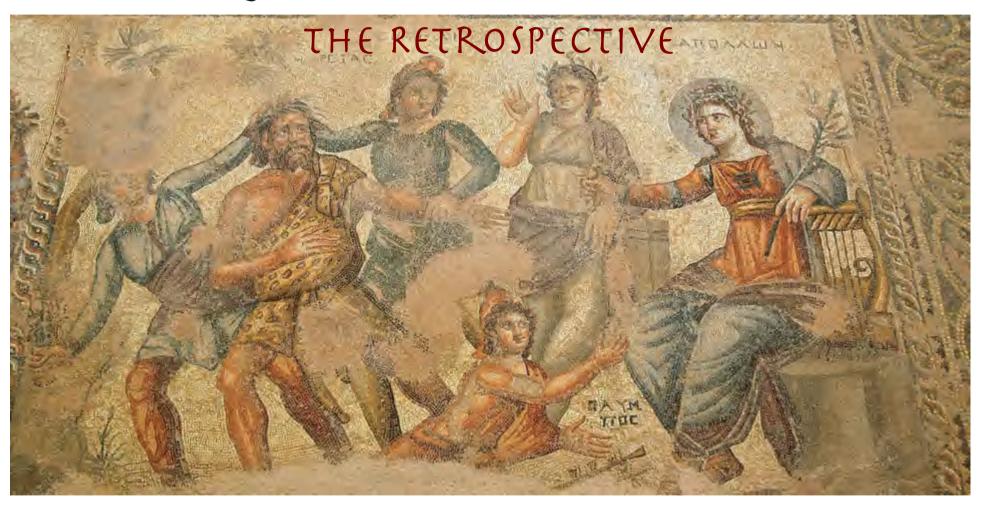
Agile contracting

Agile budgeting

Agile procurement

Agile HR

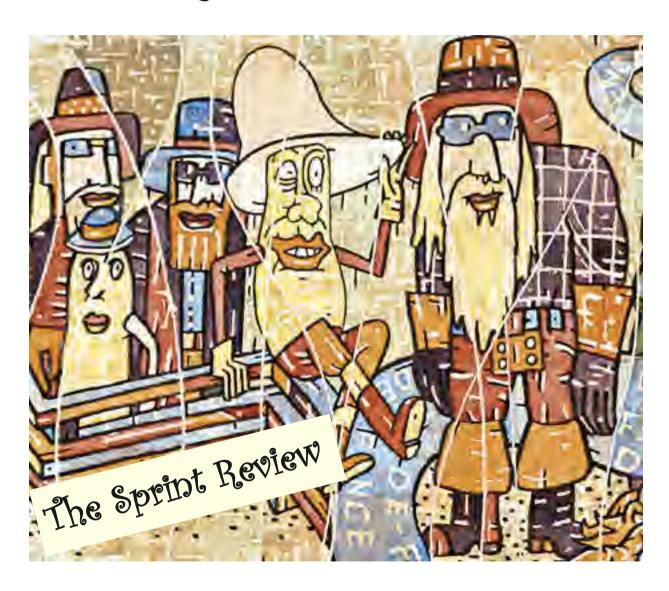
Ancient Agile?



Neoclassical Agile?

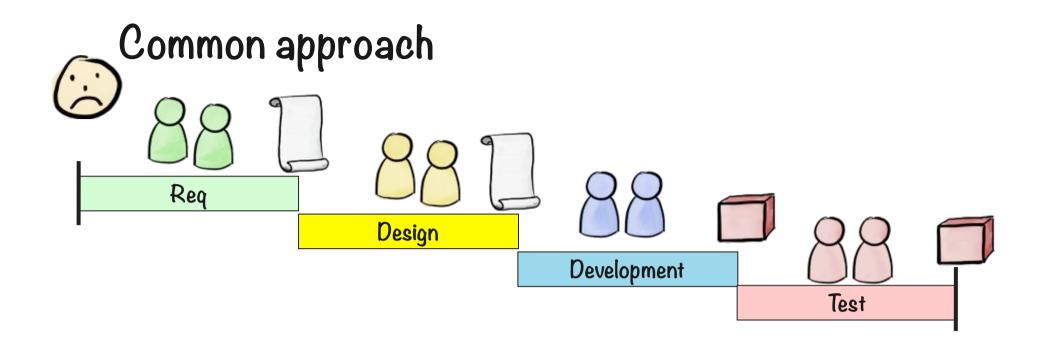


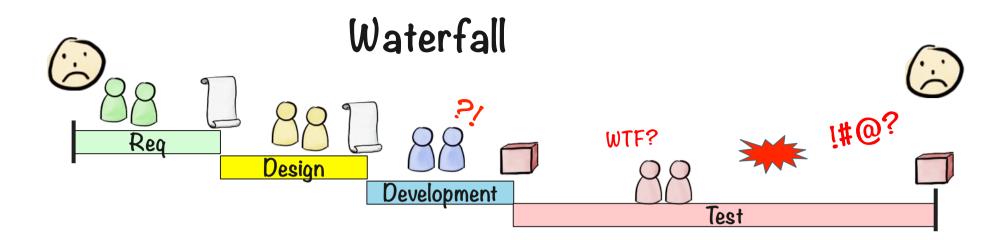
Postmodern Agile?



How I stumbled into this

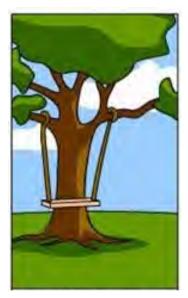








How the customer explained it



How the Project Leader understood it



How the analyst designed it



How the programmer wrote it



What the customer really needed



wiki.c2.com



Welcome Visitors

Welcome to the WikiWikiWeb, also known as "Wiki". A lot of people had their first wiki experience here. This community has been around since 1995 and consists of many people. We always accept newcomers with valuable contributions. If you haven't used a wiki before, be prepared for a bit of CultureShock. The usefulness of Wiki is in the freedom, simplicity, and power it offers.

This site's primary focus is PeopleProjectsAndPatterns in SoftwareDevelopment, However, it is more than just an InformalHistoryOfProgrammingIdeas. It started there, but the theme has created a culture and DramaticIdentity all its own. All Wiki content is WorkInProgress. Most of all, this is a forum where people share ideas! It changes as people come and go. Much of the information here is subjective. If you are looking for a dedicated reference site, try WikiPedia; WikiIsNotWikipedia!

- Browse via StartingPoints, or use the FindPage search facility to find your way.
- · Bookmark RecentChanges and watch how things change.
- Please pay attention to the tone of articles. See WelcomeToWikiPleaseBePolite.
- If you have beginner questions, you can see NewUserQuestions.
- When learning TextFormattingRules to edit pages, please use the WikiWikiSandbox for all your trial edits.
- . If you have any other questions, ask the WikiHelpDesk, and be patient.
- · The WikiEngines page provides a reference to WikiImplementations.
- You can also select one of the RandomPages, so with some luck, you start on a good point.
- People should know a little WikiHistory.



Pattern Index

he book PatternLanguagesOfProgramDesign ttp://hillside.net/patterns/books/Details/070.h atterns. Many of them are accessible on line.

ce CategoryPattern index.

he GangOfFour wrote up 23 DesignPatterns, peir work:

ExtensionObjects

HiddenManagers

hey are also interested in UsesOfGofPatterns.

ome pattern languages that are useful for large business applications.

CrossingChasms

RelationalDatabaseAccessLayer

ErrorHandling

DecouplingObjects (DecouplingOfObjectOrientedSystems)

FrameworkConstruction

other sets of patterns (often pattern languages).

- · UserInterfacePatterns
- · MessagingPattern
- SystemOfNames
- TransactionsAndAccounts
- DebuggingPatternLanguage
- TestingPatterns

Manifesto for Agile Software Development

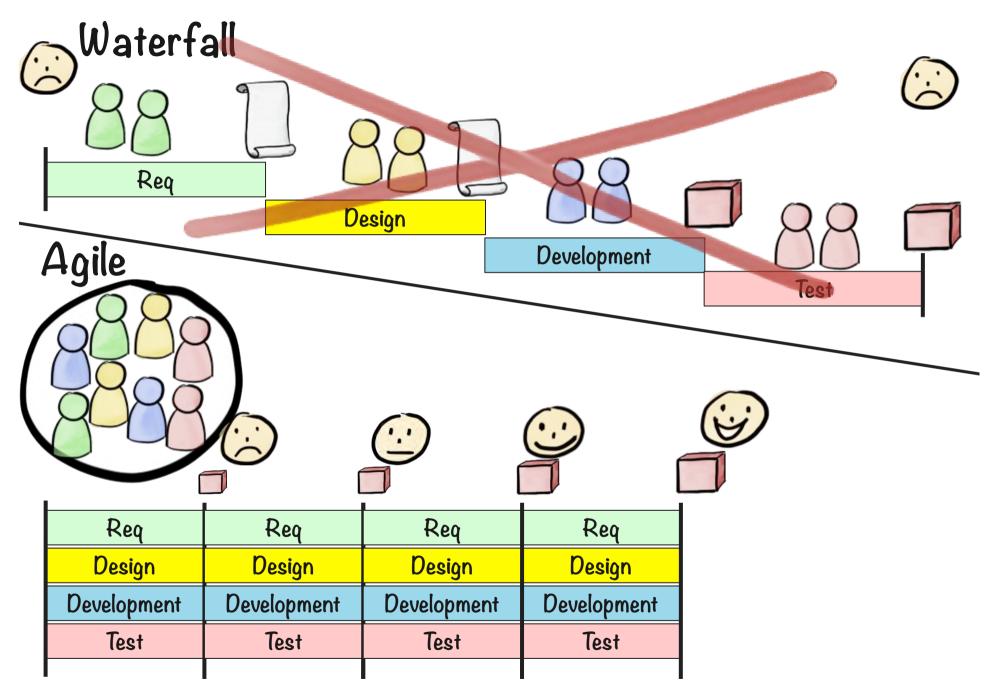
We are uncovering better ways of developing software by doing it and helping others do it. Through this work we have come to value:

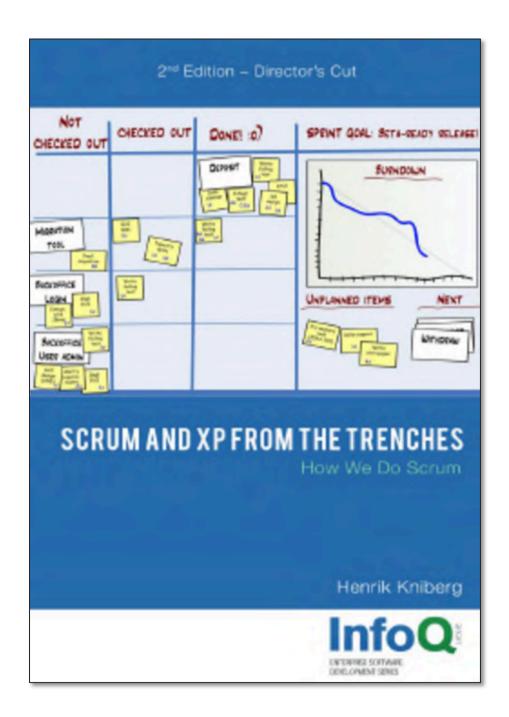
Individuals and interactions over processes and tools
Working software over comprehensive documentation
Customer collaboration over contract negotiation
Responding to change over following a plan

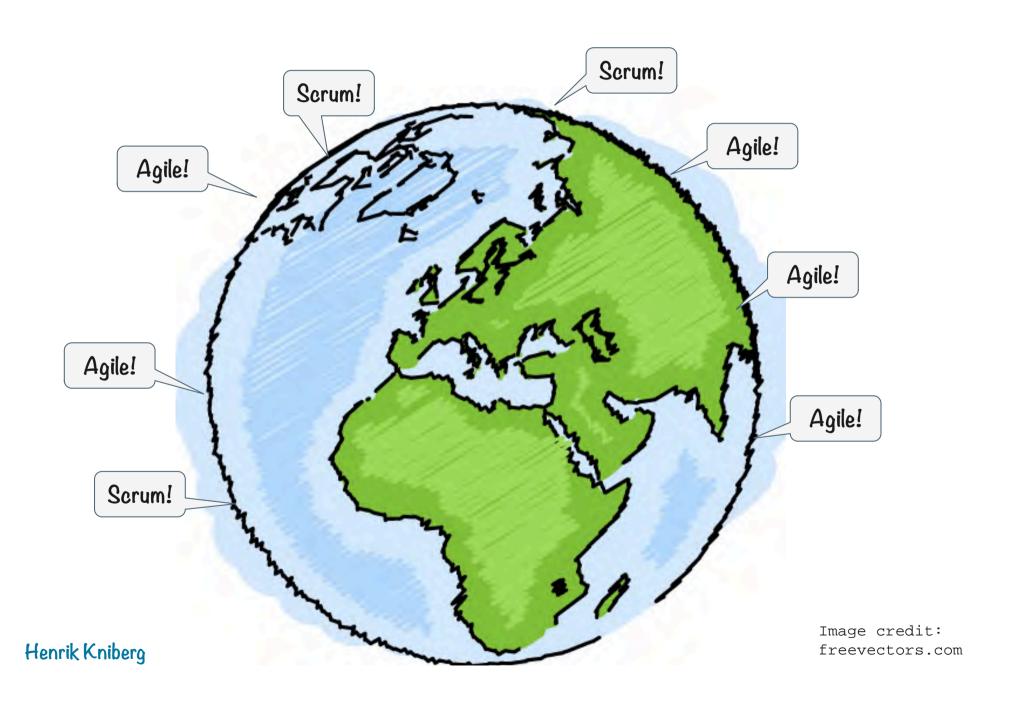
That is, while there is value in the items on the right, we value the items on the left more.

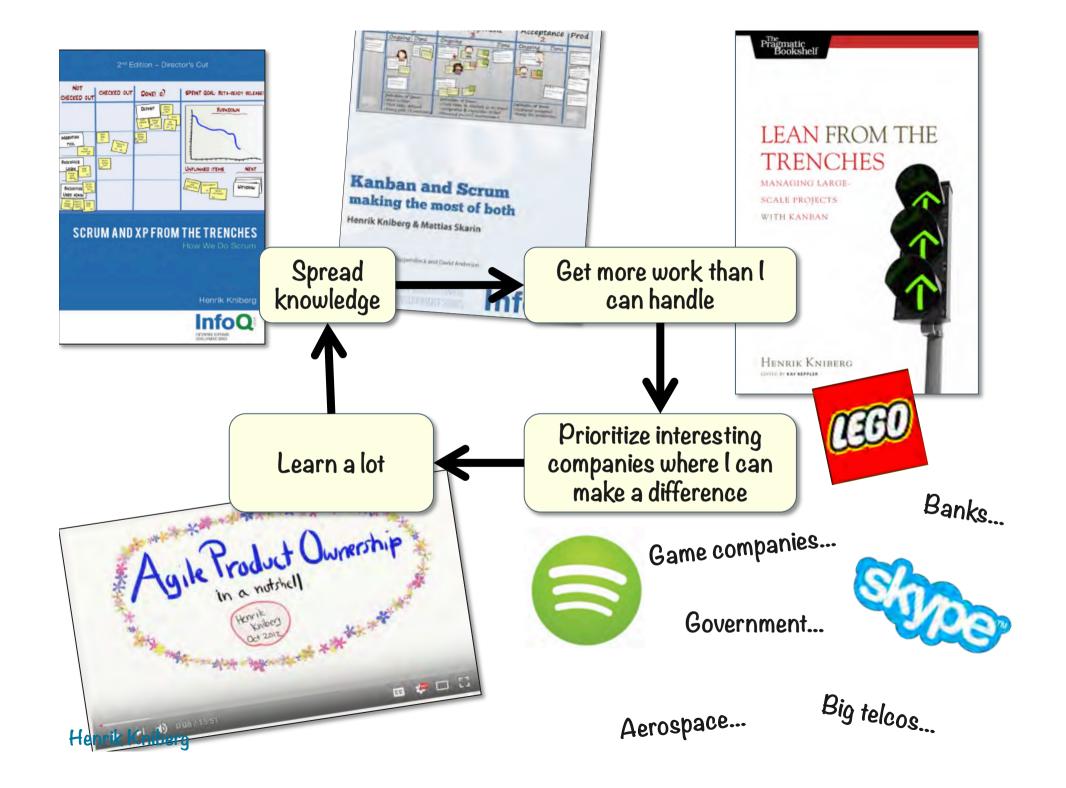
Kent Beck Mike Beedle Arie van Bennekum Alistair Cockburn Ward Cunningham Martin Fowler James Grenning Jim Highsmith Andrew Hunt Ron Jeffries Jon Kern Brian Marick

Robert C. Martin Steve Mellor Ken Schwaber Jeff Sutherland Dave Thomas

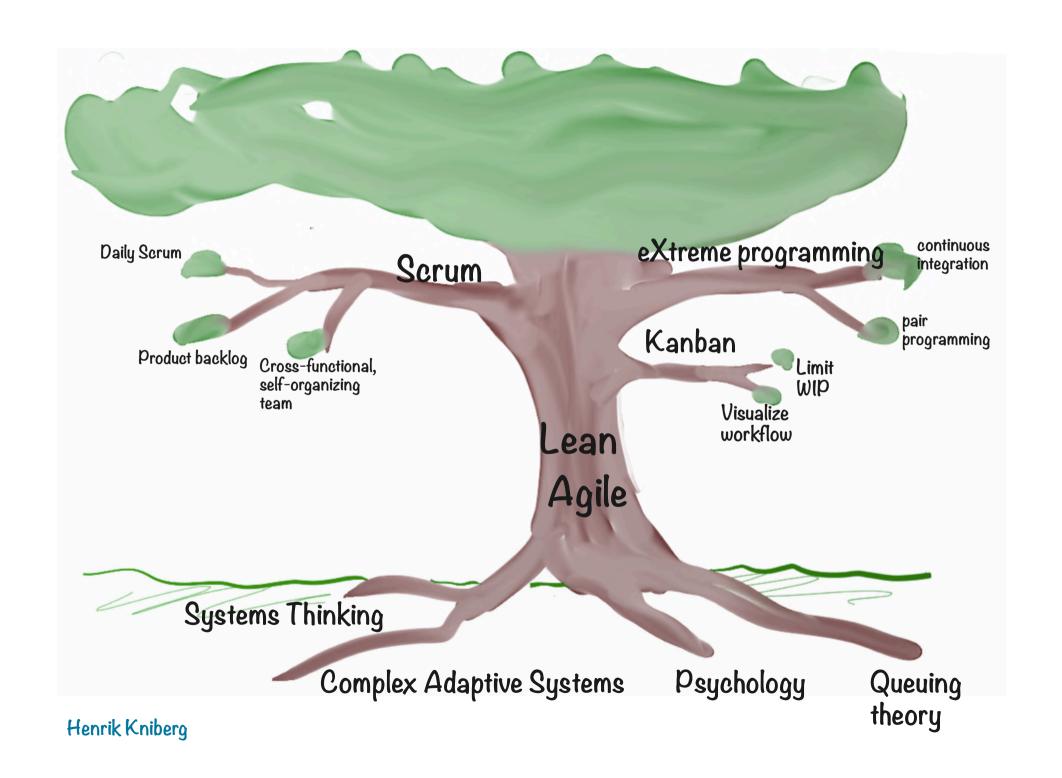








Starting seeing a pattern









100% resource utilization = 0% flow

Max utilization, Slow flow

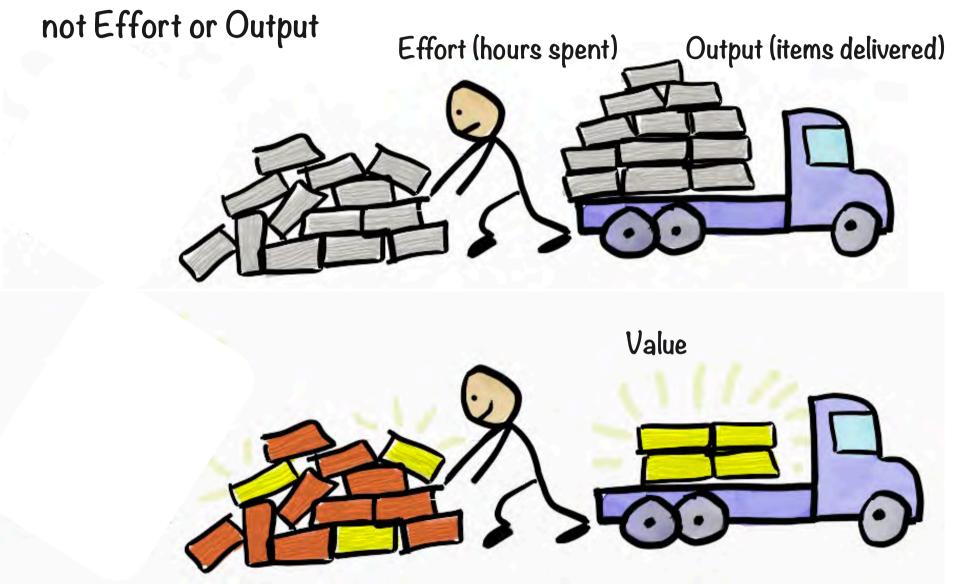


Low utilization, Fast flow

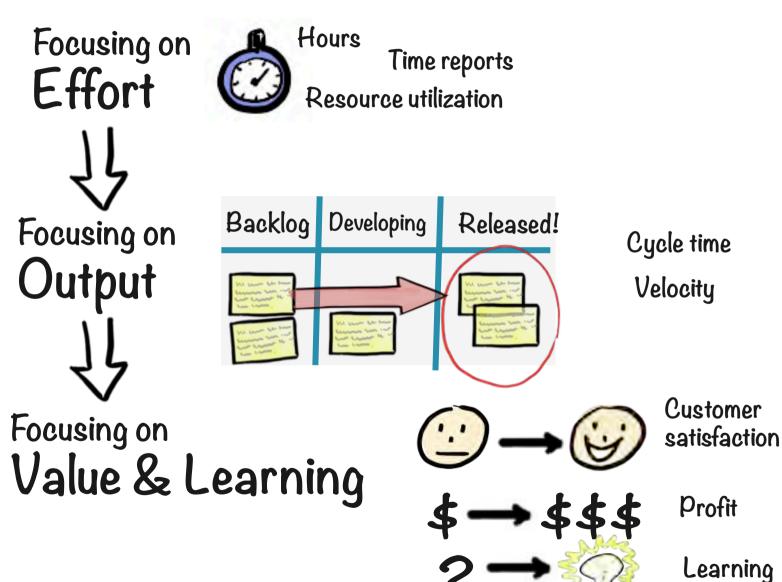


Achieving more by doing less

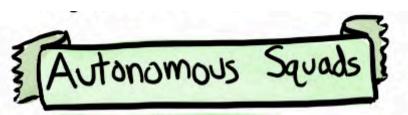
Focus on Value



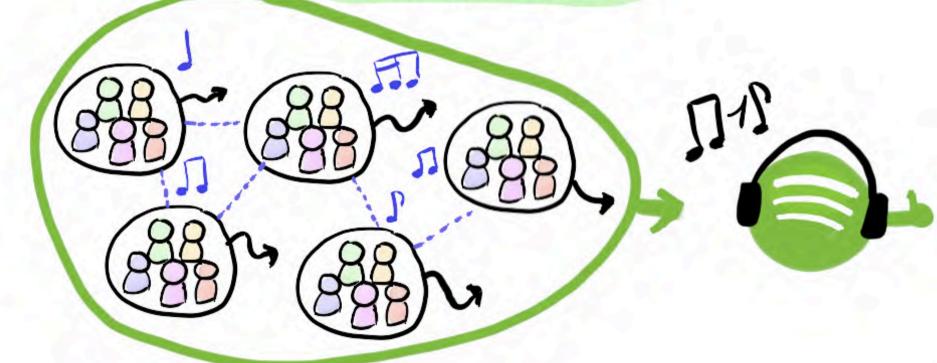
What you measure is what you get

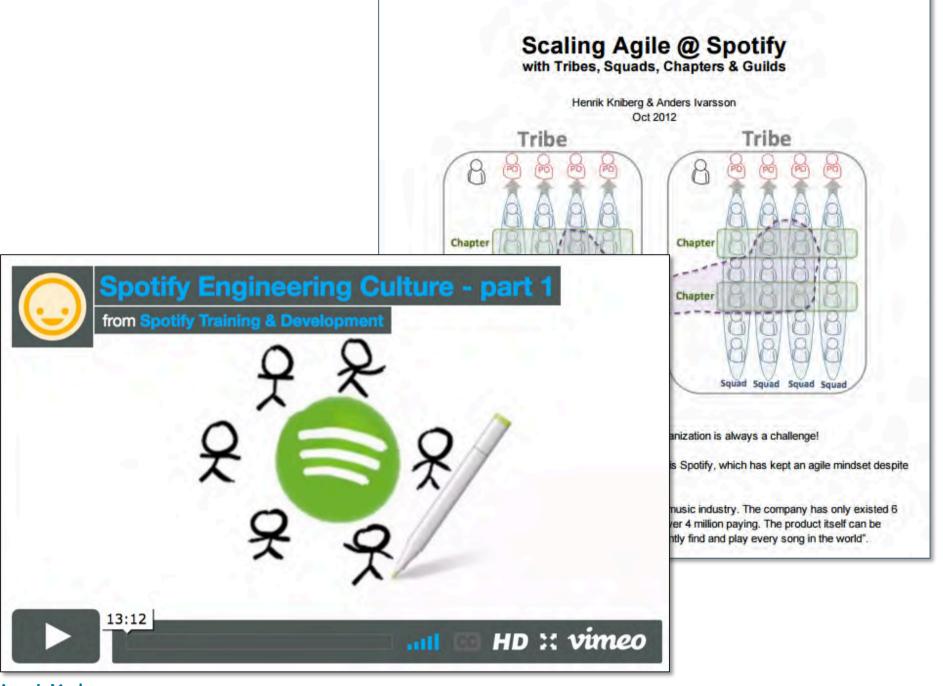


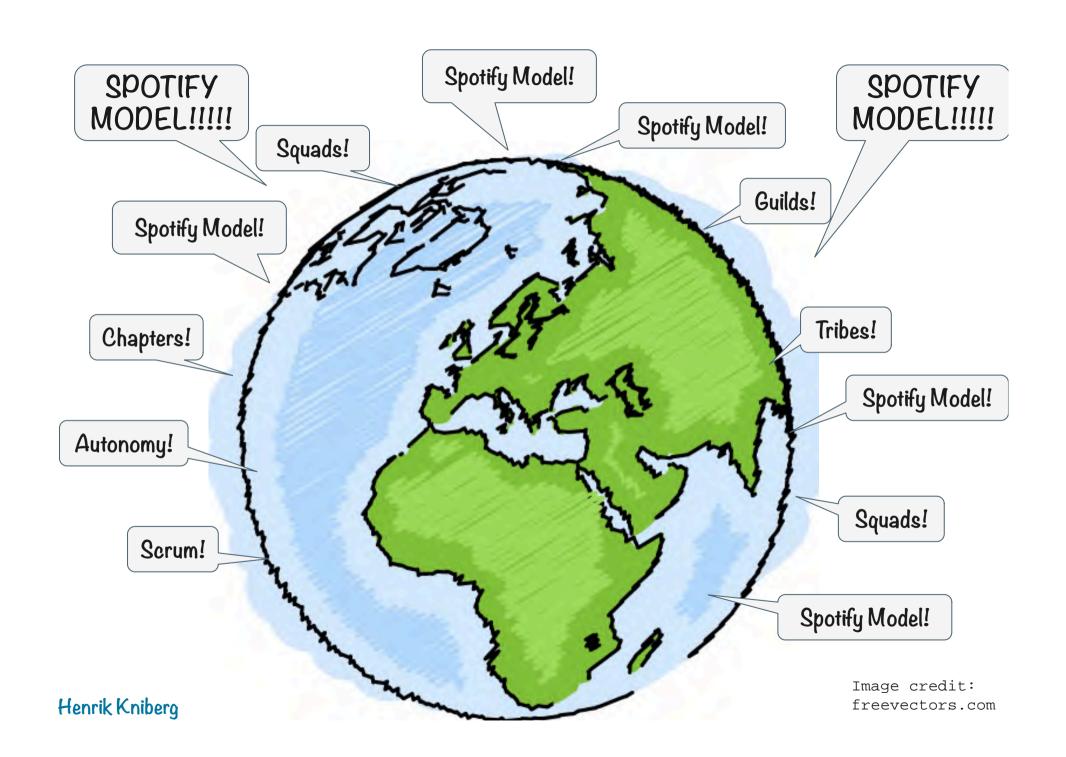
The mystery of the "Spotify model"



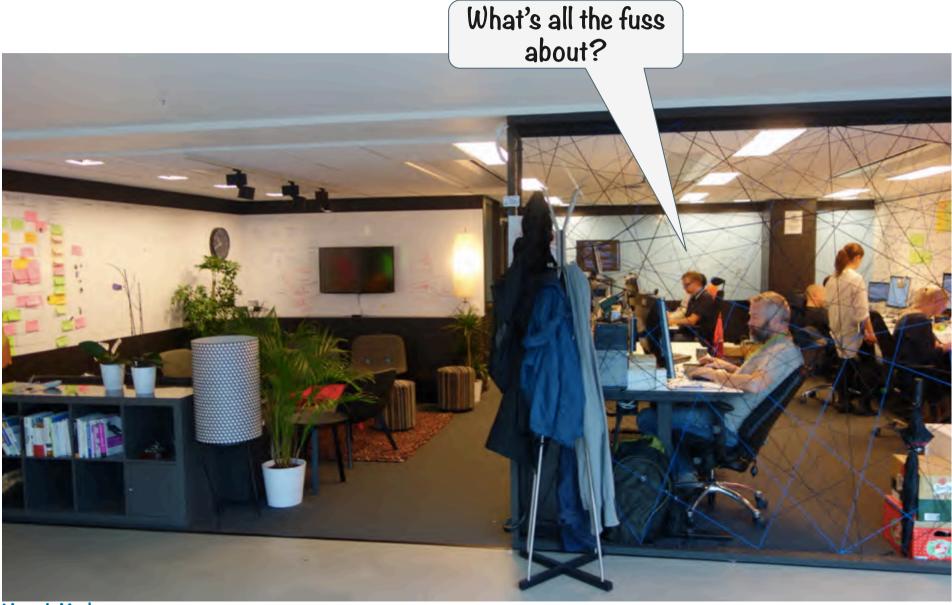
Be autonomous, but don't suboptimize!







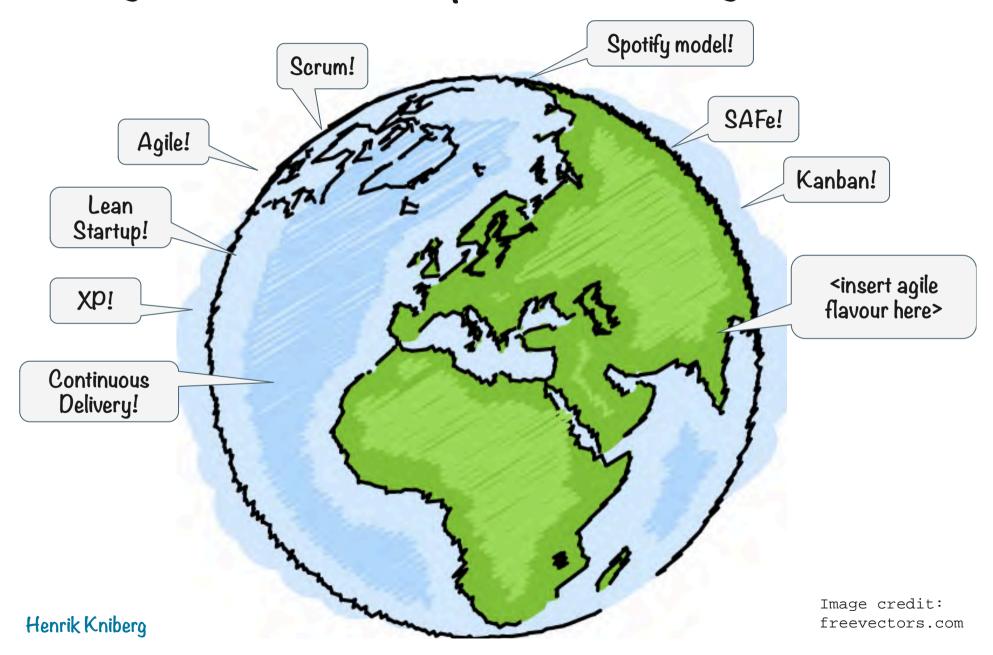
Meanwhile, at Spotify HQ....

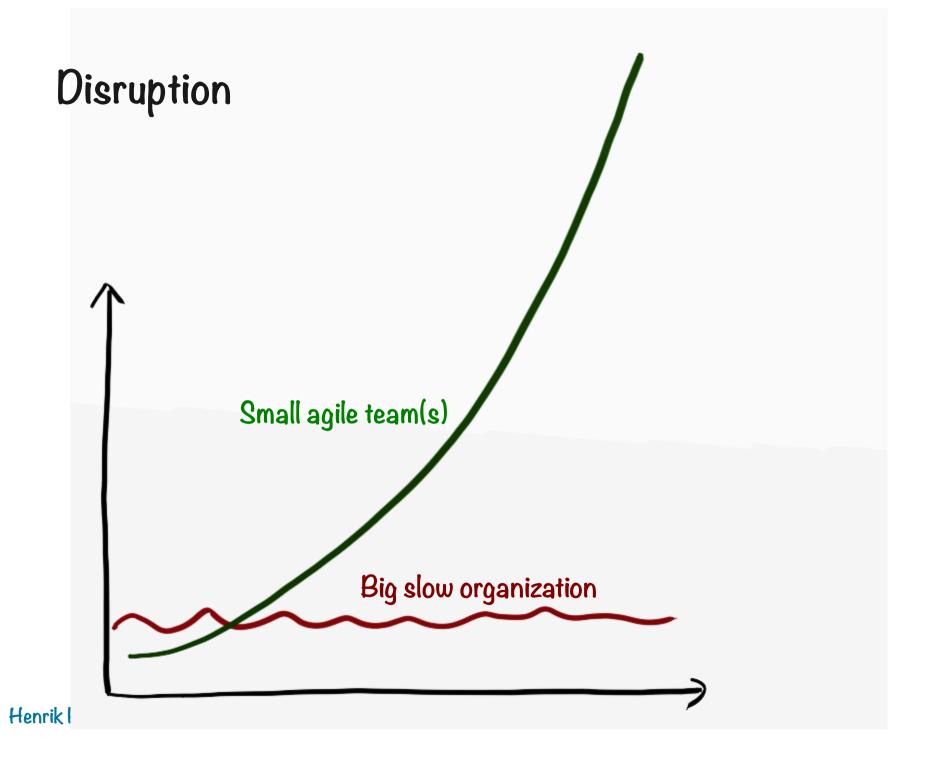


Henrik Kniberg

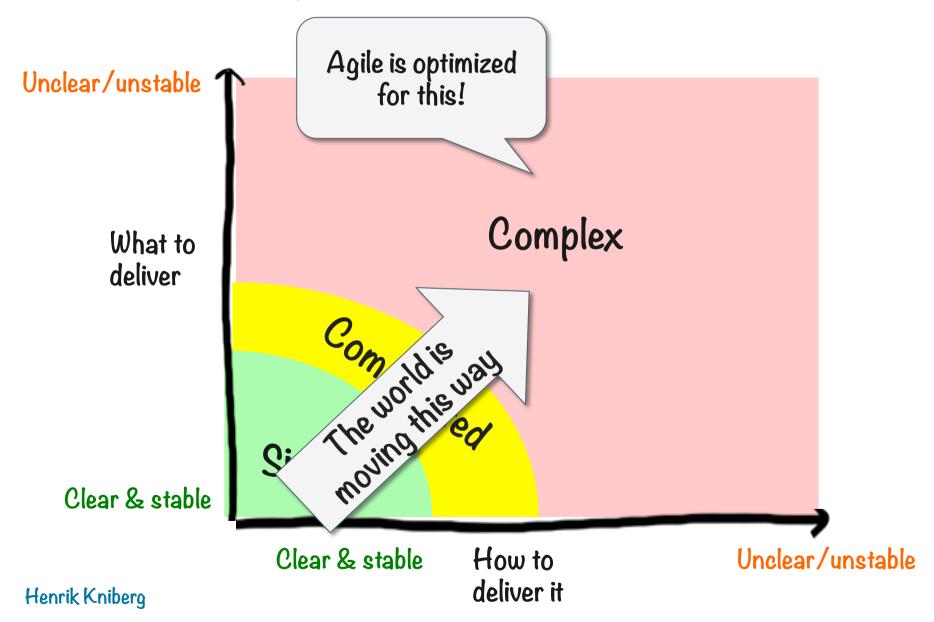
What does all this mean?

Organizations are desperate for Change!





Why is agile spreading so fast?

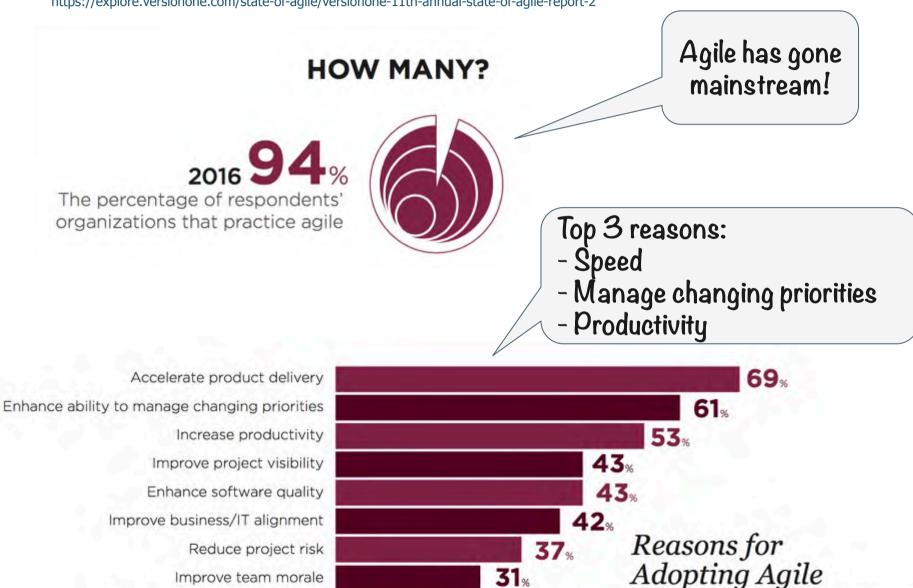


"State of Agile" survey

Improve team morale

Enhance delivery predictability





Improving project visibility (43%) moved

Things to ponder

Is Agile only for Software?

What's going to happen?



Is Agile a Silver Bullet?



Agile @ LEGO

"Spreading like a virus"





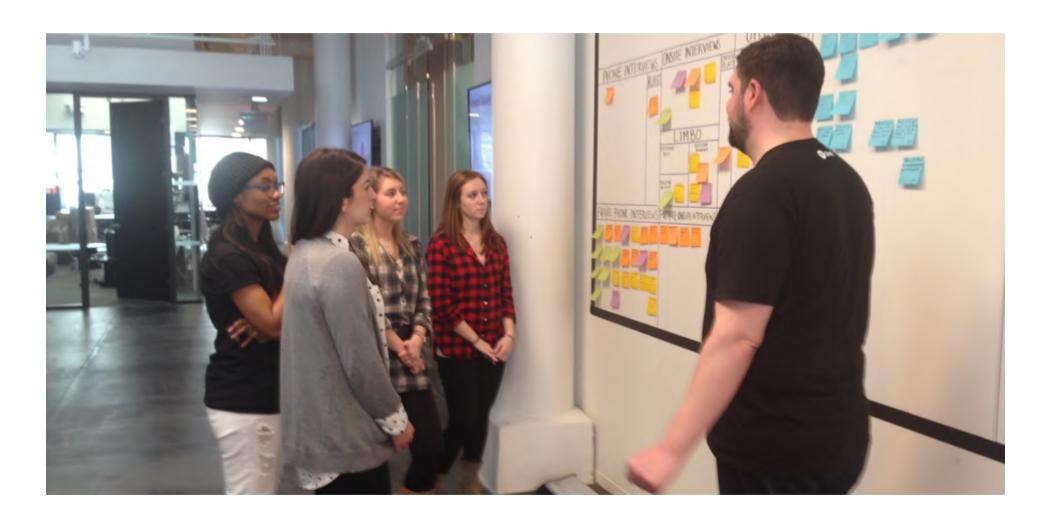




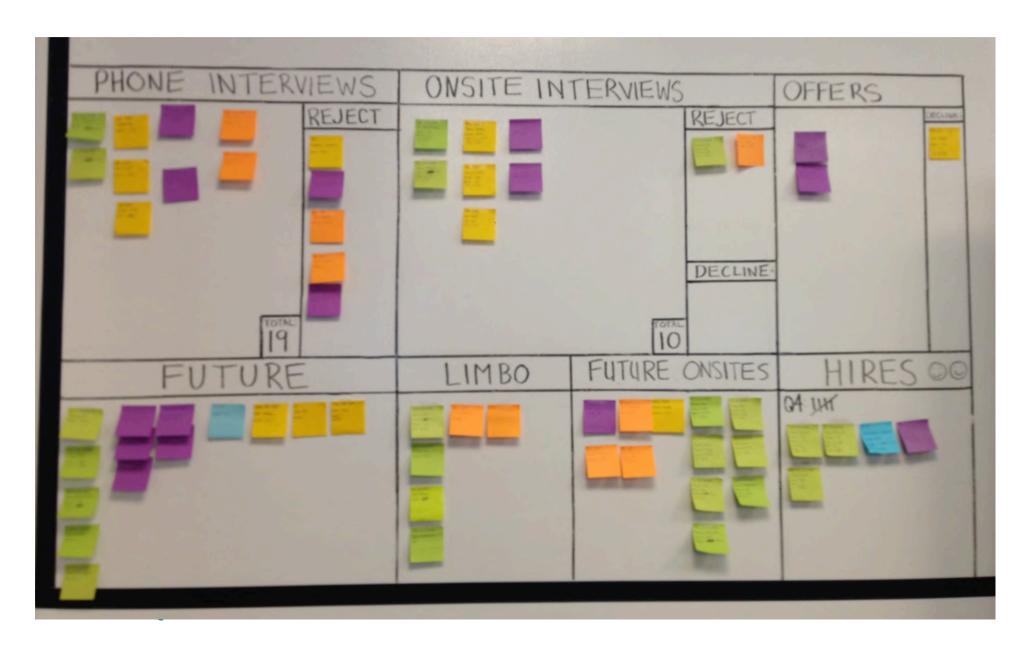




Recruitment team



Recruitment team



JAS 39E Saab Gripen





Agile practices implemented at every level and in every discipline: software, hardware and fuselage design.

Pilots on the same site as development teams.
Direct feedback provided every sprint.

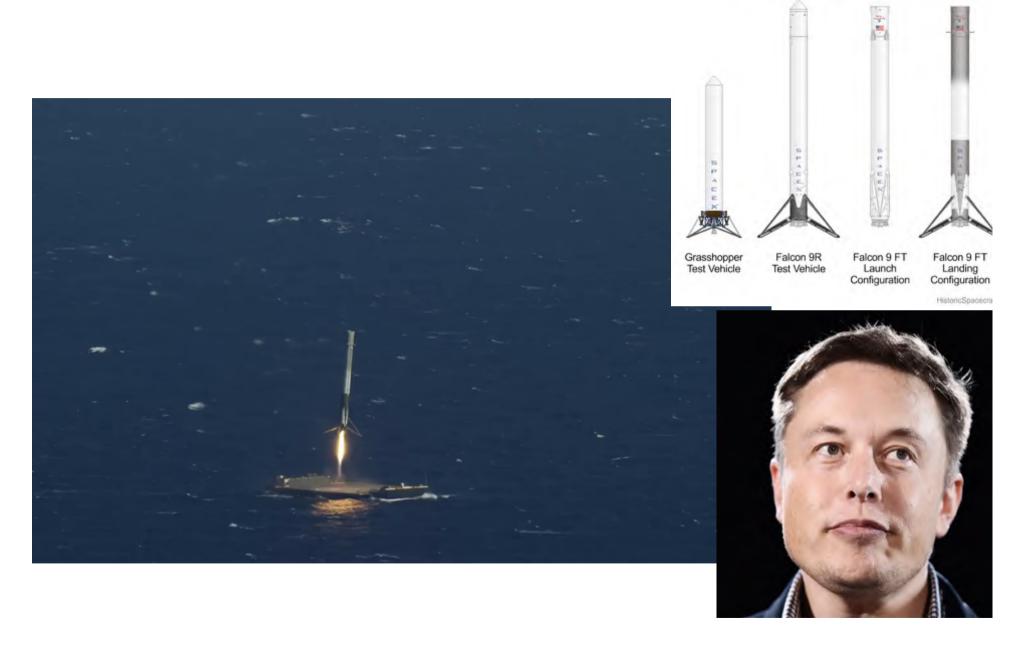
1500 people, all co-located in Linköping, Sweden.

Sources:

- http://www.stratpost.com/gripen-operational-cost-lowest-of-all-western-fighters-ianes
- Personal visit to SAAB Linköping
- · Research paper "Owning the Sky with Agile"

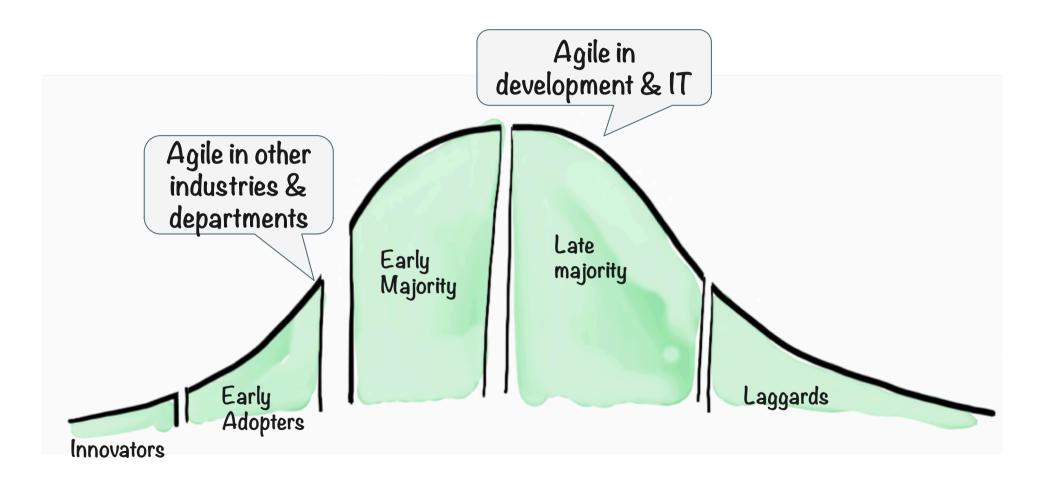
World's most cost-effective military aircraft

Falcon 9 First Stage Recovery Tests



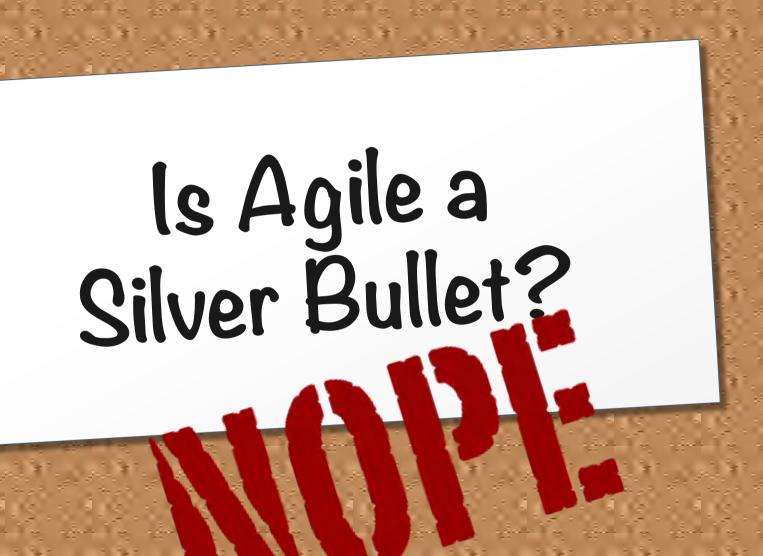


Agile is spreading



Let's use Agile to save the world!





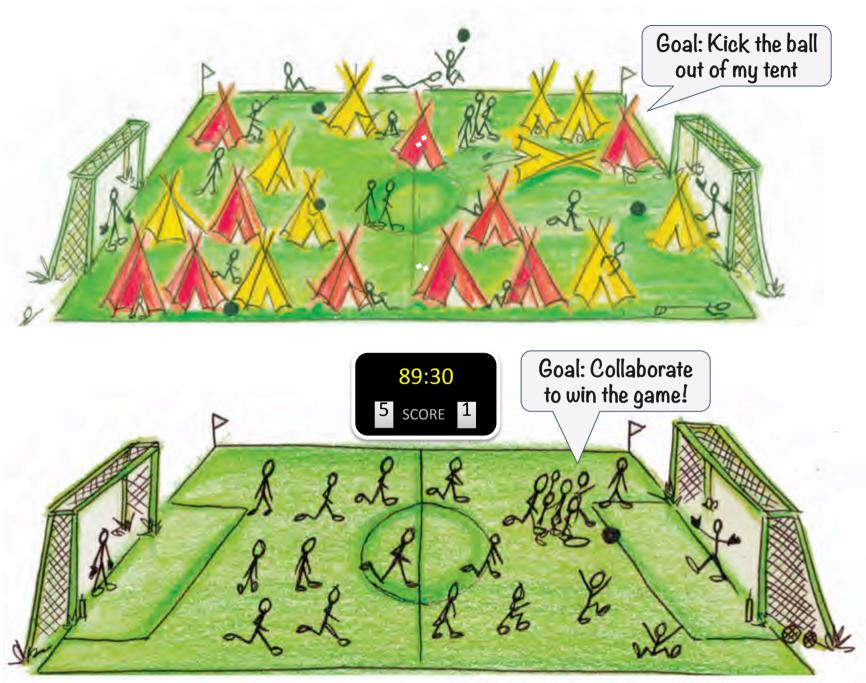


Image & metaphor credit: Niclas Modig

What next?

Next 10 years?

"It's hard to make predictions — especially about the future"

- someone

- More complexity, faster change.
- Agile will keep spreading to different industries
- The word "Agile" will fade, as the principles get more and more embedded in the way we lead and organize companies.
- Agile approach considered obvious, and therefore not interesting to talk about.
- Various agile frameworks will keep coming and going (because we're suckers for cool buzzwords and agile is a fashion industry)
- In complex competitive industries, organizations that don't go agile will die off.

Take aways



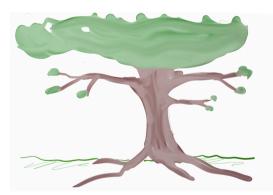
Agile is a direction, not a place You won't get it right from start, so experiment a lot!



Agile is a tool not a goal



Distinguish between the words and the ideas
Words come and go
Principles are timeless



Distinguish between principles and practices

Agile principles apply widely

... but specific practices must be adapted to your context

Complex

Agile is optimized for complexity

The more complex your environment is, the more you need agility

Henrik Kniberg