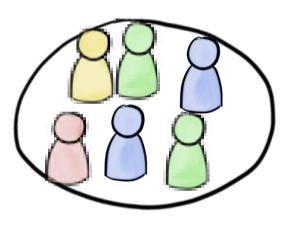
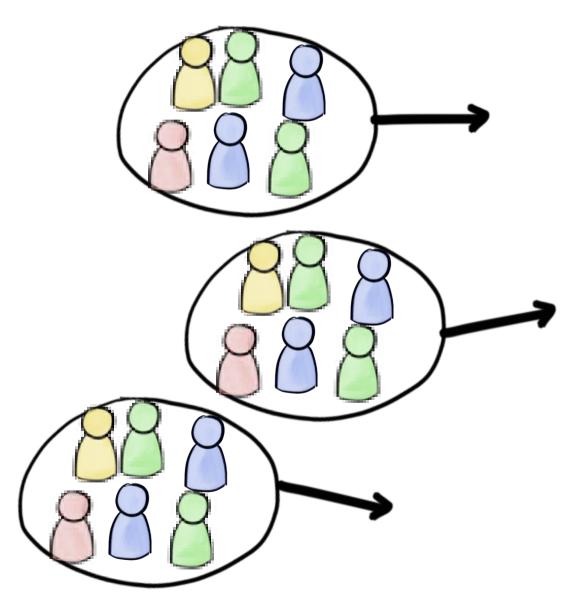
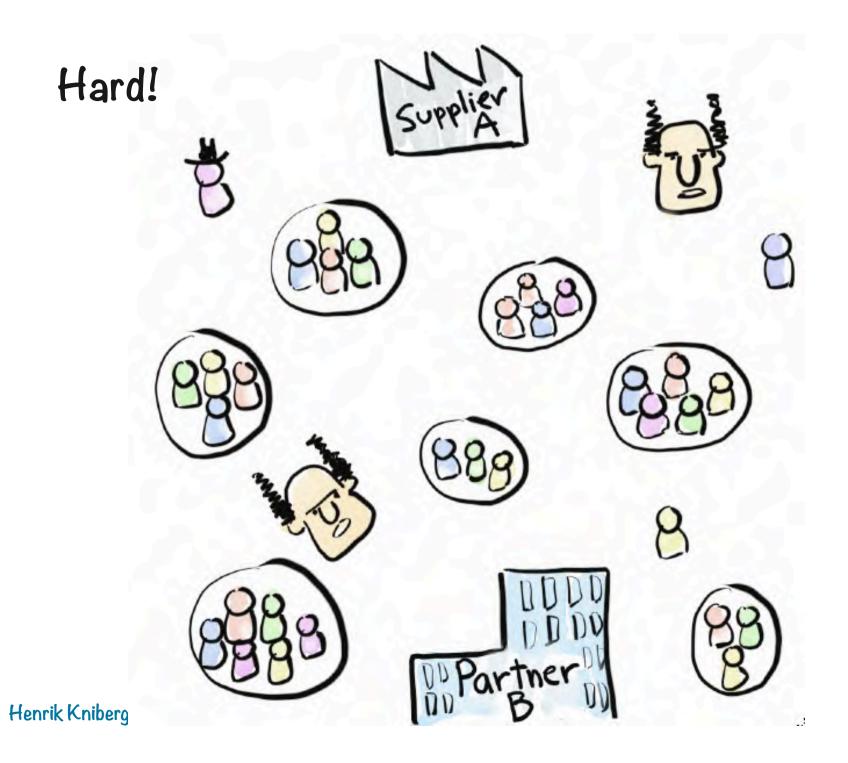


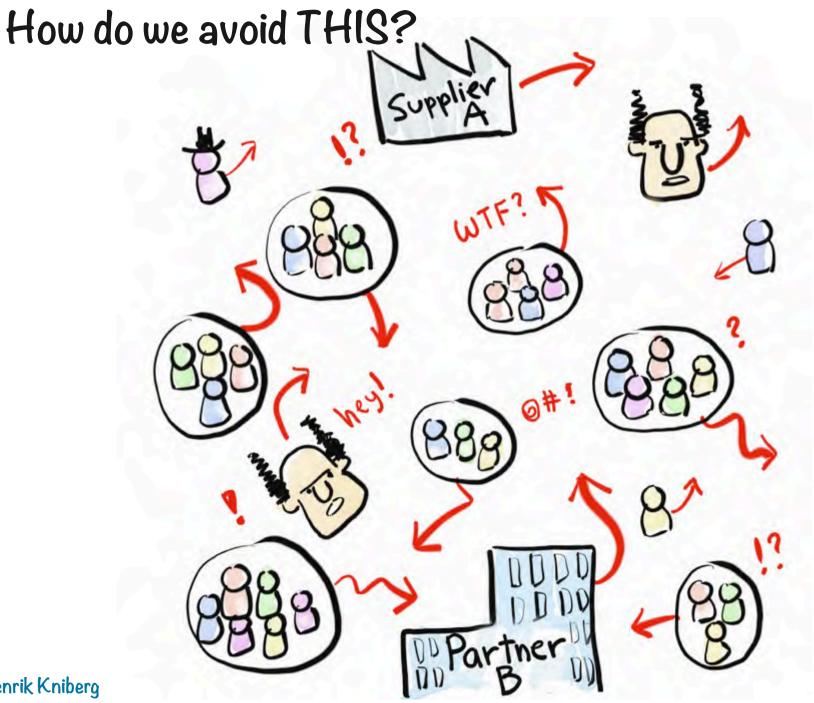
Not too hard



A bit trickier

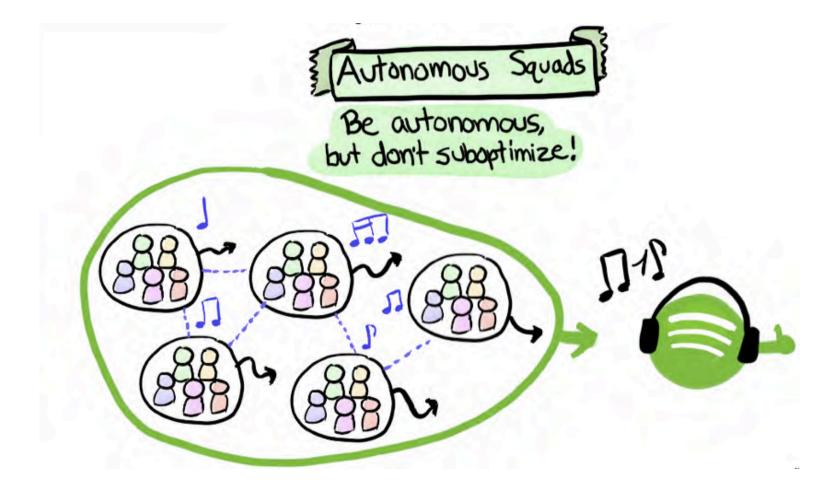


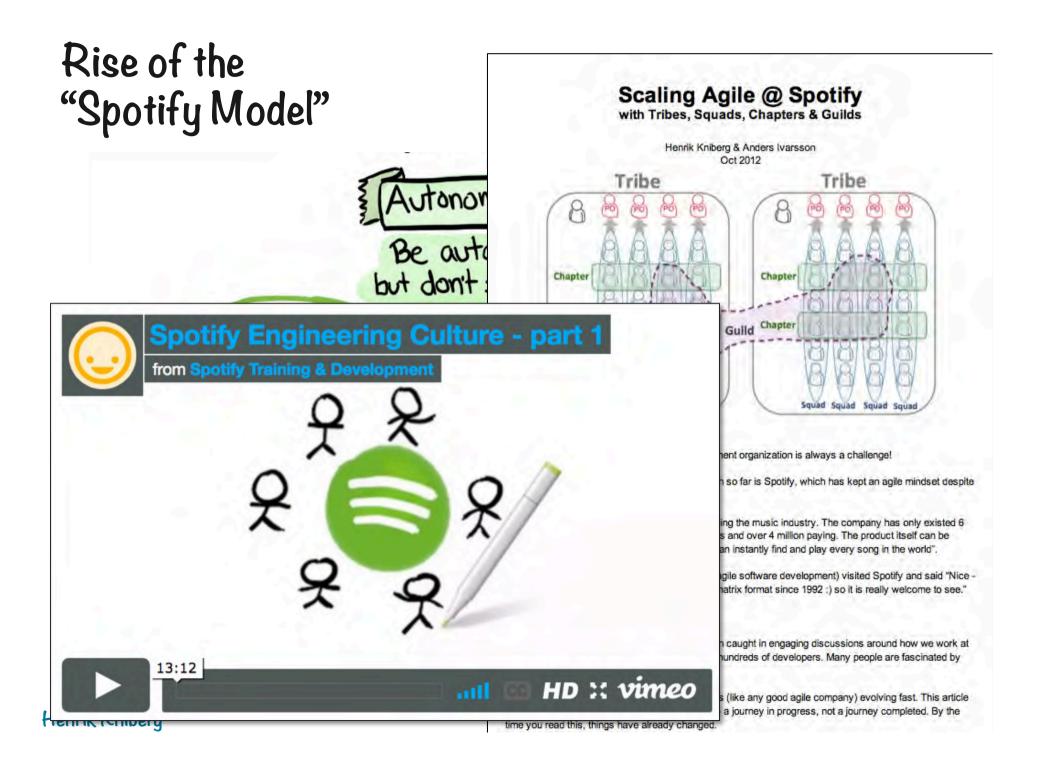




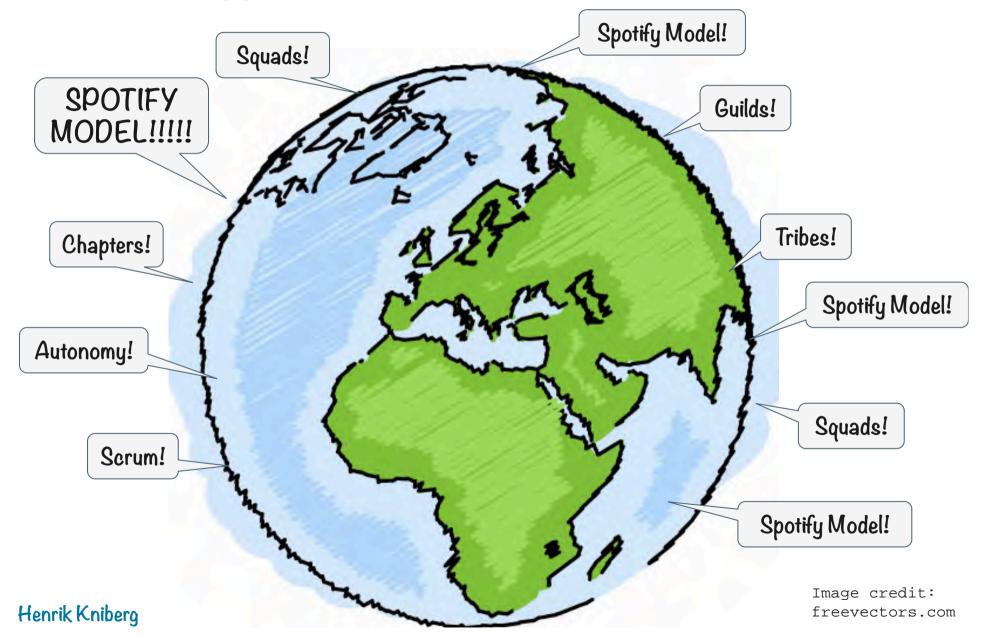
My scaling story

6 years ago...





Then this happened:







Background

LEGO Digital Solutions (DS) is a group of 20 or so teams responsible for handling communication with kids and parents via whatever device they are using - computers, tablets, apps, wearables, VR, etc. We also look into future product development, how to embrace new technology, how to take the classical way of playing with toys and combining with something cool, like augmented reality, or ways of "scanning" a physical model and getting it into a game. Most teams are in Billund, Denmark, but we also have a bunch of teams in India.

"Dr Agile"

Crisp



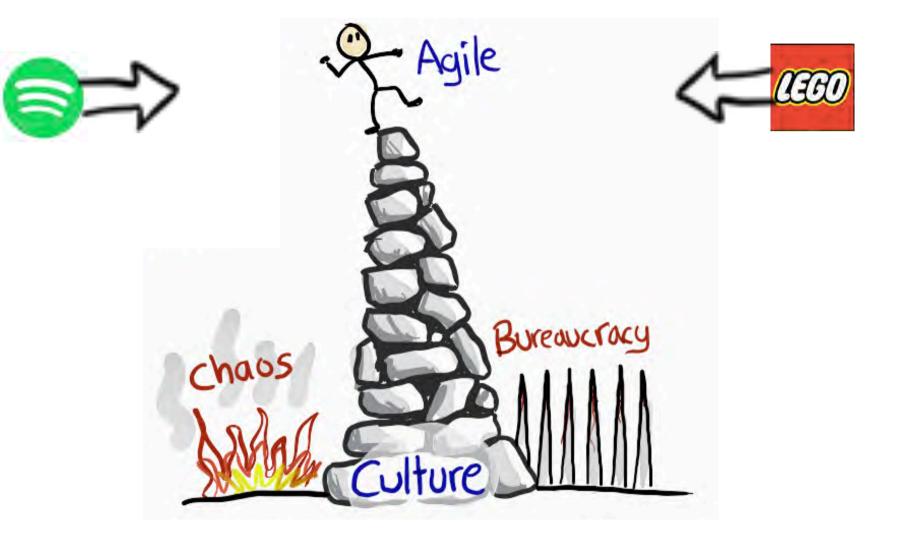


What can we learn?

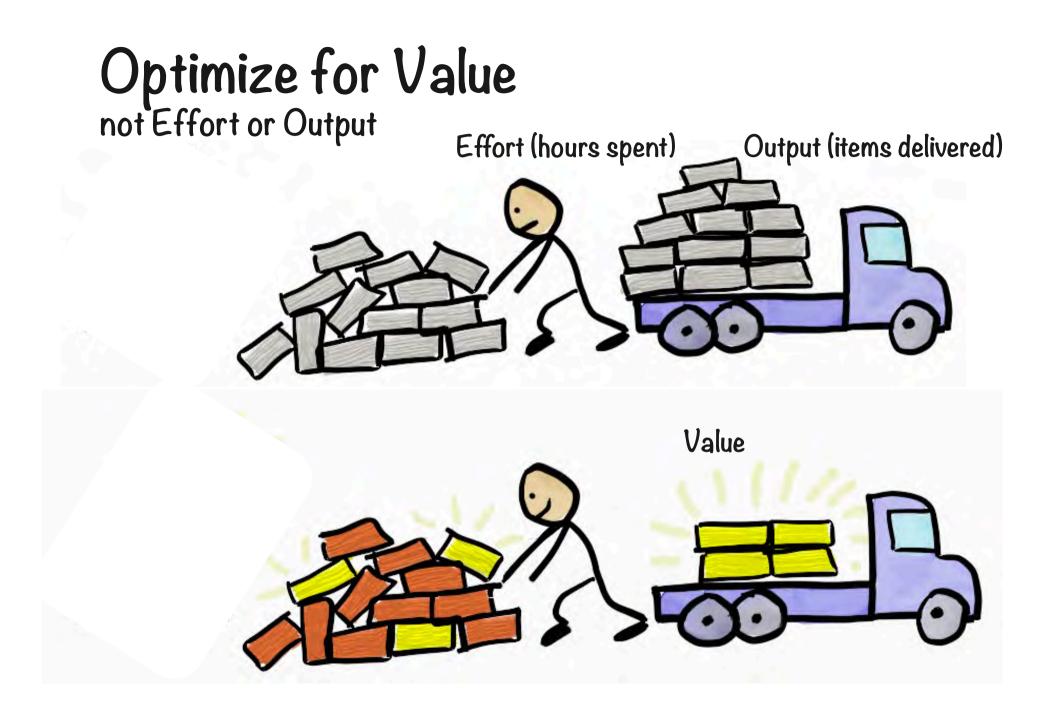




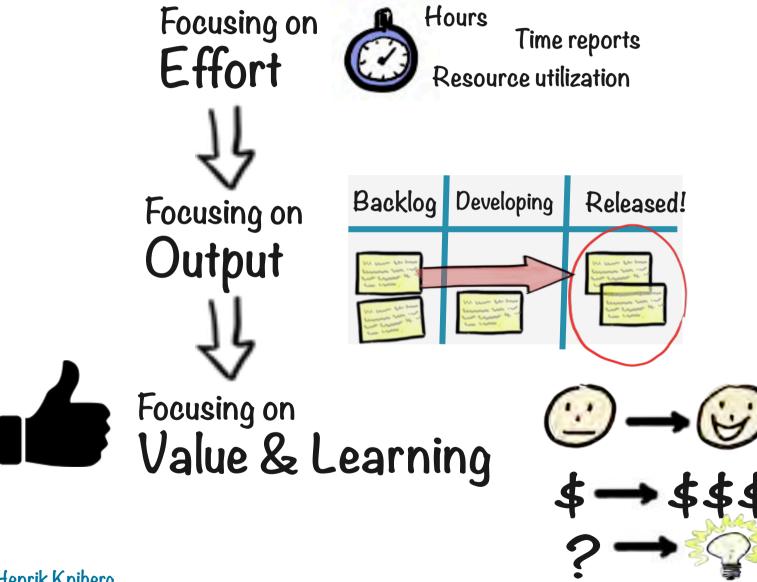
Finding the Minimum Viable Bureaucracy



Optimizing for Value



What you measure is what you get









Feedback loops

Predictive process = cannon ball

Assumptions:

- The customers knows what they need
- The teams know how to deliver it
- Nothing will change along the way







Adaptive process = homing missile

Assumptions:

- The customer discovers what they need
- The teams discover how to deliver it
- Many things change along the way



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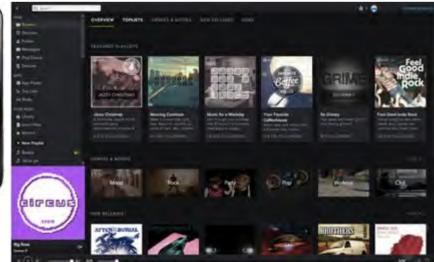
o	Name	Artist	 Time 	Album	
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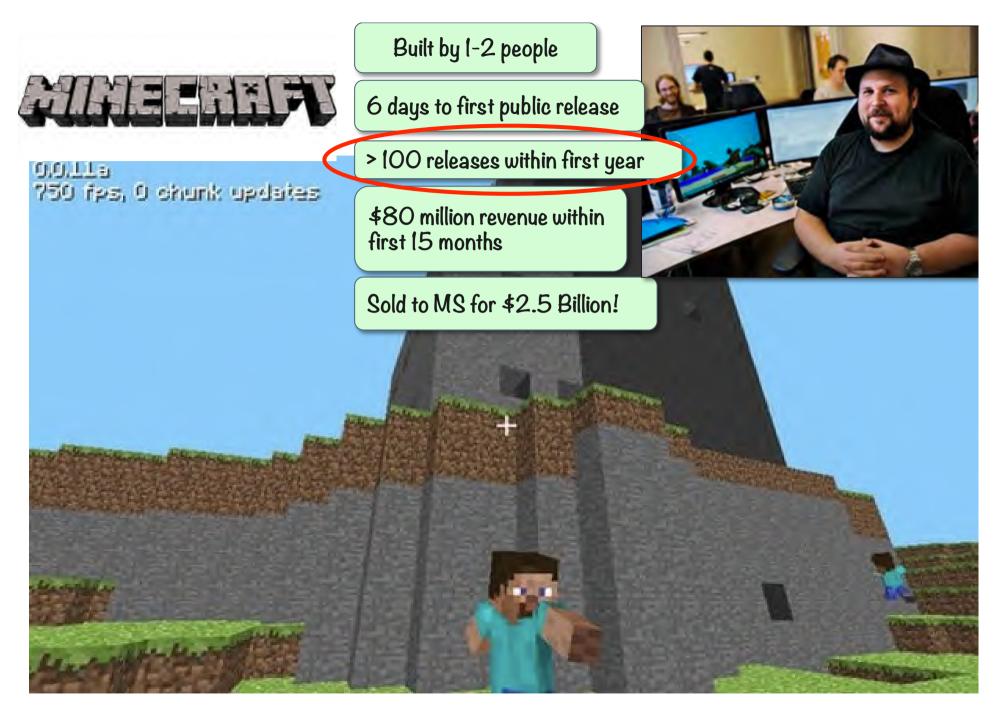
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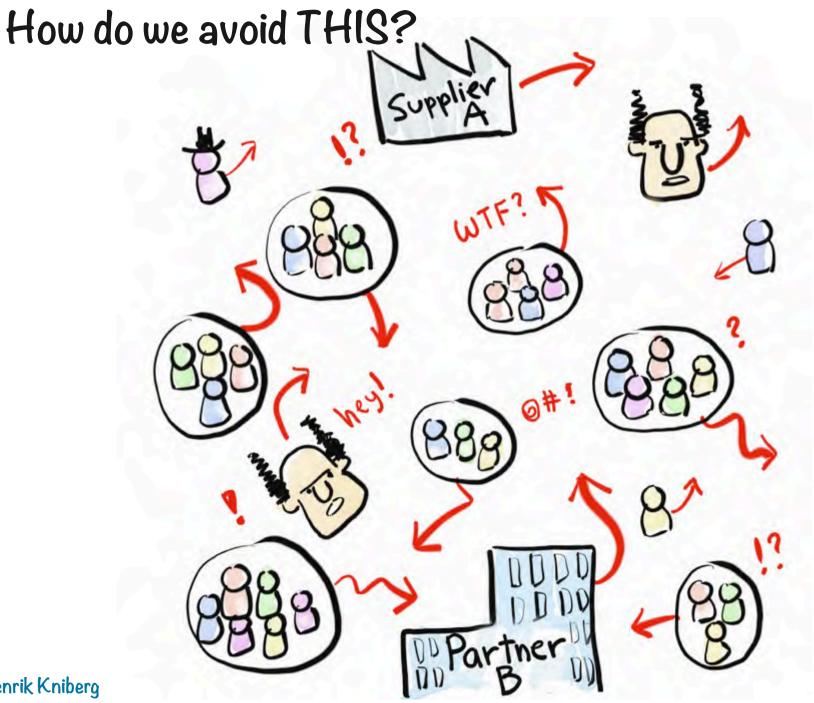
Lego Universe Spider Cave







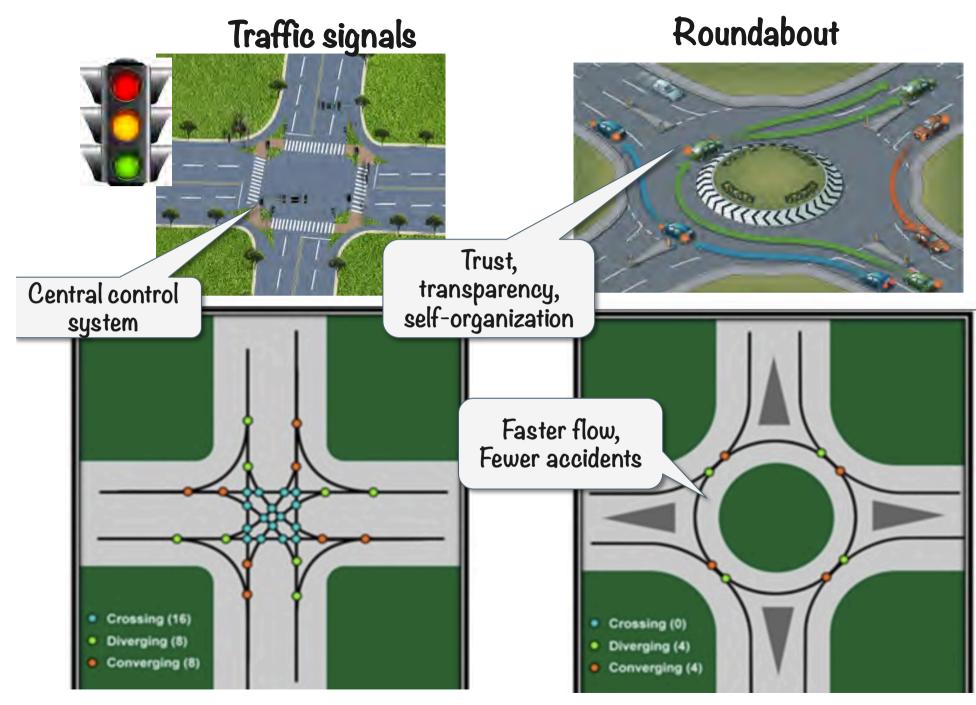
Alignment



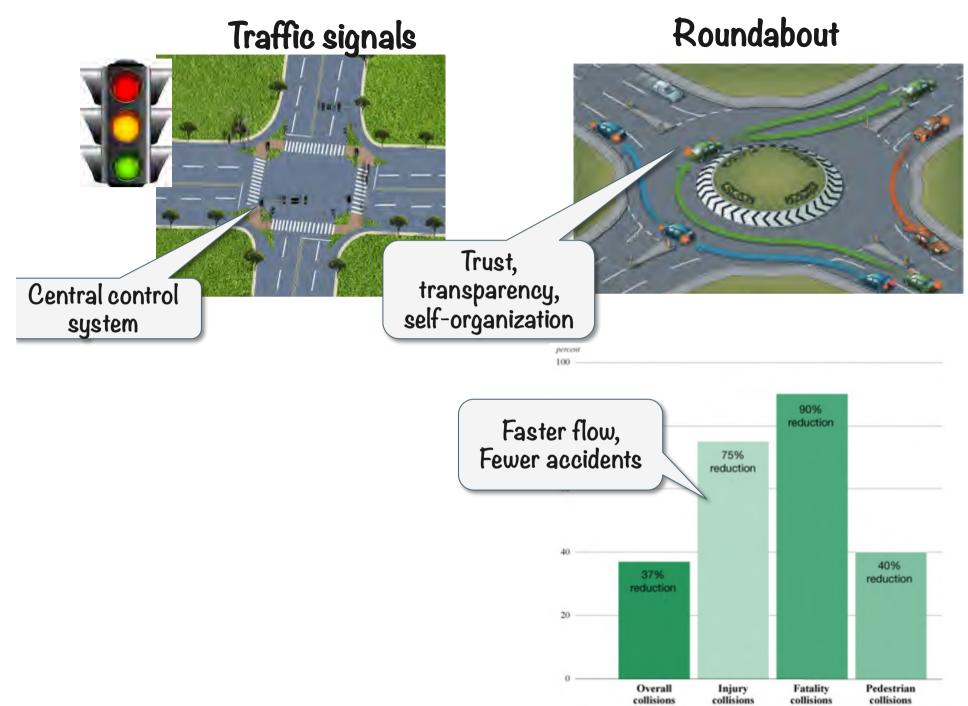
Suboptimization WTF! You guys are building a TUNNEL? WTF! You guys are building a BRIDGE? TIELLIN INTUELY

Common reaction





Source: http://www.wsdot.wa.gov/Safety/roundabouts/benefits.htm



Source: http://www.wsdot.wa.gov/Safety. Source: Federal Highway Administration and Insurance Institute for Highway Safety (FHWA and IHS)

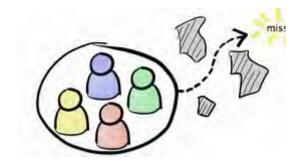
100% control = 0% motion

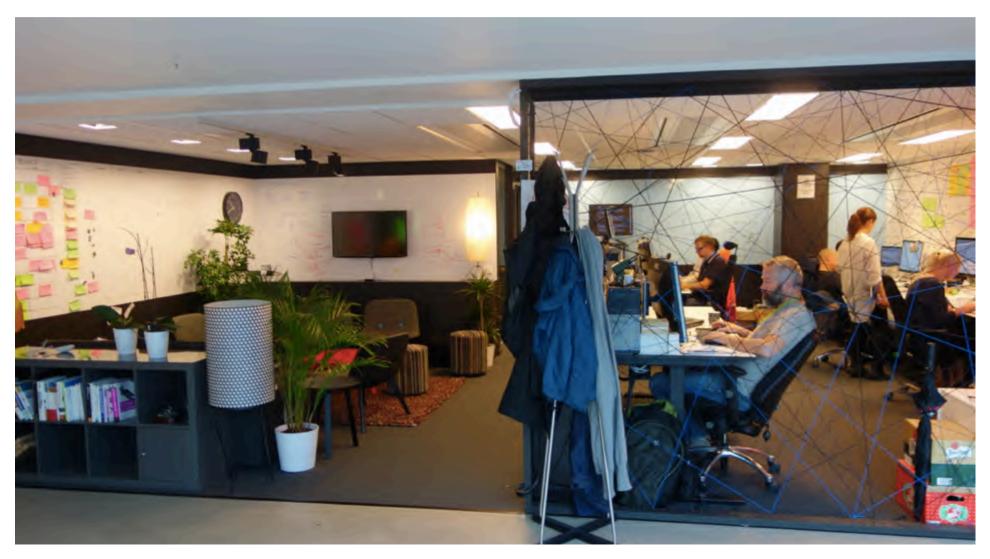


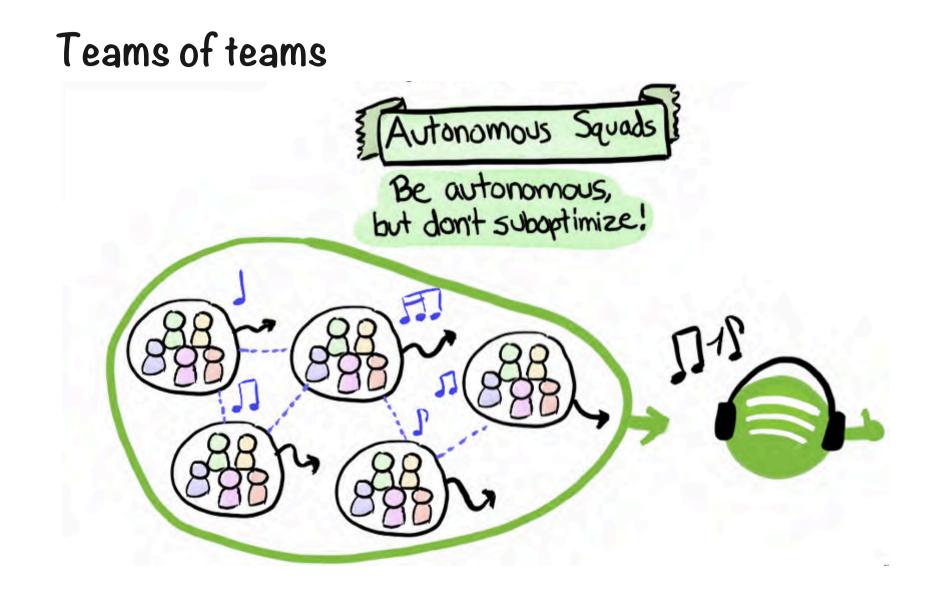
Leader's job: Explain what problem needs to be solved. And Why.

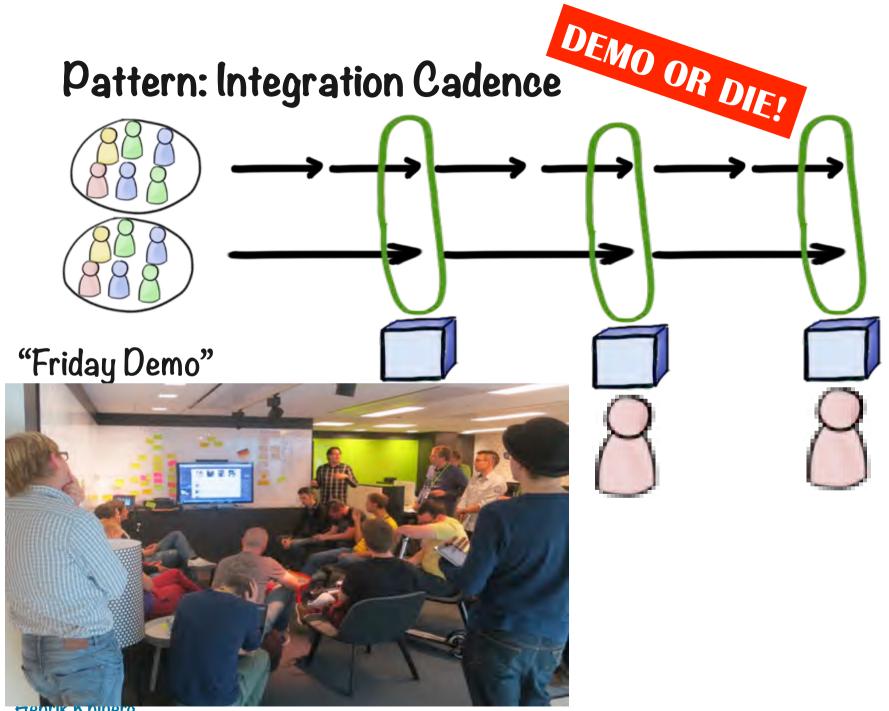


Teams! Small, self-organizing, cross-functional









TTENTIK KINDERG

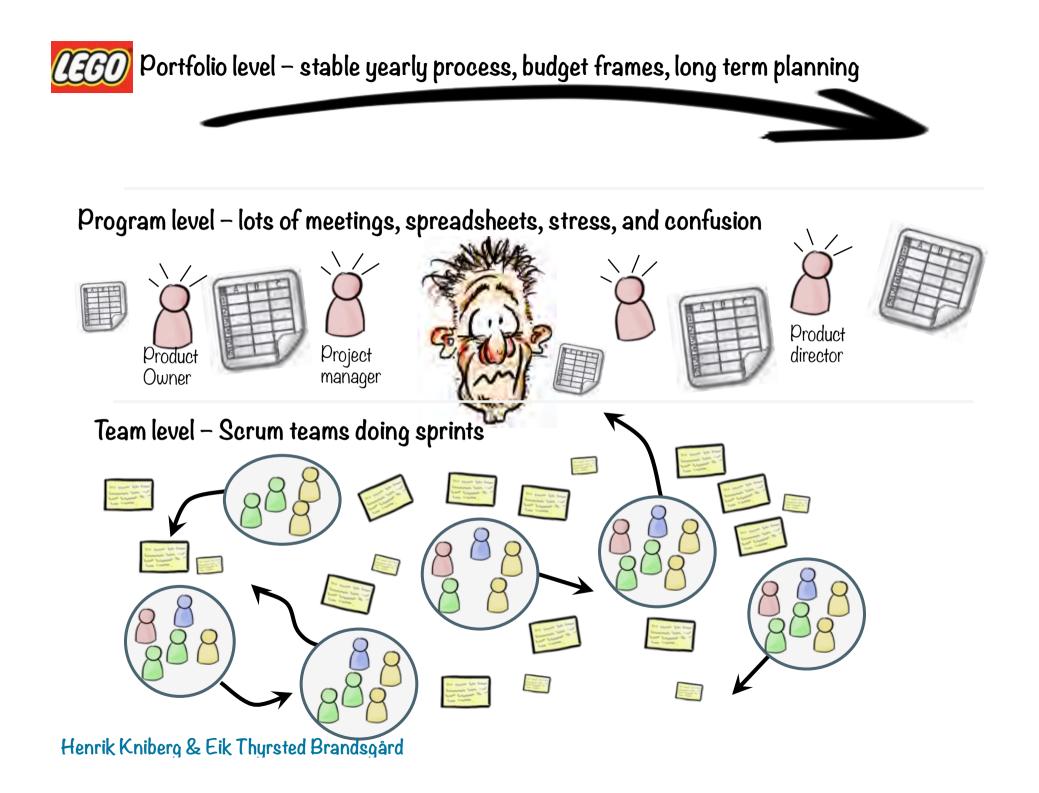
Assume the best in people and they will strive to live up to it

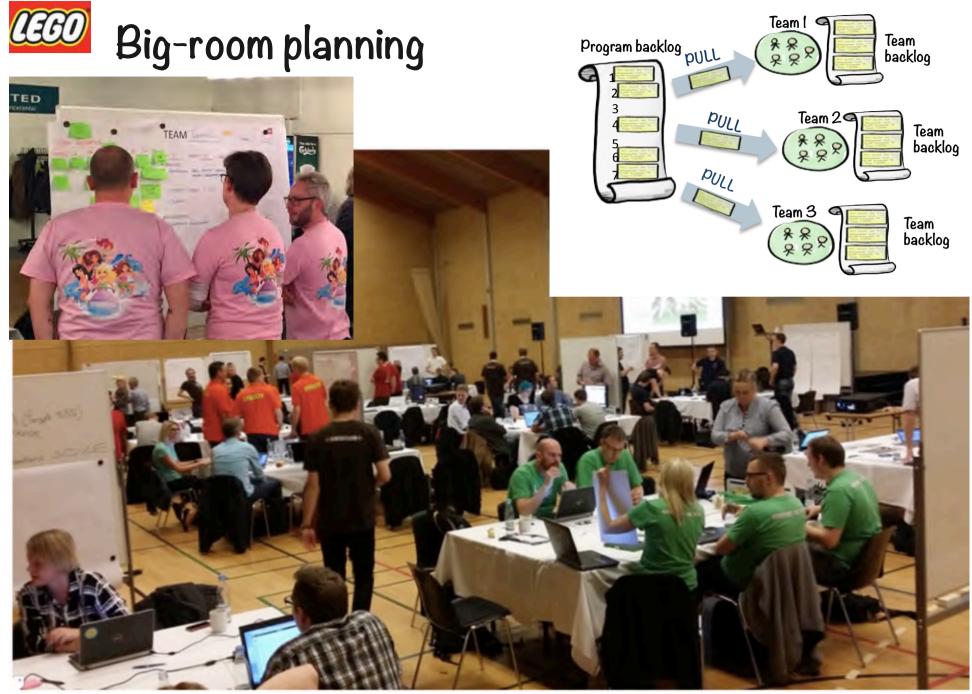
Productivity = Effort x Competence Don't "motivate" x Environment teams. Remove the demotivators. \mathbf{x} Motivation²

The importance of slack



Dependencies







Dependency board





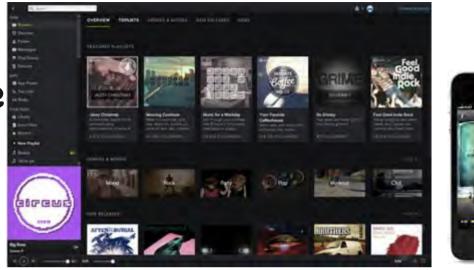


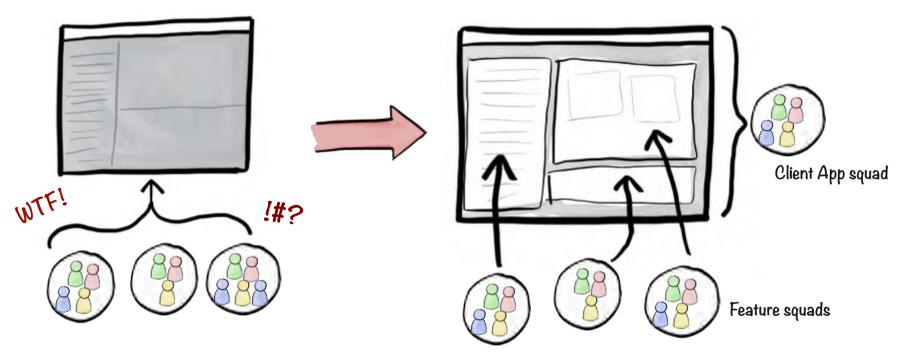
Early detection of dependency problems





Decoupling to reduce the need for team sync



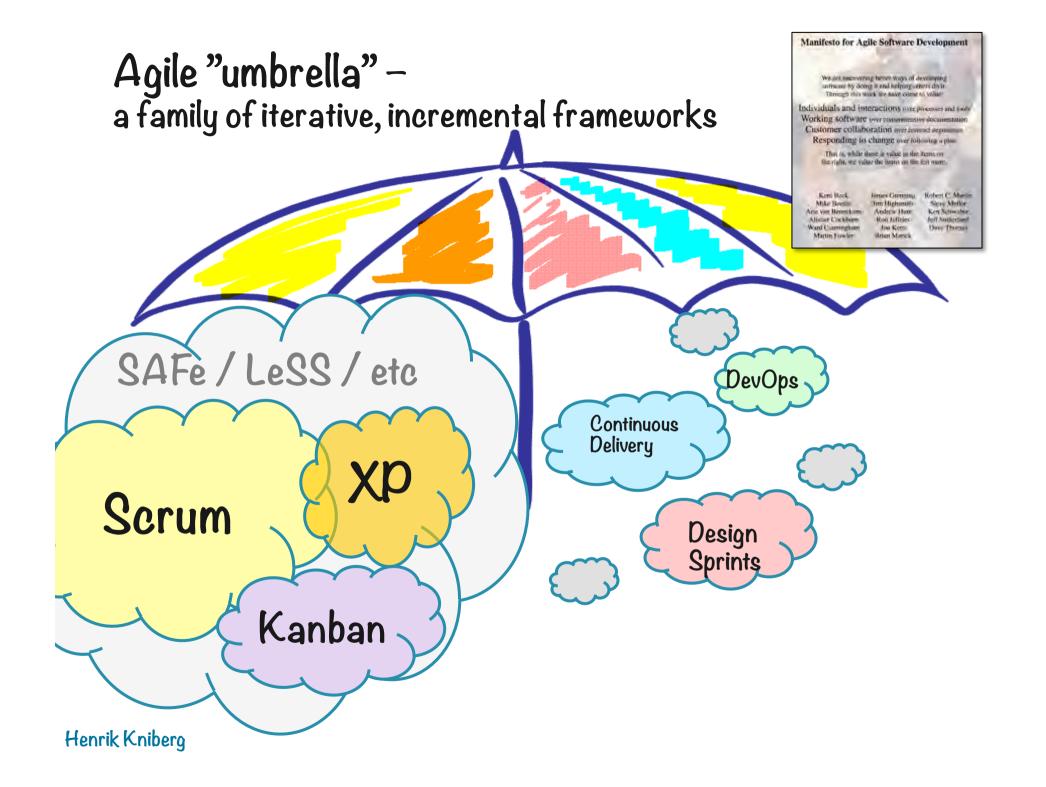


Frameworks are tools

Frameworkitis (noun)

- Exaggerated belief that a framework will solve all problems
- Tendency to keep adding new frameworks and enlarging the existing ones.





Frameworks are toolboxes





Lessons learned

- Scaling hurts. Avoid whenever possible.
- Frameworks are just tools. Don't fall in love with them.
- Team-of-teams + Integration Cadence = |
- Self-organization is magic. But requires transparency, trust, and a fast feedback loop.

