Agile, Scrum and LeSS Framework

30 September 2022

CHASE TECHNOLOGY

Agile Foundations

Agile Foundations – Lean Thinking

Adapted from "Summary of the Toyota Way (Lean Thinking) House by Craig Larman and Bas Vodde. 2009

Agile Foundation - Waste

Activity

Motion (handoffs)

Knowledge scatter

Inventory (work in progress)

Under-realizing people's potential

Wishful thinking

Over-production

Task Switching

Over-processing

Waiting (delays)

Values – Agile Manifesto

Manifesto for AGILE SOFTWARE DEVELOPMENT

2001

« *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 & INTERACTIONS

WORKING SOFTWARE

CUSTOMER COLLABORATION

RESPONDING TO CHANGE

OVER

PROCESSES & TOOLS

OVER

COMPREHENSIVE DOCUMENTATION

OVER

CONTRACT NEGOTIATION

OVER

FOLLOWING A PLAN

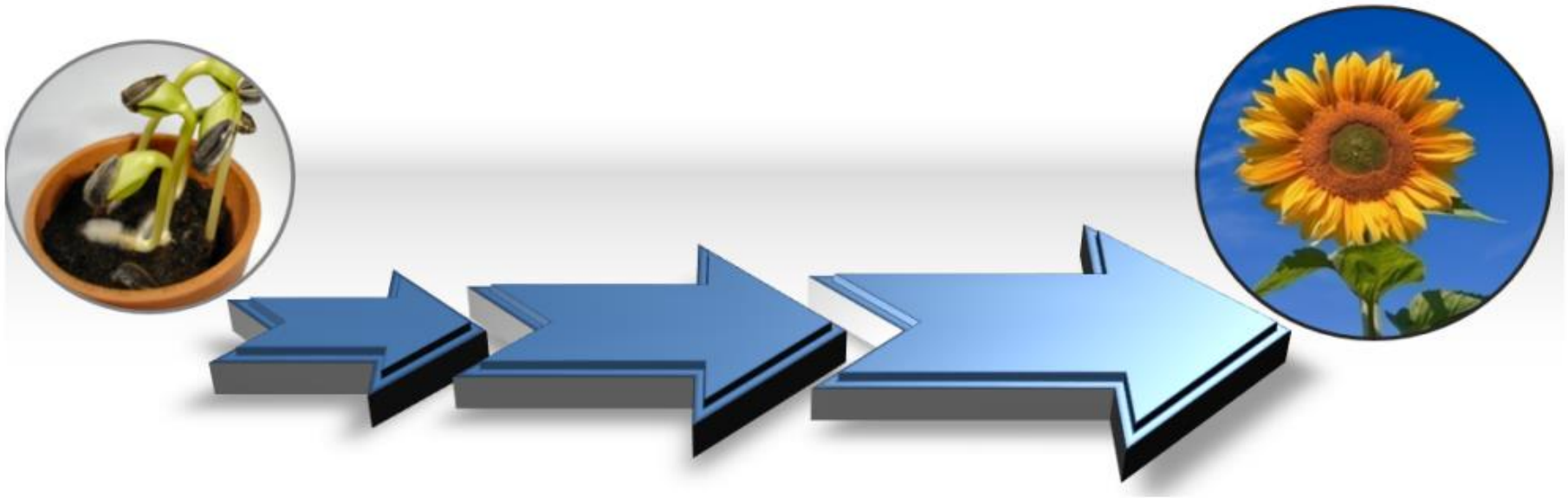
THAT IS, WHILE THERE IS VALUE IN THE ITEMS ON THE [BOTTOM], WE VALUE THE ITEMS ON THE [TOP] MORE. »

Agile Foundations – Wrap Up

Activity

What are the implications of being a lean and agile organization?

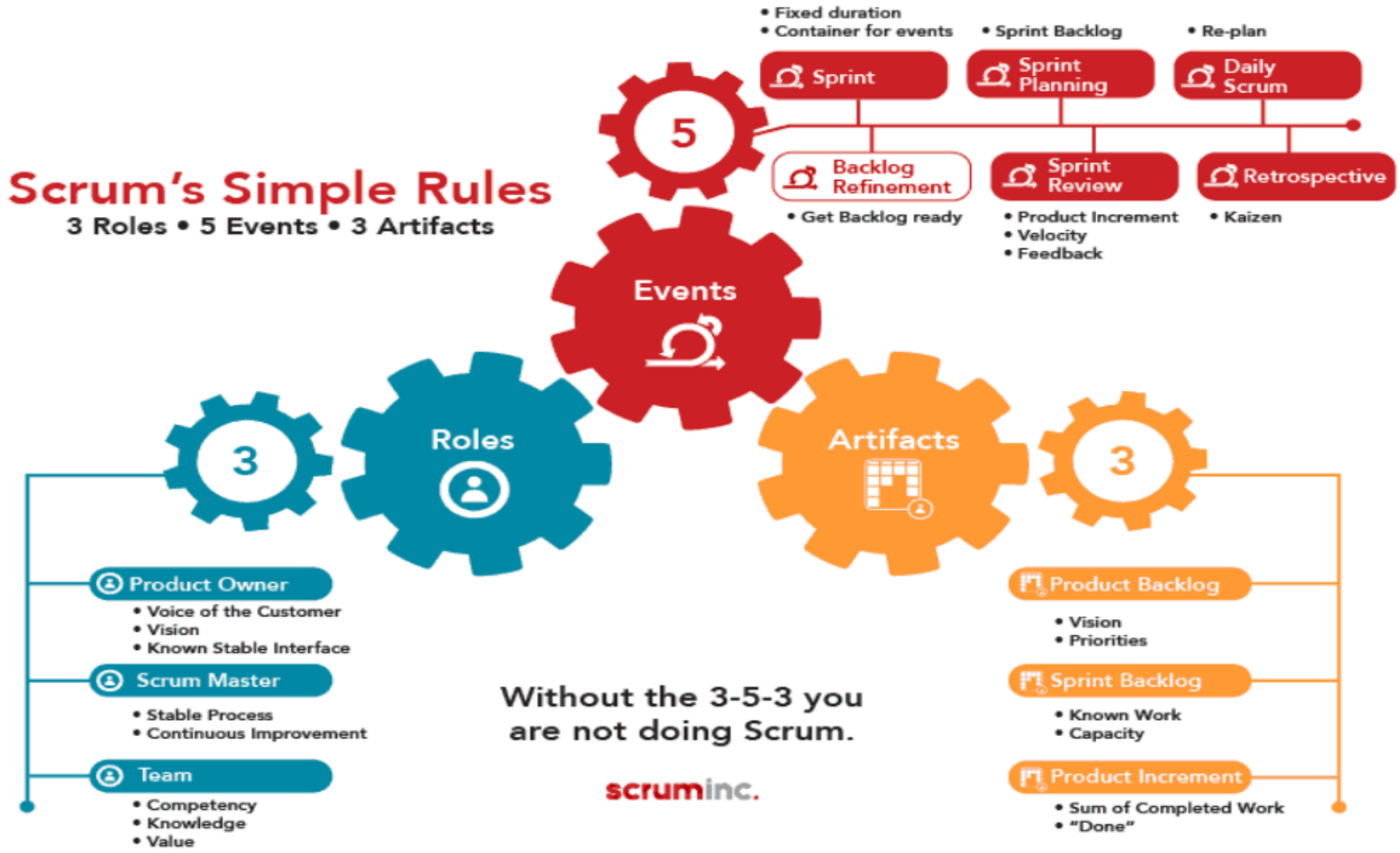
What has to change?



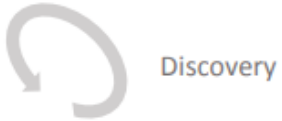
Scrum Fundamentals

Scrum Values

3-5-3 Structure

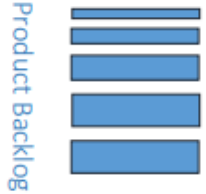


Introduction to the Scrum Framework



Product Team

Product Owner



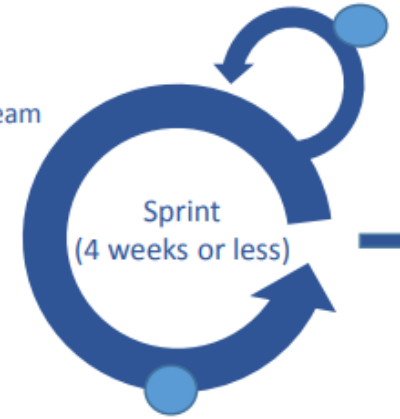
Scrum Master

Sprint Planning 2
(2-4h)

Development Team

Sprint Planning 1
(2-4h)

Sprint Backlog



Daily Scrum
(15 mins)

Product Backlog
Refinement
(10% of the Sprint)

Potentially Shippable
Product Increment

Sprint Review
(2-4h)

Sprint Retrospective
(1.5-3h)

Stakeholders

Improvement
Experiments

What are Stories?

Stories are a great technique for requirements by **conversation.**

They allow us to have a conversation around requirements/ needs at all levels of progressive refinement.

3 Roles

Product Owner

Scrum Master

Development Team

Let’s talk about each one

Sample Schedule

Wednesday	Thursday	Friday	Monday	Tuesday
Sprint Planning Topic 1 9:00-10:00 *Sprint Planning Topic 2* 10:00-1:00	*Daily Scrum* 9:00 *Product Backlog Refinement* 3:00-5:00	*Daily Scrum* 9:00	*Daily Scrum* 9:00 *Product Backlog Refinement* 3:00-5:00	*Daily Scrum* 9:00
Daily Scrum 9:00	*Daily Scrum* 9:00 *Product Backlog Refinement* 3:00-5:00	*Daily Scrum* 9:00	*Daily Scrum* 9:00 *Product Backlog Refinement* 3:00-5:00	*Daily Scrum* 9:00 *Sprint Review* 1:00-3:00 *Sprint Retrospective* 3:00-4:30

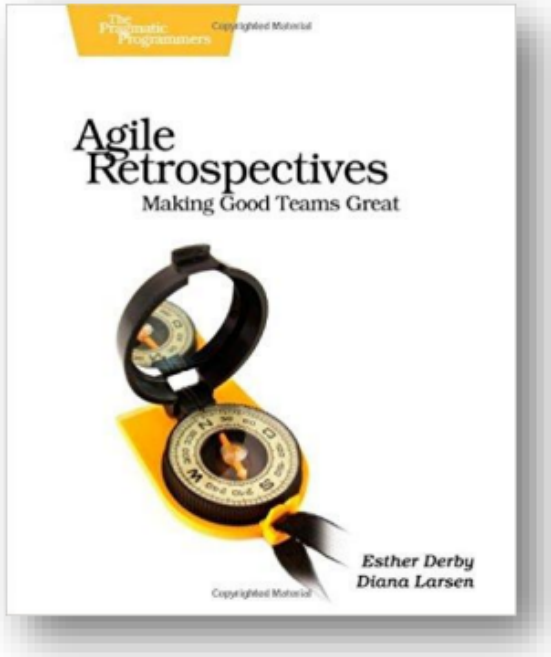
- PO must attend
- PO may attend

PBR - Backlog questions

Considerations for Acceptance

Sprint Retrospective

The output of the Sprint Retrospective is at least one improvement experiment that the team will focus on in the next Sprint. This should be added to the Sprint Backlog for transparency.

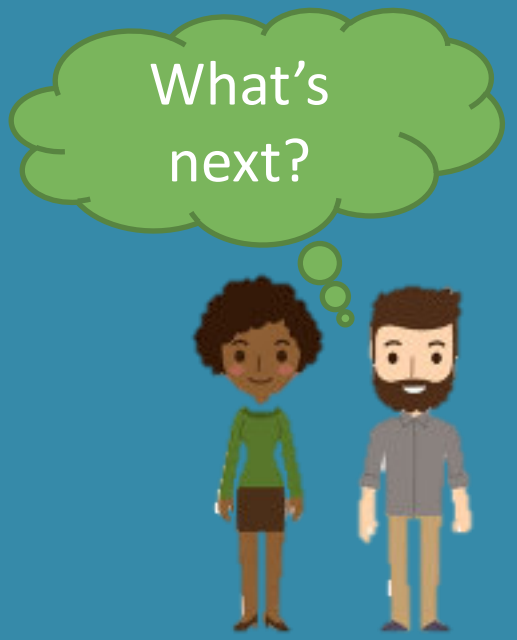


TastyCupcakes.org
Fuel for Invention and Learning

Retromat

https://retromat.org/en

Large Scale Scrum: More with Less



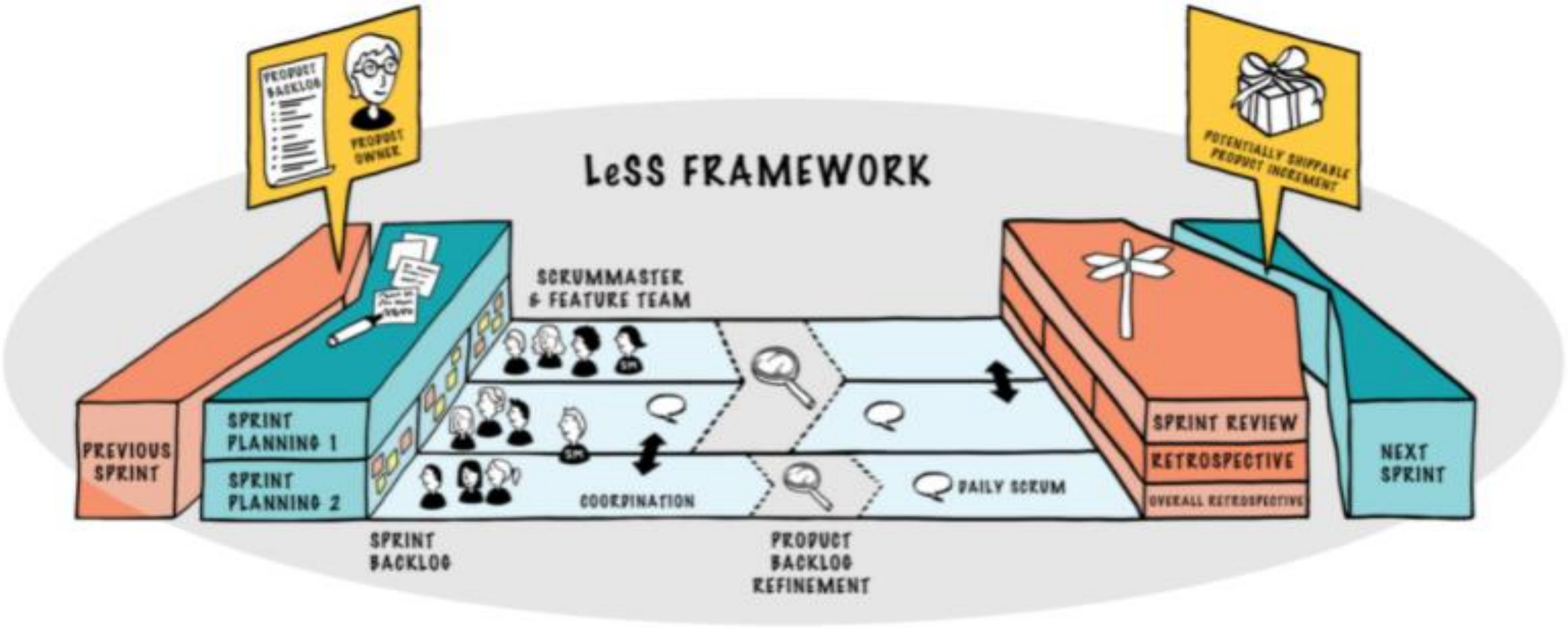
Large Scale Scrum: Introduction

- LeSS is Scrum applied to many teams working together on one product.

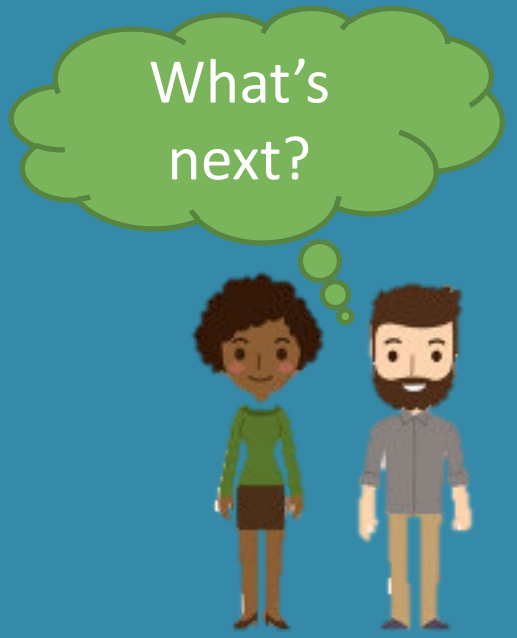
- Less Includes:
  - Rules – Forms The Foundation
  - Guides – To effectively adopt the rules
  - Experiment – Situational
  - Principles - At the heart, a set of principles—extracted from experience with LeSS adoptions

- LeSS guides and experiments are optional. But bypass or drop those that limit further improvement or just don’t fit.

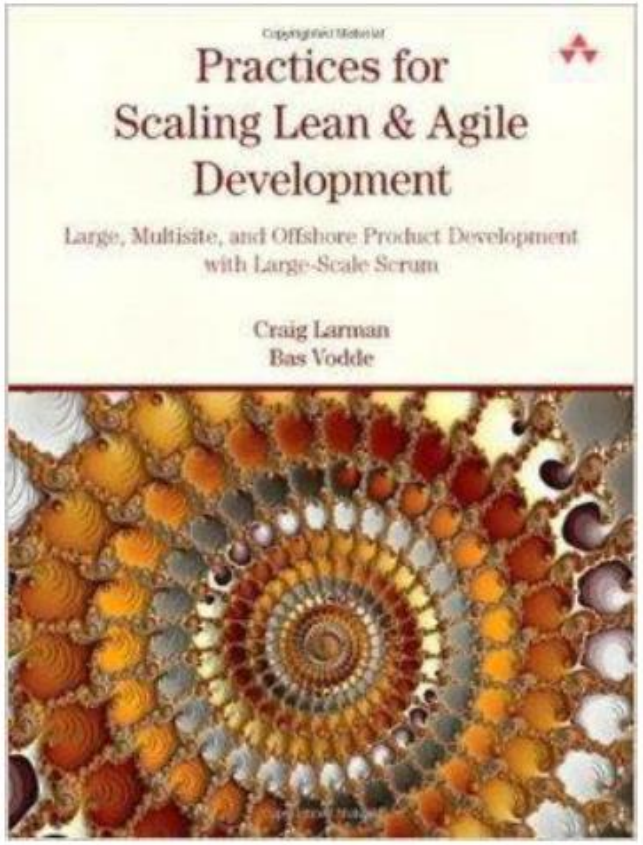
LeSS Framework



Thank You



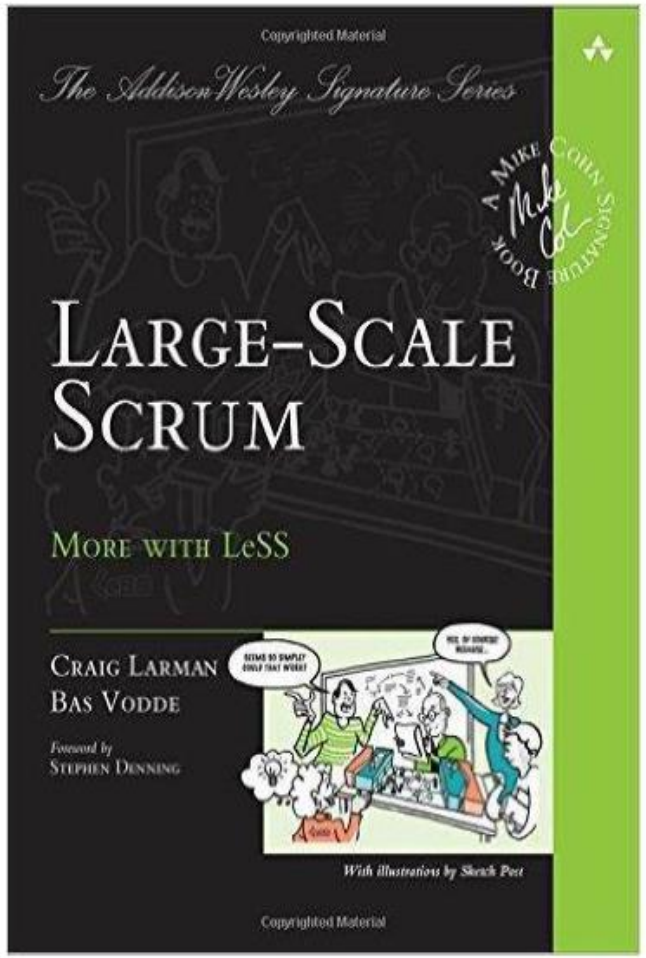
LeSS History



2010

- Large-Scale Scrum
- Test
- Product Management
- Planning
- Coordination
- Requirements
- Design & Architecture
- Legacy Code
- Continuous Integration
- Inspect & Adapt
- Multisite
- Offshore
- Contracts

LeSS History



2016

LeSS Structure

- Adoption
- Organize by Customer Value
- Managers
- Scrum Masters

LeSS Product

- Product Owner
- Product Backlog
- Definition of Done
- Initial PBR

LeSS Sprint

- Sprint Planning
- Sprint Coordination and Integration
- Product Backlog Refinement
- Sprint Review
- Sprint Retrospective

More or LeSS

- Architecture
- DevOps

Additional Resources

- https://less.works/
- https://www.scrum.org/