

GASPIng Toward the Future:

What's in Store for Scrum?

Mike Cohn
 2012 Construx Software Executive Summit
 November 14, 2012

1

Scrum

Sprint goal

Sprint backlog

Up to 1 month

Potentially shippable product increment

Sprint Review

Sprint Retrospective

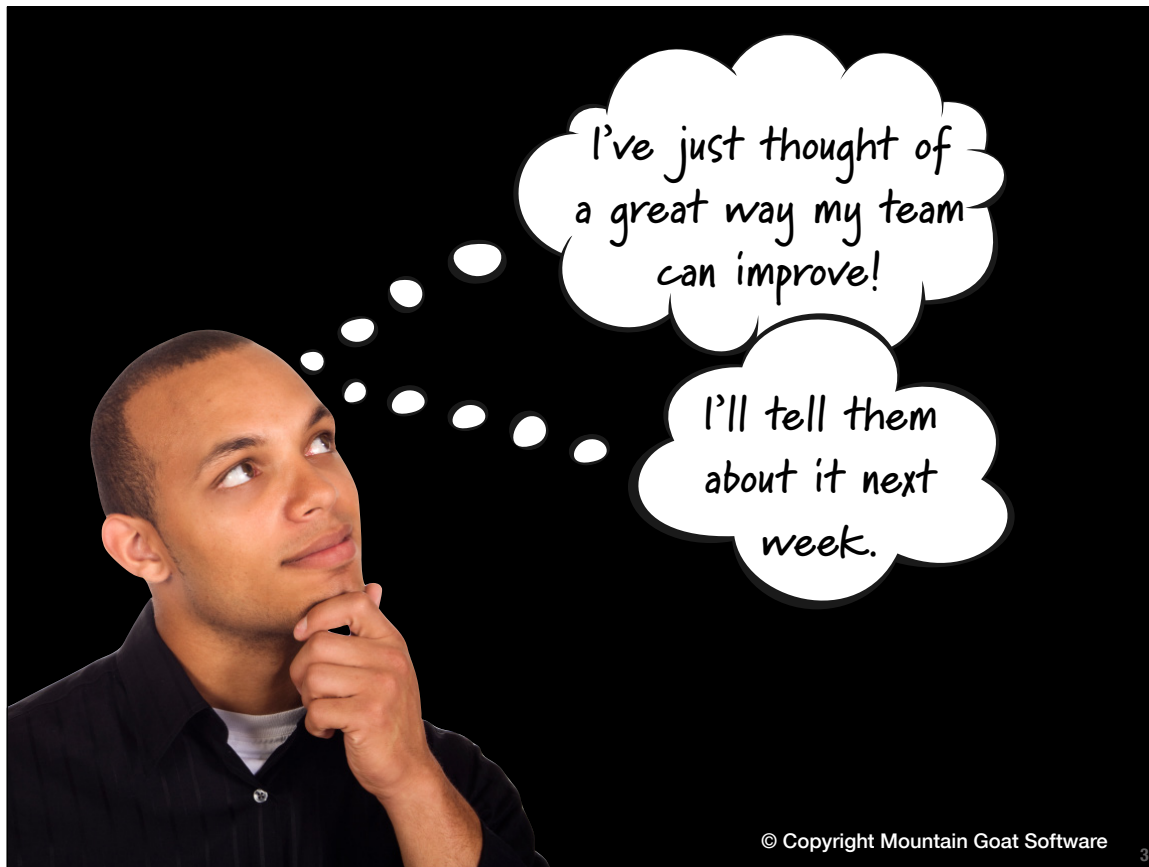
Product backlog

Cancel
Gift Wrap
Reviews

Wish Lists

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2



Quick Overview of Scrum

1

Two Trends Driving Change

2

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3



Scrum in Education

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Student Agile Projects



Team Agreement

- ▶ Self-Mediation
- ▶ Responsibility
- ▶ Accountability



Agile Classroom Learning

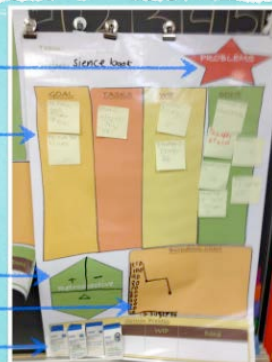
Problems Star

Scrum Task Board

Retro Box

Burndown

Scrum Cards



John Miller "Generation Agile"

“My little Scrum monsters”

“My students are in total control of their learning and they seemed to be annoyed with me when I have to tell them to stop. My students would scrum all day if I let them. In fact they try to, but I have to tell them we have other things to get done first. I call them ‘my little scrum monsters’ because they have grown so much and they are scrum crazy.”



Kim Mills, CSM, 4th grade teacher



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7

Marketing

- ▶ Validated learning over opinions and conventions
- ▶ Customer focused collaboration over silos and hierarchy
- ▶ Adaptive and iterative campaigns over Big-Bang campaigns



Source:
www.agilemarketingmanifesto.org

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8

- ▶ **The process of customer discovery over static prediction**
- ▶ **Flexible vs. rigid planning**
- ▶ **Responding to change over following a plan**
- ▶ **Many small experiments over a few large bets**

Law firms



Company Management



11

11



- ▶ **Quarterly strategy sprints**
- ▶ **45 managers and employees from all parts and levels of the company**
- ▶ **Typically identify five strategic themes**
- ▶ **Specific, measurable initiatives within each theme**
- ▶ **Detailed action plans with measurable outcomes**

*"Should You Build Strategy Like You Build Software?"
MIT Sloan Management Review, Spring 2008.*

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12

12

Construction



Lean Construction

- Collaborative design
- Iterate
- Structure work to maximize value and reduce waste
- Focus on total value rather than reducing cost
- Make things happen rather than just monitor

13

13

Families



14

14

Quick Overview of Scrum

1

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2

Scrum Beyond Software

More Frequent Releases

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15

15

The Old Days

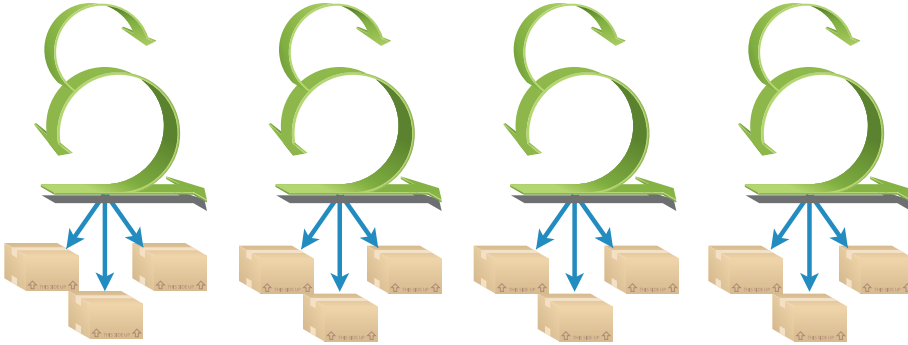


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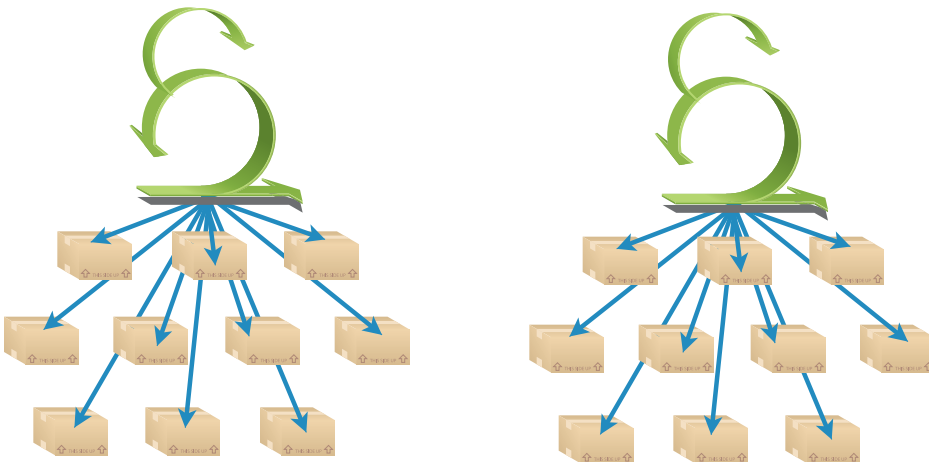
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16

Today



Tomorrow



**“Boss, we’ll give you
working software in
30 days.”**

“Nice!”

**“Why would I
wait 30 days?”**

1995

2002

2007

2012

“Amazing!”

“Acceptable.”

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19



**What used to be impressive
has become commonplace.**

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20

A Fairly Predictable Progression

**Continuous
Deployment**

System is released to users after every good build

**Continuous
Delivery**

System is delivered to the business on every check-in and could be easily released if desired

**Continuous
Integration**

System is built (and tested) whenever code is checked in

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3

Welcome to the Agile Atlas

Explore the world of Agile practices - take a wander through the map or go on a guided tour. The map-makers are working hard to chart all the territory.

ScrumAlliance
transforming the world of work

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Example Rules

- ▶ Sprints cannot be longer than a month.
- ▶ Get together at the start of the sprint and figure out what you'll do in the sprint.
- ▶ Be "done" with something by the end of each sprint.



*"If I'd followed all
the rules, I'd never
have gotten
anywhere."*



25

A Lot More Than the Rules

**Test-Driven
Development**

Pair Programming

Sprint 0

Task Boards

**Definition
of Done**

User Stories

**Don't Start
on Monday**

**Backlog
Grooming**

Rules

- ▶ If you aren't doing these, you aren't doing Scrum

Good Ideas

- ▶ Any idea a Scrum team could benefit from knowing

GASPs

- ▶ Generally Accepted Scrum Practices
- ▶ A practice every Scrum team or ScrumMaster should know, even if they don't do it
- ▶ GASPs can be domain-specific

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27

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Good Ideas

Don't Start on Monday

Sprint 0

GASPs

User Stories

Task Boards

Backlog Grooming

Software-Specific GASPs

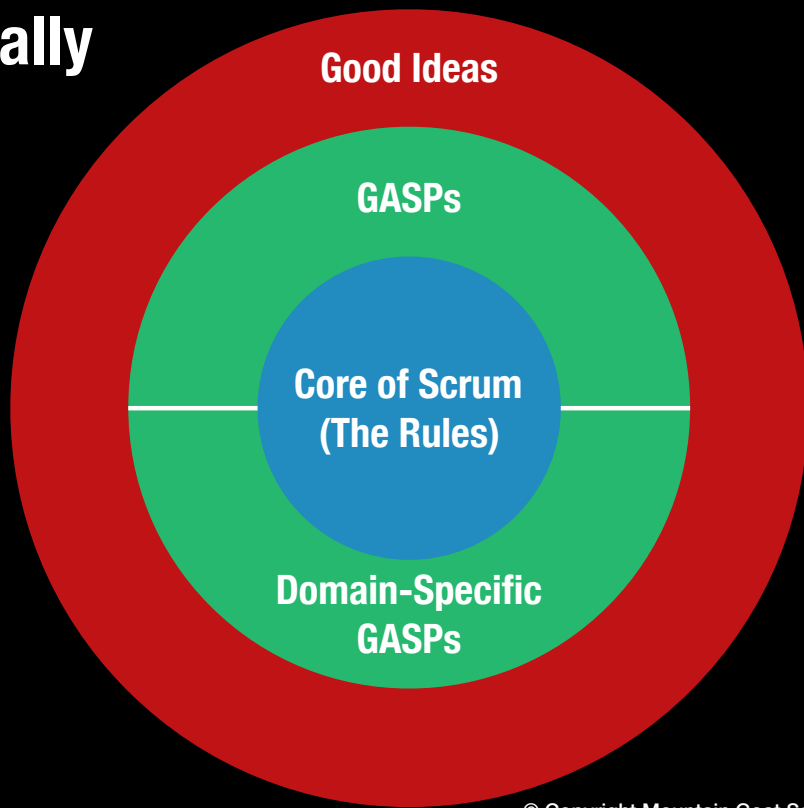
Test-Driven Development

Pair Programming

28

28

Graphically

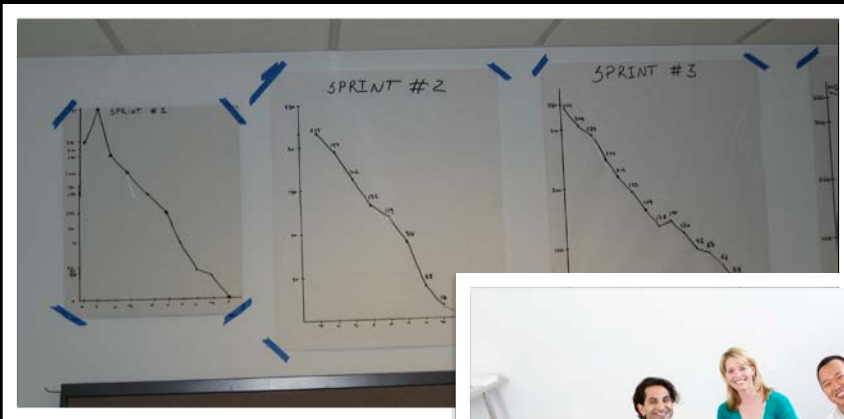


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29

From Core to GASP



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30

30

Sprint Review



From GASP to Core Scrum

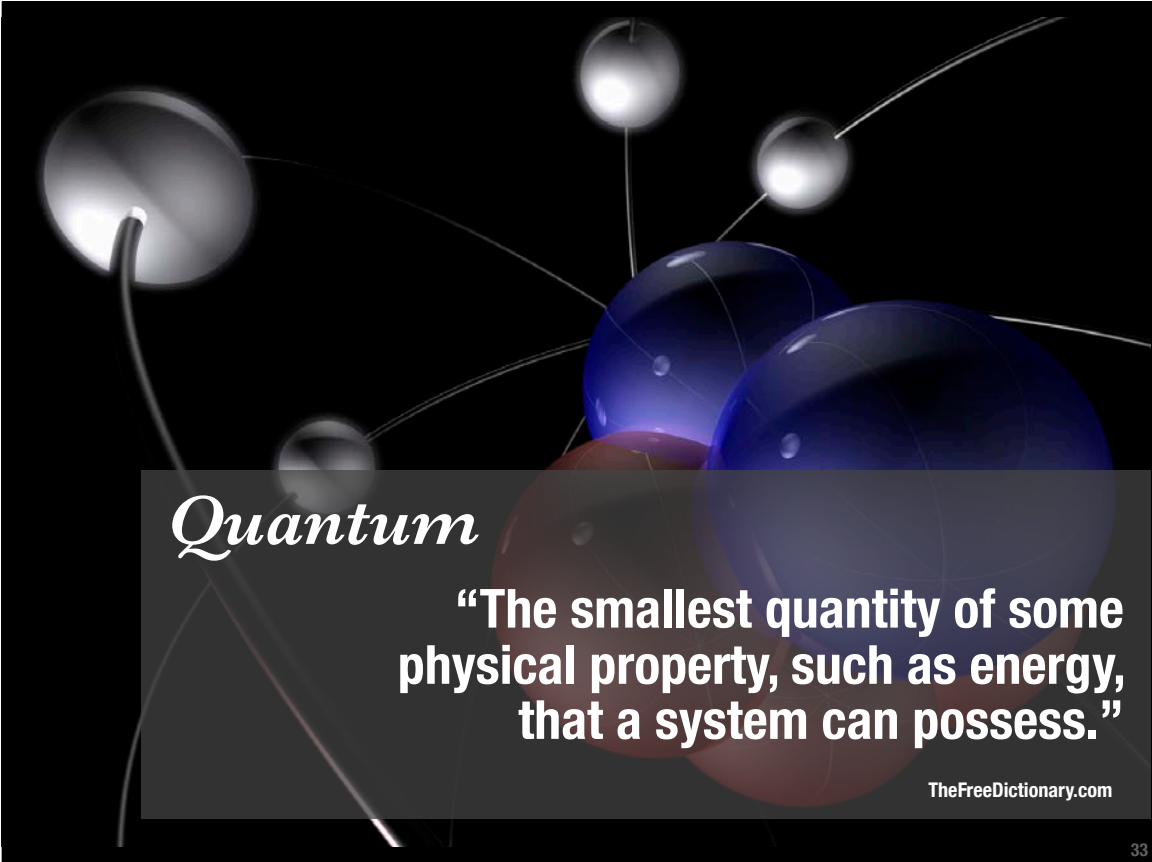
Core Scrum

GASPs

Definition of Done

Definition of Ready

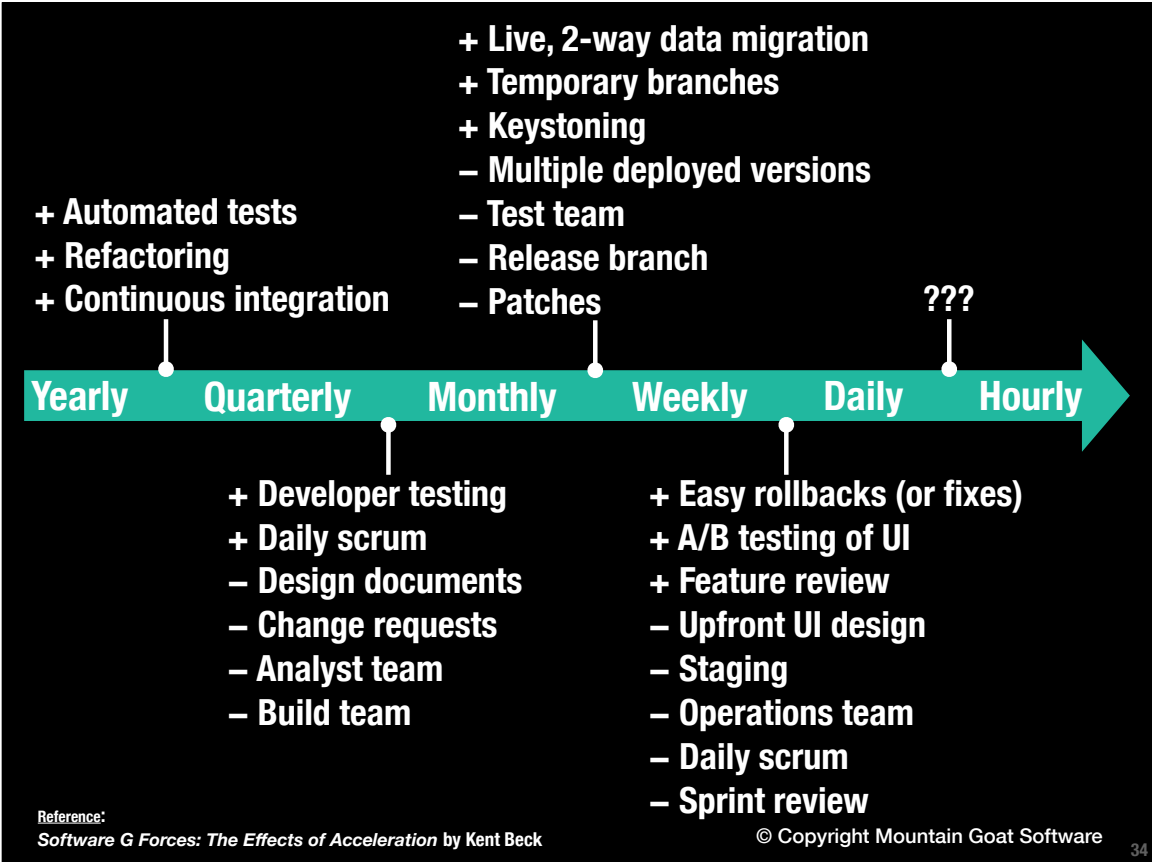
**Product Backlog
Grooming Meeting**



Quantum

“The smallest quantity of some physical property, such as energy, that a system can possess.”

TheFreeDictionary.com



Reference:
Software G Forces: The Effects of Acceleration by Kent Beck

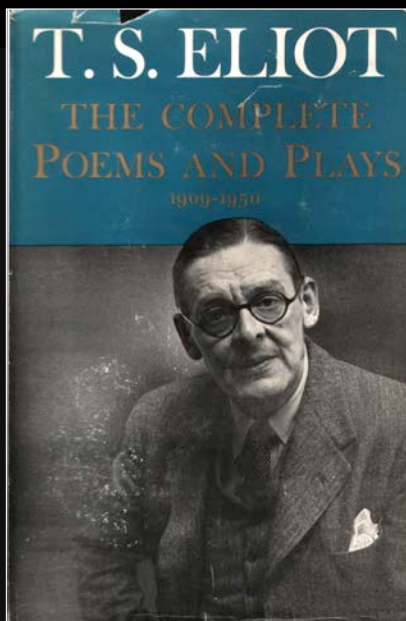
Summary of Predictions

- ▶ Scrum will continue expanding outside software
- ▶ Releases will occur much more frequently
- ▶ Scrum's "Body of Knowledge" will be collected (at least informally) as a set of rules, Generally Accepted Scrum Practices (GASPs), and plain ol' good ideas
- ▶ Collections of GASPs will be identified for different domains and niches so we have Software Development Scrum, Hardware Scrum, Marketing Scrum, Quantum Scrum, and so on

35

35

Scrum Will Always Remain a Framework



“When forced to work within a strict framework the imagination is taxed to its utmost—and will produce its richest ideas. Given total freedom the work is likely to sprawl.”

36

36

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37

37