
The new age of flow

Flow – That is more than continuous deployment
Flow – That is a mindset of an organization



Slide 1
30. April 2014

Rainer Grau, Executive Director

© Zühlke 2014

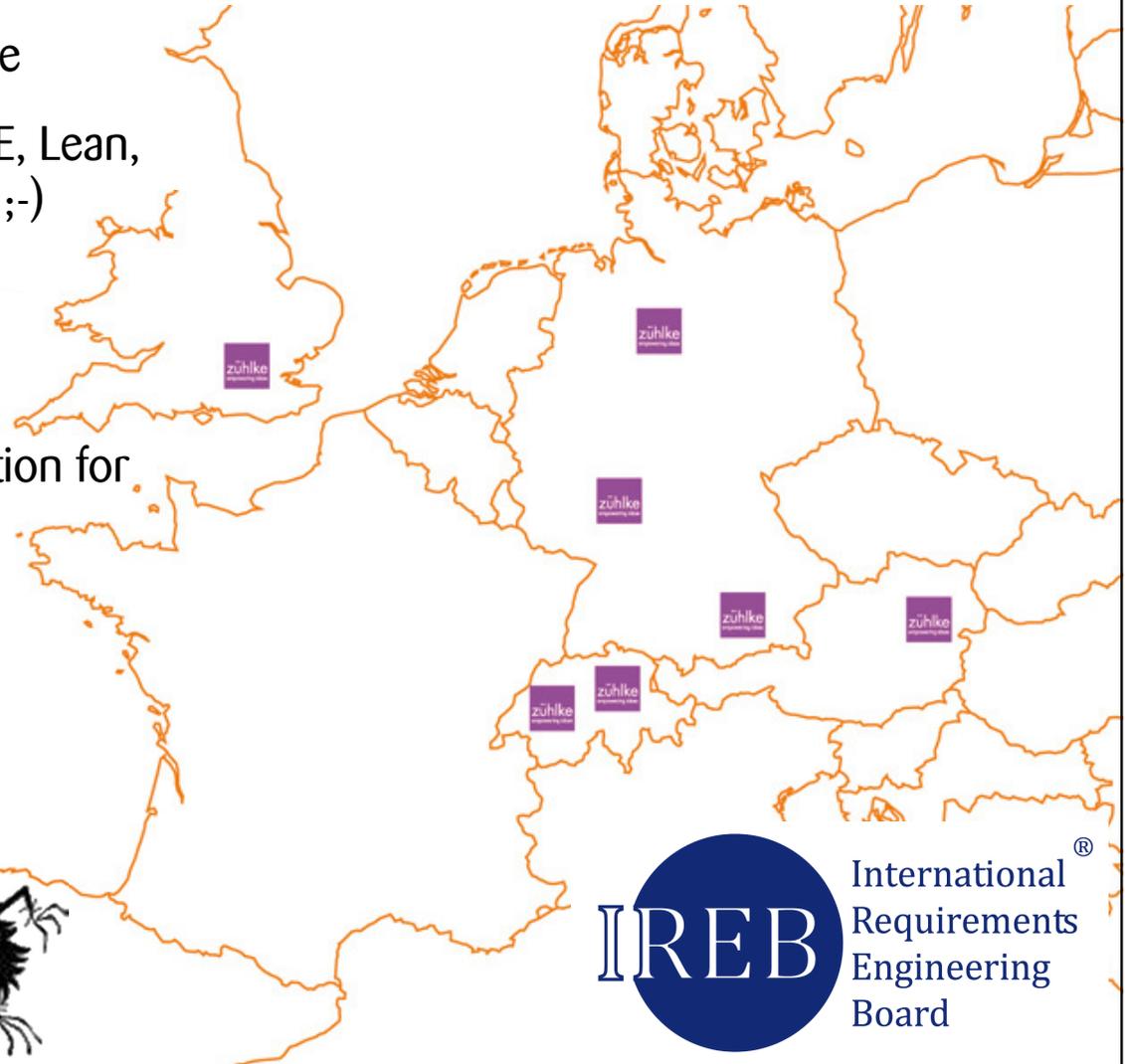
Rainer Grau

Executive Director & Partner

Distinguished Engineer

zühlke
empowering ideas

- Executive Director and Partner Zühlke
- Distinguished Consultant for SPM, RE, Lean, Agile, Change Mgmt (not for Testing ;-)
- Board of directors IREB
- Board member ISPMA
- Head STC Informatics Swiss Association for Quality
- Founder Swiss Agile Leaders Circle



Die Hard* – or: the old school

Die Hard (I – IV)*

A set of nice movies with Bruce Willis – you do not want to try that...



UK Tester Forum
Slide 3
30. April 2014

Failure 1: Detailed Upfront work is value

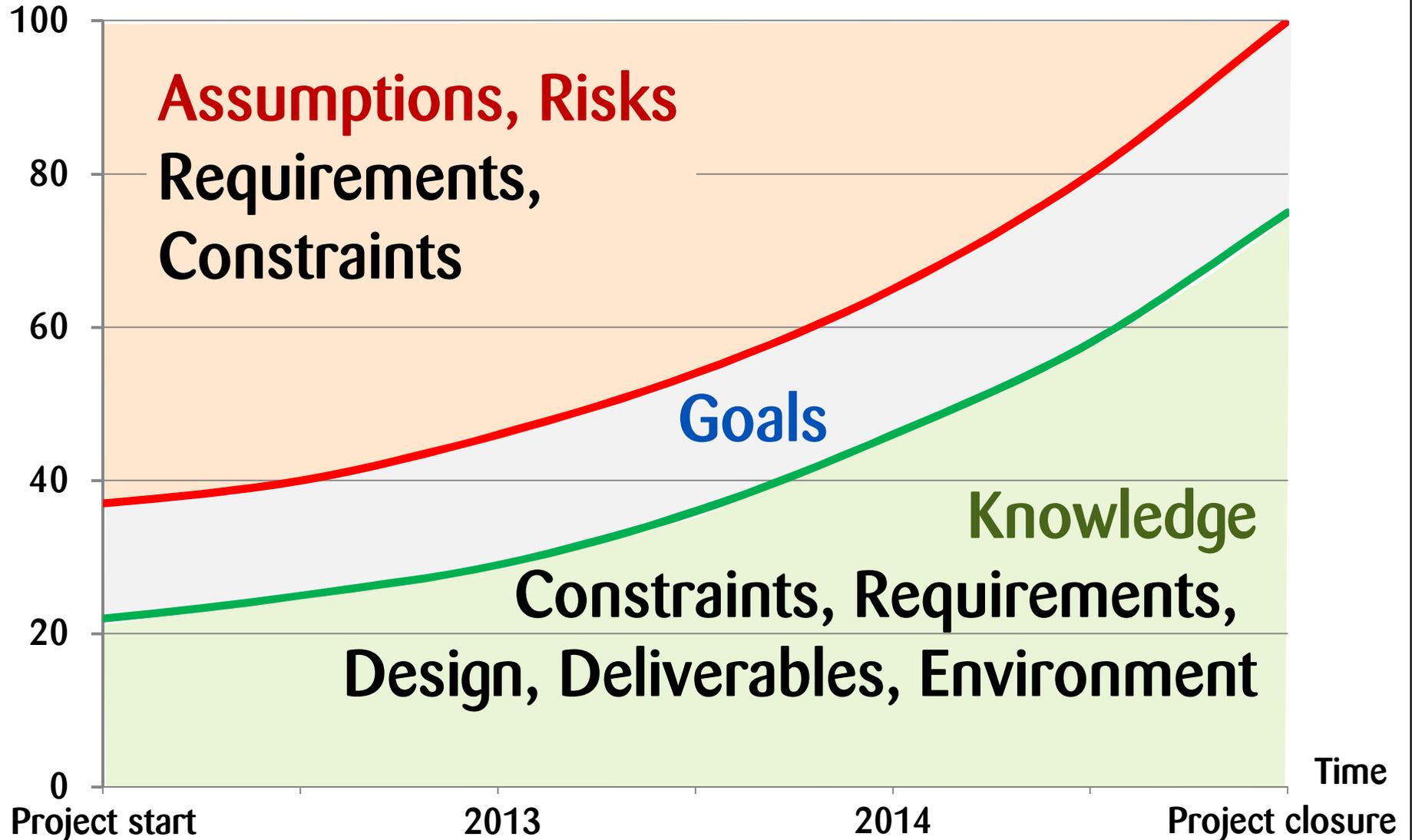


Failure 2: Validation without real user feedback



Failure 3: Long Term planning avoids risks

Knowledge
[per cent]



Failure 4: Quality can be tested and built at the end



Adrenalin Junckies* – or: the agile extreme

***) Adrenaline Junkies and Template Zombies**

A book by Tom de Marco: recommended reading for everybody in IT



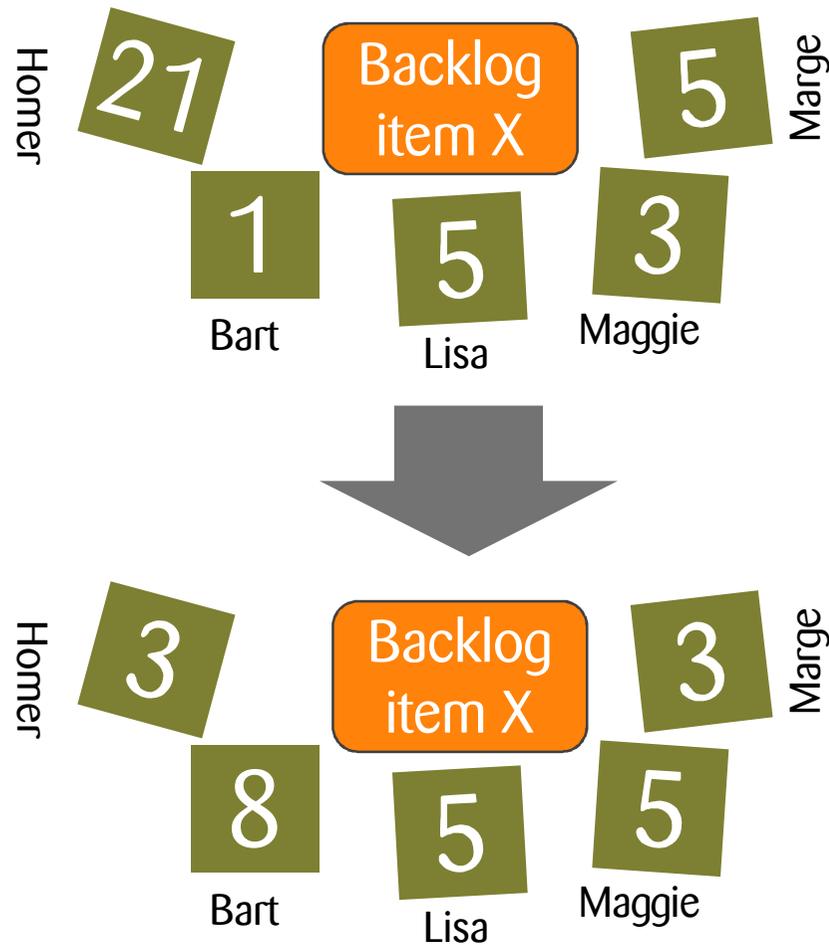
...Backlog, Sprints, the Team and a (good) PO



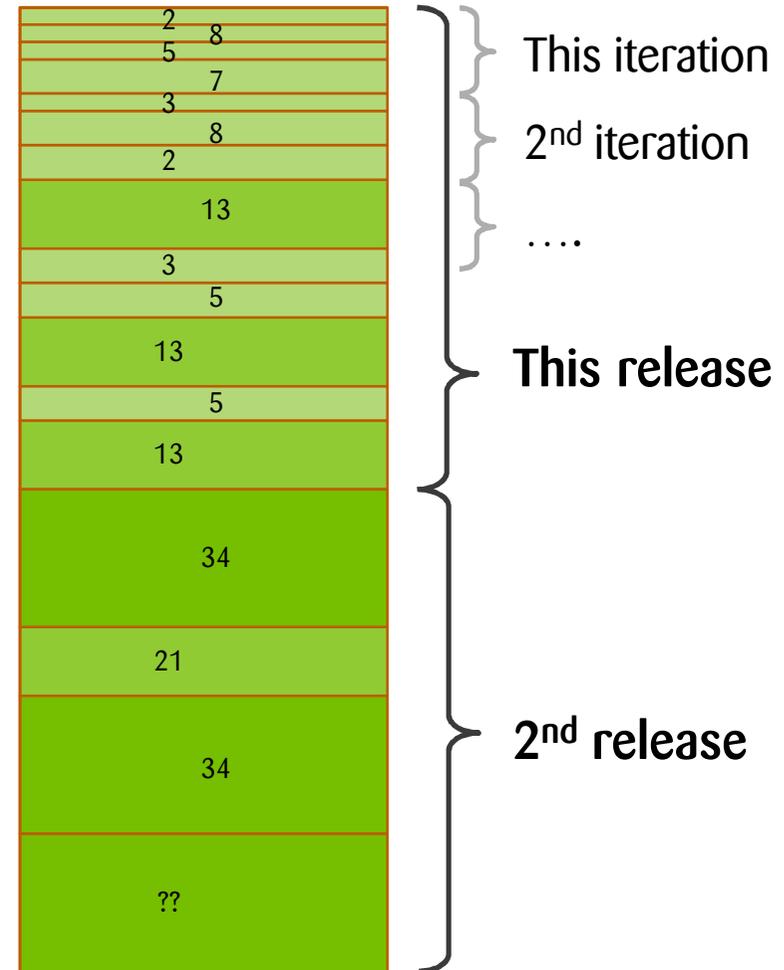
A team sharing tacit knowledge

Realistic, instead of Management defined, Estimation and Prioritization

Planning Poker



Product Backlog



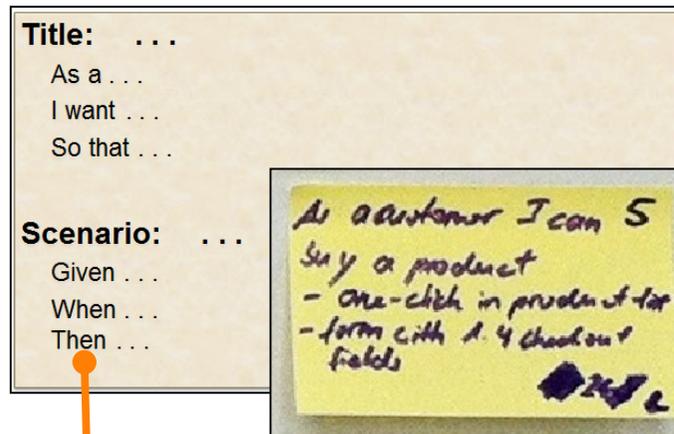
A lightweight RE maturity model

Definition of Ready



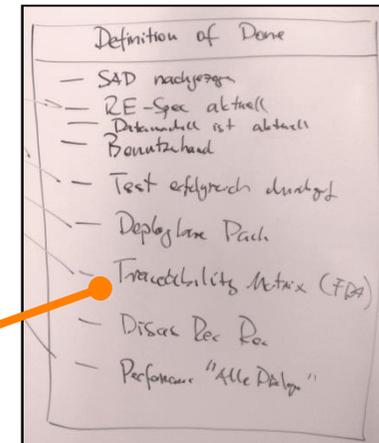
**Maturity Definition
for Dev-Gate**

User Stories



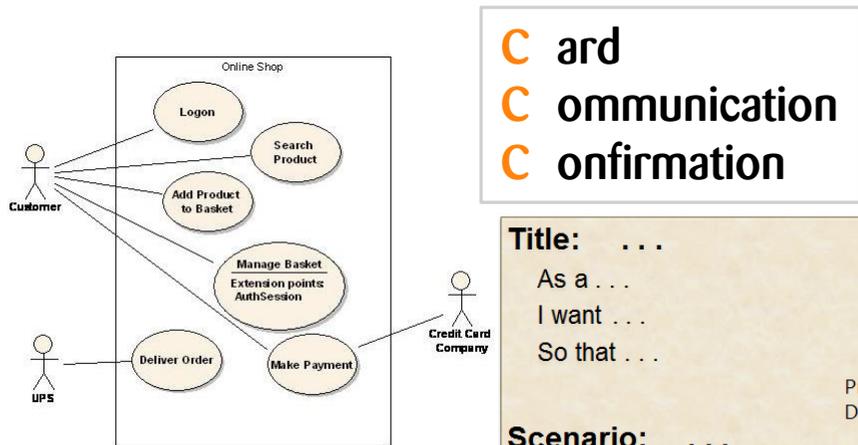
**Function specific
Acceptance criteria**

Definition of Done



**Additional
Acceptance criteria**

From use cases to user stories



Card
Communication
Confirmation

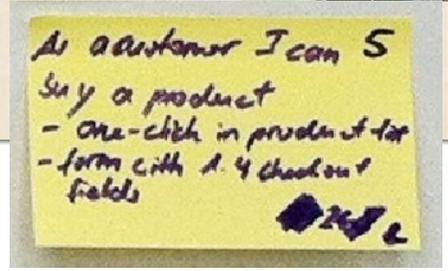
collaboration and feedback



Independent
Negotiable
Valuable
Estimable
Small
Testable

Title: ...
 As a ...
 I want ...
 So that ...

Scenario: ...
 Given ...
 When ...
 Then ...

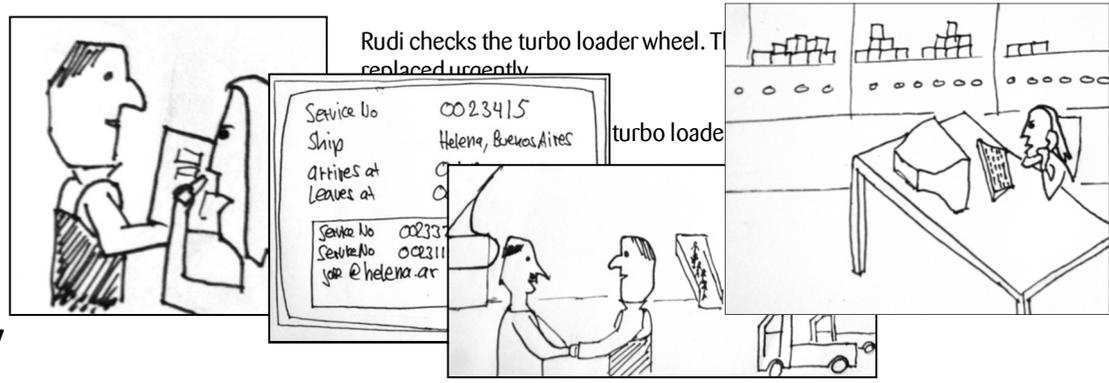


acceptance criteria

quality criteria

Inspired by Ux methods

- Personas
- Storyboards
- Contextual Inquiry



Intouchable*

*) Intouchable

A Movie about extreme viewpoints that emerge into a better world



UK Tester Forum
Slide 13
30. April 2014

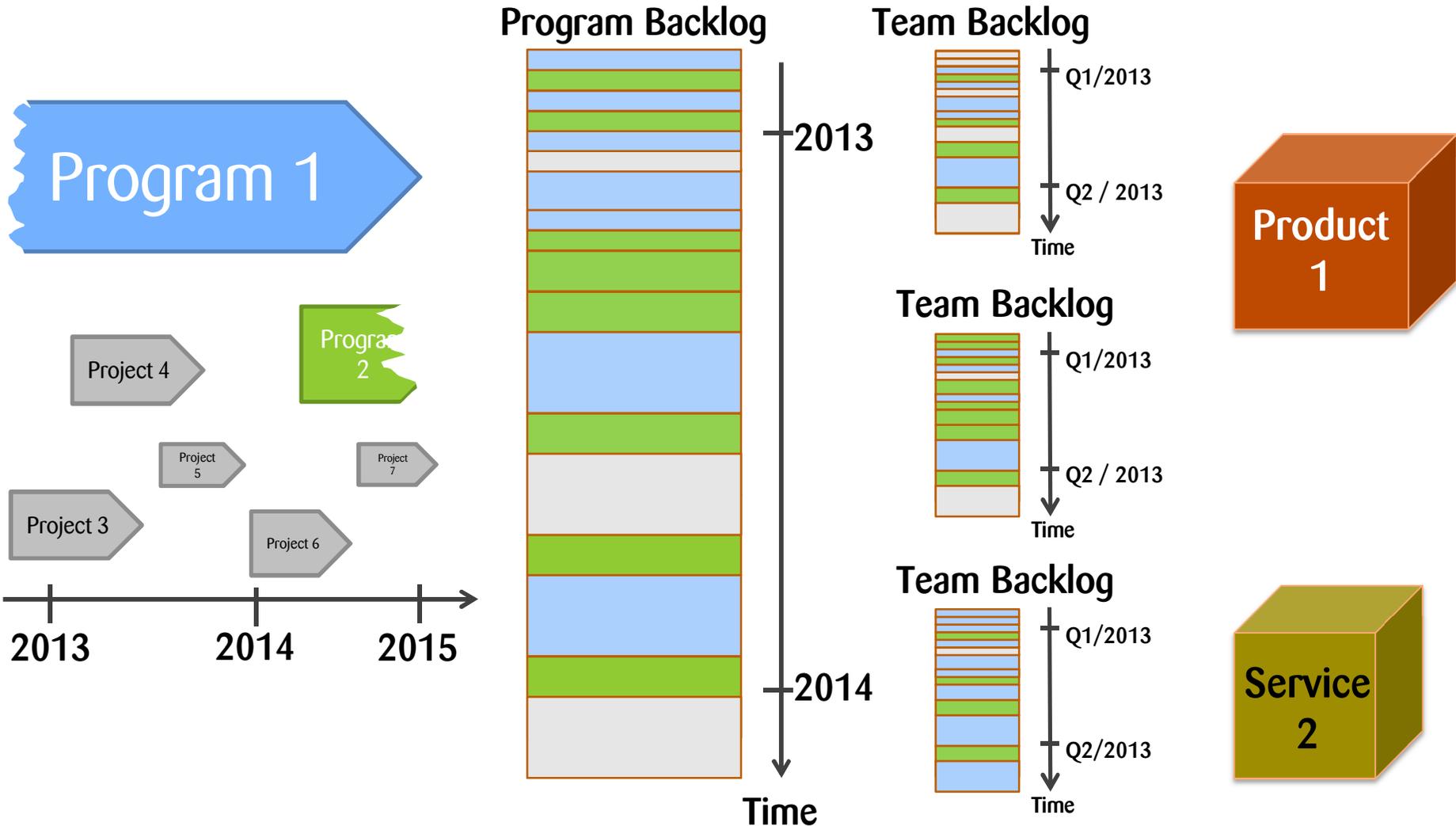
Yes, there are business projects with fix milestones

Demand

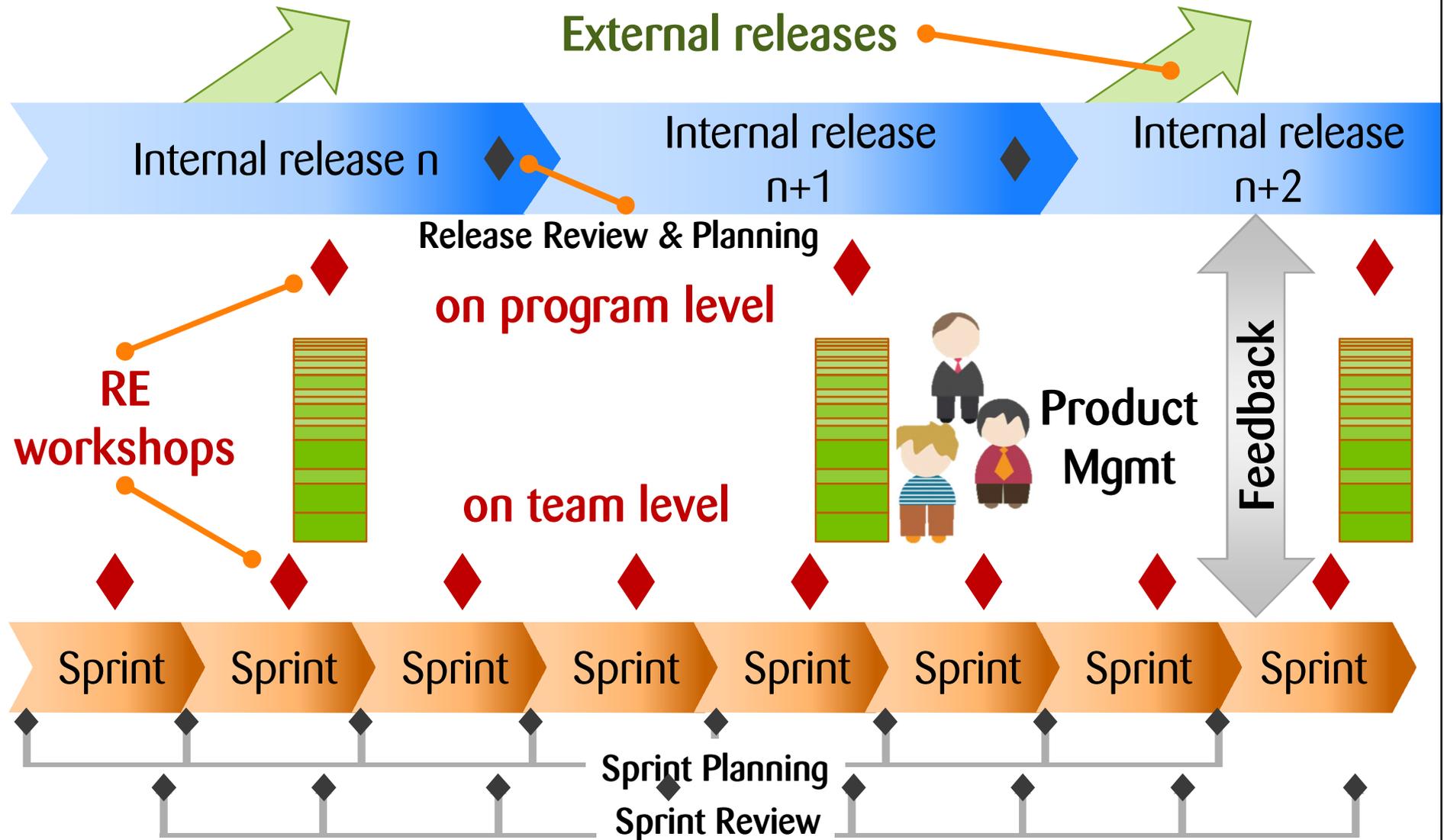
Product Mgmt

Development

Product



Yes, there are releases (at least external ones)



Product Development with n Teams

The sixth sense*

*) The sixth sense

A movie with Bruce Willies (again ;-)
Extrasensory perceptions help us to find new ways...



UK Tester Forum
Slide 16
30. April 2014

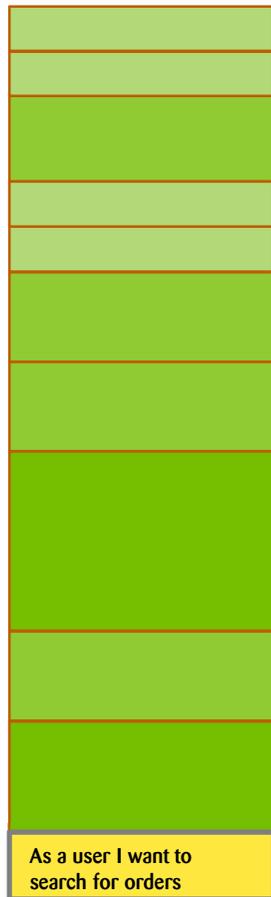
We live in a continuous world – we love flow



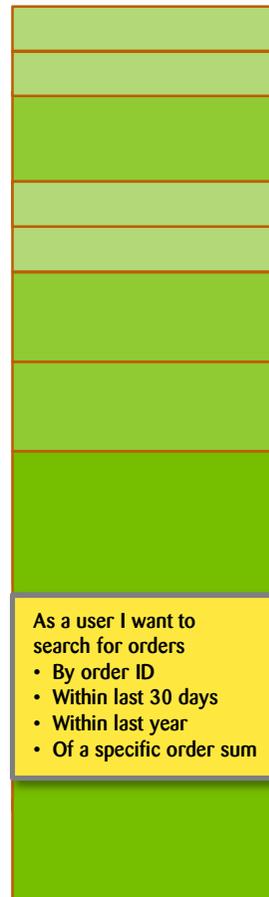
Our thinking is flow – things mature, we nurture

The RE-section of the life cycle of a user story

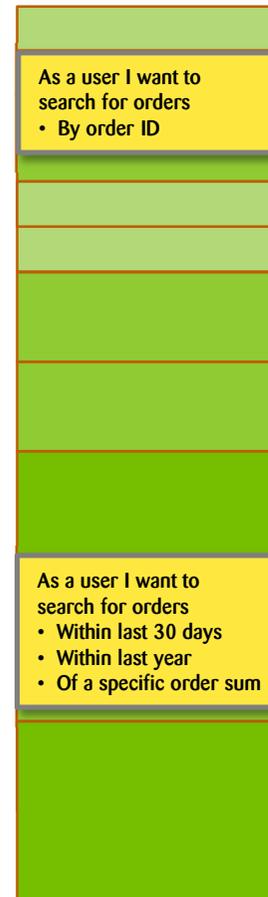
10 weeks ago



6 weeks ago



3 weeks ago



today



Our thinking is flow – things mature, we nurture

The complete life cycle of every user story

3 months ago

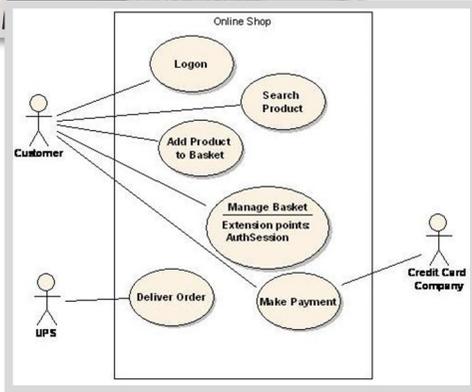
10 weeks ago

today

in 2 weeks



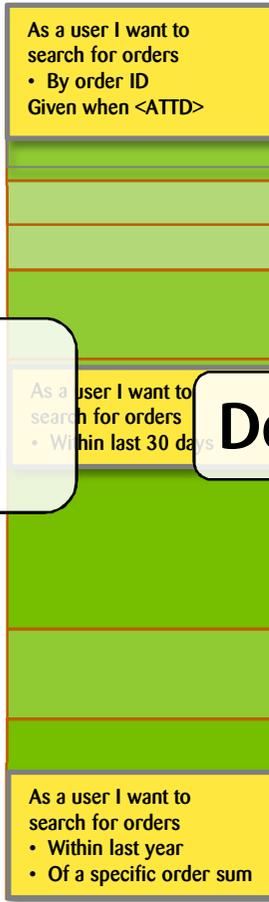
Idea



Requirements and acceptance criteria



As a user I want to search for orders



As a user I want to search for orders
 • By order ID
 Given when <ATTD>

As a user I want to search for orders
 • Within last 30 days

As a user I want to search for orders
 • Within last year
 • Of a specific order sum

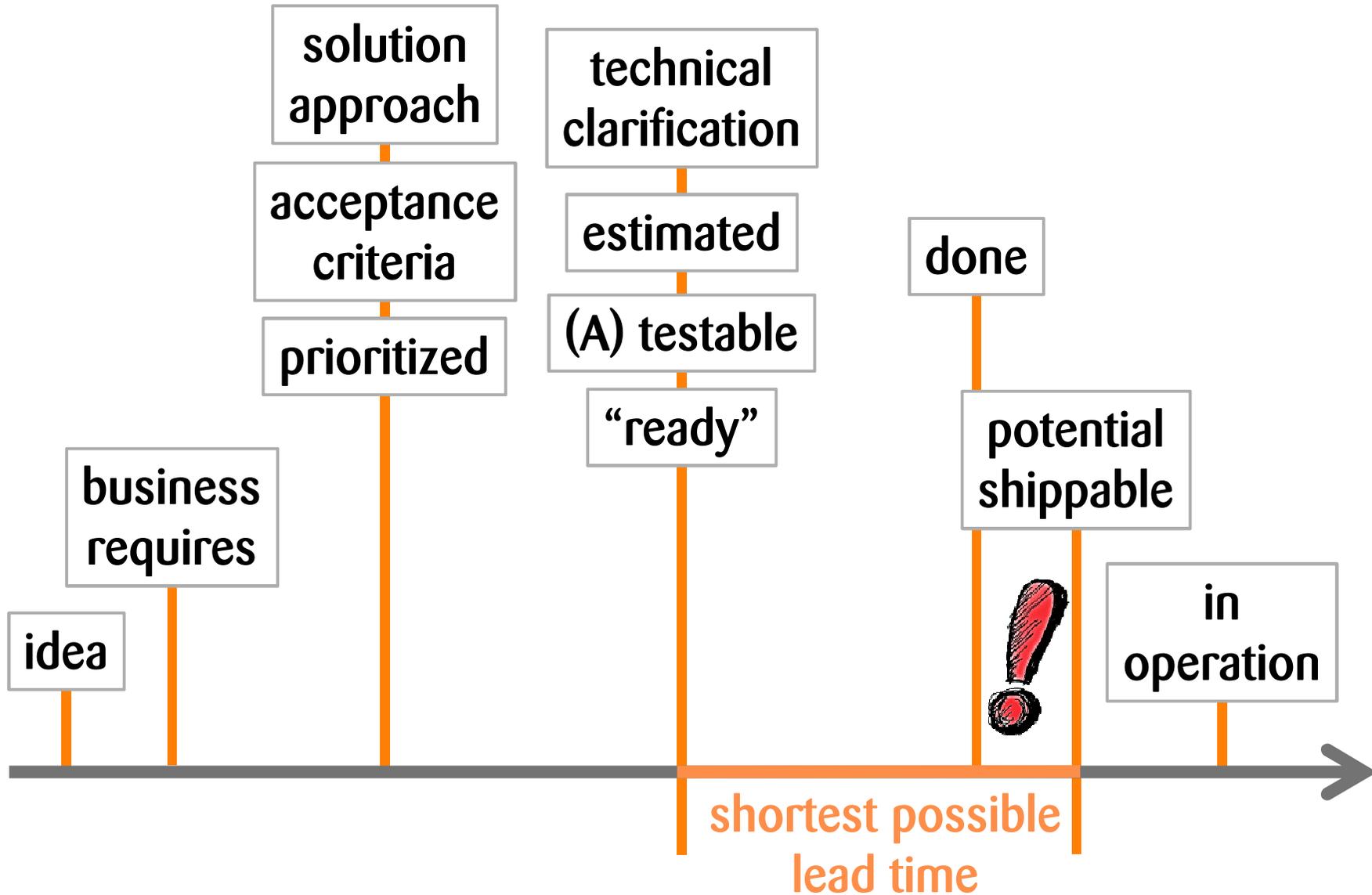
Dev



Ops

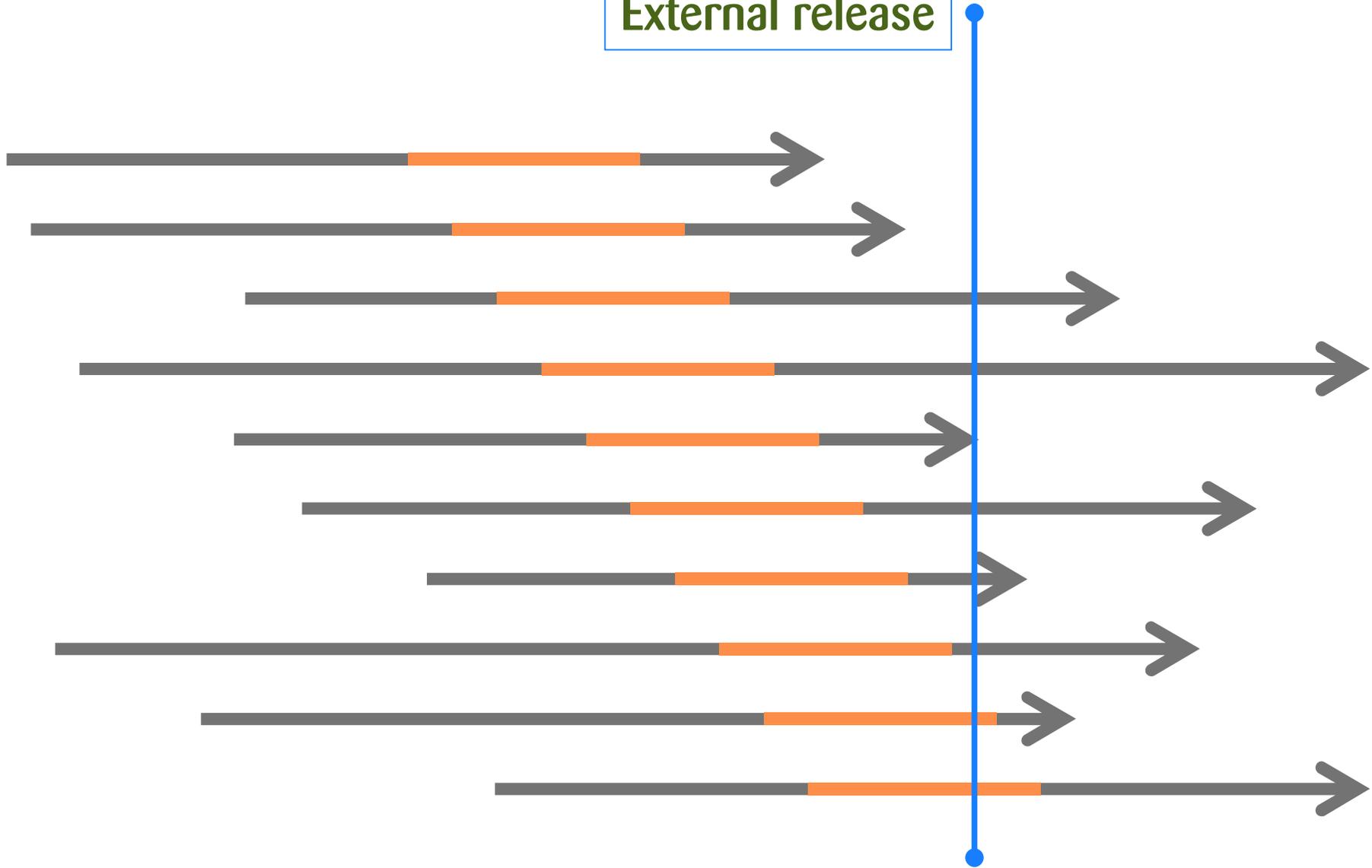


The complete life cycle of a user story



The complete life cycle of many user stories (in an ideal world)

External release



Use flow oriented development – release on demand

Every single requirement (user story) has its specific life cycle

Link requirements engineering to test engineering

- “Acceptance testable” is a first class technical attribute

Minimize the lead time “ready” to “potential shippable”

- Increase test automation for acceptance testing
- Reduce staging process to zero (zero deployment)

Do not work in batches – minimize batches

- Sprints do not represent batches – sprints measure velocity
- Releases do not represent batches – satisfy customer needs

➔ **strive for a flow mindset**

Let development flow

