
The new age of flow

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



Slide 1
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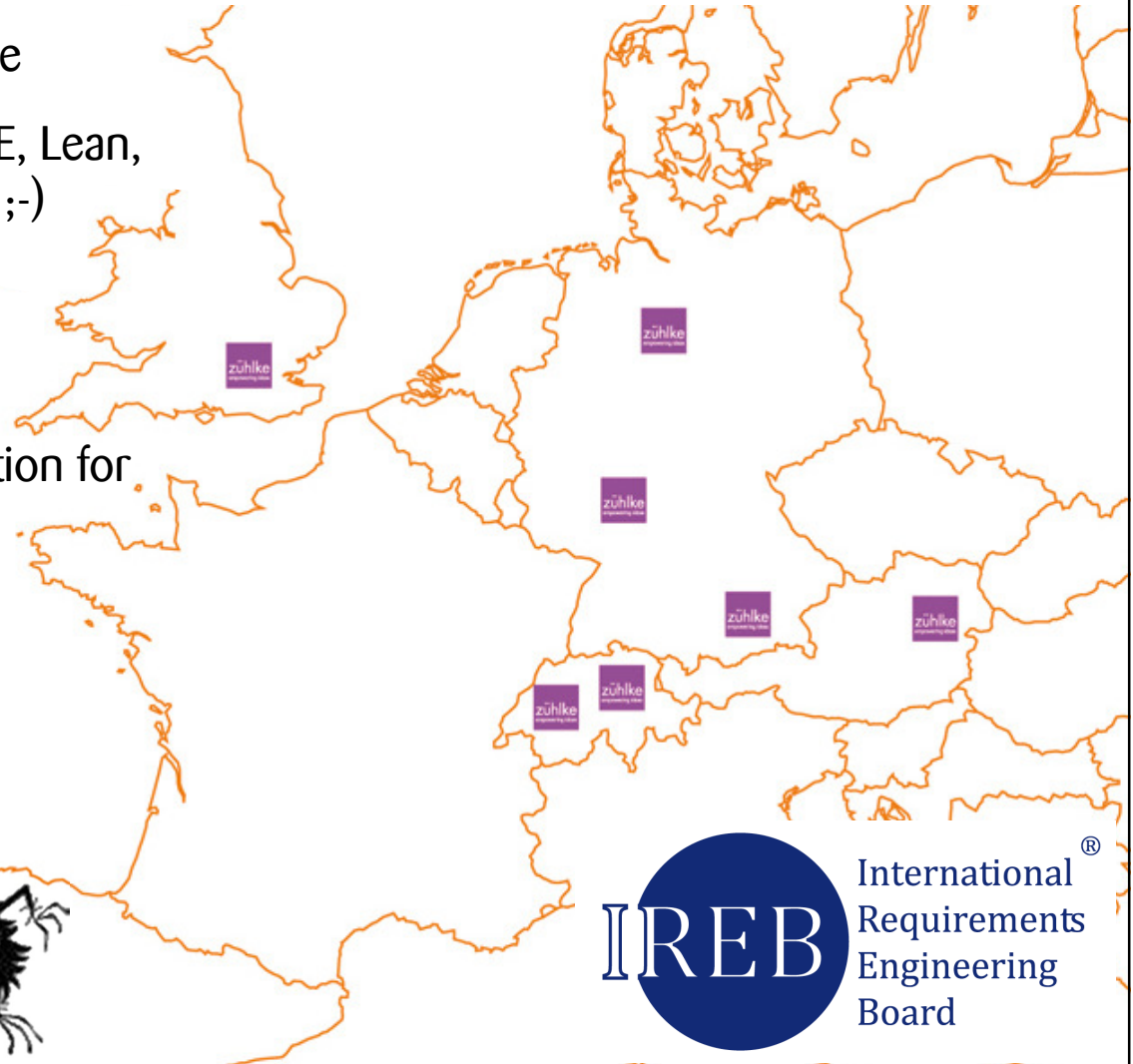
Rainer Grau

Executive Director & Partner

Distinguished Engineer



- 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...



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Failure 1: Detailed Upfront work is value

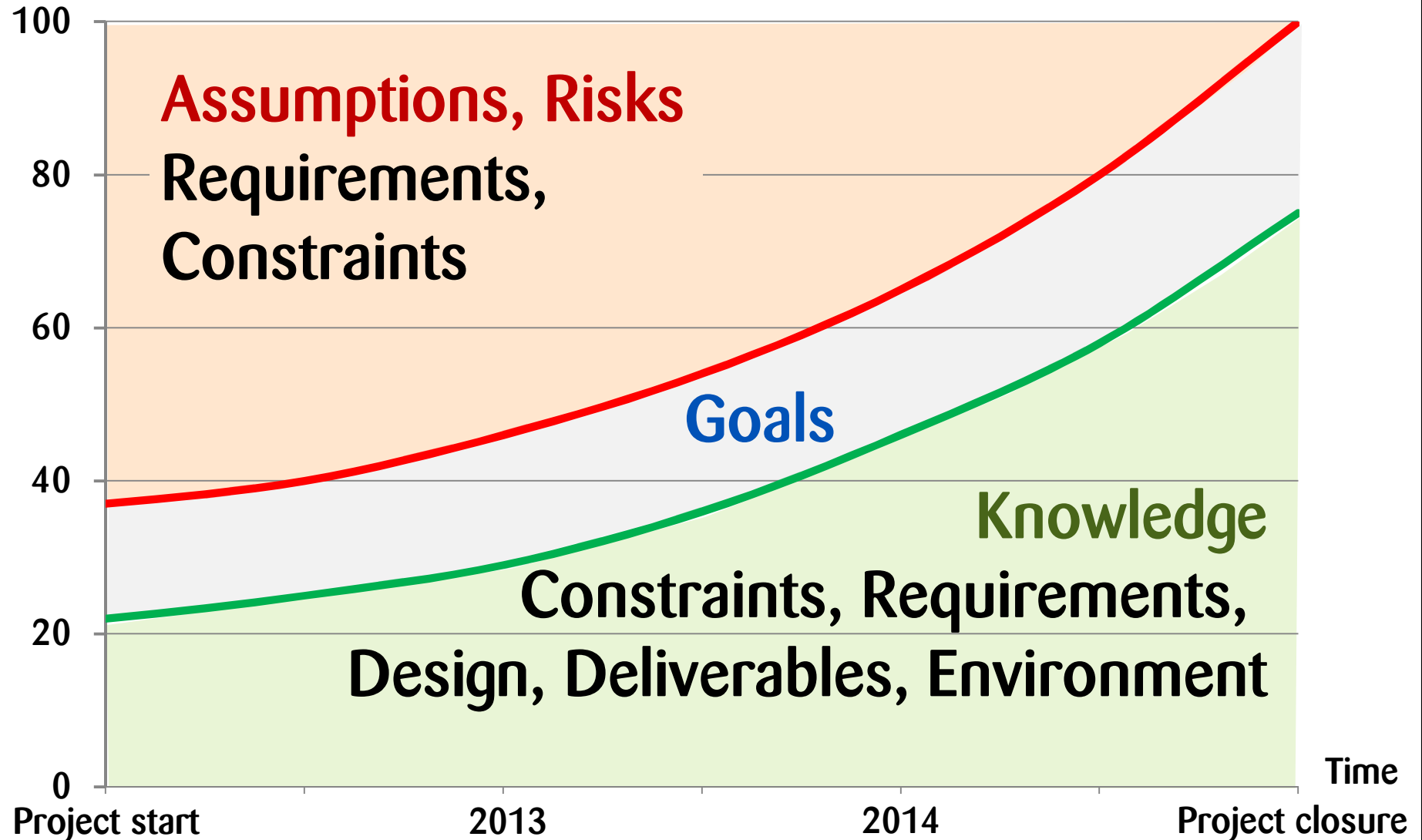


Failure 2: Validation without real user feedback



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

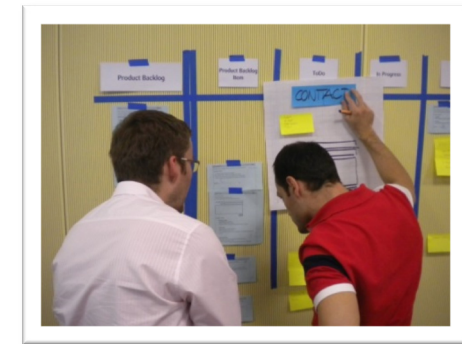
***) Adrenaline Junkies and Template Zombies**

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



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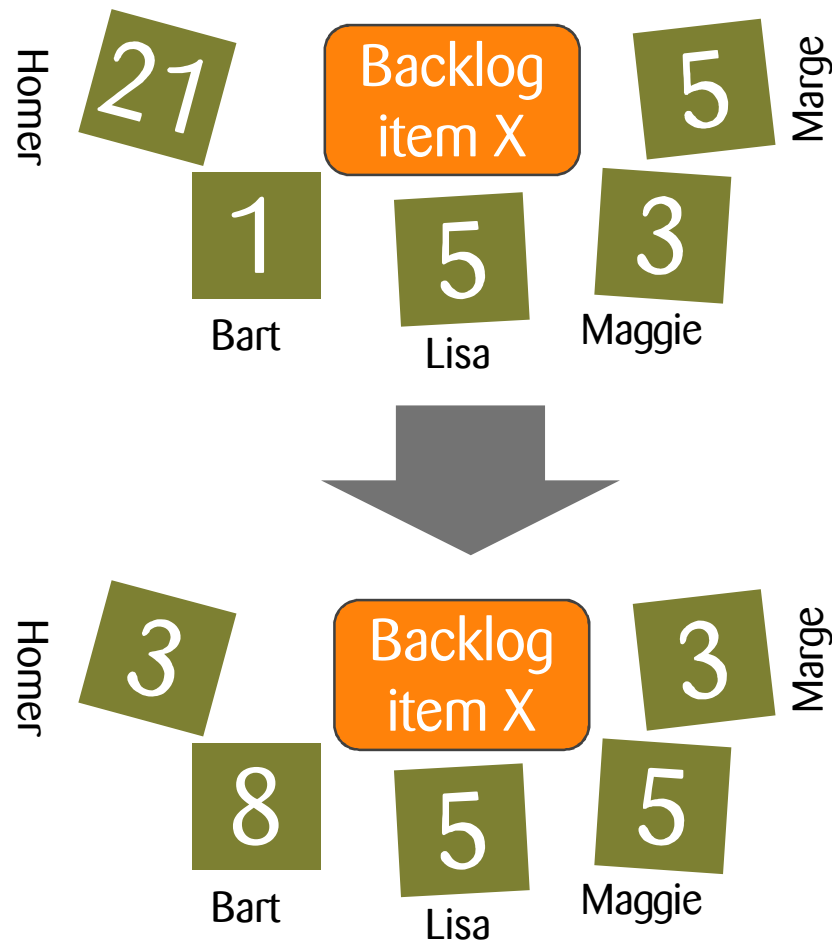
...Backlog, Sprints, the Team and a (good) PO



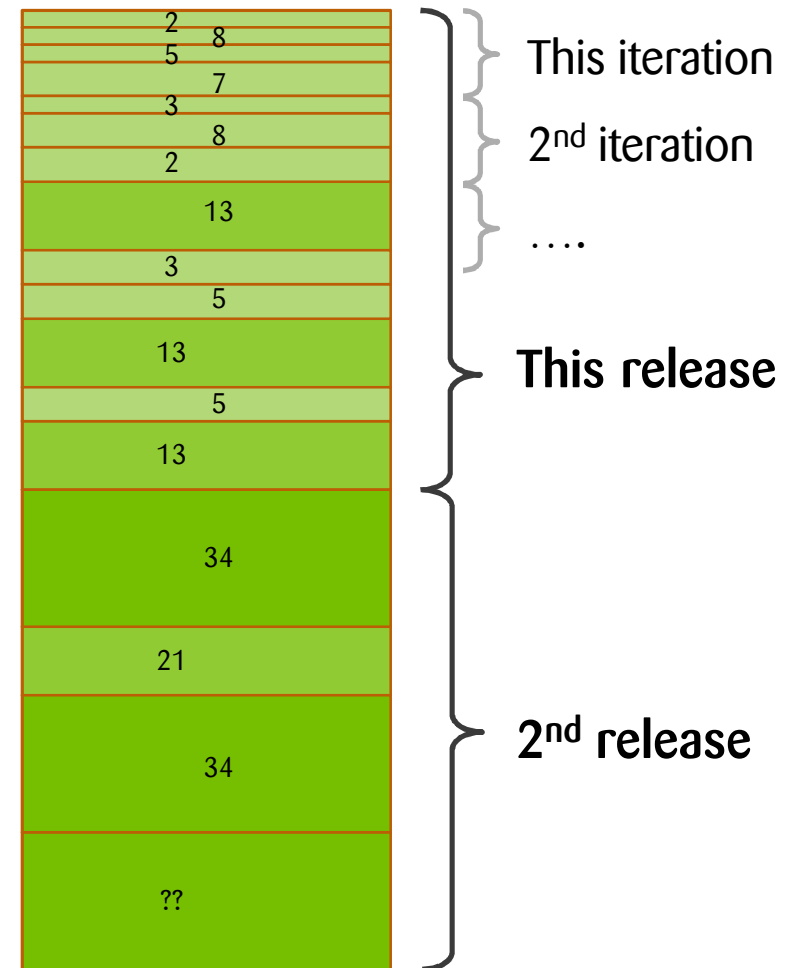
A team sharing tacit knowledge

Realistic, instead of Management defined, Estimation and Prioritization

Planning Poker



Product Backlog



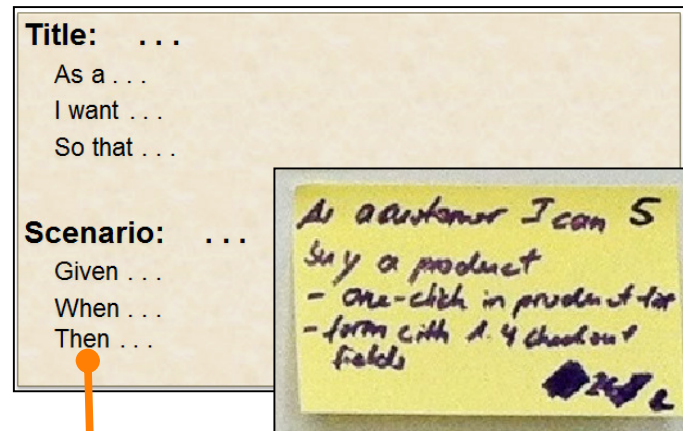
A lightweight RE maturity model

Definition of Ready



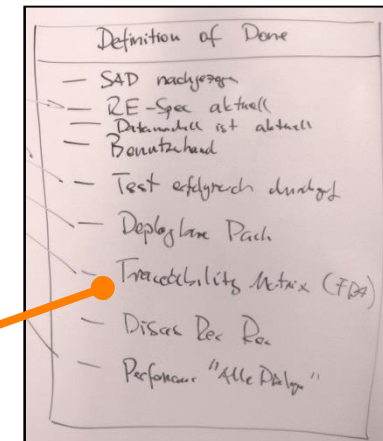
**Maturity Definition
for Dev-Gate**

User Stories



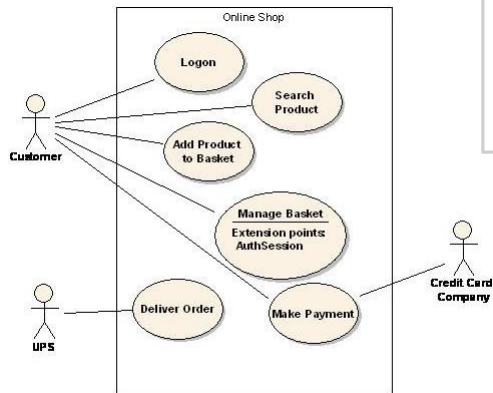
**Function specific
Acceptance criteria**

Definition of Done



**Additional
Acceptance criteria**

From use cases to user stories



Card
Communication
Confirmation

collaboration and feedback



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

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

*As a customer I can S
buy a product
- one-click in product list
- form with 1.4 checkout
fields*

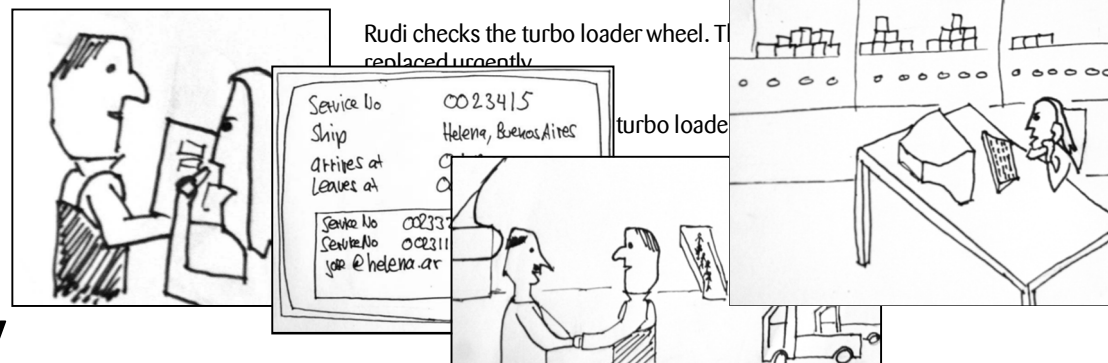
Independent
Negotiable
Valuable
Estimable
Small
Testable

acceptance criteria

quality criteria

Inspired by Ux methods

- Personas
- Storyboards
- Contextual Inquiry



Intouchable*

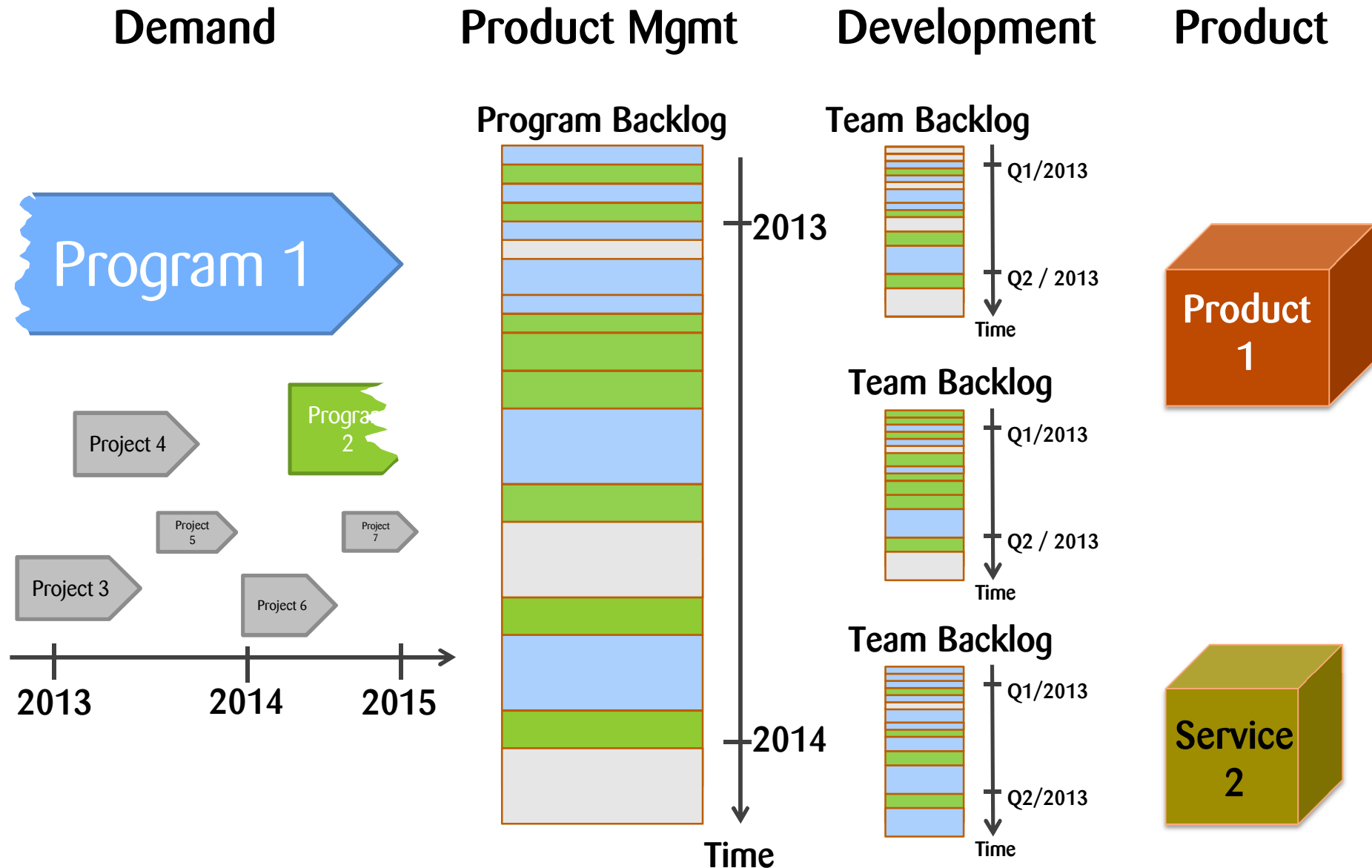
*) Intouchable

A Movie about extreme viewpoints that emerge into a better world

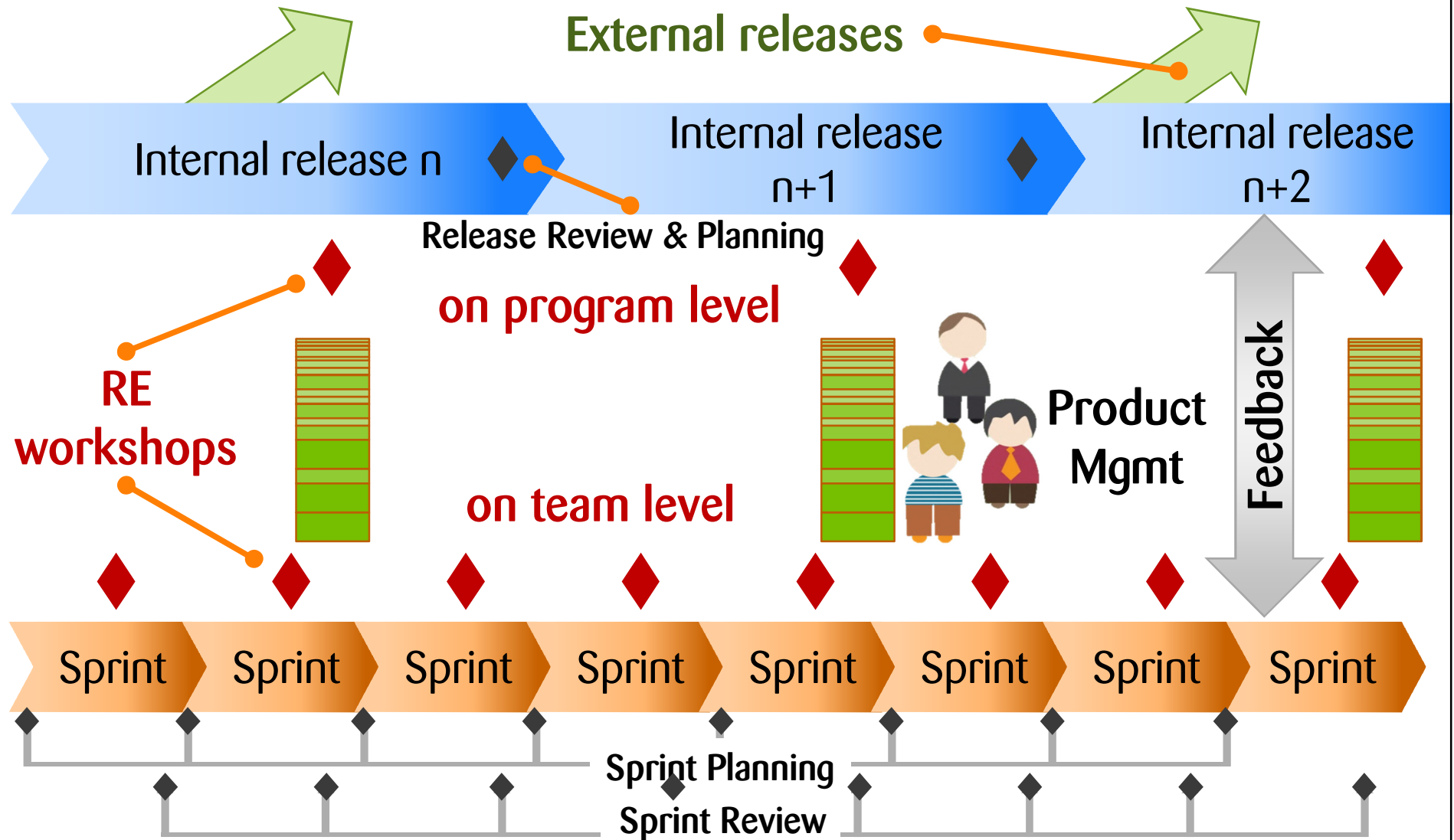


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Yes, there are business projects with fix milestones



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...



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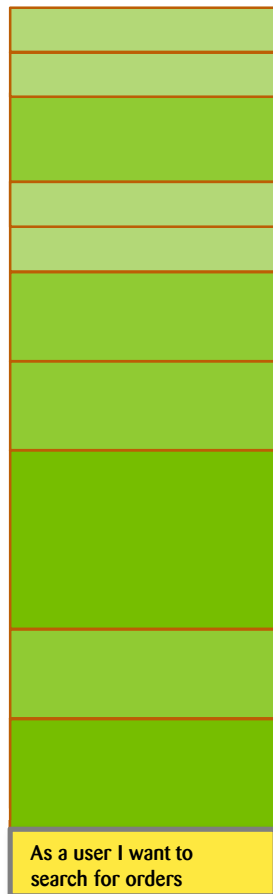
We live in a continuous world – we love flow



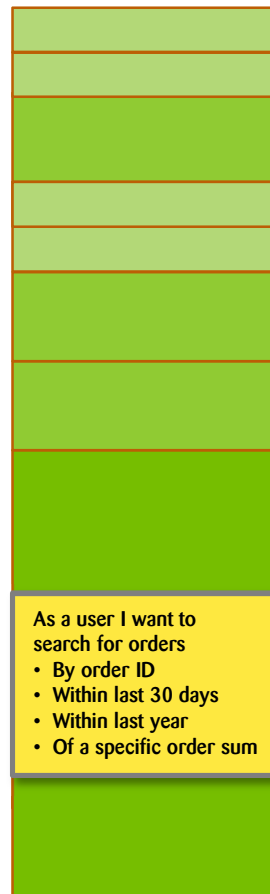
Our thinking is flow – things mature, we nurture

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

10 weeks ago



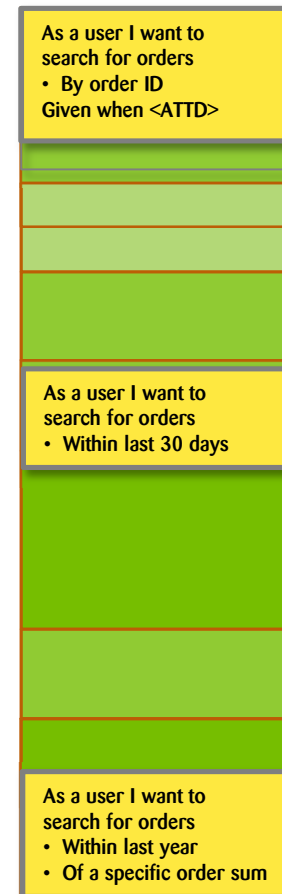
6 weeks ago



3 weeks ago



today



Our thinking is flow – things mature, we nurture

The complete life cycle of every user story

3 months ago

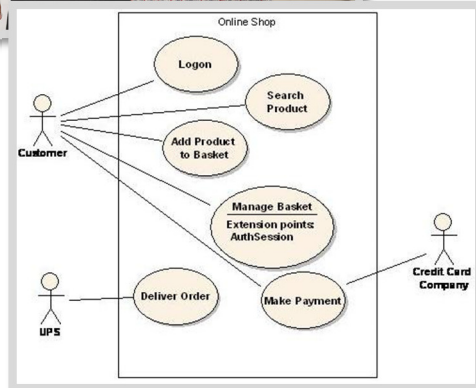
10 weeks ago

today

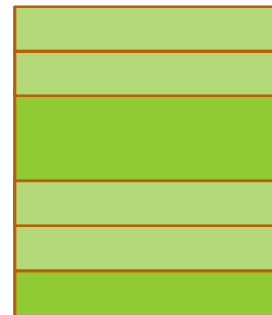
in 2 weeks



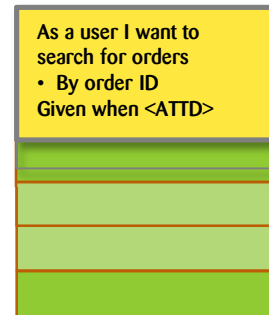
Idea



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>
- Within last 30 days

Dev

As a user I want to search for orders

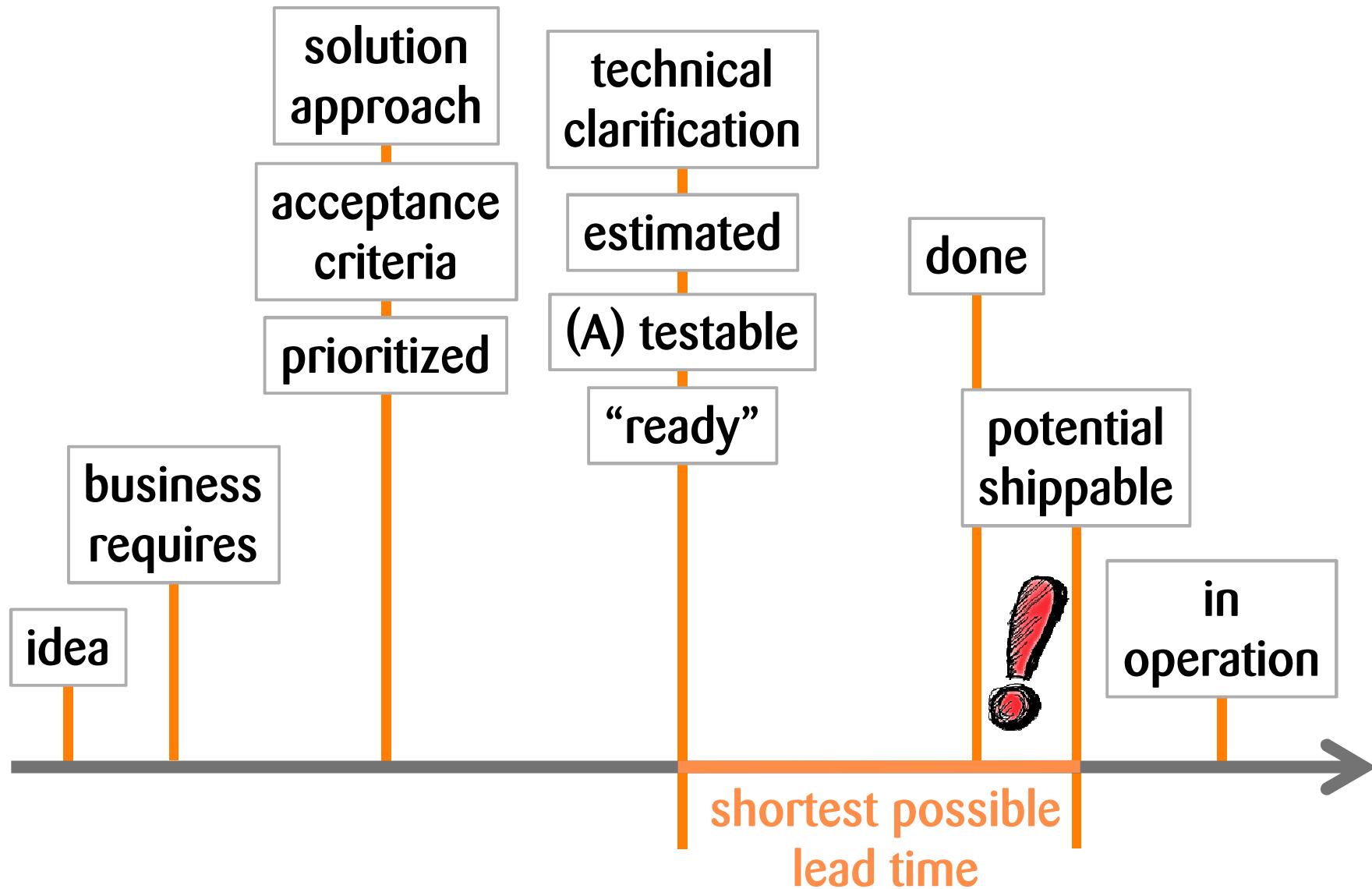
- Within last year
- Of a specific order sum



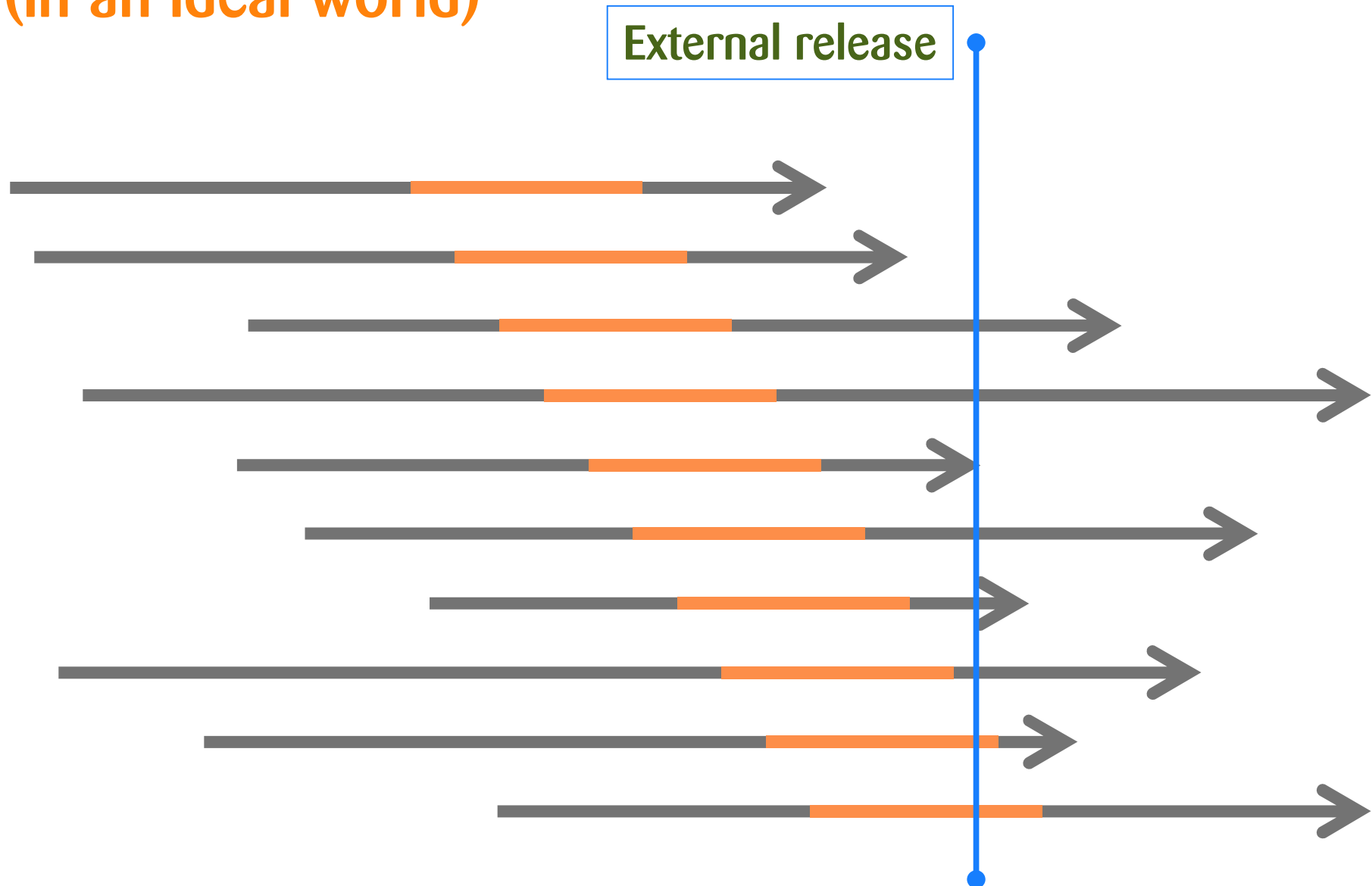
Ops



The complete life cycle of a user story



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



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

