

# Agile & Scrum

Aurélie Boiteux  
*@aurelie\_boiteux*

# AGENDA

- Agile Values and Principles
  - The agile mindset
  - Scrum pillars and values
- Scrum
  - Overview
  - Roles
  - Artifacts
  - Events
  - Sprint Objectives & Rules
- Q&A

# WHAT IS AGILE?

AGILE IS A  
MINDSET

DESCRIBED BY  
4 VALUES

DEFINED BY  
12 PRINCIPLES

MANIFESTED THROUGH AN  
UNLIMITED NUMBER OF PRACTICES

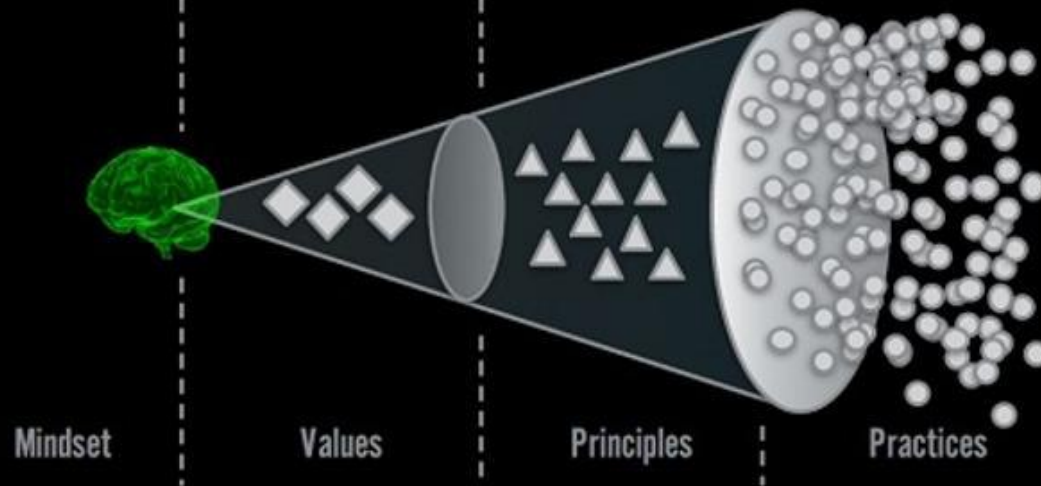
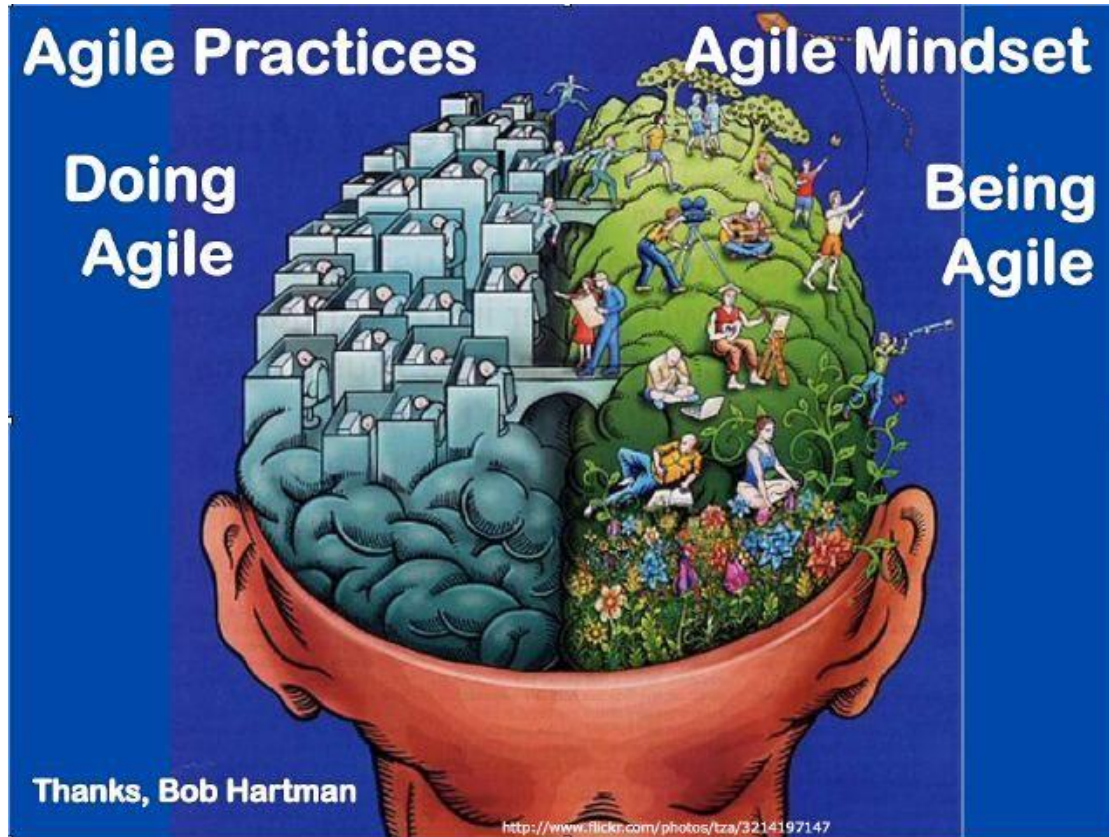


Image from Ahmed Sidky, Riot Games and ICAgile reproduced with permission  
Agile is a mindset, described by the four values and the twelve principles of the Agile Manifesto, and manifested through an unlimited number of practices, tools and processes. Implementing the practices, tools and processes without the Agile mindset, values and principles of the Agile Manifesto is not Agile.

# AGILE VALUES AND PRINCIPLES

## The agile mindset



- **People first**
  - Customer value
  - Small teams
  - Collaboration
- **Success of the global**
  - Initiatives, creativity
  - Can-do attitude
  - Autonomy
- **Continuous improvement**
  - Short cycles of working software
  - Feedbacks

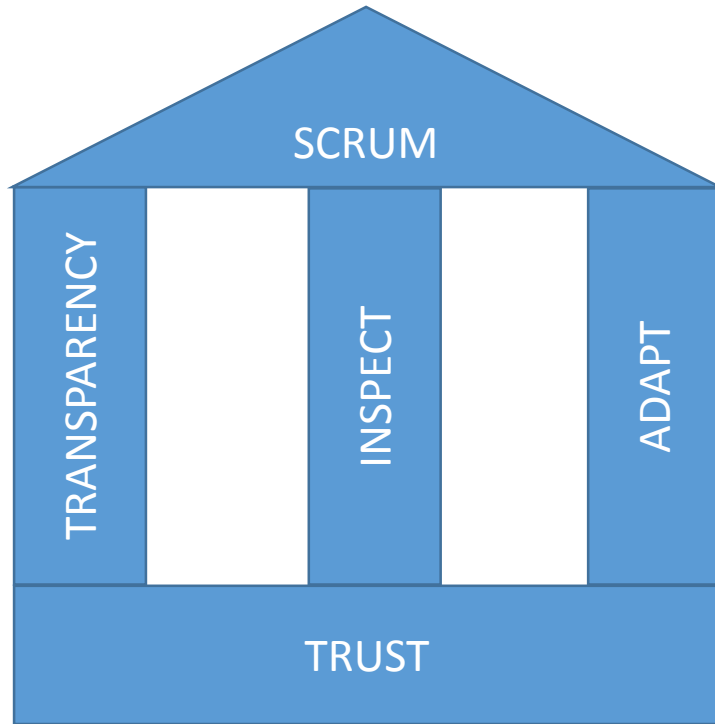
<https://www.forbes.com/sites/stevedenning/2016/09/08/explaining-agile/#3d4e215301b8>

<https://www.agileconnection.com/article/what-does-it-mean-have-agile-mindset?page=0%2C0>

<http://agilemanifesto.org/>

# AGILE VALUES AND PRINCIPLES

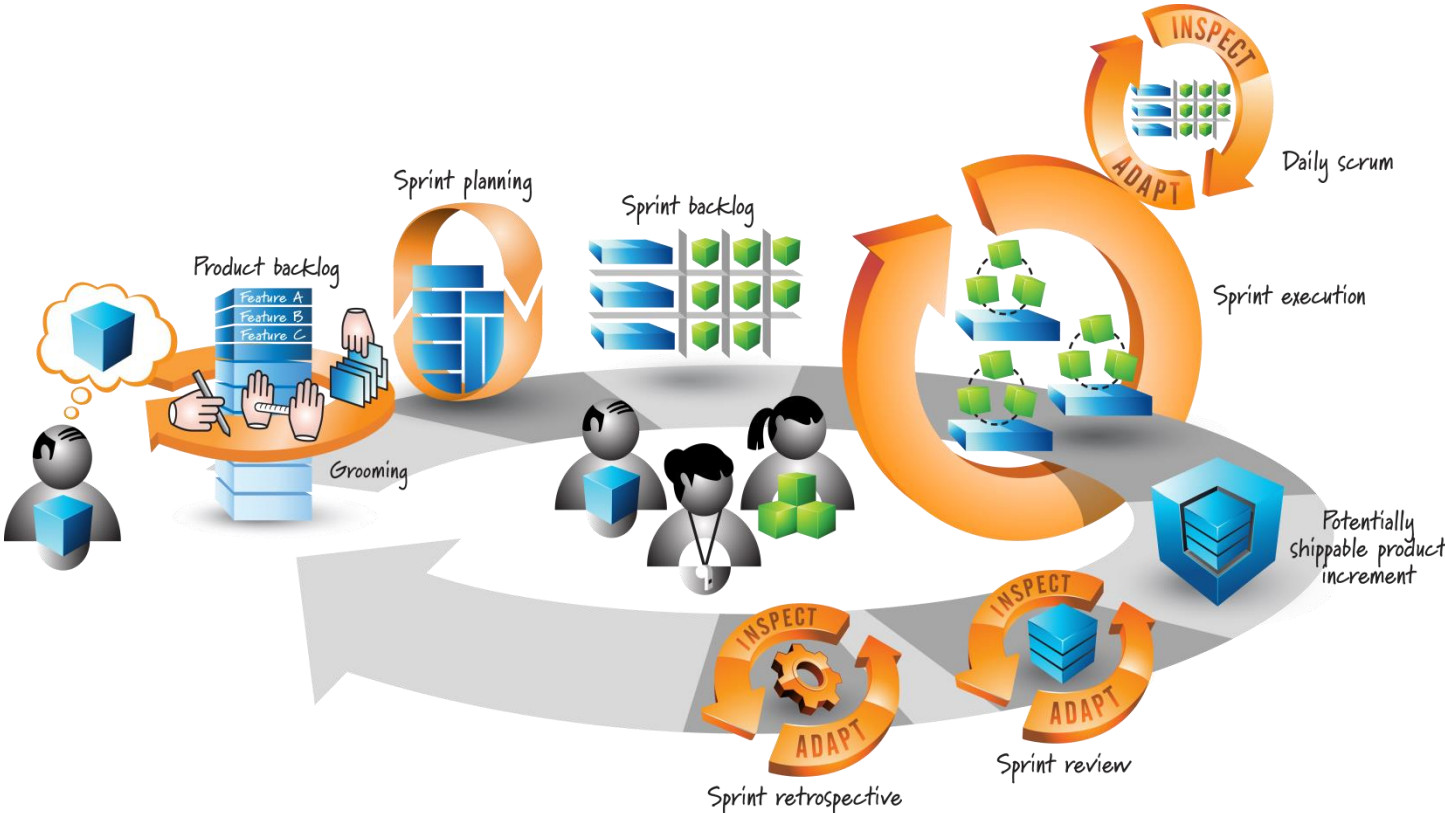
## Scrum pillards and values



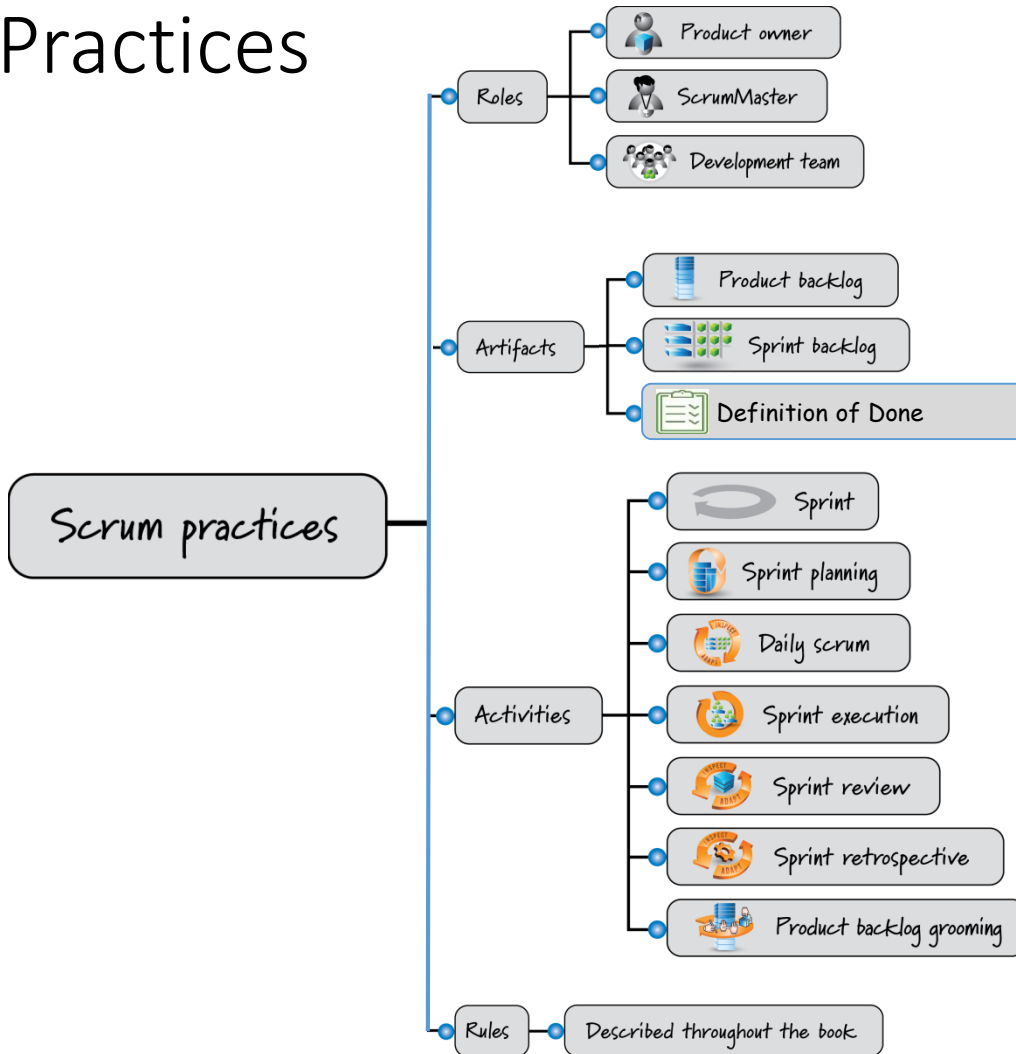
Empiricism asserts that knowledge comes from experience and making decisions based on what is known.

<http://www.scrumguides.org/scrum-guide.html>

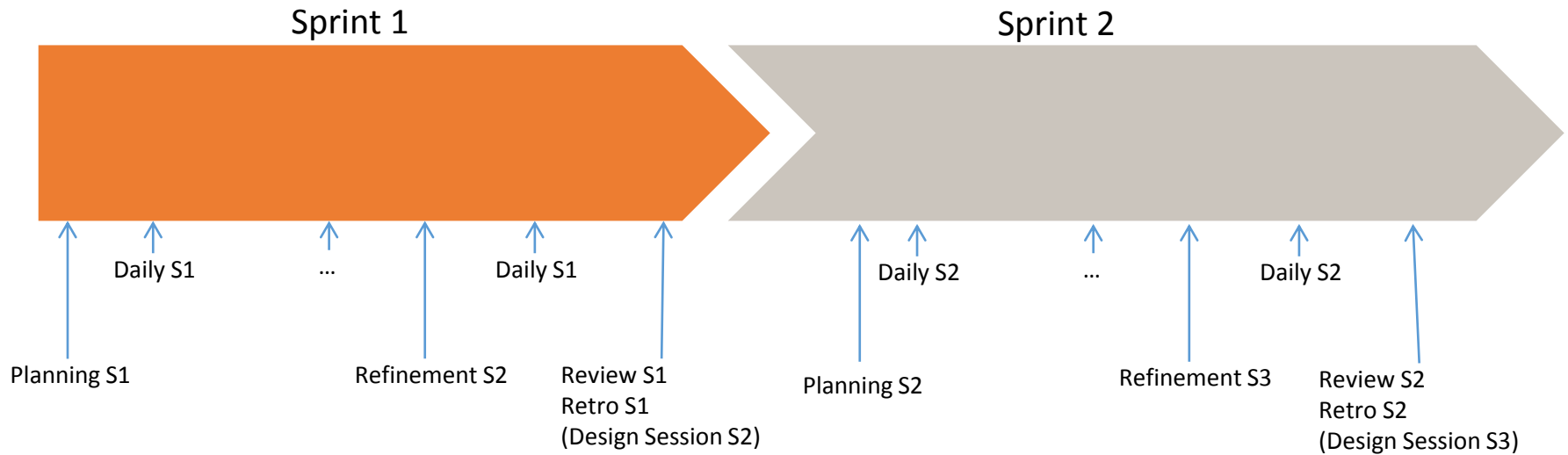
# SCRUM Overview



# SCRUM Practices



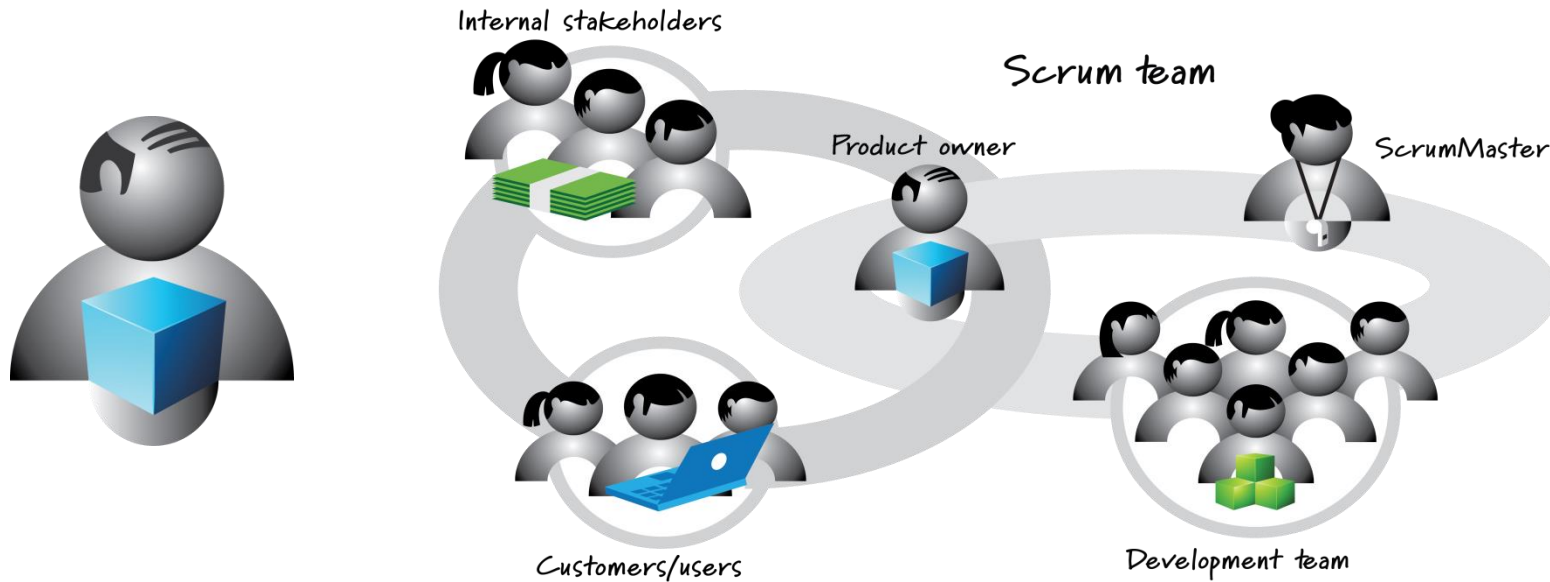
# SCRUM Timeline





# SCRUM

## The Product Owner

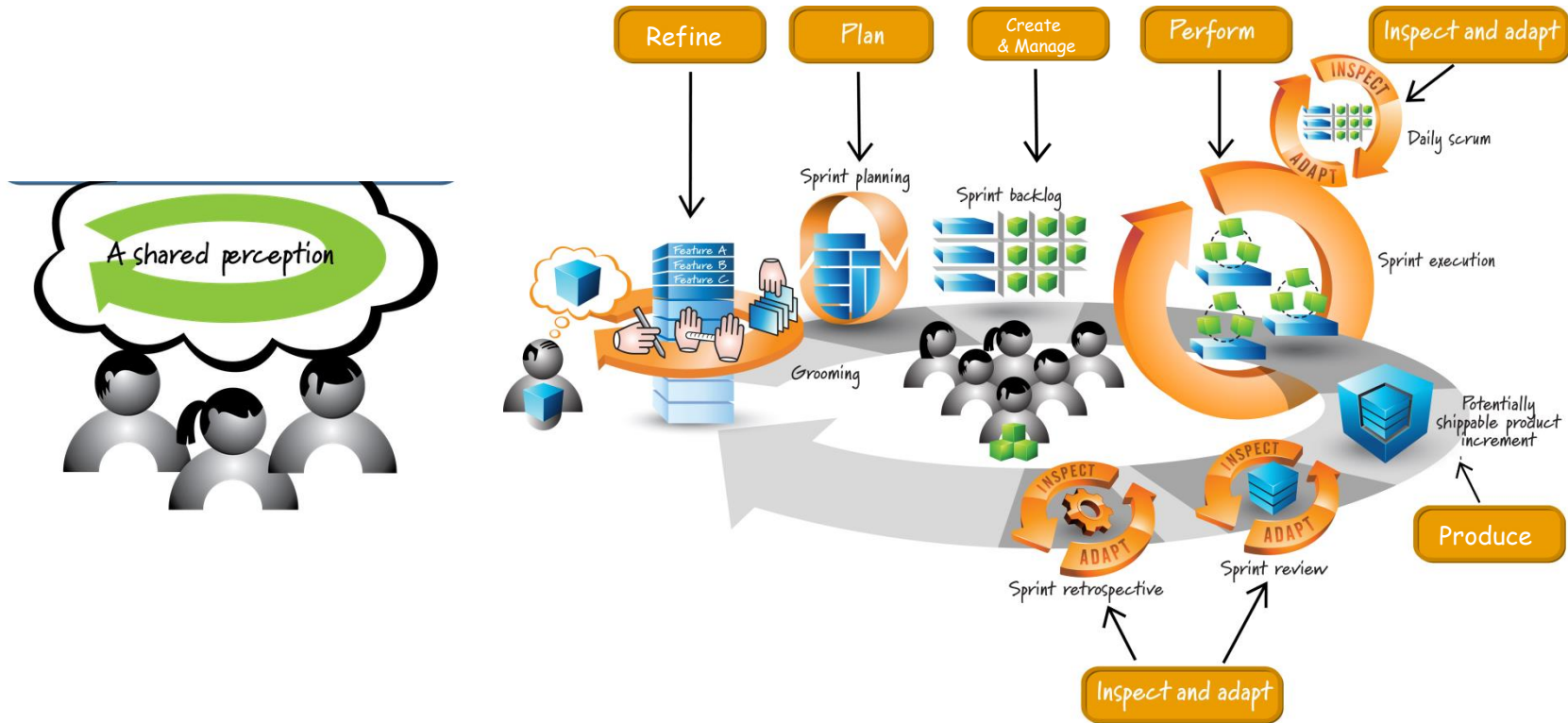


Copyright © 2012, Kenneth S. Rubin and Innolution, LLC. All Rights Reserved.

- Represents interests of stakeholders and customers
- Is responsible to manage, prioritize and present the Product Backlog to the team
- Maximize the work of the team by creating independent functionalities that answer to a customer need

# SCRUM

## The dev team

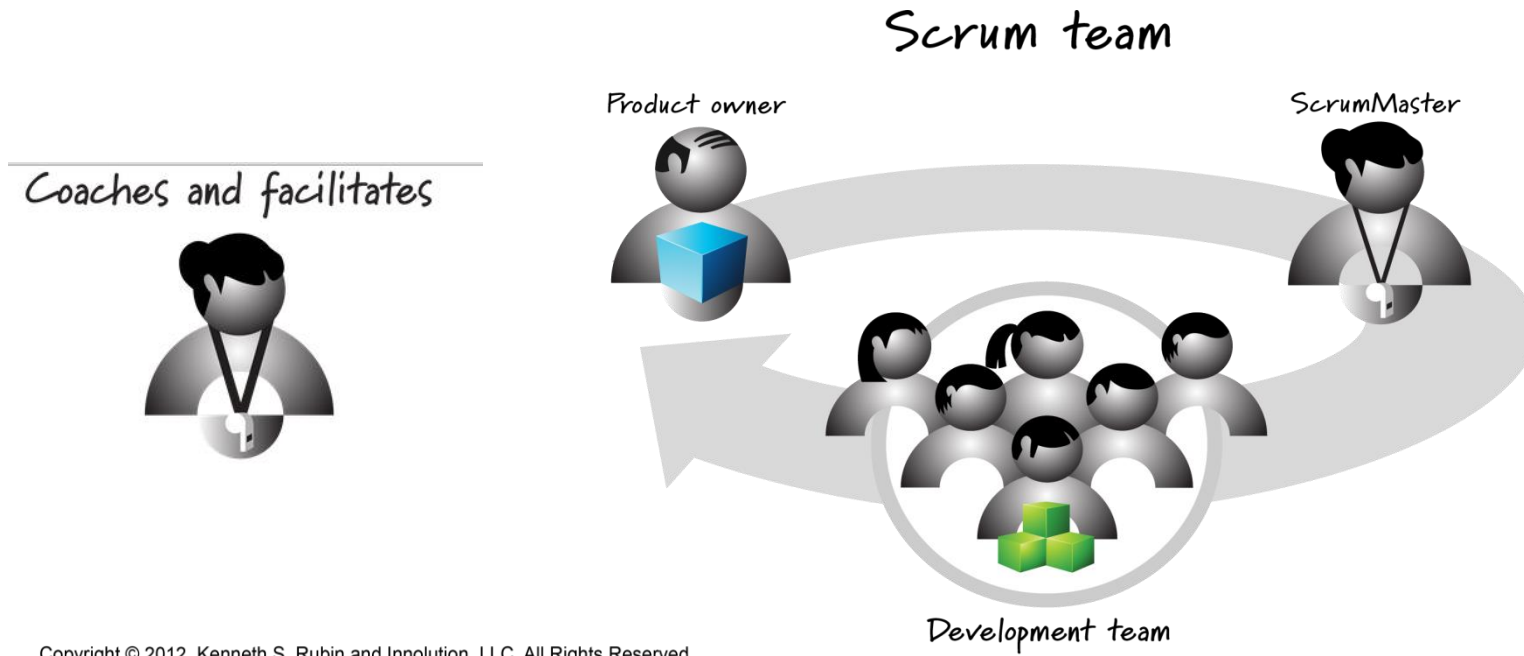


Copyright © 2012, Kenneth S. Rubin and Innolution, LLC. All Rights Reserved.

- Is self organized and co-responsible
- Creates and manages the sprint backlog, commit on a sprint scope
- Produces a Done increment with the highest quality

# SCRUM

## The Scrum Master

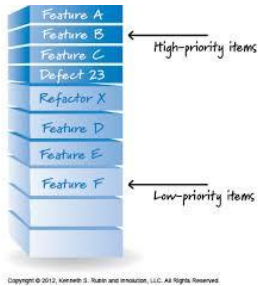


Copyright © 2012, Kenneth S. Rubin and Innolution, LLC. All Rights Reserved.

- Builds the team and help everyone to maximize the product value
- Helps everyone to apply agile
- Ensures that Scrum is well followed
- Protects the team from outside interferences and solves impediments that the team cannot resolve

# SCRUM

## Artifacts



- **Product backlog**
  - List of prioritized features

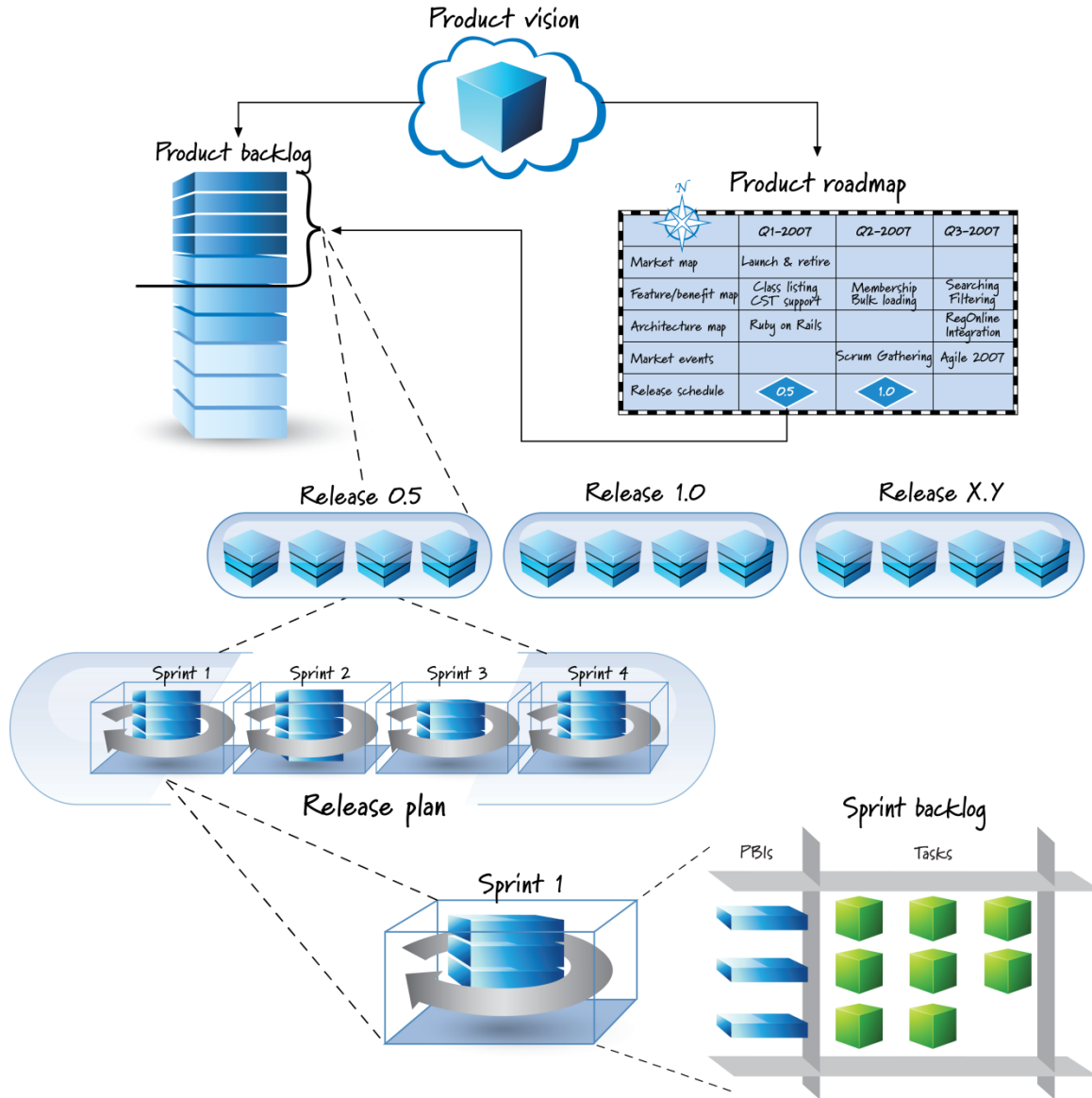
- **Sprint backlog**
  - List of technical tasks to implement to realize the features of the sprint by order of priority
  - Technical debt tasks
  - Bugs
  - All work done in the scope of the project

- **Burndown chart**
  - Total remaining time for the sprint of the team work
  - Follow-up the sprint, transparency, adapt quickly

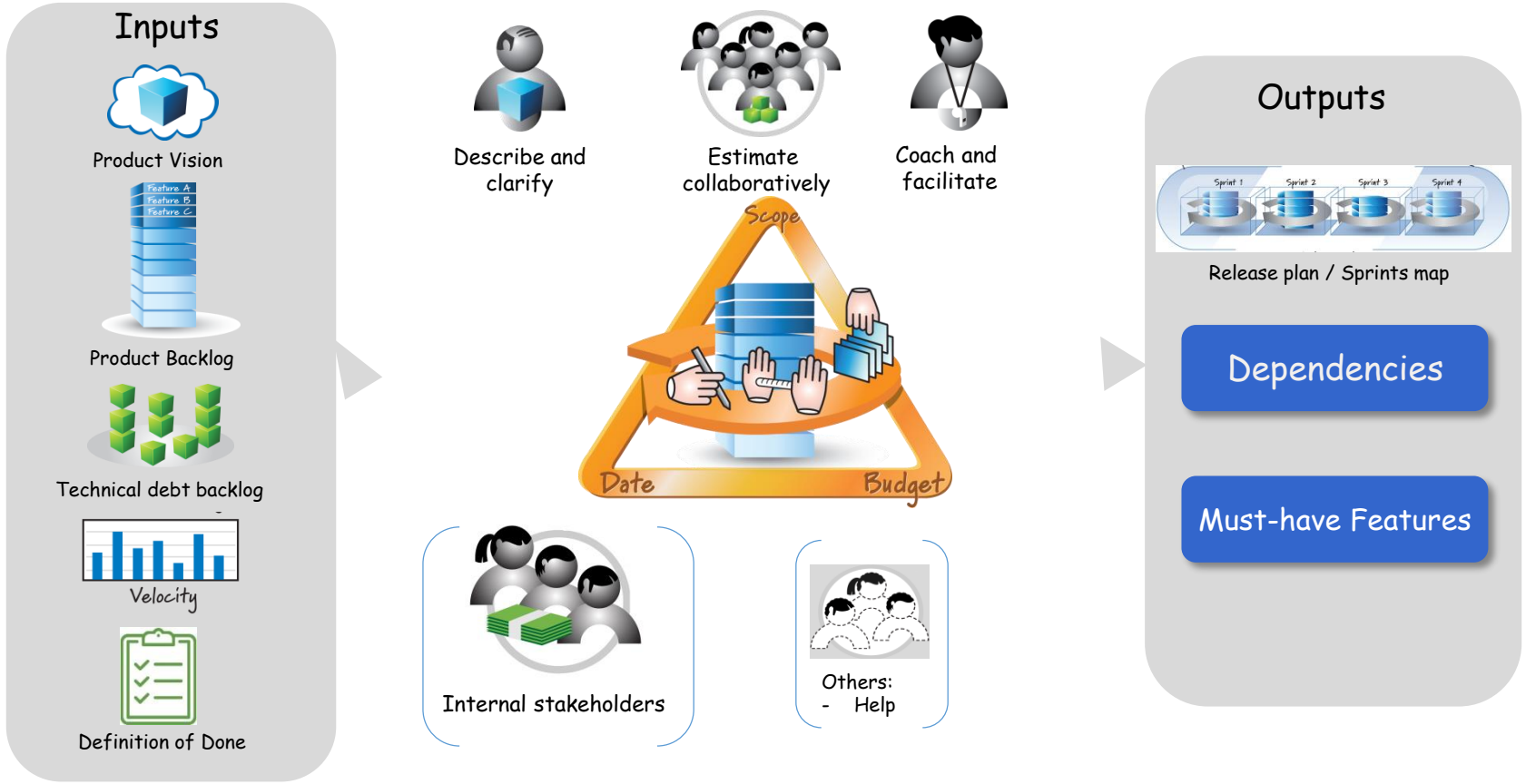
- **Definition of Done**
  - Checklist with steps to check that a feature is finished (ie. Ready to go to production)



# Product vision & Release overview



# Release Planning



- Product vision & businesses objectives
- Links between features and objectives
- Take into account technical improvements

# Sprint Refinement / Grooming «WHAT?»



Describe and clarify



Estimate collaboratively

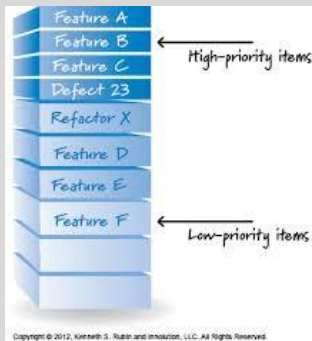


Coach and facilitate

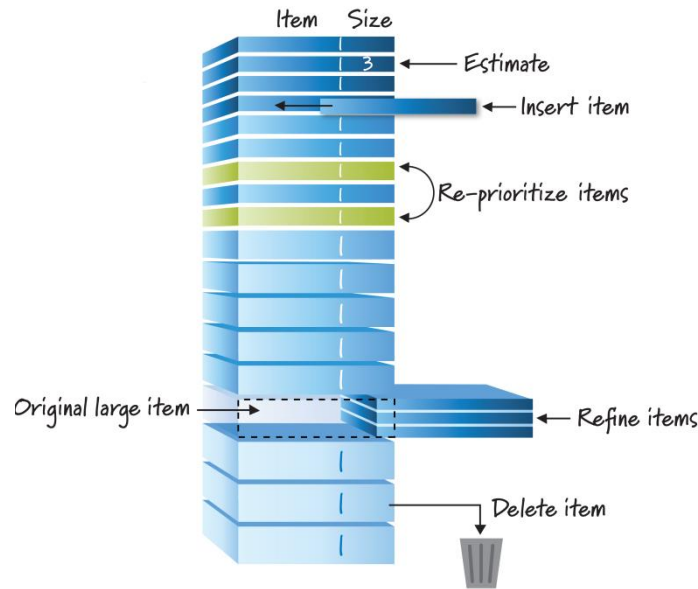
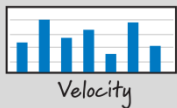


Others:  
- Help  
- Don't estimate

## Inputs



Product Backlog ready & prioritized



## Outputs

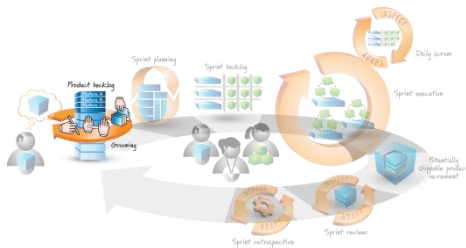


Product Backlog updated with SP

Investigation Actions :  
➤ From PO  
➤ From dev team

Copyright © 2012, Kenneth S. Rubin and Innolution, LLC. All Rights Reserved.

- Before planning (max sprint-1)
- High priority features
- Relative estimations (SP)



Copyright © 2012, Kenneth S. Rubin and Innolution, LLC. All Rights Reserved.

# Sprint Planning

## «HOW?»

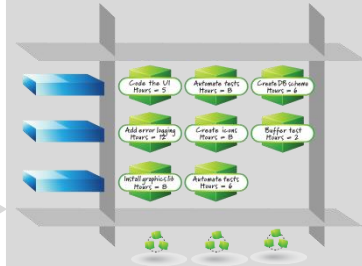


- Create sprint backlog
- Estimate & commit collaboratively

Sprint planning



Outputs



Sprint backlog created

Sprint Goals

**Inputs**

Product Backlog estimated in SP

Velocity / Capacity

Technical debt & retrospective tasks

Definition of Done

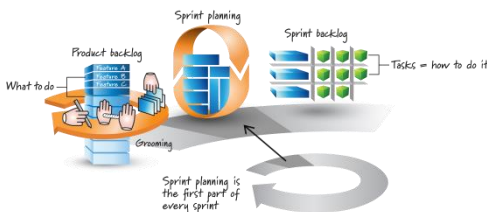
Available to answer questions

Coach and facilitate

Others:

- Help
- Don't estimate

Copyright © 2012, Kenneth S. Rubin and Innolution, LLC. All Rights Reserved.



Copyright © 2012, Kenneth S. Rubin and Innolution, LLC. All Rights Reserved.

- Definition of Done representation
- Stories sub tasks & retrospective tasks & technical debt tasks & other related to the project if needed by the team
- Sprint goals negotiation between PO and dev team



# Sprint Stand Up

**Inputs**

**Sprint backlog**

**Burndown chart**

**Sprint Goals**



Synchronize activities



Coach and facilitate



- Listen
- Answer to business questions

Others :

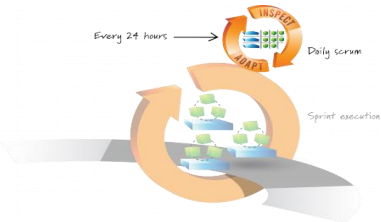
- Listen
- Help

**Outputs**

**Plan for the day**

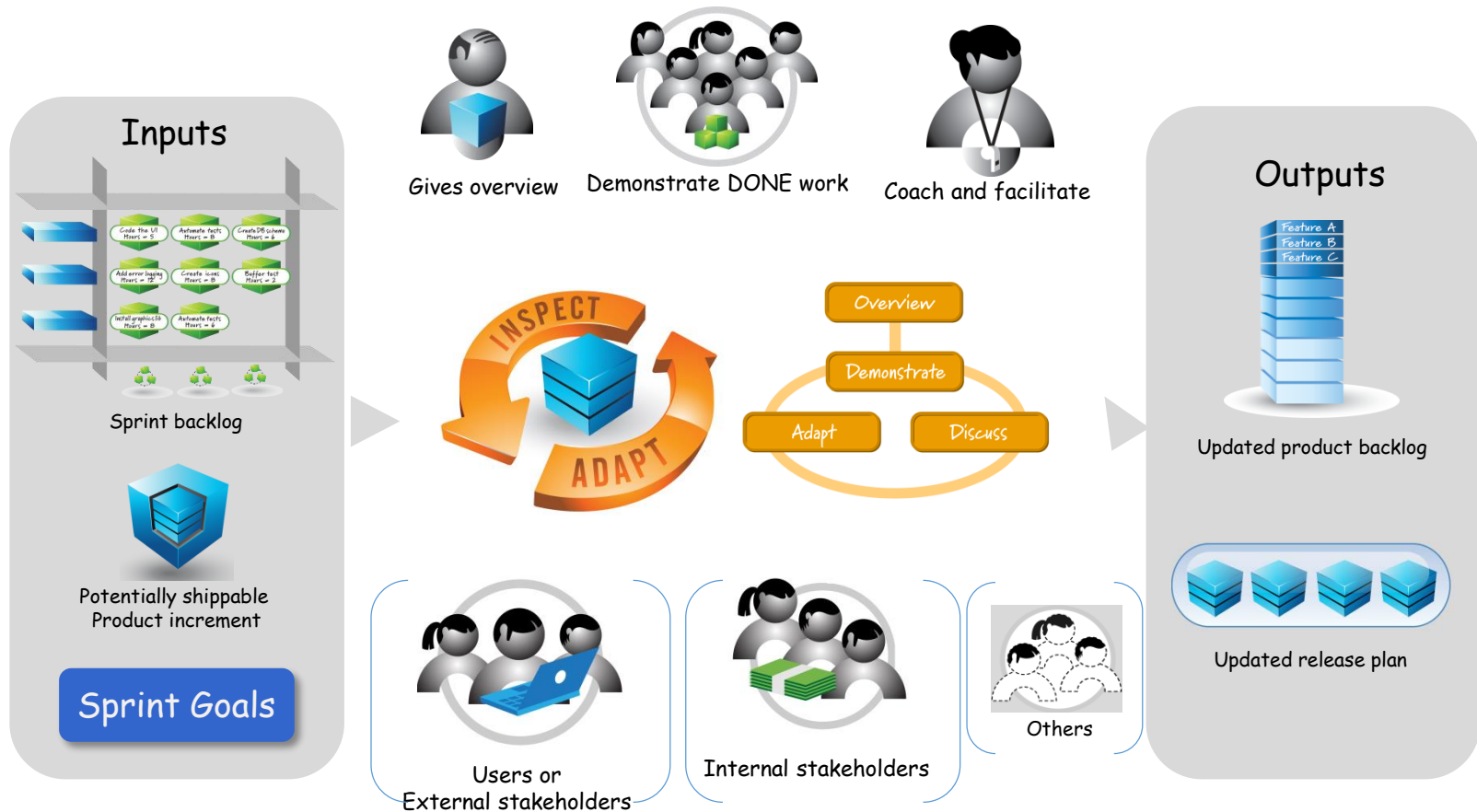
**Help to remove impediments**

Copyright © 2012, Kenneth S. Rubin and Innovation, LLC. All Rights Reserved.

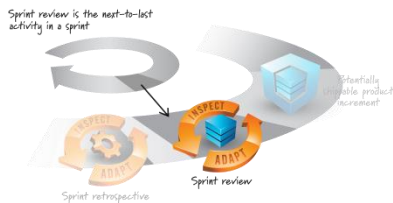


- Identify impediments that could prevent the sprint success
- Collaborative plan for the day
- Not a status report

# Sprint Review



Copyright © 2012, Kenneth S. Rubin and Innolution, LLC. All Rights Reserved.



Copyright © 2012, Kenneth S. Rubin and Innolution, LLC. All Rights Reserved.

- PO invites stakeholders to participate
- PO presents what have been done and what have been not done
- Dev team shows only «Done» stories
- PO gets feedbacks from users and/or stakeholders and gives vision of the product

# Sprint retrospective

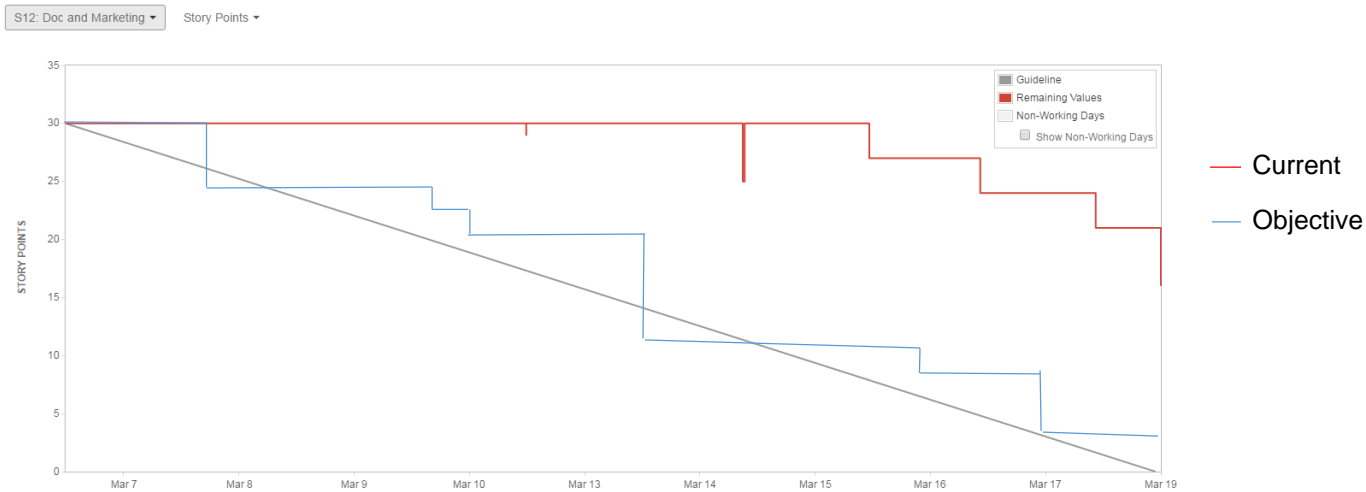


Copyright © 2012, Kenneth S. Rubin and Innolution, LLC. All Rights Reserved.

- Continuous improvement
- Collective work
- Small actions to realise in the next sprint

# Sprint Objectives & Rules

- Self organize as a team to finish stories as the DoD states
- Finish stories one after the other as a team



- Give transparency in the work done:
  - **All tasks** done in the scope of PEACH should be logged in JIRA
  - **Changes of scope**, or **task not planned** should be validated by Scrum Master

Q&A ?

