

Agile and Scrum in Open Source

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Fosscomm 2016 – University of Piraeus
Athens, April 2016

#fosscomm2016
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About Dimitris Baltas

- Scrum Master, Agile Coach @ airtickets.gr
- agilegreece.org
- PSM I, PSPO I Certified by Scrum.org
- Agile Coach Certified by ACM
- Agile Evangelist
- Coder at heart
- The footer is branded as a token of appreciation for the trust and cost coverage of my education in Scrum and Agile

Agile and Scrum

Agile: A mentality, a philosophy on how to build great teams and great products or services

Scrum: An implementation of Agile, keeping the same purpose with specific Roles, Events and Artifacts

Manifesto for Agile Software Development

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 and interactions over processes and tools
Working software over comprehensive documentation
Customer collaboration over contract negotiation
Responding to change over following a plan

That is, while there is value in the items on the right, we value the items on the left more.

Agile and Open Source shared Values

- Knowledge Sharing
- Vulnerability, Openness
- Quality Focus
- Make the world a better place

Is Scrum possible in Open Source Projects?

Given that the following are true more often than not?

- Part time Involvement
- Unpaid Involvement
- Remote Working

Mentality Switch

From



To



Product Owner



- Knows the Vision of the Project
- Owns the Product Backlog
- May or may not have a technical background
- First entry point in communication with customers

Scrum Master



- Coaches the Team on Agility and Scrum
- Guardian of Quality and Performance
- Organizes and facilitates meetings

Development (or Delivery) Team



- Self Organizing Team
 - Who does what
 - How it will be done
 - How much will be done this Sprint

Scrum Product Backlog

21	3
21	13
8	3
1	0
3	1
3	8
1	8
8	5
3	2
5	8
3	5
8	13
21	21
8	13
50	34
130	50
210	80

- An ordered list of PBIs (Product Backlog Items)
- PBIs may be Features (User Stories), Bugs, Kaizen Stories, Epic Stories
- The single source of truth for the Team

● effort estimate in story points

● business value

Sprint Backlog

PBI

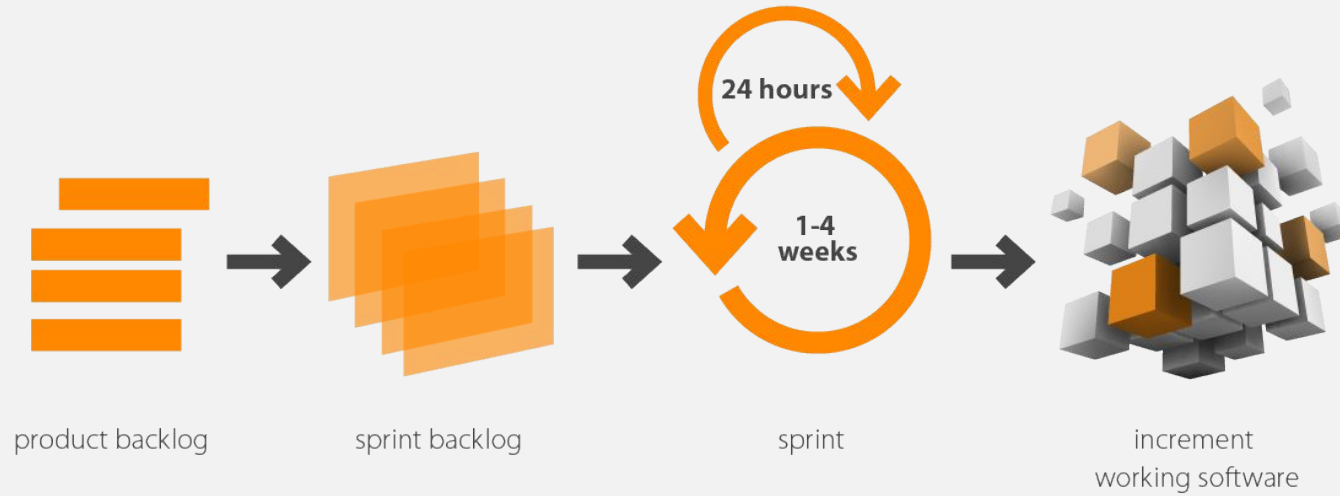
TO DO

DOING

DONE

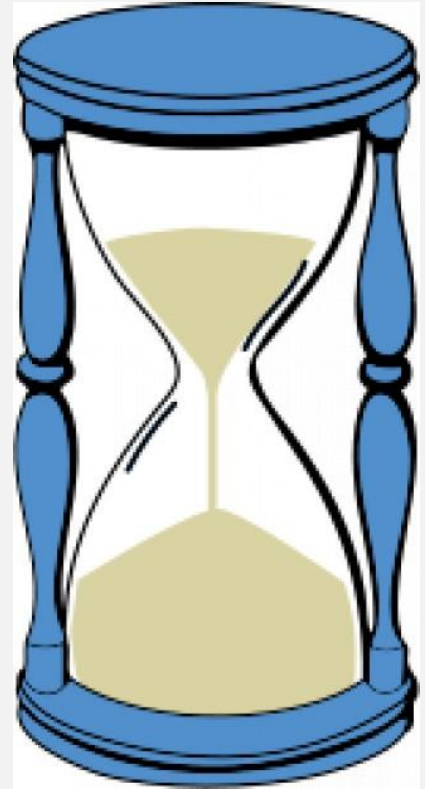


increment



Scrum Events

- Sprint Planning
 - Sprint Retrospective
 - Sprint Review
 - Daily Scrum
-
- Sprint



timeboxed

Daily Scrum (or Daily Standup)

- Every Development Team Member is there
- and answers 3 Questions
 - What did i do yesterday
 - What will I do today
 - What prevents me from doing my work
- 15' maximum duration
- Same place same time every day

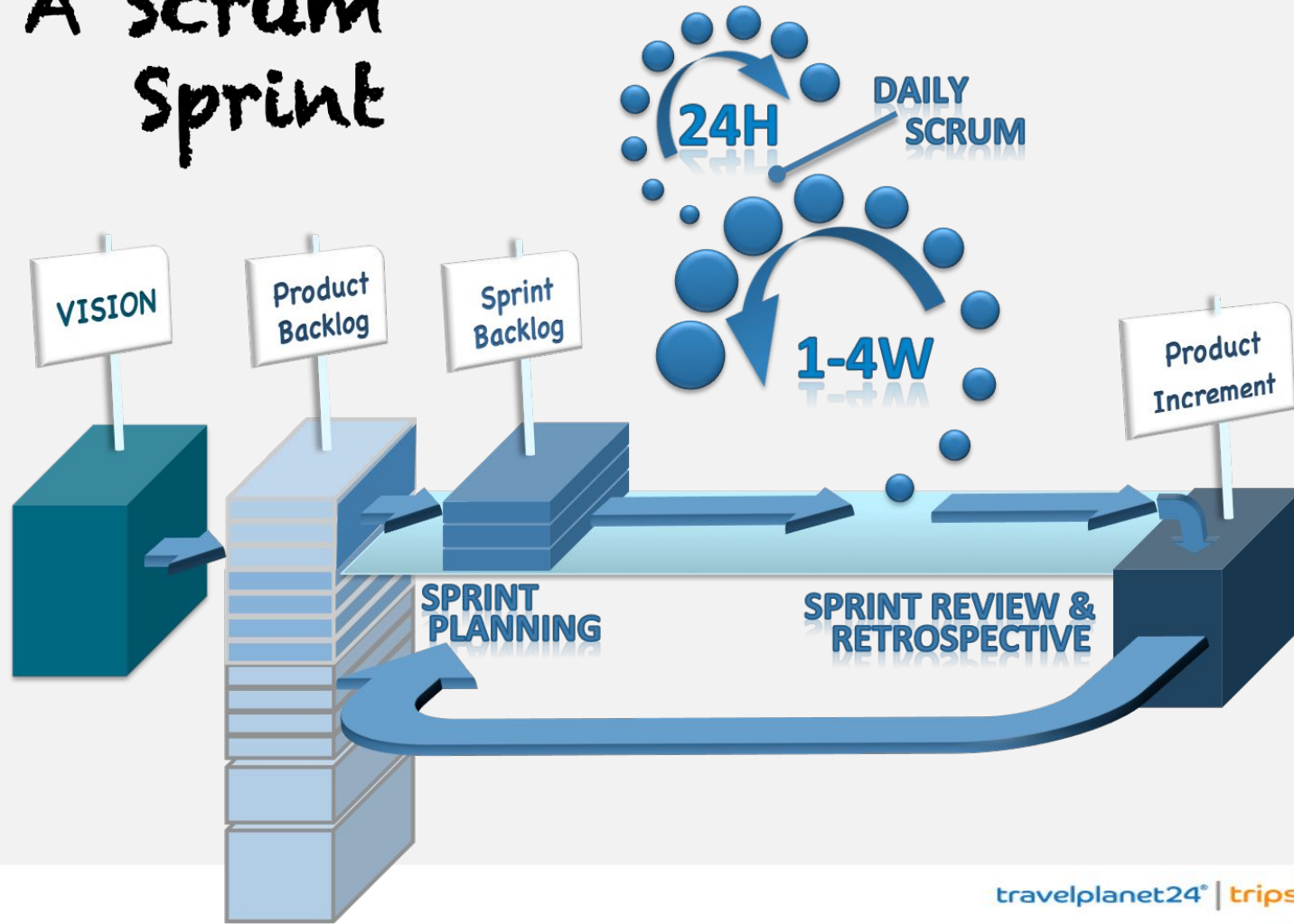


Retrospective (at the end of the Sprint)

- Chance for Improvements
 - How did we work
 - Interact with others
 - Tools
 - Quality
- What worked well
- What could we improve
- What action items can we take



A Scrum Sprint



Scrum in Open Source Projects

- Identify the Core Team
- Identify Product Owner
- Identify Scrum Master (can not be the same as Product Owner)
- Create the Backlog (usually easy: github,jira)
- Product Owner and Scrum Master may also be Development Team Members

Scrum in Open Source Projects

- Identify the Sprint Length (may be > 1 month)
 - Arrange time and medium for daily standup (may occur less frequently than daily)
 - Arrange Retrospective Meeting
 - All events can occur with remote teams
- tweaks from the official Scrum

Benefits from Scrum in Open Source Projects

- Contributors become collaborators
- Teamwork: More fun
- Teamwork: More knowledge sharing
- Teamwork: Teamwork is a skill
- Teamwork: Team may build other great projects
- Inspect and Adapt: focus on Continuous Improvement

Scrum in Open Source. Has it ever been applied?

The screenshot shows the GitHub profile page for the 'agile-tools' organization. At the top, there's a navigation bar with the GitHub logo, a search bar labeled 'This organization', and links for 'Pull requests', 'Issues', and 'Gist'. On the right of the navigation bar are notification and user profile icons. The main header features the organization's avatar (a cartoon man with a beard) and the name 'agile-tools'. Below this is a tabbed interface with 'Repositories' selected, and links for 'People 4', 'Teams 1', and 'Settings'. A search bar for repositories is present, along with a '+ New repository' button. The repository list shows two items: 'scrum-visuals' (updated 9 days ago, 0 stars, 0 forks) and 'asana-scrum' (updated 13 days ago, 1 star, 0 forks, JavaScript). On the right, a 'People' section shows 4 members with their avatars and an 'Invite someone' button.

GitHub interface showing the 'agile-tools' organization profile. The profile includes a search bar, navigation tabs (Repositories, People 4, Teams 1, Settings), and a list of repositories. The repositories listed are:

- scrum-visuals**: Updated 9 days ago, 0 stars, 0 forks.
- asana-scrum**: Updated 13 days ago, 1 star, 0 forks, JavaScript.

The right sidebar shows the 'People' section with 4 members and an 'Invite someone' button.

github.com/agile-tools/asana-scrum Product Backlog

Sprint 1:

- ☒ OAuth credentials
- ☒ react router setup
- ☒ User: select project to work on
- ☒ Developer: setup code boilerplate

Sprint 2:

- ☒ Product Owner: assign a Task on a specific Sprint
- ☒ Product Owner: view all Tasks of a specific sprint
- ☒ Delivery Team: update the cost estimate (Story Points) of a Task

Sprint 3:

- ☒ Product Owner: update the Business Value of a Task
- ☒ Scrum Team: view all unestimated Tasks
- ☒ Product Owner: mark a task as accepted

Thank you

Presentation Slides @dimitris_baltas

Useful Links

- <http://www.agilemanifesto.org/>
- <http://www.agilemanifesto.org/principles.html>
- <http://scrumguides.org/>
- <https://www.scrum.org/>
- <http://agilegreece.org/>
- <https://www.mountangoatsoftware.com/> (blog)
- <http://www.plans-for-retrospectives.com/> (retrospective techniques)
- <http://fosscomm.cs.unipi.gr/index.php/event/dimitris-baltas/?lang=en>

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