

Scrum, Kanban, and DevOps Sitting in a Tree...

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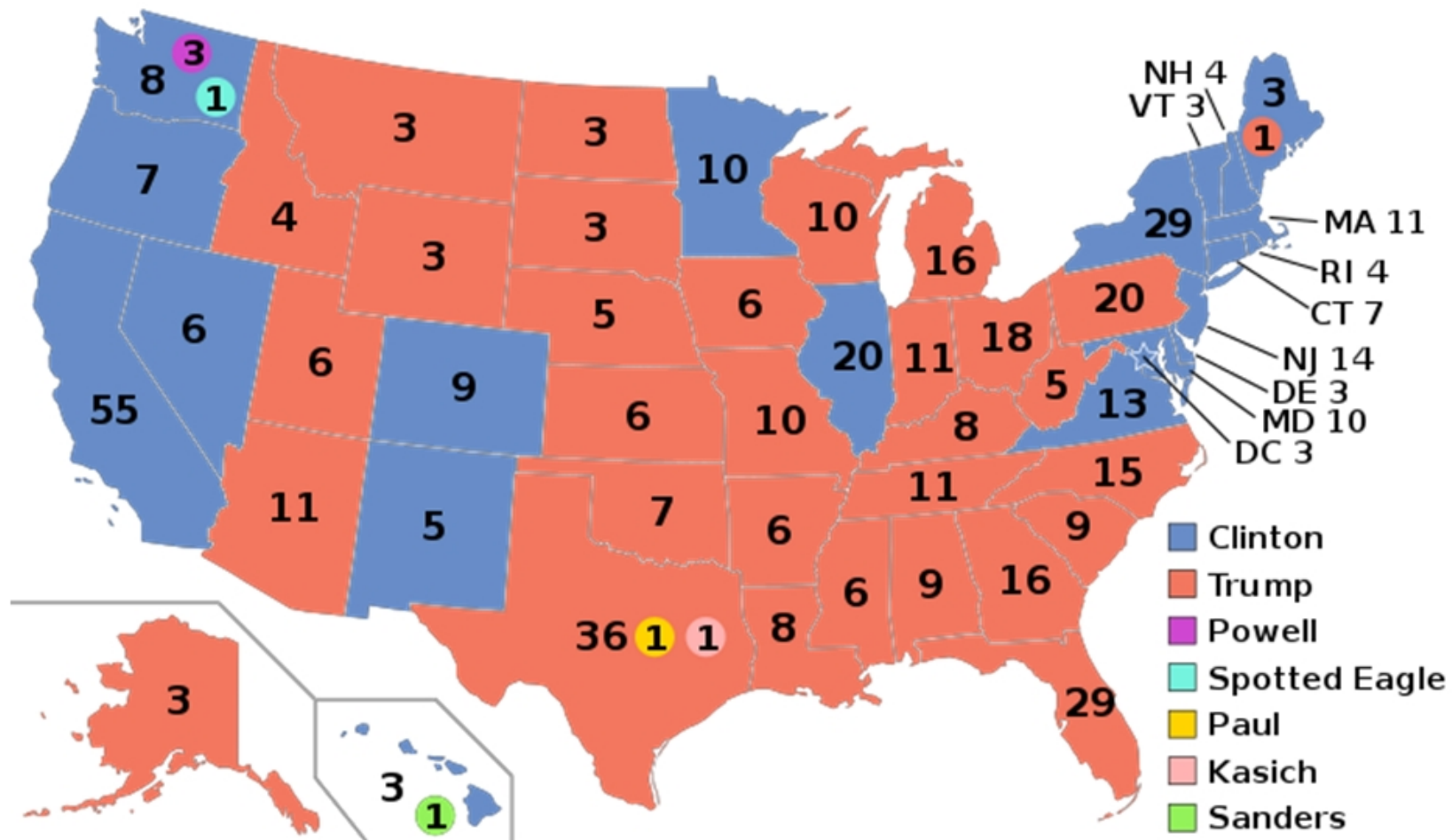
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We're privileged – We can mix colors!



Truth or Myth?

Kanban reinforces Waterfall

We do Kanban because we can't plan out for an entire Sprint

Kanban is Linear

Kanban is all about manufacturing, software isn't manufacturing

Where are the PEOPLE in Kanban?

Our Scrum Team has evolved to become a Kanban team

Kanban doesn't encourage creating effective teams

Scrum is revolutionary; Kanban is evolutionary

Scrum is for complex work, Kanban is for simple work

Scrum is for product teams; Kanban is for service teams

You can only get so far with evolutionary change

Myth / Truth?

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Isn't Scrum just Kanban with a bigger batch size?

Scrum is for ... Kanban is for ...

Our Scrum team has evolved to become a Kanban team.

We do Kanban because we can't plan out for an entire Sprint.

**We do Kanban because we are DevOps and we continuously deploy
(And Scrum doesn't allow us to deploy between Sprints)**

Sprint Backlog	Design		Development		Testing		Done
	Doing	Ready	Doing	Ready	Doing	Ready	
 	  		  	   		 	 

Is It Waterfall?

Is this Kanban?

Scrum includes Story Points, Burndowns, Tasks

**There's no prediction and commitment with Kanban.
Just Continuous Flow**

Scrum is revolutionary; Kanban is evolutionary.

Kanban always starts with what you got

Kanban accepts and reinforces command and control / waterfall mindset

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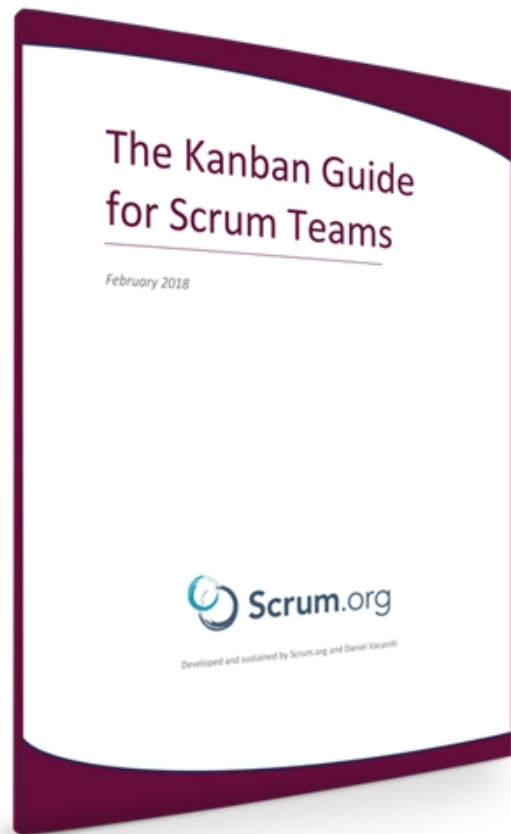
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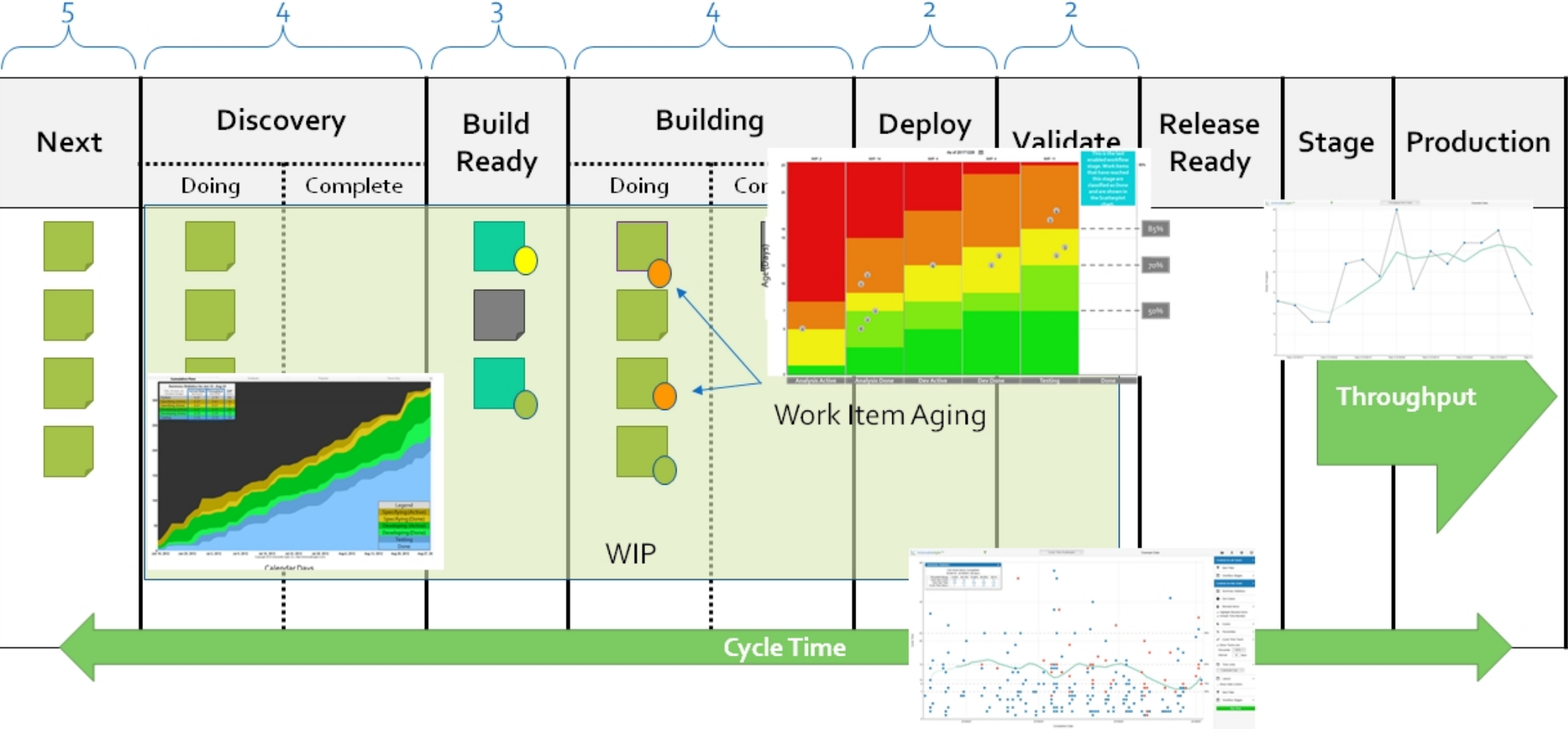
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Kanban in the Scrum Context



- Like the Scrum Guide; a simple set of rules to help Scrum Teams get the maximum benefit from Kanban practices.

Actively managing the items in progress – Using Some key flow metrics



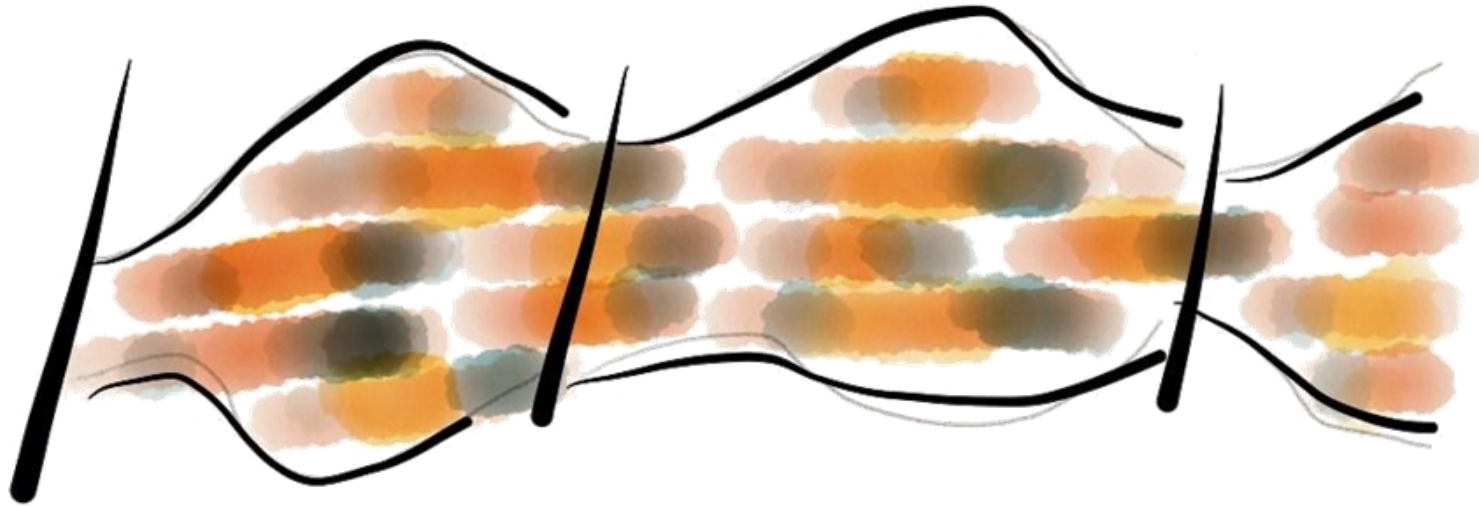
Kanban in a Scrum Context – Core Practices

1. Defining and visualizing the “Workflow”
2. Limiting (and REDUCING) work-in-progress (WIP)
3. Actively managing the items in progress
4. Inspecting and adapting your “Workflow”

Changes you can try in your Scrum teams

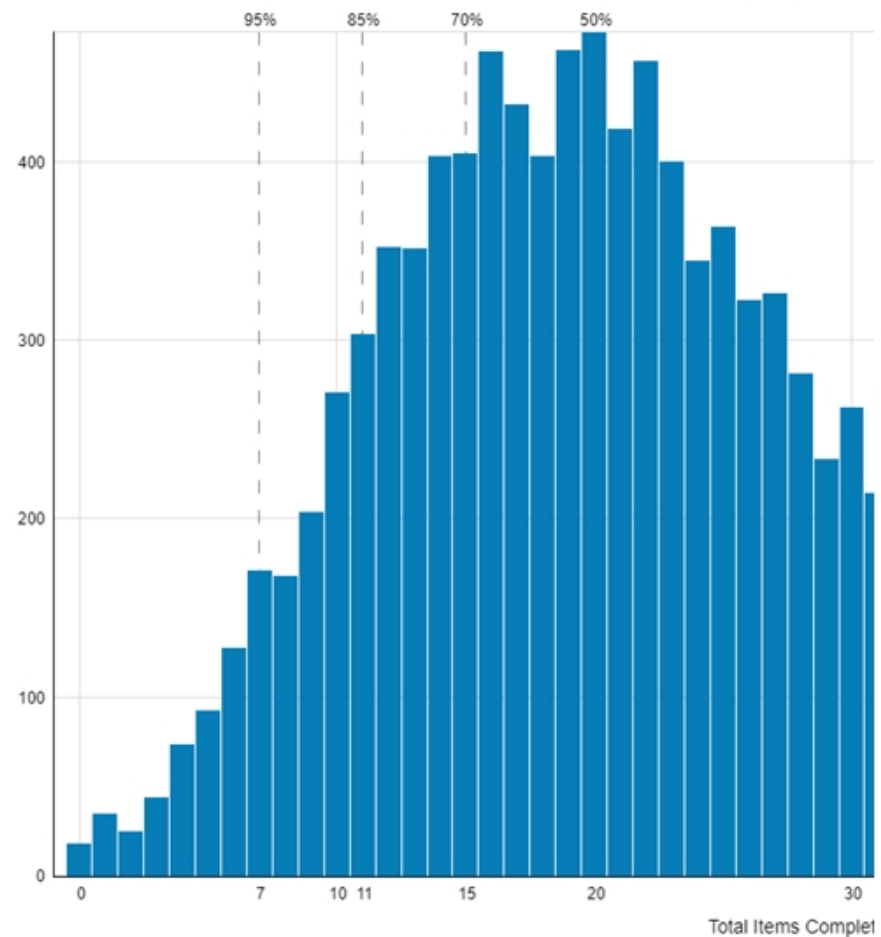
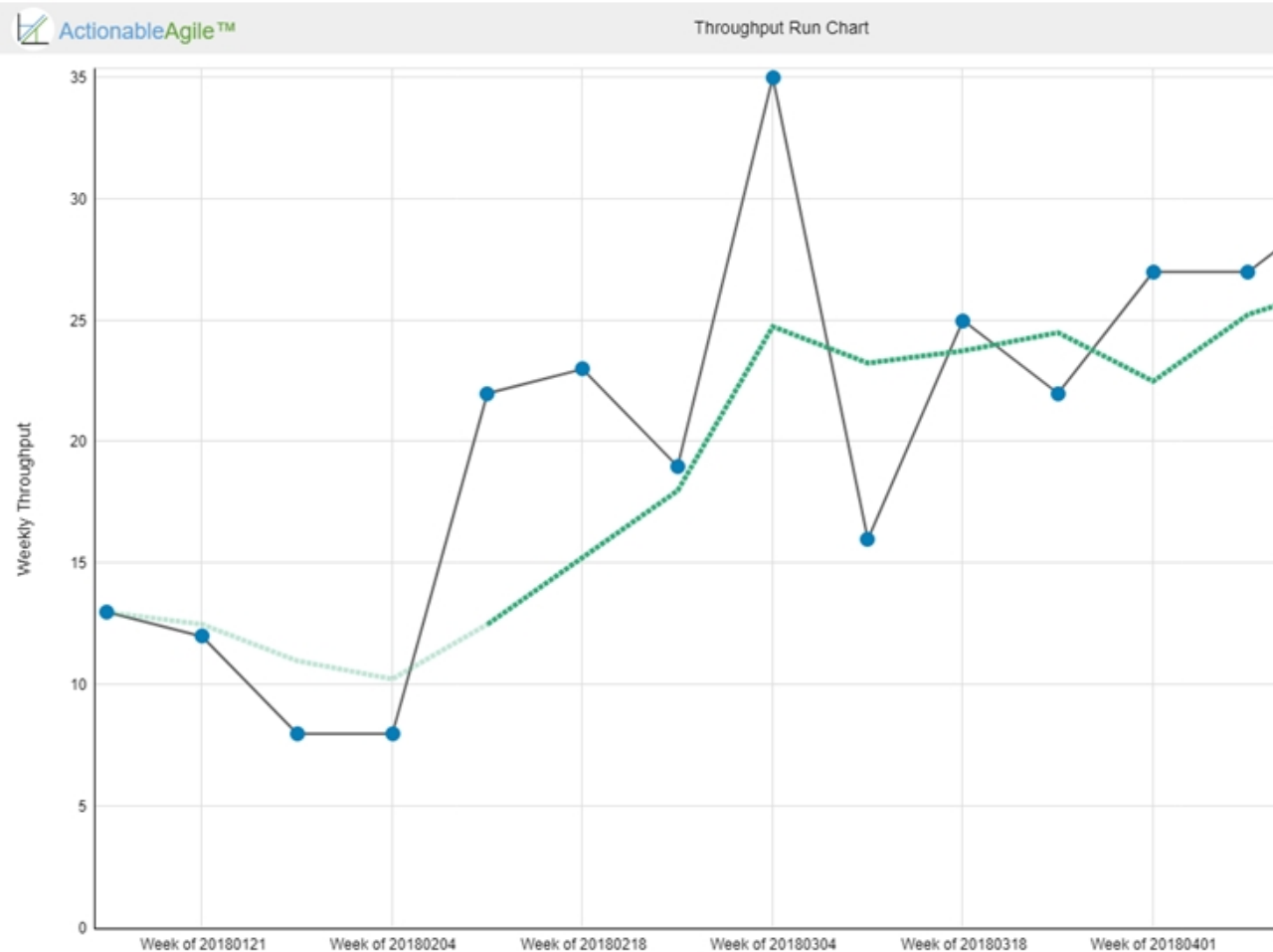


Flow-based Sprint Planning



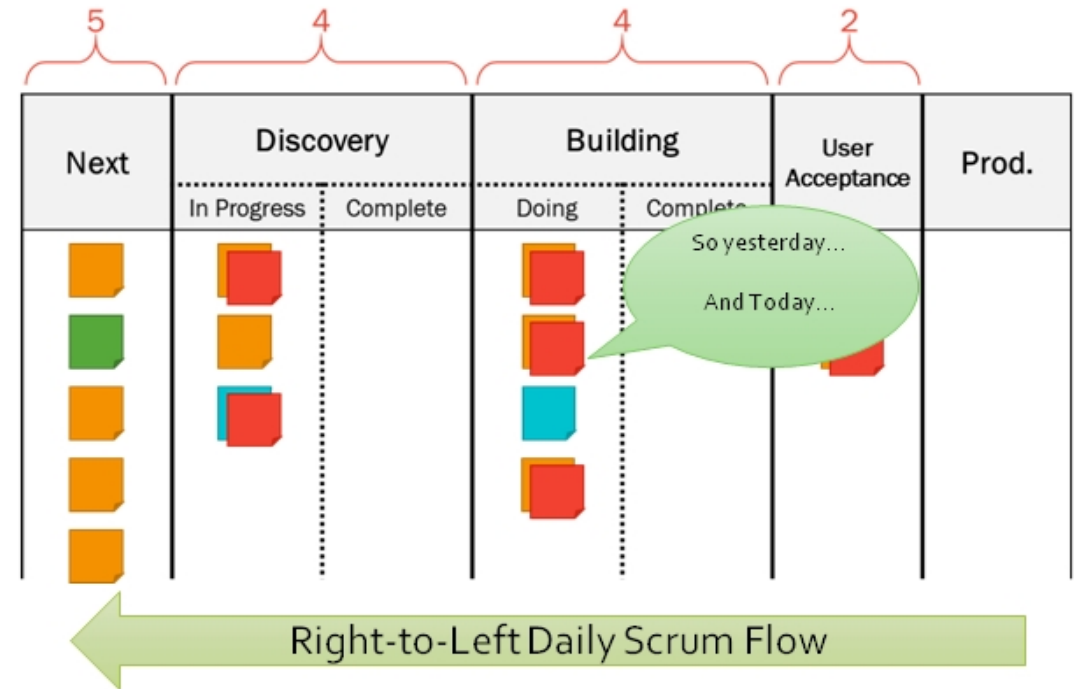
- You don't need to plan out the entire Sprint
- You can begin unplanned work part way through the Sprint (Leverage the Sprint Goal)
- Work can flow across Sprint boundaries
- Use throughput rather than story points/velocity

Planning based on Throughput

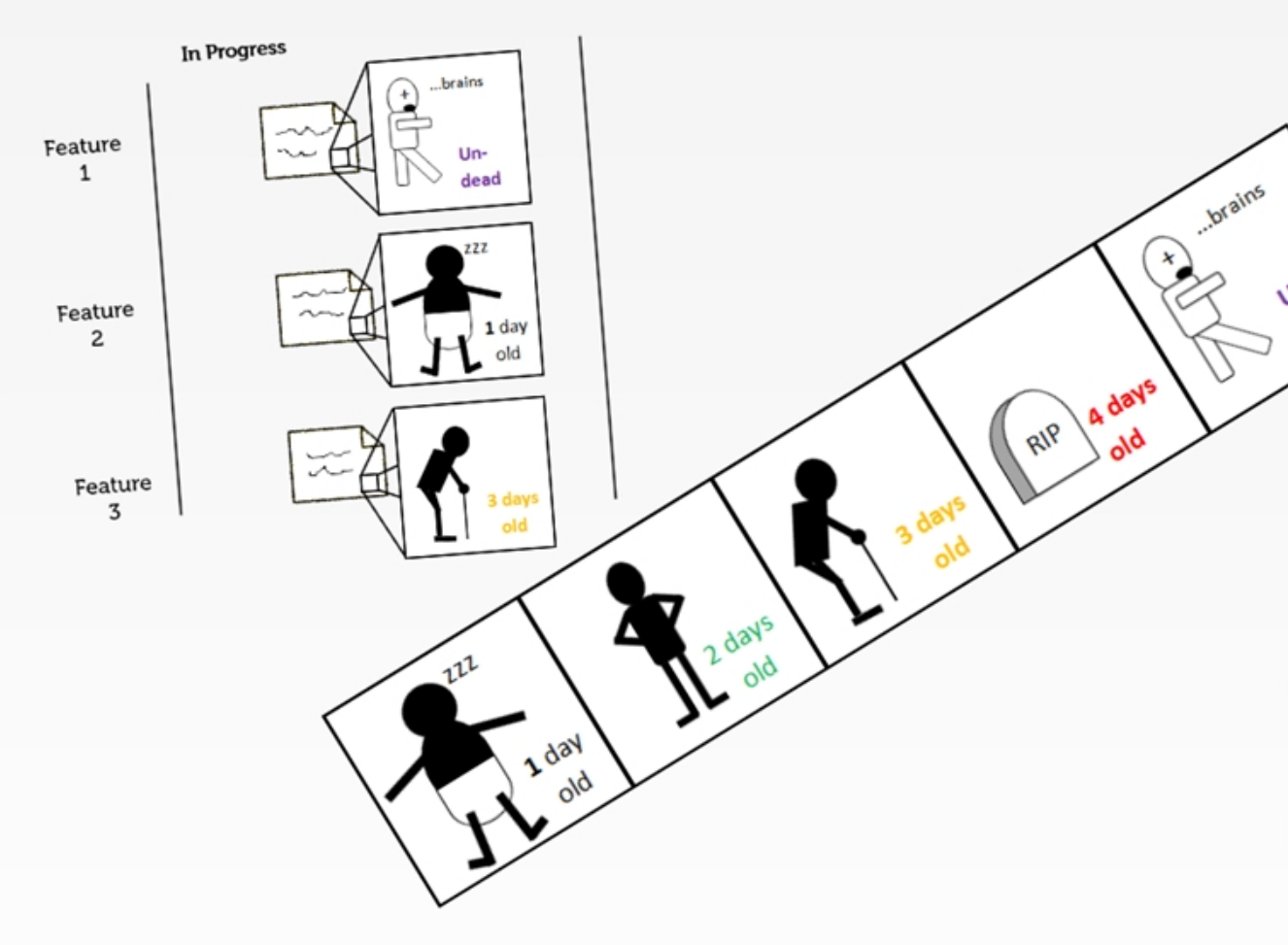


Daily Scrum - Focus on the flow of work – Tell the story from the PBI's perspective

- Work the board right to left (Flow/Pull mode)
- What happened to me yesterday?
- What is going to happen to me today?
- Is there any impediment to my flow?



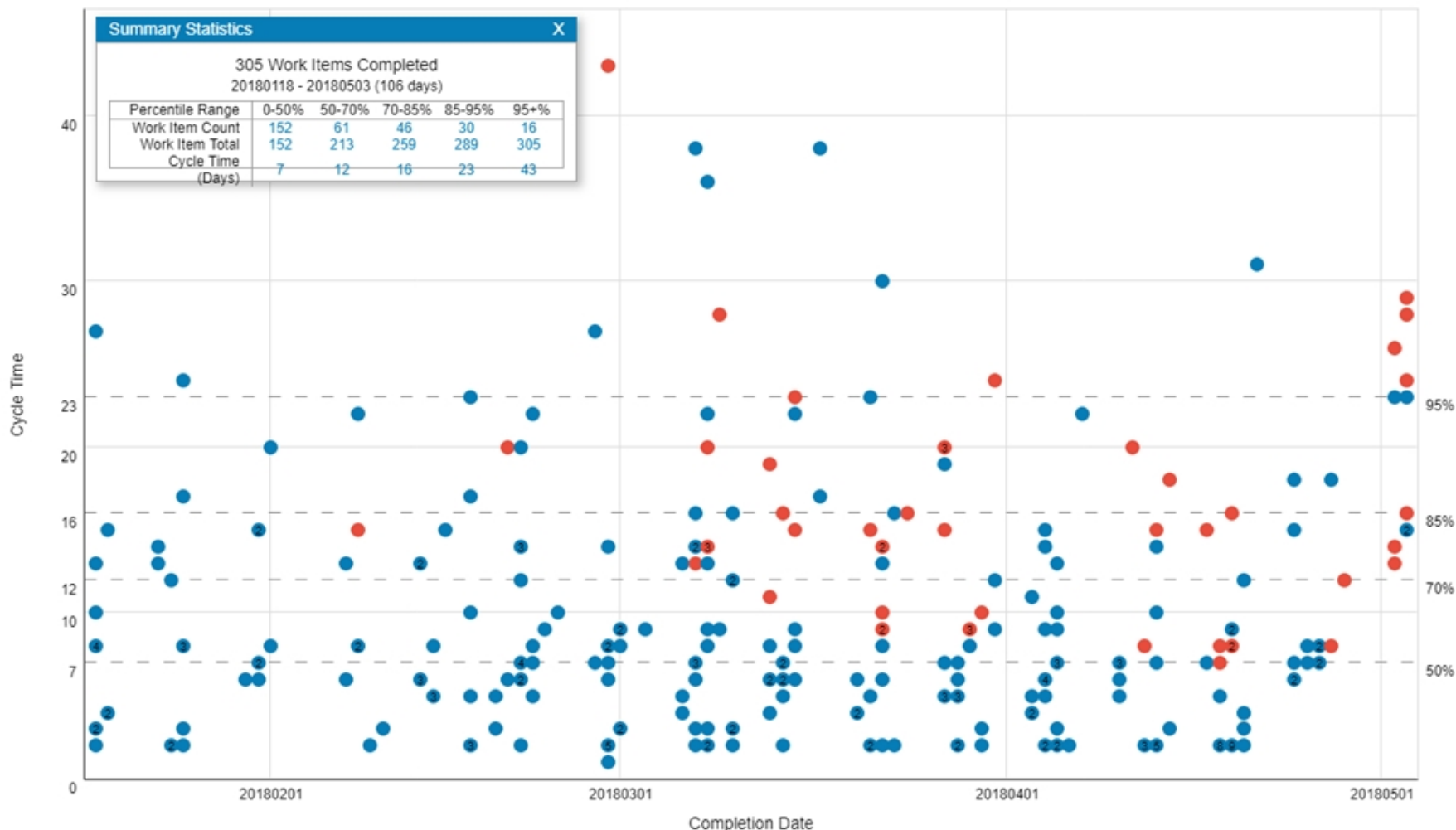
Work Item Age / Fighting Zombies



Work Item Aging Chart – Manage Service Level Expectations (SLEs)



Use Cycle time to figure out Service Level Expectations



Sprint Retrospective



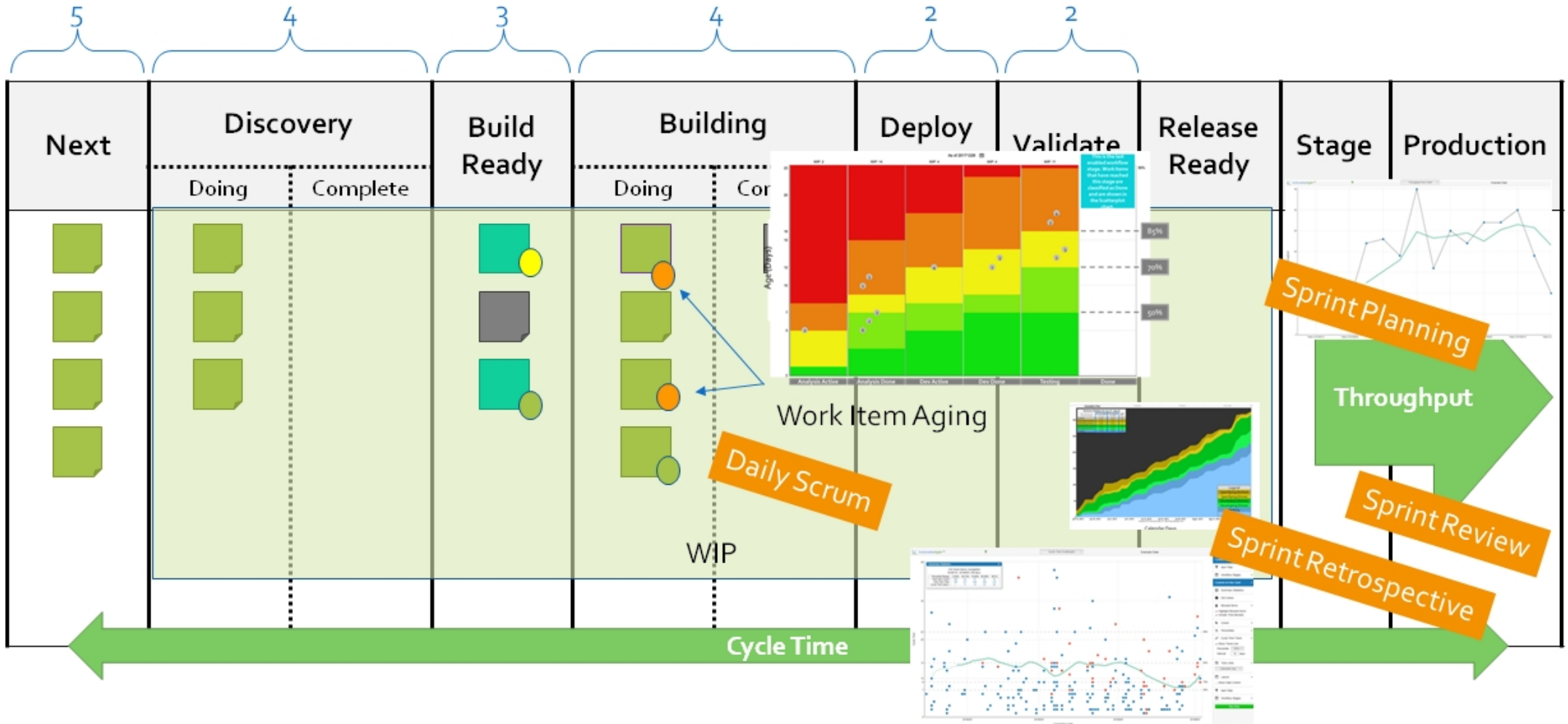
EVENT

/PSK

Flow-Based Sprint Retrospective

- Adds a more quantifiable metrics aspect to the typical qualitative Sprint Retrospective
 - » CycleTimes Scatterplot
 - » Cumulative Flow Diagram
 - » Blocked work and reasons
 - » Flow efficiency
 - » And many more...
- Review performance and compare to Service Level Expectations (SLEs)

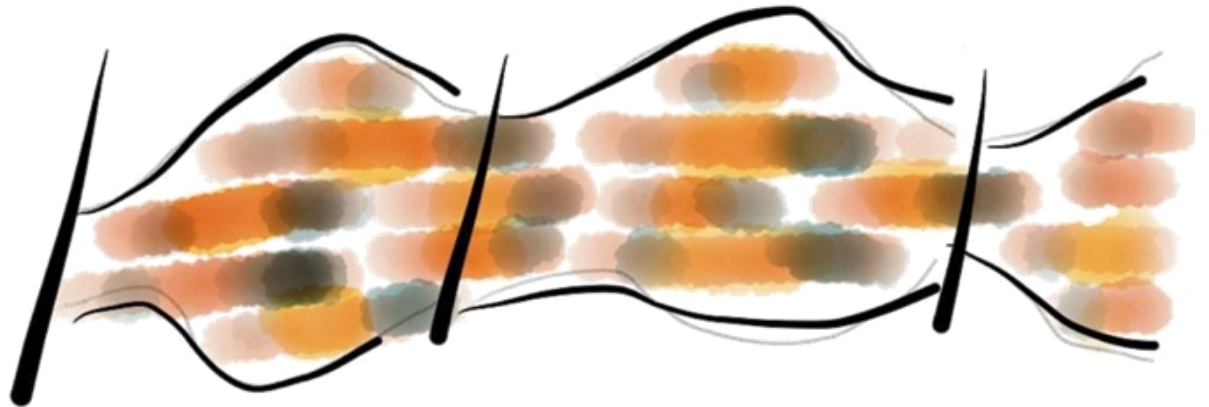
Using Flow Metrics in the Scrum Events



The Sprint

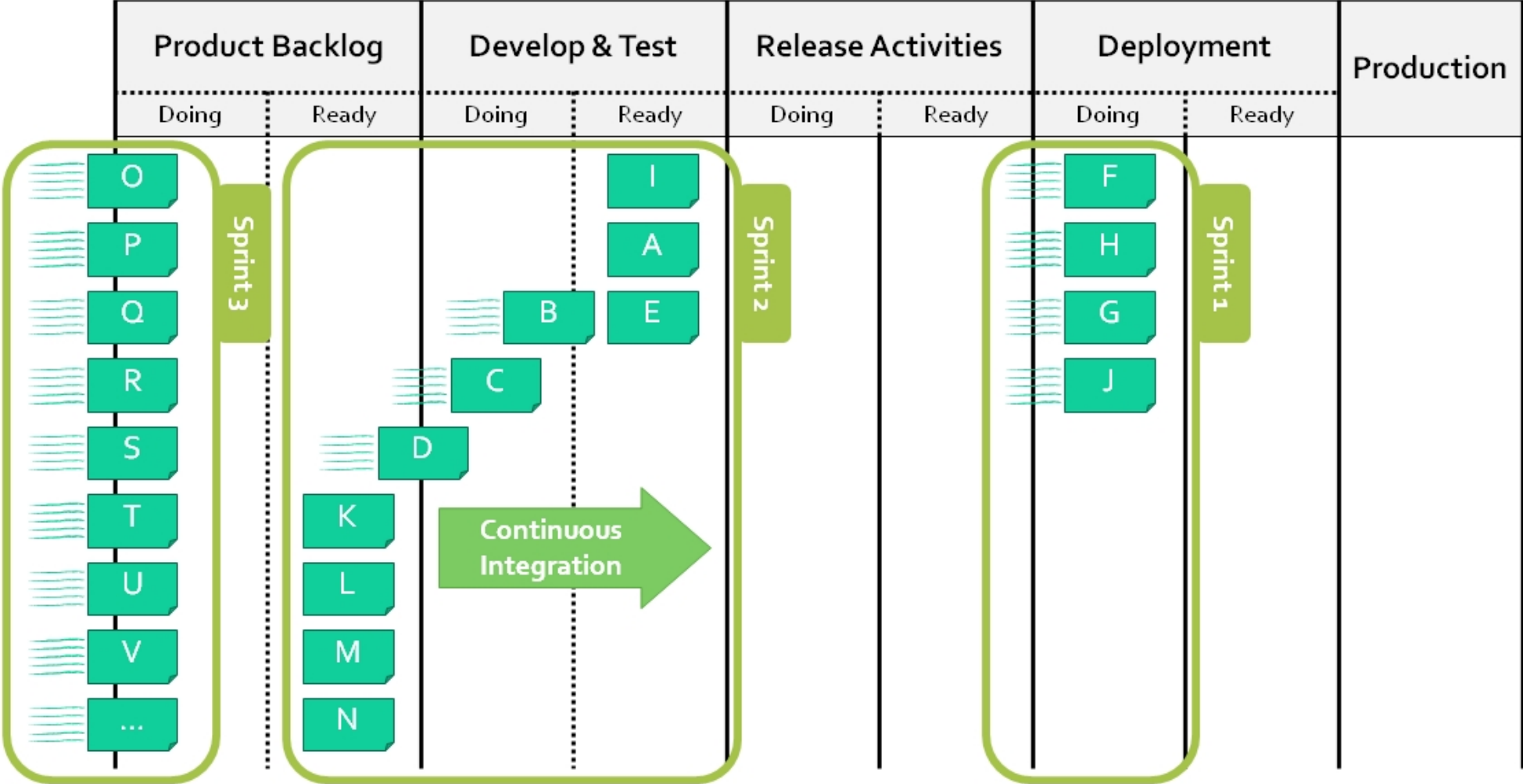
Sprint

- The Sprint is a planning, review, and retrospect cadence
- Delivery can happen throughout the Sprint

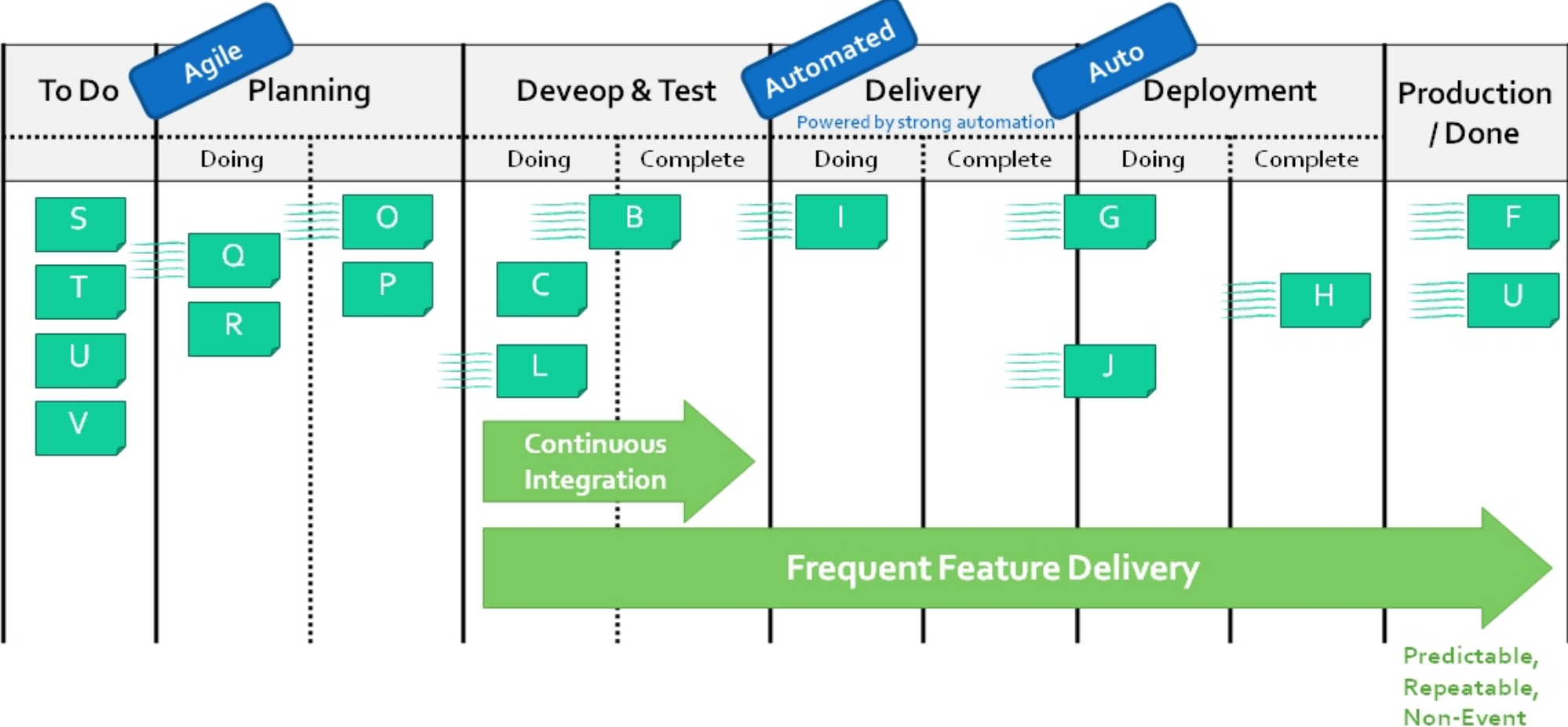


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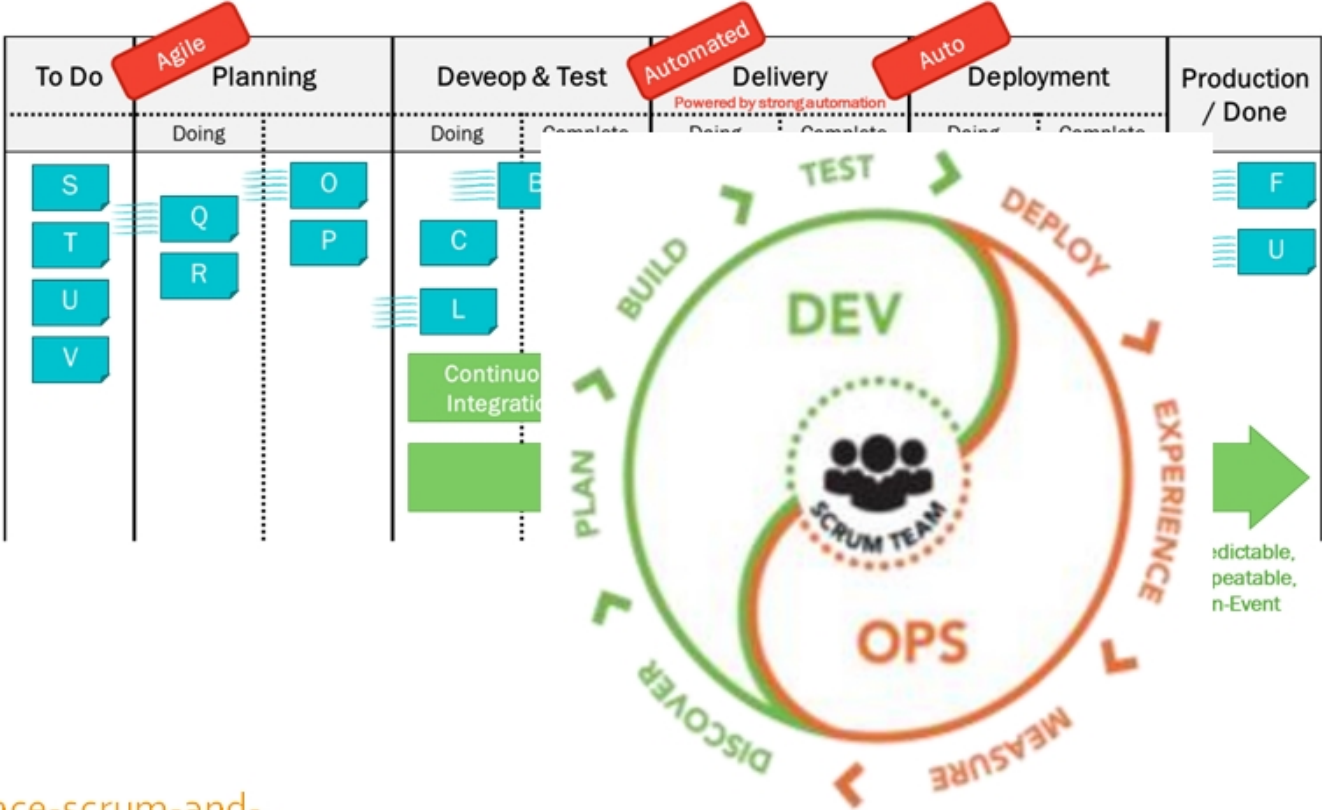
Classic Approach to Potentially Releasable Increment



Small Batch Continuous Flow Increments



All together now - Scrum, DevOps and Kanban ...



Learn more about Scrum & DevOps - <https://www.scrum.org/resources/convergence-scrum-and-devops>

Suggested Reading

“A Kanban Primer for Scrum Teams” (Porter, Yeret)

Scrum.org Blog
June 21, 2017

<https://www.scrum.org/resources/blog/kanban-primer-scrum-teams>



4 Key Flow Metrics

Scrum.org Blog
May 10, 2018

<https://www.scrum.org/resources/blog/4-key-flow-metrics-and-how-use-them-scrums-events>



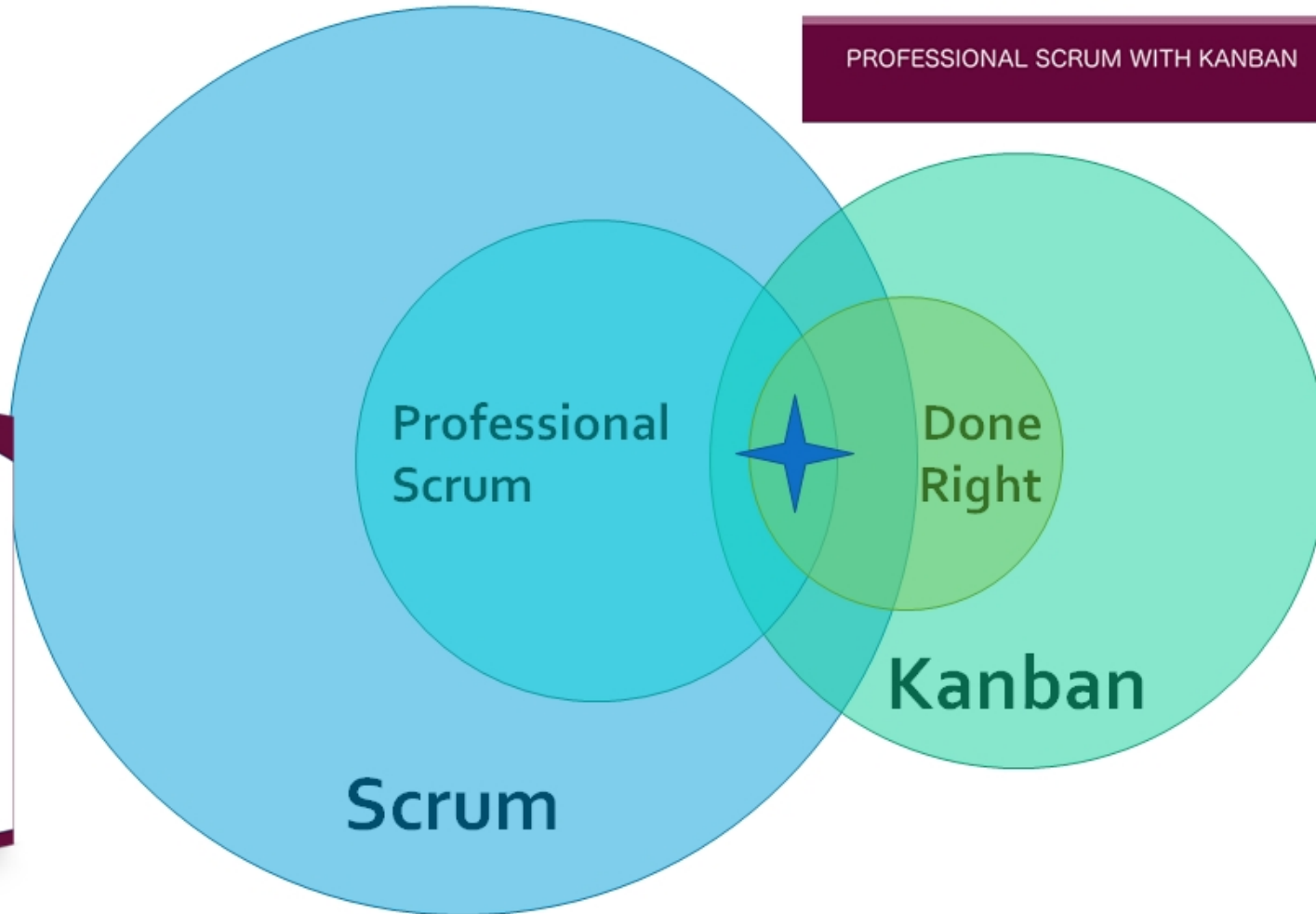
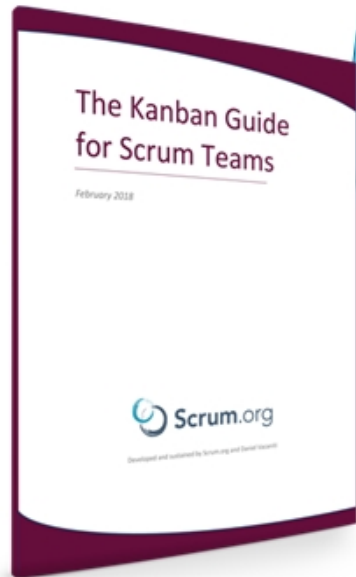
“Scrum and Kanban Stronger Together” (Steve Porter)

Scrum.org Blog
June 21, 2017

<https://www.scrum.org/resources/blog/scrum-and-kanban-stronger-together>



Professional Scrum with Kanban – Helping Teams Get More from Scrum



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PROFESSIONAL SCRUM WITH KANBAN

a training and certification program by Scrum.org

PSK Course - Nov. 13- 14, 2018 - Burlington,

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<https://www.scrum.org/courses/professional-scrum-kanban-burlington-ma-2018-11-13-15507>

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Some of the organizations we're working with that effectively combine Scrum w/ Kanban

