

Economically Sensible Scrum Scrum Gathering Keynote New Orleans, LA May 5, 2014 by Ken Rubin

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#### % 90 minutes from now...

You will walk out of here knowing the three principal inhibitors to organizational success with Scrum...

And how to use Economically Sensible Scrum to address them





#### 🔆 Approaches



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# ScrumBut(t) – violations of the Scrum framework



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We do Scrum, but...

Sprints are 8 weeks

No product owner

Daily scrums on M-W-F

Sprint planning is 2 days

Etc...

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### Three inhibitors to success using Scrum

Ignorance or misapplication of core agile principles during development

Failure to apply agile principles throughout the value chain

Failure to structure teams in an economically sensible way

Overall, not applying core agile principles in an economically sensible way



#### Agile principles provide context for inspecting & adapting

People who apply Scrum without understanding its underlying principles lack the necessary context to understand why they are doing things and when and how best to inspect and adapt their approaches



# Agile principles make organizations robust & antifragile





# Economics – universal language of product development



#### We need an economic framework





#### Example: cost of delay

If you have to wait 3 weeks for the UX team to design your UIs, and that delay could be eliminated by having a UX designer on your team, what would be the cost of the UX-team delay (in lifecycle profits)?



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#### Misunderstanding of just-in-time



# Balance up front predictive with adaptive just in time

- Type of product
- Degree of end uncertainty
  Degree of means uncertainty
- Constraints on development





#### Recognize inventory (WIP) waste

Manufacturing inventory is both physically and financially visible Product-development inventory is knowledge assets that are physically and financially invisible



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# Focus on Idle Work Not Idle Workers

#### Watch the Baton Not the Runners





#### **%** Fast, flexible flow







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#### Downstream misaligned



#### Internal management misaligned

Develop in an Agile way, but still provide all of the same plan-driven artifacts (e.g., extensive up-front requirements, full budget, and precise schedule) like before to get the project approved



#### **Sales** Misaligned





### Partners misaligned Contract scope Fixed Fixed Budget Fixed Date \* Copyright © 2014, Innolution, LLC. All Rights Reserved. 33

#### Protection of the fieldoms



#### **%** Failure to see the whole

Optimizing locally frequently suboptimizes the system





#### Failure to Structure Teams in an Economically Sensible Way



#### Cost of multitasking

Clark and Wheelwright (1992) studied multi-tasking and determined that when working on more than **two projects**, a person's time spent on value-adding work drops rapidly



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#### Seconomics favor long-lived teams



#### Scaling with multiple teams

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As the scope of work gets larger and one team is no longer sufficient, what is your scaling strategy?

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# Example feature team working on end-customer feature





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# Example "feature" to a component team



### That which is a feature to a component team is a task to a feature team

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#### **%** Fast, flexible flow





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