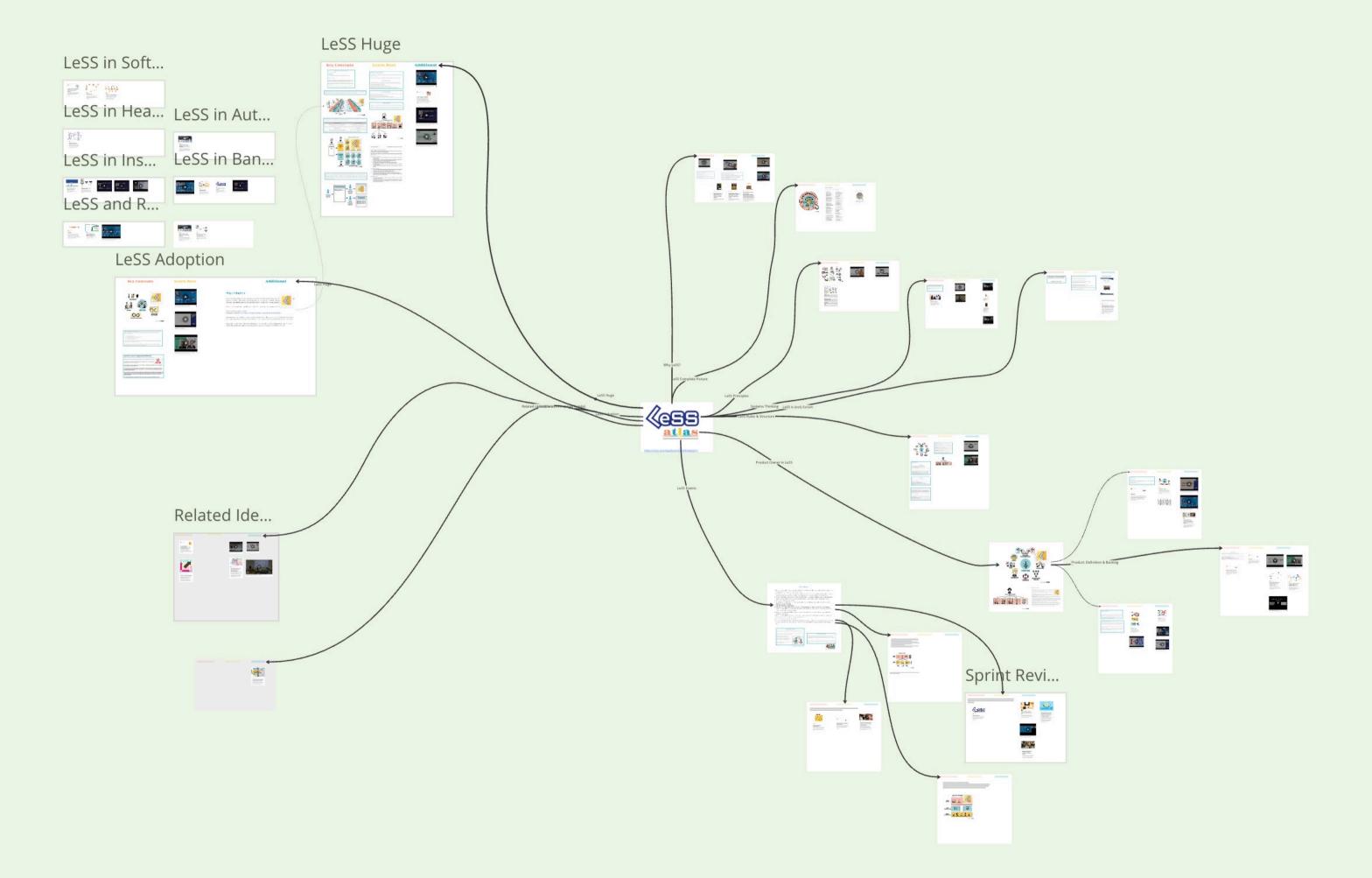


this resource is maintained by @Alexey Krivitsky

https://miro.com/app/board/uKjVKOapAyY=/



LeSS Complete Picture, 3-minute introduction to Large Sca...

LeSS is an organizational system for product development aimed at maximizing an organization's adaptiveness. With adaptiveness (or *agility*, the original intent of agile development) we mean optimizing towards:

- Ability to change direction with relatively low cost, primarily based on discovery through frequent delivery, for...
- Maximizing value delivered to customers and end-users.

LeSS is the result of two decades of Go See, systems thinking, and experimenting to achieve organizational adaptiveness.

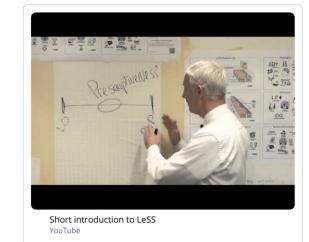
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- 1. From Specialist Roles to Teams
- 2. From Resource-Thinking to People-Thinking
- 3. From Organizing around Technology to Organizing around Customer Value
- 4. From Independent Teams to Continuous Cross-team Cooperation
- 5. From Coordinate to Integrate to Coordination through Integration
- 6. From *Projects* to *Products*
- 7. From Many Small Products to a Few Broad Products







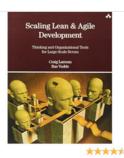




a www.amazon.com

Large-Scale Scrum: More with LeSS (Addison-Wesley Signature Series (Cohn))

Large-Scale Scrum: More with LeSS (Addison-Wesley Signature Series (Cohn))



www.amazon.com

Scaling Lean & Agile Development: Thinking and Organizational **Tools for Large-Scale** Scrum

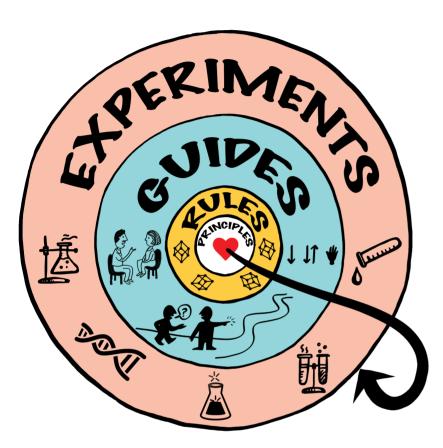
Scaling Lean & Agile Development: Thinking and Organizational Tools for Large-Scale Scrum



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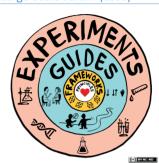
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Large Scale Scrum (LeSS)



ISLOC C and C++ product with several hundred developers where we were working. What's going on? Systems thinl hay help. In small groups the forces at play are more quickly seen and informally understood, but in large product nent—or any large system—it's tough. Gerry Weinberg highlights two decisive factors in this situation:

system models than for all other causes combined.

Causation Fallacy: Every effect has a cause... and we can tell which is which. [Weinberg92]





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Systems Thinking

I took a speed reading course and read "War and Peace" in twenty minutes. It involves Russia. -Woody Allen "No matter what we do, the number of defects...

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LeSS Talks: Introducing System Thinking To Product Devel...



Systems Modeling in Certified LeSS Practitioner - Large-Sca...

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cognitive biases, systems optimizations, and component te... $\ensuremath{\mathsf{YouTube}}$



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Thinking in Systems: International Bestseller

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The Fifth Discipline: The art and practice of the learning organization: Second edition (Century business)

The Fifth Discipline: The art and practice of the learning organization: Second edition (Century business)



cognitive biases, systems optimizations, and component te... $\ensuremath{\mathsf{YouTube}}$

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Scaled Product Owner

It's common in large-scale product development for different people to pull in different directions and for subgroups to focus on local sub-optimizations. Maintaining one Product Owner with one Product Backlog supports whole-product focus.

In traditional large-scale product groups, there's a group (often product managers) that focuses outward and a group (usually developers) that focuses inward — and never the twain shall meet. In LeSS, the one Product Owner has lots of free time to focus outward on customers and their priorities while also being able to spend some time looking inwards to the teams. She acts as a connector, bringing teams and customers/users together so the teams become more customer focused.

In contrast with other scaled Scrum approaches, it's possible in LeSS to effectively scale the Product Owner role with just one person because there are fewer roles and positions, and less complexity.

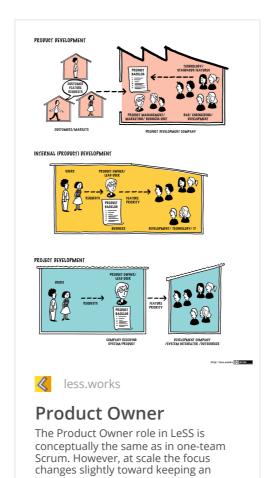
Prioritization over Clarification

There are two key information flows in Scrum related to the Product Owner: (1) prioritizing (ordering) items in the Product Backlog and (2) clarifying items in the Product Backlog. In the first flow (prioritization), information related to profit drivers, strategic customers, business risks, and other business concerns is sought and analyzed. In the second flow (clarification), information is sought to detail the behavior and qualities of items, the user experience, and other feature design concerns.

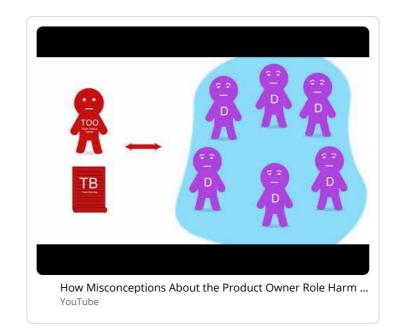
A LeSS Product Owner focuses on thinking hard about prioritization but collaborates with the teams on clarification. Further, she encourages and helps the teams enter into a direct conversation with true users and customers for clarification. She acts as a connector, not an intermediary.

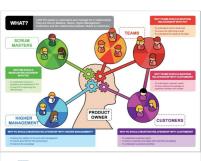
Why emphasize direct interaction between teams and customers/users? Reasons include: (1) avoiding information loss from handoffs, (2) fostering co-creation of solutions to real customer problems, and (3) improving motivation and empathy for customers by having developers collaborate with them directly.

It's worth noting that when the teams do most of the clarification work the Product Owner has more time and energy to focus on the big picture, continuously prioritizing and exploring new and strategic opportunities.



overview a...





in www.linkedin.com

The role of a Product Owner

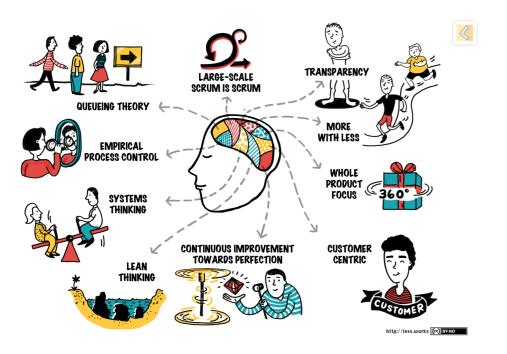
In my earlier post, I had shared the graphics about PO's relationship, and I received a lot of good, encouraging messages. Thank you for the same.



Product Owner Team Collaboration Unraveled | Jürgen De...



How to find a true Product Owner – Robert Batůšek



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LeSS Principles

Large-Scale Scrum is Scrum—It is not "new and improved Scrum." LeSS is about applying the principles, elements, and purpose of Scrum in a large-scale context. Multiple-team Scrum, not multiple Scrum teams.

Large Scale Scrum (LeSS)

Empirical process control— Inspection and adaptation of the product, processes, organizational design, and practices to craft a situational appropriate organization



Transparency—Based on tangible 'done' items, short cycles, working together, common definitions, and driving out fear in the workplace.

More with less—(1) In empirical process control: more learning with less defined processes. (2) In lean thinking: more value with less waste and overhead. (3) In scaling, more ownership, purpose, and joy with less roles, artifacts, and special groups.

Whole-product focus—One Product Backlog, one Product Owner, one potentially shippable product increment, one Sprint—regardless if there are 3 or 33 teams. Customers want the product, not a part.

Customer-centric—Identify value and waste in the eyes of the paying customer. Reduce the cycle time from their perspective. Increase feedback loops with real customers. Everyone understands how their work today directly relates to paying customers.

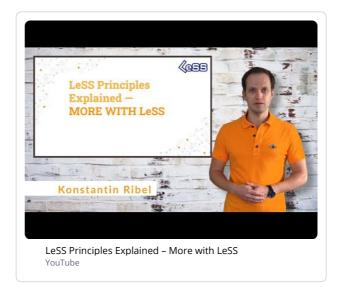
Continuous improvement towards perfection—Create and deliver a product all the time, without defects, that utterly delights customers, improves the environment, and makes lives better. Do humble and radical improvement experiments each Sprint towards that.

Systems thinking—See, understand, and optimize the whole system (not parts), and explore system dynamics. Avoid the local and sub-optimizations of focusing on the 'efficiency' or 'productivity' of individuals and individual teams. Customers care about the overall concept-to-cash cycle time and flow, not individual steps.

Lean thinking—Create an organizational system whose foundation is managers-as-teachers who apply and teach systems thinking and lean thinking, manage to improve, and who practice Go See at gemba. Add the two pillars of respect for people and continuous improvement. All towards the goal of neeffection

Queuing theory—Understand how systems with queues behave in the R&D domain, and apply those insights to managing queue sizes, work-in-progress limits, multitasking, work packages, and variability.

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Additional



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tinuous improvement towards perfection—Naturally, a group adopting LeSS brings to the table their assumptions and apparently achieved then

- 1. "the change is done", and
- 2. the organization settles into a new status quo, until
- 3. the next change effort surfaces, and the

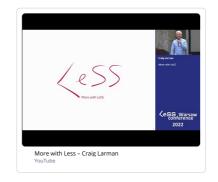
This classic approach is like the sequential and "big batch" approach of software development where change is an exception

n LeSS adoptions, there is no change initiative, no change group, no change managers. In LeSS, change is continuous

Larman's Laws of Organizational Behavior

- Organizations are implicitly optimized to avoid changing the status quo middle- and first-level manager and "specialist" positions & power structures.
- 2. As a corollary to (1), any change initiative will be reduced to redefining or overloading the new terminology to mean basically the same as status quo.
- 3. As a corollary to (1), any change initiative will be derided as "purist", "theoretical", "revolutionary", "religion", and "needing pragmatic customization for local concerns" which deflects from addressing weaknesses and manager/specialist status quo. 4. As a corollary to (1), if after changing the change some managers and single-specialists are still displaced, they become "coaches/trainers" for the change, frequently reinforcing (2) and (3), and creating the false impression 'the change has been done', deluding senior management and future change attempts, after which they become industry consultants.
- 5. (in large established orgs) Culture follows structure. And in tiny young orgs, structure follows culture.







Huge Adoption



•••••

LeSS Huge adoptions tend to take a long time and involve a lot of changes within the organization. An all-at-once LeSS Huge adoption should be avoided, especially when there are more than three areas involved. We've experienced several all-atonce LeSS Huge adoptions and the amount of change to the organization is too large and it causes pain and suffering.

Instead, LeSS Huge adoptions should be done gradual. There are roughly two approaches to LeSS Huge adoption:

- 1) One Requirement Area at the time
- 2) Gradually expanding the work-scope of the team, Definition of Done and the Product Definition

It is recommended to at least do one Requirement Area at a time. This is like a basic 2-8 team LeSS adoption but then the area should definitively not be mapped to the architecture but should be a true requirement area within the larger product.

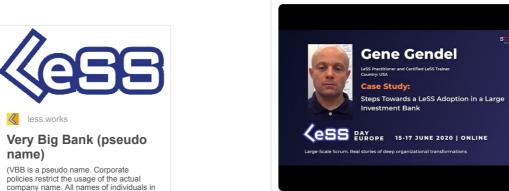
It is possible to combine both of the adoption techniques. Focus most effort on the "One Requirement Area at the time" while letting the rest of the organization prepare by expanding the team scope and the Definition of Done.



LeSS adoption in Jago – Rizki Yogaswara & Alex Titlyanov YouTube



This case study is written by Cesario together with a Product Area Lead, a Director, an an IT Area Lead from the Large Dutch Bank. The real name of the...



this case study are also pseudo na..

Gene Gendel: Steps Towards a LeSS Adoption in a Large In...

CASE STUDY LeSS Introduction at Merkur Insurence





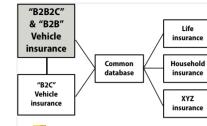








LeSS Introduction at Merkur Insurance -Download as a PDF or view online for free





German Big Insurance (pseudo name)

This case study describes the change in a department from their initial Scrum adoption towards a LeSS Huge adoption. Those steps towards LeSS Huge incl...





YouTube



DR. WOLFGANG RICHTER | LeSS - Large Scale Scrum | A... YouTube

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Additional

In LeSS each team:

- is self-managing
- is cross-functional all skills required are inside the team or the team can acquire them
- shares responsibility for all the team's work
- has a shared team goal
- has responsibility for managing its own relationships with external teams and people

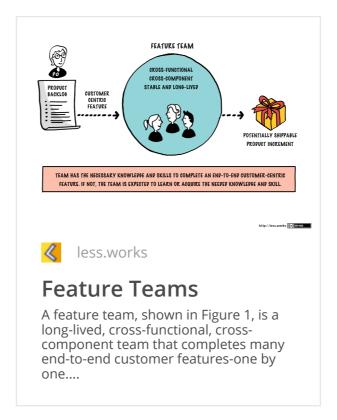


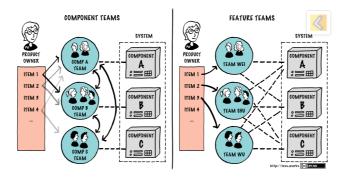
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Teams

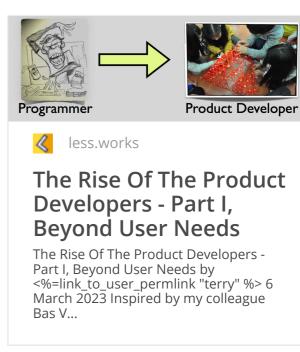
Teams are the core building block for large product development-and team structure has a huge impact on productivity and cycle time. Team has: * a shar...





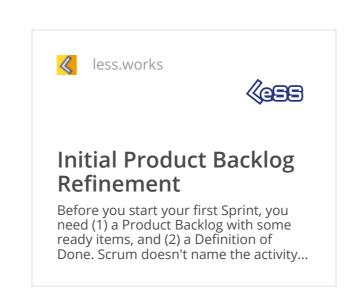


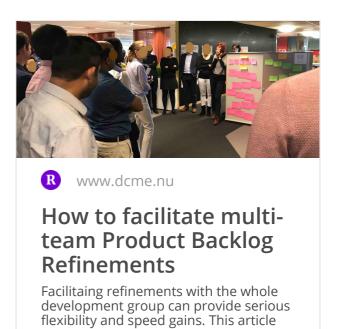




Product Backlog Refinement (PBR) is preferably done with multiple teams to increase shared learning and to exploit coordination opportunities.







describes how to facilitate Multi-team Product Backlog refinement sessions.

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Additional

LeSS Product

- There is one Product Owner and one Product Backlog for the complete shippable product.
- The Product Owner shouldn't work alone on Product Backlog refinement; she is supported by the multiple Teams working directly with customers/users and other stakeholders.
- All prioritization goes through the Product Owner, but clarification is as much as possible directly between the Teams and customer/users and other stakeholders.
- The definition of product should be as broad and end-user/customer centric as is practical. Over time, the definition of product might expand. Broader definitions are preferred.
- One Definition of Done for the whole product, common for all teams.
- Each team can have their own stronger Definition of Done by expanding the common one.
- The perfection goal is to improve the Definition of Done so that it results in a shippable product each Sprint (or even more frequently).



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Whole Product Focus

Customers don't buy a part of the product, but the whole product. This seems obvious but it is important to remember. It leads to a couple of important...

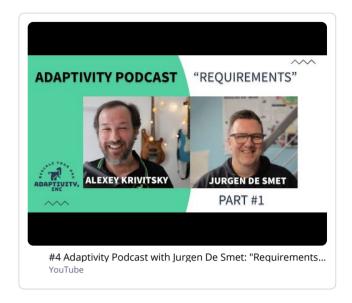


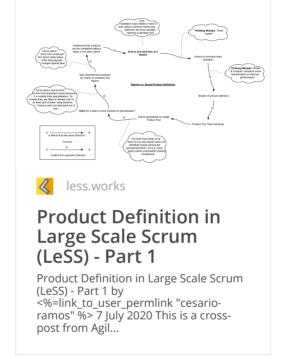
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Product

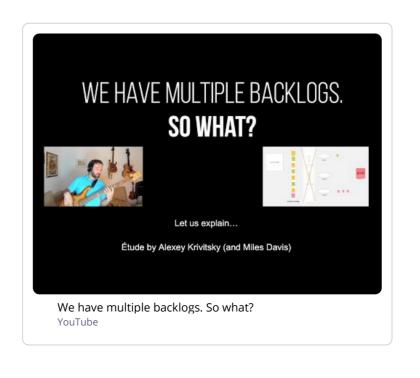
When starting a LeSS Adoption, one of the first things to clarify is what your product actually is. More often than not, the product definition preferr...









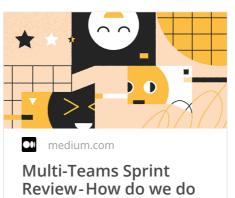


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There is one product Sprint Review; it is common for all teams. Ensure that suitable stakeholders join to contribute the information needed for effective inspection and adaptation.



Additional



it?
We're all familiar with the "one-team sprint review" concept. It's easy to manage, the agenda is often simple, and

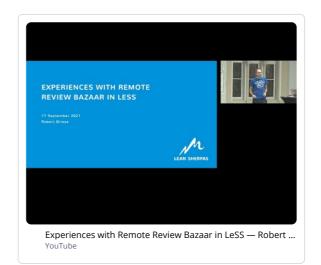
it provides solid focus...



www.leansherpas.com

Remote Sprint Review in Large-Scale Scrum (LeSS) - Lean Sherpas || Robert Briese

In this article you will get an overview of the purpose of sprint reviews in Scrum and learn more about a real example of how a modified sprint review in Large-Scale Scrum (LeSS) can be designed with several distributed teams.





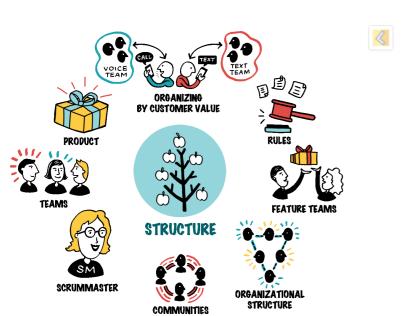
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How to facilitate an awesome Sprint Review in "Bazaar mode"

If you are in geo1, call us today! This article aims at helping Scrum Masters to conduct the *MOST AWESOME* Sprint Review they ever witnessed.

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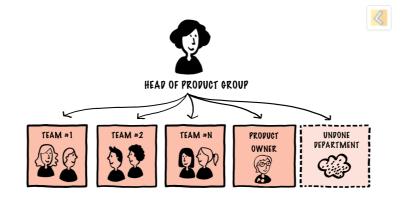


- with a Scrum Master. They are permanent units that stay together for the duration of a product (and sometimes longer).

 Avoid lots of hierarchical layers as much as possible.

 Product Owner (Team)—This is also commonly called "Product Management." It can be one person but in a larger LeSS
- organization the Product Owner might be supported by other product managers.

 An important point in this organizational structure is that the Teams and the Product Owner are peers. This important to keep the power balanced between the roles. The Teams and Product Owner should have a cooperative peer relationship. A common alternative structure is when the Product Owner belongs to a different organization. This is OK though it does often powers additional effort to ensure the Product Owner belongs to a different organization. This is OK though it
- Undone department—This department, ideally, does not exist.
 But unfortunately sometimes the teams are not yet able to create a true shippable increment every Sprint. This is reflected by their "Definition of Done" not being equal to "Potentially Shippable." Undone departments such as test, QA, architecture, or business analysis groups should never exist in the smaller LeSS framework groups as they should be integrated into the teams from the start. On the other hand, we unfortunately frequently still see an operations or production undone department in LeSS adoptions, as they often cross organizational boundaries.



http://tess.usorks (©) #FANO

LeSS Framework Rules

The LeSS framework applies to products with 2-"8" teams.

LeSS Structure

- Structure the organization using real teams as the basic organizational building block.
 Each team is (1) self-managing, (2) cross-functional, (3) co-located, and (4) long-lived.
- The teams are customer-focused feature teams.
- Scrum Masters are responsible for a well-working LeSS adoption. Their focus is towards the Teams, Product Owner, organization, and development practices. A Scrum Master does not focus on just one team but on the overall organizational system.
- A Scrum Master is a dedicated full-time role
- One Scrum Master can serve 1-3 teams.
- In LeSS, managers are optional, but if managers do exist their role is likely to change. Their focus shifts from managing the day-to-day product work to improving the value-delivering capability of the product development system.
- Managers' role is to improve the product development system by practicing Go See, encouraging Stop & Fix, and
 "superiments are a conference "...
- For the product group, establish the complete LeSS structure "at the start"; this is vital for a LeSS adoption.
- For the larger organization beyond the product group, adopt LeSS evolutionarily using Go and See to create an
 organization where experimentation and improvement is the norm.

LeSS Product

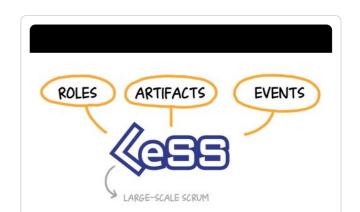
- There is one Product Owner and one Product Backlog for the complete shippable product.
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- product might expand. Broader definitions are preferred.

 One Definition of Done for the whole product, common for all teams.
- Each team can have their own stronger Definition of Done by expanding the common one.
- The perfection goal is to improve the Definition of Done so that it results in a shippable product each Sprint (or even

LeSS Sprint

- There is one product-level Sprint, not a different Sprint for each Team. Each Team starts and ends the Sprint at the same time. Each Sprint results in an integrated whole product.
- Sprint Planning consists of two parts: Sprint Planning One is common for all teams while Sprint Planning Two is usually
 done separately for each team. Do multi-team Sprint Planning Two in a shared space for closely related items.
- Sprint Planning One is attended by the Product Owner and Teams. They together tentatively select the items that each team will work on that Sprint. The Teams identify opportunities to work together and final questions are clarified.
- Sprint Planning Two is for Teams to decide how they will do the selected items. This usually involves design and the
- Each Team has their own Daily Scrum
- Cross-team coordination is decided by the teams. Prefer decentralized and informal coordination over centralized coordination. Emphasize Just Talk and informal networks via communicate in code, cross-team meetings, component mentors, travelers, scouts, and open spaces.
- Product Backlog Refinement (PBR) is preferably done with multiple teams to increase shared learning and to exploit coordination opportunities.
- There is one product Sprint Review; it is common for all teams. Ensure that suitable stakeholders join to contribute the information needed for effective inspection and adaptation.
- Information needed for effective inspection ar
 Each Team has their own Sprint Retrospective.
- An Overall Retrospective is held after the Team Retrospectives to discuss cross-team and system-wide issues, and create improvement experiments. This is attended by Product Owner, Scrum Masters, Team representatives, and managers (if



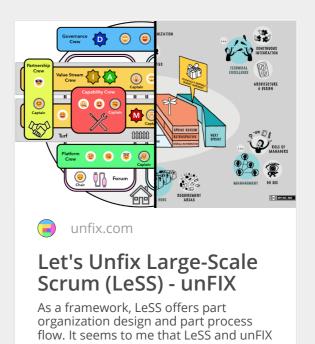
LeSS (Large-Scale Scrum) - The roles, artefacts and events -...



#2 Adaptivity Podcast with Bas Vodde: "Interdependence" YouTube

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are pretty complementary.



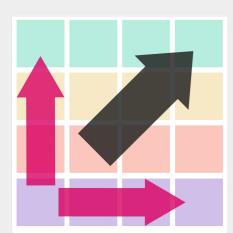


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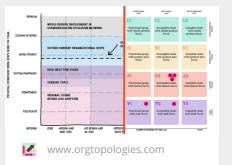
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Org Topologies™ (aka Organizational Topologies, Organisational Topologies) is a framework-agnostic approach for assessing and designing agile ecosystems where business and technology work as one for a fast flow of ideas and value.



Leading with Obeya for Product Owners - Mark Uijen de Kl... YouTube





Org Topologies™ and The Feature Team **Adoption Map**

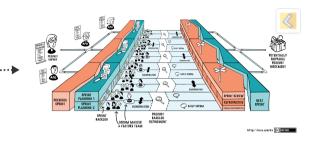
While studying organizational design, we created a visual representation of our findings using the Org Topologies™ Map. When explaining our concepts at various conferences and meetups, some people ask questions about the relationship between the Feature...



Jurgen De Smet - Mastering Agile Evolution: Strategic Agility Ahead

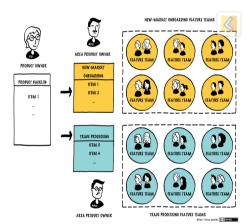


SS Huge is the second LeSS Framework, which is suitable for LeSS adoptions of more than eight teams. Conceptually it is SS scaled up further by having multiple (smaller) LeSS frameworks stacked on top of each other.

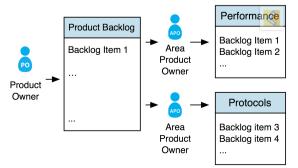


Requirement areas are scaled-up feature teams. Scaling up by structuring teams according to the product's architecture is alled development areas. The table below summarizes the differences.

Requirement Area	Development Area
organized around customer-centric requirements	organized around product's architecture
collective subsystem code ownership	code ownership per subsystem
temporary in nature; should change over the lifetime of the product, but not	tends to be more fixed over the lifetime of
at every iteration	the product
focus on the customer, using customer language	focus on the architecture, using technology
	language
Development areas are not recommended and are only shown to show the contrast with Requirement Areas.	



quirement areas are customer-centric categories of PBIs. Example requirement areas: for a digital press printer, color orkflow and transaction printing; for an internet portal area, ads and news; for a telecom system, protocols, performance and network management (see Figure 1). Discovering the requirement areas is surprisingly easy. For example, in Berlin we nce simply wrote PBIs on cards, spread them on the floor, and asked the PO and others to group them—affinity clusterin

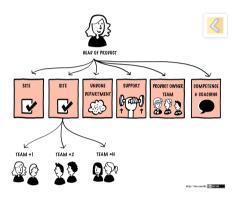


Learn More

LeSS Huge Framework Rules

LeSS Huge Structure

LeSS Huge Product



Large Scale Scrum (LeSS)

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LeSS Huge Framework Rules

LeSS Huge applies to products with "8+" teams. Avoid applying LeSS Huge for smaller product groups as it will result in more overhead and local optimizations.

All LeSS rules apply to LeSS Huge, unless otherwise stated. Each Requirement Area acts like the basic

- S Huge Structure

 Outcomer requirements that are strongly related from a customer perspective are grouped in Requirement Areas.

 Each Team specialities in one Requirement Area. Teams stay in one area for a long time. When there is more value in other areas, teams might change Requirement Area

 Each Requirement Area has one Area Product Owner.

 Each Requirement Area has between "4-8" teams. Avoid violating this range.

 LESS 'Huge adoptions, including the structural changes, are done with an evolutionary incremental approach.

 Remember each day: LeSS Huge adoptions take months or years, infinite patience, and sense of humor.

- LeSS Huge Product

 One (overall) Product Owner is responsible for product-wide prioritization and deciding which teams work in which Area. He works closely with Area Product Owners.

 Area Product Owners at as Product Owners towards their teams.

 There is one Product Backlog, every item in it belongs to exactly one Requirement Area.

 There is one Area Product Backlog per Requirement Area. This backlog is conceptually a more granular view onto the one Product Backlog.

- There is one product-level Sprint, not a different Sprint for each Requirement Area. It ends in
- Inter a one product-level sprint, not a orienter sprint for each negurement Area. It ents in one integrated whole product. The Product Owner and Area Product Owners synchronize frequently. Before Sprint Planning they ensure the Teams work on the most valuable items. After the Sprint Review, they further enable product-level adaptations.

Additional









Scaled Scrum is not a special scaled framework that happens to include "Scrum for each team"

Scaled Scrum is Scrum scaled

Learn More

Although LeSS is strongly influenced by Scrum, it is definitively not the same.

Some key differences between LeSS and Scrum 2017 are:

- The concept of Scrum Team does not exist in LeSS.
- What is called Development Team in Scrum is simply called Team in LeSS.
- Self-organizing teams are called Self-managing Team.
- Sprint Planning is split in Sprint Planning 1 and Sprint Planning 2.
- Backlog Refinement is not an activity but an event.
- Sprint Goal is not a part of LeSS but considered to be a useful practice to use with LeSS.
- Scrum Master is a fulltime role, not a member of a Team.
- Product Owner is not an expected participant in Team Daily Scrum or in Team Retrospective.

For now, we are ignoring the Scrum 2020 version.

Additional

The Scrum Guides™ 2017:

The Scrum Guide™

The Definitive Guide to Scrum: The Rules of the Game



Overview of Scrum by Bas and Craig:



scrumprimer.org

Scrum Primer - Short Introduction to Scrum

Scrum Primer is a short, readable and concrete introduction to the Scrum Framework by Pete Deemer, Gabrielle Benefied, Craig Larman, and Bas Vodde. It is an excellent guide for starting your Scrum journey.





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Y Soft

Y Soft adopted LeSS in 2019. A differentiator of Y Soft's LeSS adoption was not only making significant *organizational design* (OD) changes, but then ...



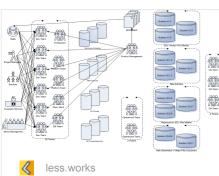
www.krivitsky.com

LeSS Adoption at Poster. Part 1: Org **Before Change**

A full-fledged detailed LeSS case study of Poster POS Inc.



LeSS adoption at Poster: ouches, gotchas and yoohoos! - Al... YouTube



A 6 11 141

Agfa Healthcare

Background * Lean A3 (PDCA) * Prepare with Education * Value-Stream Mapping * The Desired Future State of the Organisation * The Agile Coaching Team





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BMW Group - LeSS Huge at Autonomous Driving

We want to acknowledge the BMW Group for the opportunity to learn, grow, and analyze a fascinating LeSS Huge case in a highly competitive and challengi...







BMW Group - LeSS Huge at Autonomous Driving

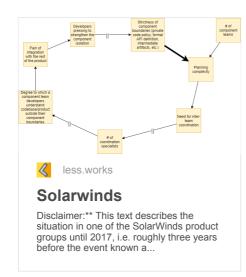
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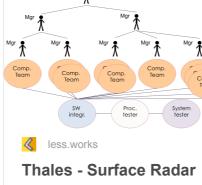




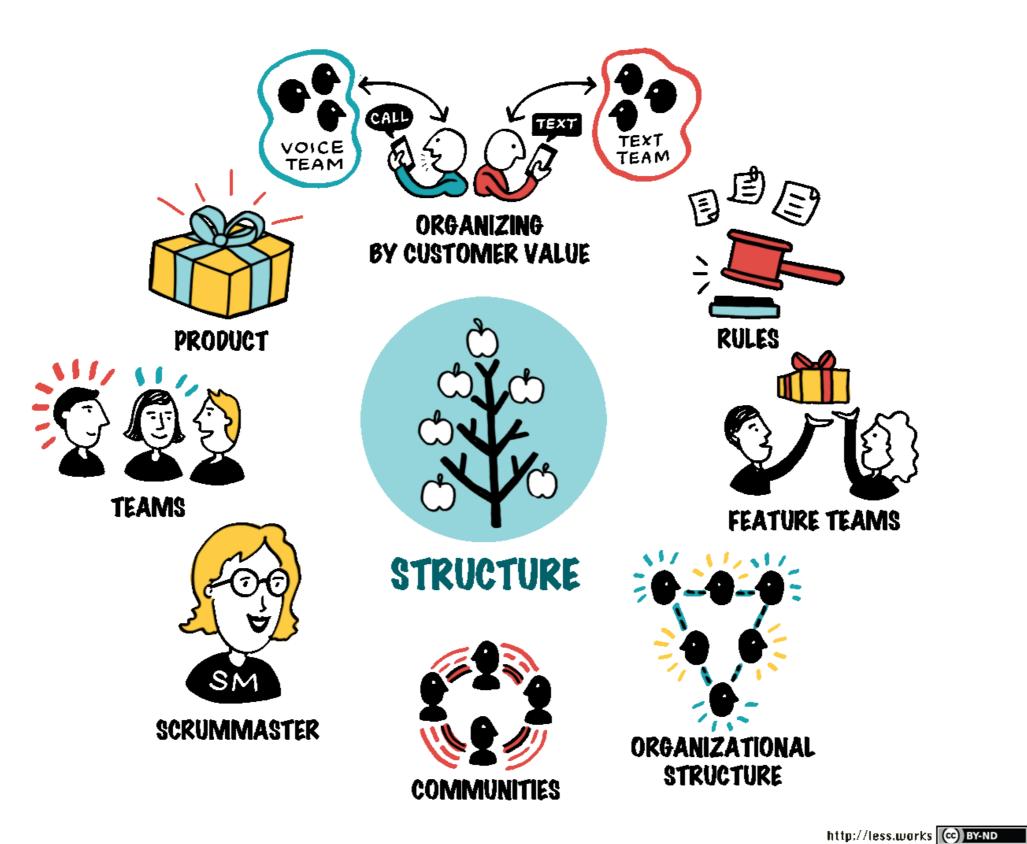
Large Server Hardware Company (pseudo name)

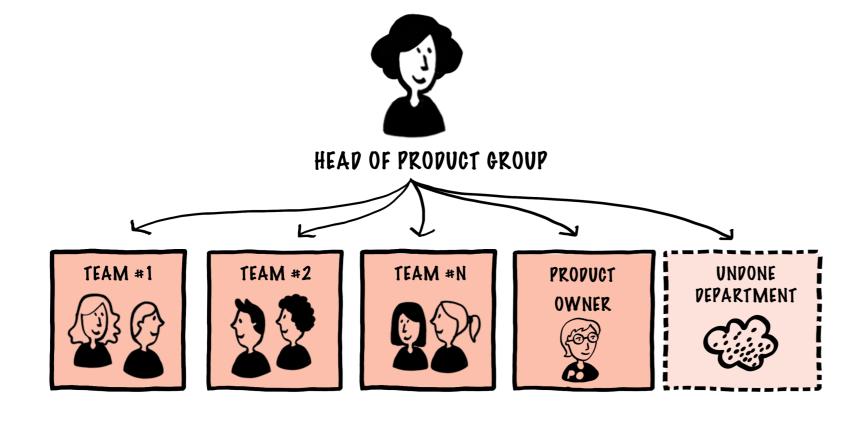
Audio versions of this case study are _available here_ I strongly believe the best chance of long-term success is achieved with a broad product boundar...





This is a story of how Thales Surface Radar TU Processing, a high-tech embedded software development department operating in an environment with defen...





Let's examine a LeSS organization...

- Head of the Product Group—Most LeSS organizations still have managers including a "head of product group." They support the teams by Go See and help them remove obstacles and improve. LeSS organizations don't have matrix structures and there are no "dotted-line" managers.
- "Head of Product Group" is called differently in different organization, here we mean the hierarchical manager of all the

4

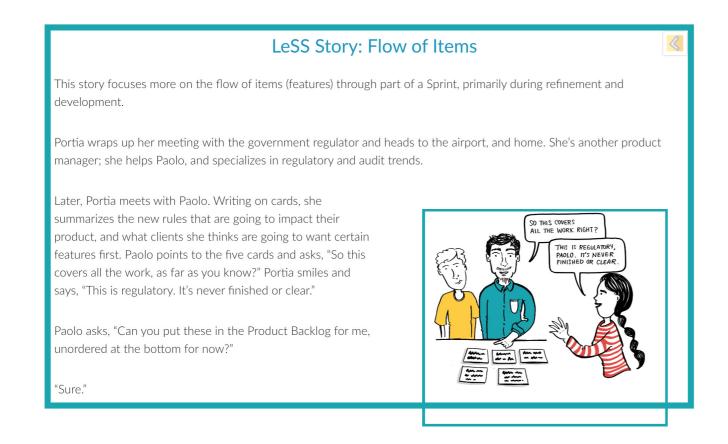
- Feature teams—This is where the development work is done. Each team is cross-functional, self-managing feature team with a Scrum Master. They are permanent units that stay together for the duration of a product (and sometimes longer). Avoid lots of hierarchical layers as much as possible.
- Product Owner (Team)—This is also commonly called "Product Management." It can be one person but in a larger LeSS organization the Product Owner might be supported by other product managers.
 An important point in this organizational structure is that the Teams and the Product Owner are peers. This important to
- keep the power balanced between the roles. The Teams and Product Owner should have a cooperative peer relationship. A common alternative structure is when the Product Owner belongs to a different organization. This is OK though it does often require additional effort to ensure the Product Owner has a close relationship with the Teams.
- Undone department—This department, ideally, does not exist.

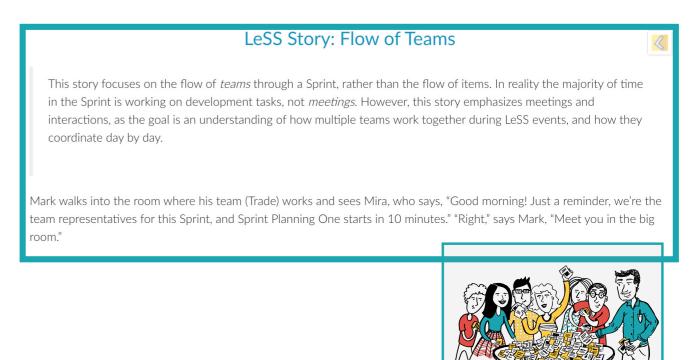
 But unfortunately sometimes the teams are not yet able to create a true shippable increment every Sprint. This is reflected by their "Definition of Done" not being equal to "Potentially Shippable." Undone departments such as test, QA, architecture, or business analysis groups should never exist in the smaller LeSS framework groups as they should be integrated into the teams from the start. On the other hand, we unfortunately frequently still see an operations or

production undone department in LeSS adoptions, as they often cross organizational boundaries.

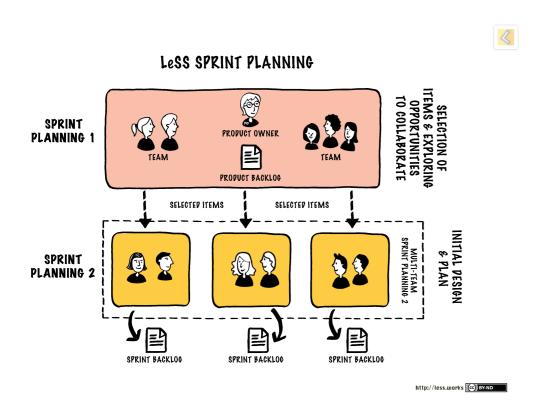
LeSS Sprint

- There is one product-level Sprint, not a different Sprint for each Team. Each Team starts and ends the Sprint at the same time. Each Sprint results in an integrated whole product.
- Sprint Planning consists of two parts: Sprint Planning One is common for all teams while Sprint Planning Two is usually done separately for each team. Do multi-team Sprint Planning Two in a shared space for closely related items.
- Sprint Planning One is attended by the Product Owner and Teams. They together tentatively select the items that each team will work on that Sprint. The Teams identify opportunities to work together and final questions are clarified.
- Each Team has their own Sprint Backlog.
- Sprint Planning Two is for Teams to decide how they will do the selected items. This usually involves design and the creation of their Sprint Backlogs.
- Each Team has their own Daily Scrum.
- Cross-team coordination is decided by the teams. Prefer decentralized and informal coordination over centralized coordination. Emphasize Just Talk and informal networks via communicate in code, cross-team meetings, component mentors, travelers, scouts, and open spaces.
- Product Backlog Refinement (PBR) is preferably done with multiple teams to increase shared learning and to exploit coordination opportunities.
- There is one product Sprint Review; it is common for all teams. Ensure that suitable stakeholders join to contribute the information needed for effective inspection and adaptation.
- Each Team has their own Sprint Retrospective.
- An Overall Retrospective is held after the Team Retrospectives to discuss cross-team and system-wide issues, and create improvement experiments. This is attended by Product Owner, Scrum Masters, Team representatives, and managers (if any).





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Sprint Planning Two is mostly the same as in one-team Scrum... the team creates their plan for getting the items to 'done.'

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