

Lisa Sieverts, PMP, PMI-ACP

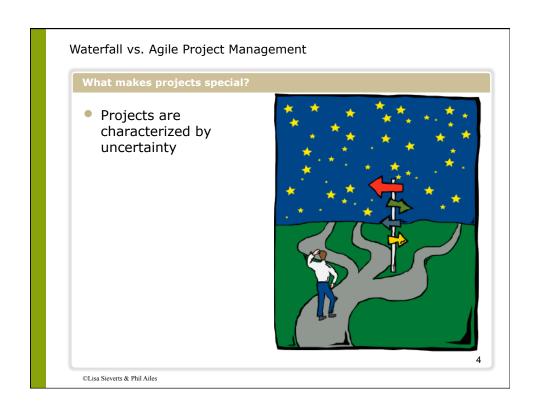
Phil Ailes, PMI-ACP

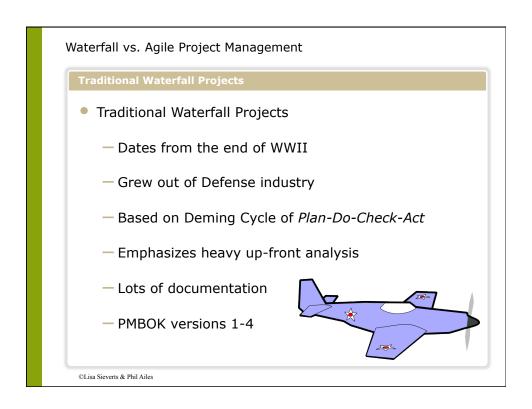
Waterfall vs. Agile Project Management

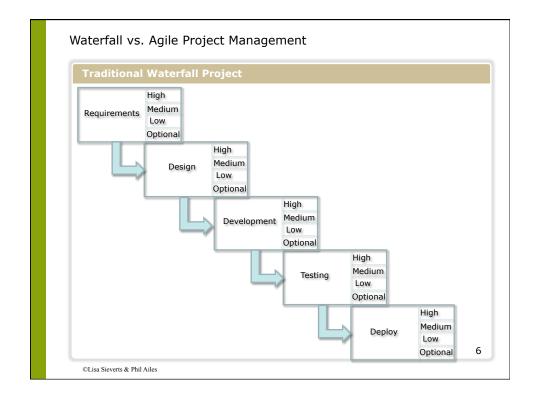
- What is a Project
- Overview
 - Traditional Project Management
 - Agile Project Management
- The Differences
 - Product Life Cycle
 - The Teams
 - Requirements
 - WBS/Product Backlog
 - Schedule
 - Risk
 - Quality
- Q & A

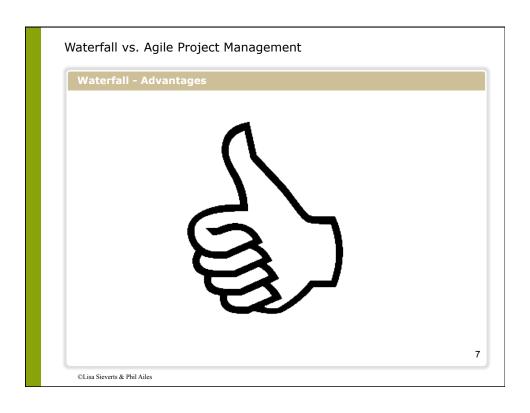




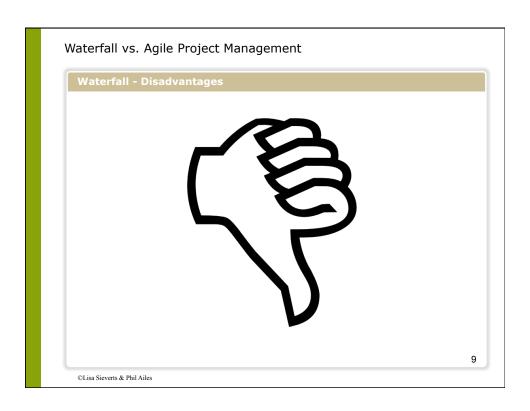








Waterfall vs. Agile Project Management Waterfall - Advantages Established Processes- Project Management Body of Knowledge Management Controls (Apparent) Predictability Great for low uncertainty/high dependency projects Construction Update of established product Maintenance projects



Waterfall vs. Agile Project Management

Waterfall - Disadvantages

- Sometimes is more about the **Process** than the **Product**
- Keeps the customer at bay by the time they see the end results it may be too late
- Project teams often become rigid and resistant to change: "Those darn users keep changing their minds."
- Long product development time

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Waterfall vs. Agile Project Management

Agile Project Management

- The Agile Way
 - Experiments in the 1990s
 - Values self-organizing teams
 - No formal "project management"
 - Iterative approach
 - Flexible



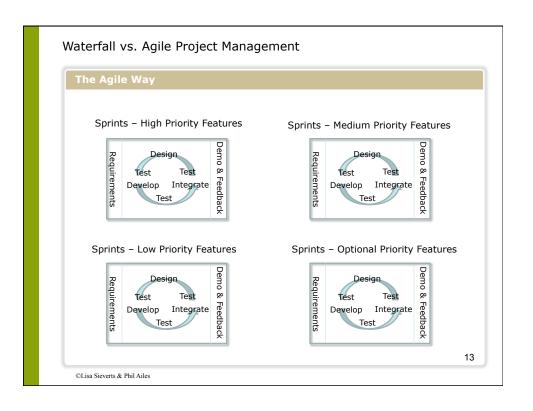
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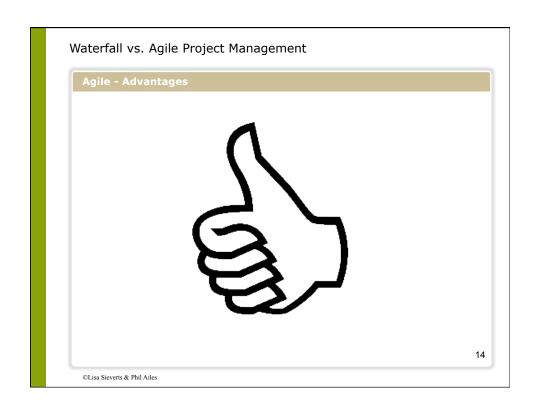
Waterfall vs. Agile Project Management

Manifesto

- The Agile Manifesto for 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."

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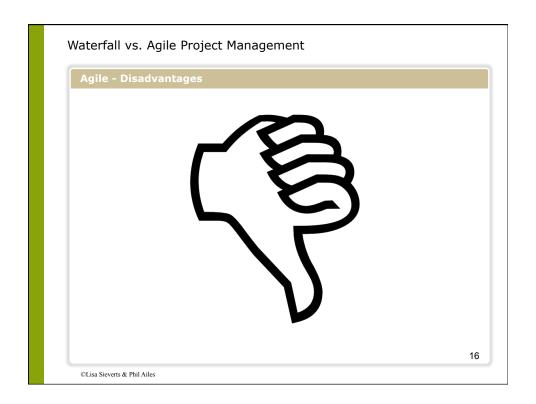


Waterfall vs. Agile Project Management

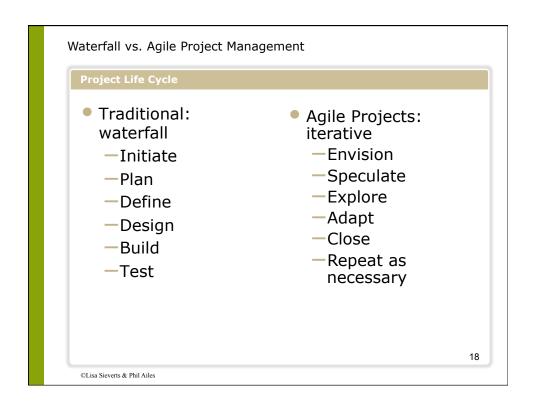
Agile - Advantages

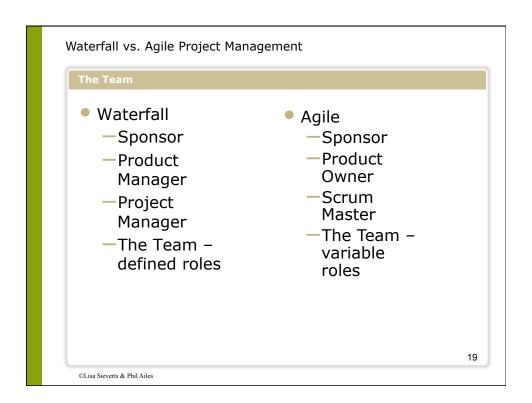
- Shorter development cycles
- Customer participates, providing direct feedback
- Team-ownership developers, testers, analysts and customers work together
- Process encourages and easily adapts to change
- Improved quality because testing is continuous

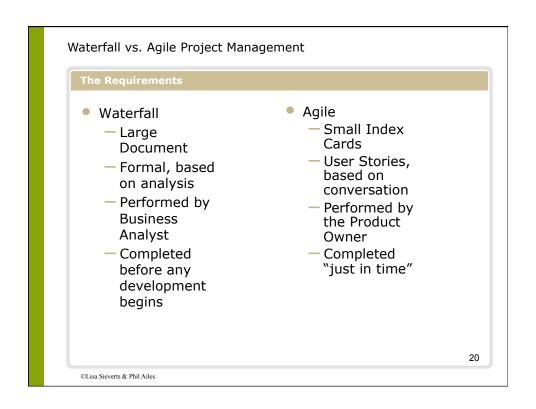
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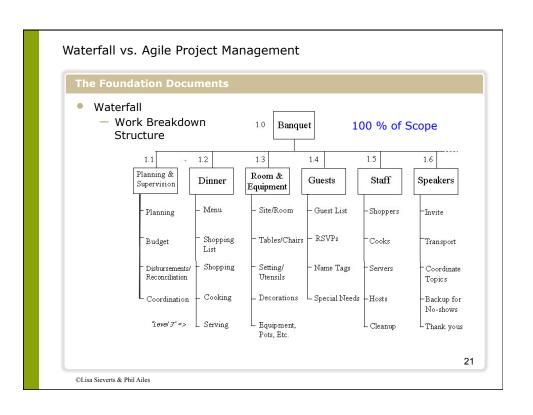


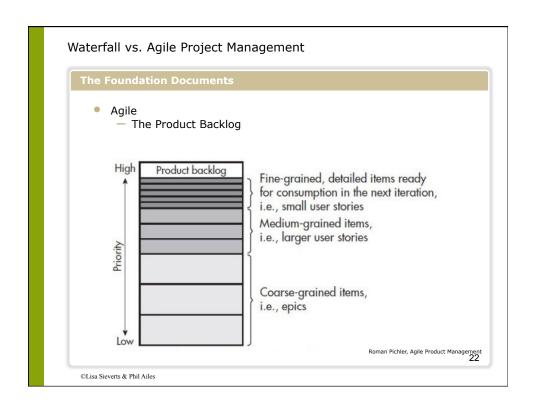
Waterfall vs. Agile Project Management Agile - Disadvantages Lack of established processes Management resistance to change Reduced (apparent) predictability Requires culture change It's new – there isn't a lot to draw upon



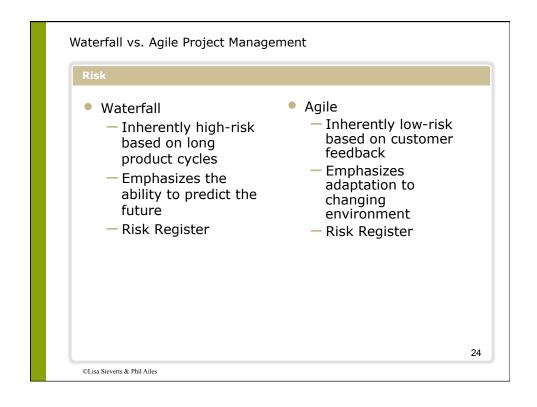








Waterfall vs. Agile Project Management Agile Waterfall Rebuilt every sprint Built before work End date evolves begins based on team End date is often velocity predetermined Focused on near- Strives to predict the term accuracy future Emphasizes regular Emphasizes delivery delivery of working of the entire product features 23 ©Lisa Sieverts & Phil Ailes



Waterfall vs. Agile Project Management Agile Waterfall Testing begins before Testing is at the end development of the project Testers and - Testers work developers work separately from together developers simultaneously User Acceptance User Acceptance occurs at the end of occurs at end of the project every sprint 25 ©Lisa Sieverts & Phil Ailes

