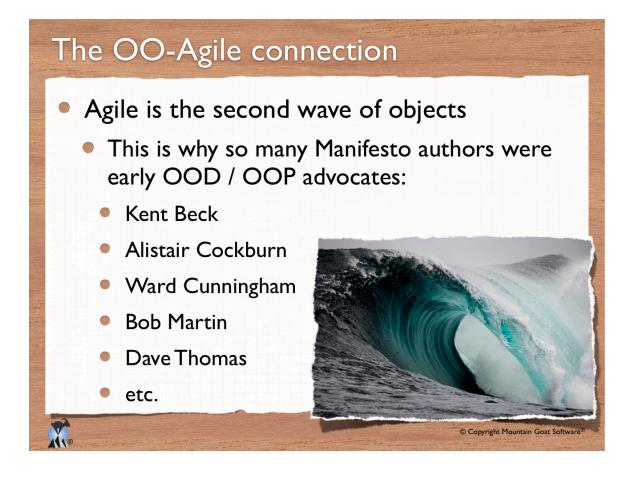
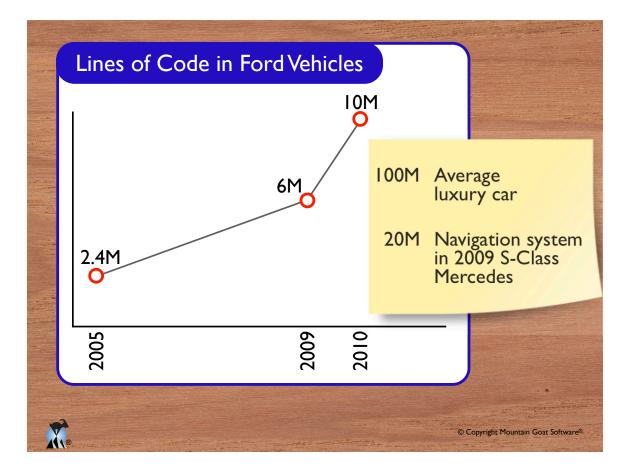
ADAPTing to Agile for Continued Success Agile 2010 - Orlando August 13, 2010 Mike Cohn mike@mountaingoatsoftware.com © Copyright Mountain Goat Software

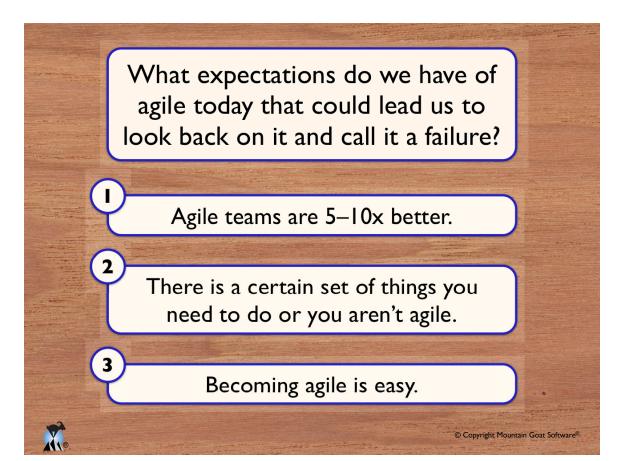


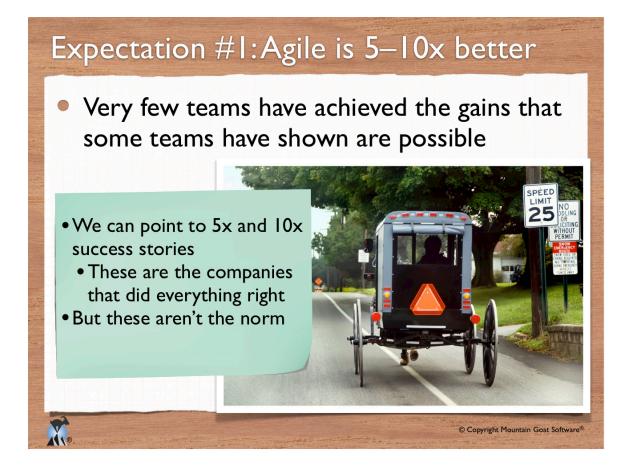


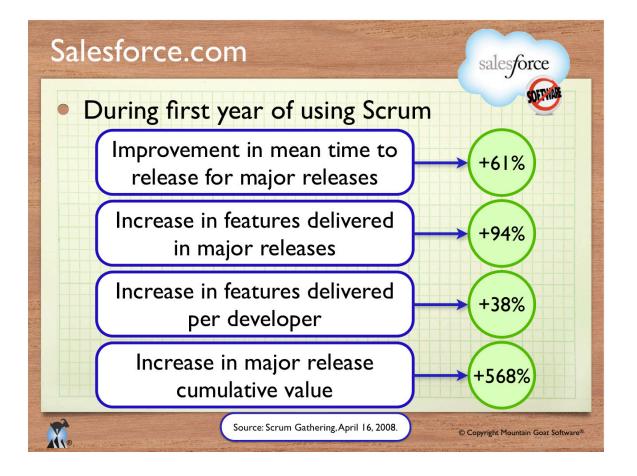
Looking back at OO

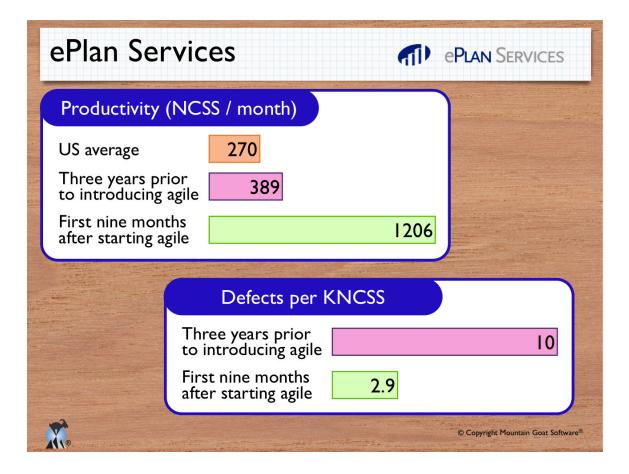
- Some said the OO revolution failed because:
 - Objects didn't achieve their full purpose
 - Being enamored with objects prevented us from looking for even better ways to build software
 - Businesses were led to expect miracles
- Yet: Could today's applications be written without objects?











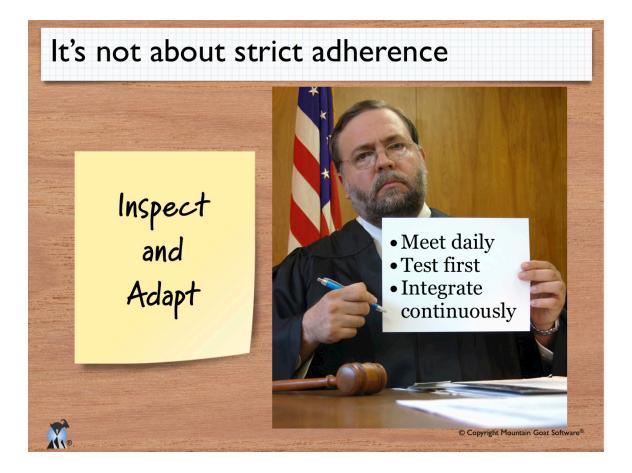
Cosmodemonic Biotech						
		Waterfall	Agile			
	Use Case pages	3,000				
	User Stories		I,400			
	Calendar months	9	12			
	Person months	540	54			
	Lines of Java code	58,000	51,000			
	Lines of Java code per person-month	120	840			
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Im	Improvements using Extreme Programming								
mint				-					
		Pre-XP	XP	Improvement					
	Cost	\$2.8 million	\$1.1 million	61%					
	Schedule	18 months	l 3.5 months	24%					
	Defects	2,270	381	83%					
	Staffing	18	П	39%					
Source: "10 Tips for Successful Agile Transitions," Joshua Kerievsky, QCon 2007. At http://www.infoq.com/presentations/10-tips-for-agile-transitions									
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Expectation #2: Agile is "this" set of things

- Many teams miss the mark
 - Either don't do "all" of agile or don't do it well
- "We do Scrum, but..."
 - "we do 3-month sprints."
 - "we don't have anything shippable at the end of each sprint."
 - "we do testing in a separate sprint."

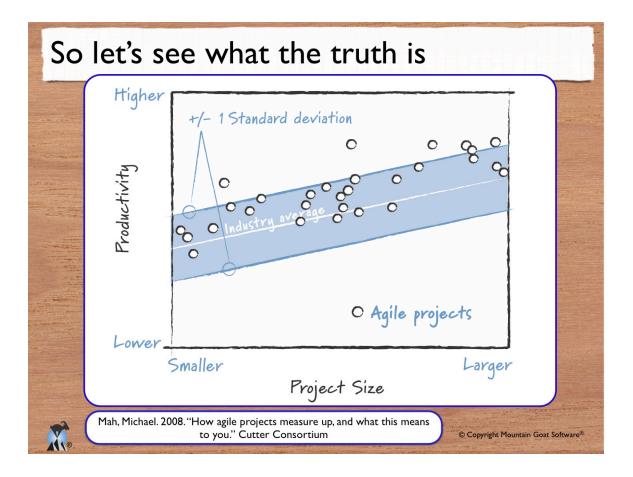


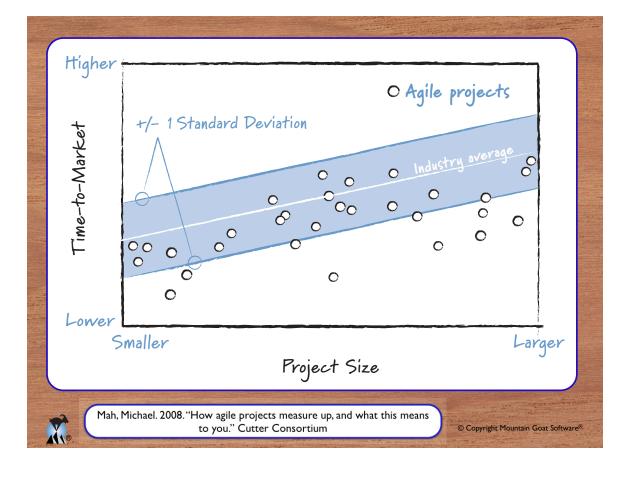


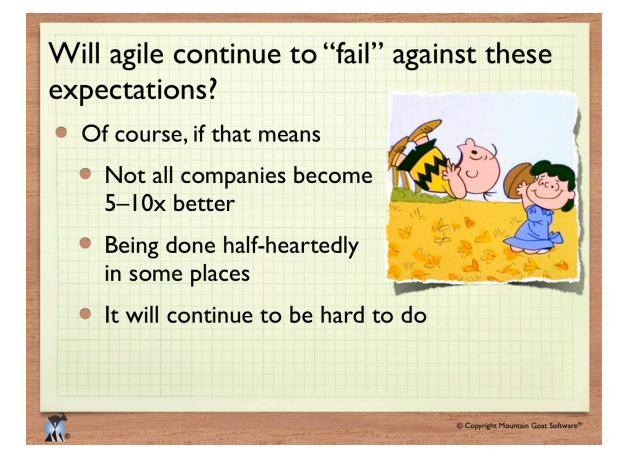
Expectation #3: Doing agile is easy

- "Mastery" in two days
- Most claims are realistic
 - "Although agile processes promise greater productivity once in place, productivity may decrease during the transition while the team learns new techniques."
 - "Maybe we need to say, 'Agile is hard, and you can't master it by sitting through a two-day course."²
- But there are some promises of miracles:
 - "Current research shows that any team can achieve hyperproductivity in a few sprints, even in a dysfunctional company."³

¹Cohn and Ford, "Introducing an Agile Process to an Organization," *IEEE Computer*, June 2003. ²James Shore, http://jamesshore.com/Blog/The-Decline-and-Fall-of-Agile.html ³Jeff Sutherland, http://scrumjeffsutherland.blogspot.com/2009/12/jeff-sutherland-google-dec-14-2009.html.



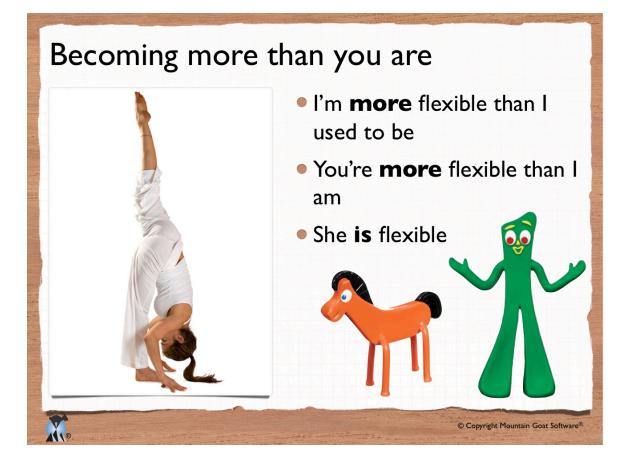




But these are inappropriate measures of success

Agile is not something you become, it's something you become more of.

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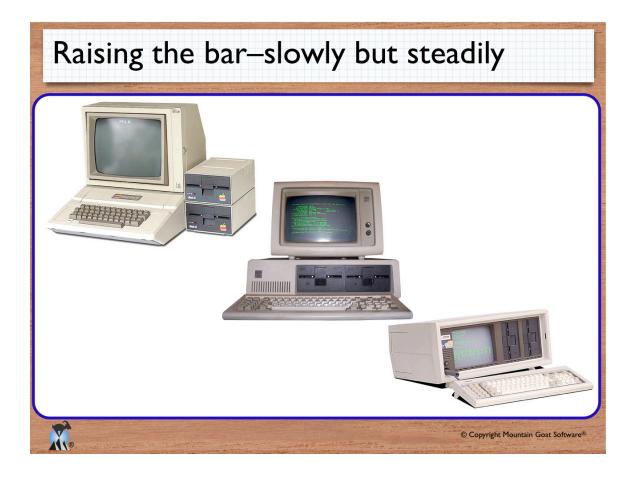
Succeeding with agile

Success in agile is about becoming better than we were

Stop obsessing over being perfect



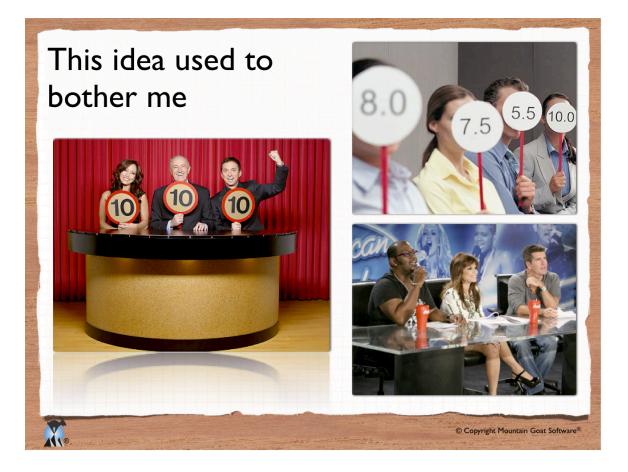






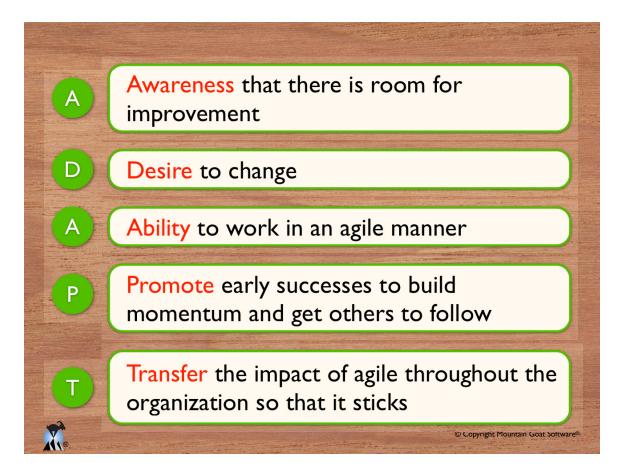
Continuing to raise the bar on one another





It's still about continuous improvement





"I'm the ScrumMaster and ...

...the developers are not meeting expectations for code quality.

One of our challenges is that we're still hacking our way through lots of legacy code that isn't unittestable or automated yet. This code is missioncritical and the person who has been working mostly on that area of code consistently leaves holes in the design and implementation of new pieces of that code.

How can I get her to write high-quality code with automated tests?"

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Tools for building...

Awareness

- Communicate that there's a problem
- Use metrics
- Provide exposure to new people and experiences
- Focus attention on the most important reason or two for changing

Tools for building...

Desire

- Communicate that there's a better way
- Create a sense of urgency
- Build momentum
- Get the team to take agile for a test drive
- Align incentives (or, at least, remove disincentives)
- Focus on addressing any fears
- Help people let go
- Don't discredit the past
- Engage everyone in the transition

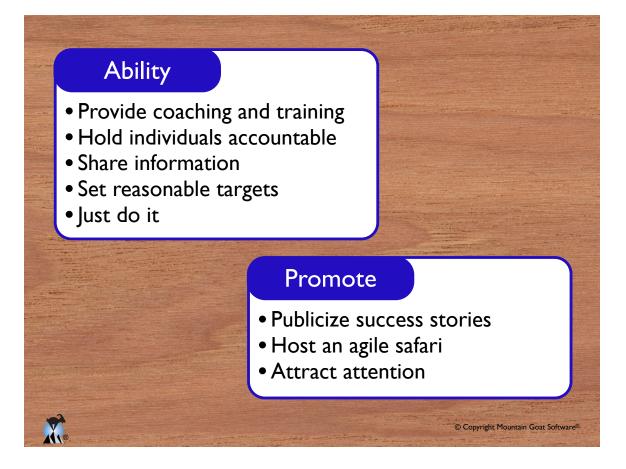
Waterfallacies

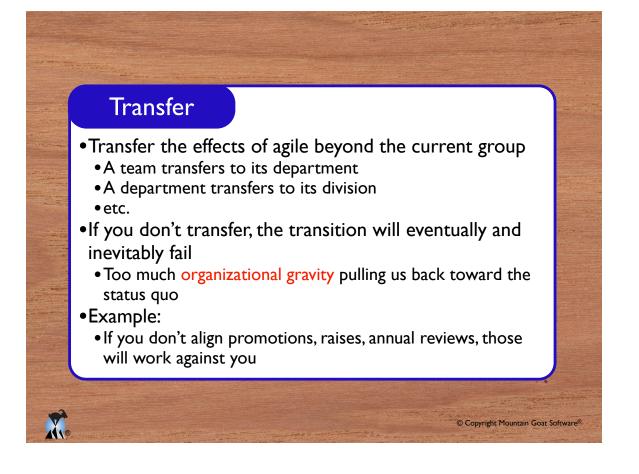
 Mistaken beliefs or ideas about agile created from working too long on waterfall projects.

Examples

- Agile ignores architecture, which would be disastrous for the type of system we build.
- Agile is OK for simple websites, but our system is too complicated.
- Our team is spread around the world, and agile requires face-to-face communication.

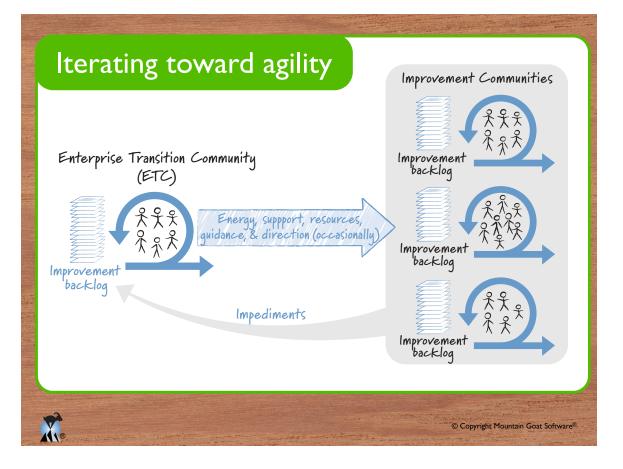






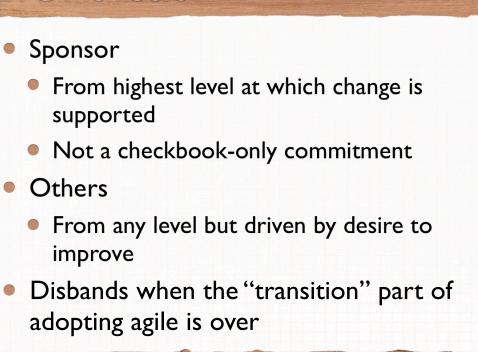
Iterating toward agility







ETC members



ETC responsibilities

- Articulate the reasons for adopting agile
- Stimulate conversation
- Provide resources
- Engage everyone

A C

- Set appropriate aspirations
- Anticipate and address people issues and other impediments
- Encourage simultaneous focus on practices and principles

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An ETC's improvement backlog

ltem	Who	Note
Create an "Agile Office" where teams can get help.		Jim (CTO) to talk this up at monthly development meeting. Let's see if there's any interest.
Establish an internal program for developing ScrumMasters.		How do we identify good internal candidates? How do we develop them?
Collect and disseminate Scrum success stories in our company.	SC	Savannah has expressed interest in this.
Resolve dispute with facilities over rearranging second floor cubicles.	JS	Jim to talk to Ursula in facilities
Get more teams to do continuous integration.	AR	Arie will summarize metrics from his project and see how many teams he can motivate.

Improvement communities (ICs) Form around the passion of a small number of people Expand from there Do the real work of improving how the organization implements agile Focus on goals with practical relevance Examples:

ScrumMaster, Testing, Product Owner,

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Continuous Integration

Working with an IC

- An IC works with a project team
- Work is not done in an ivory tower
- Most ICs work in 2–4-week iterations
- Disband or refocus when goal has been achieved

