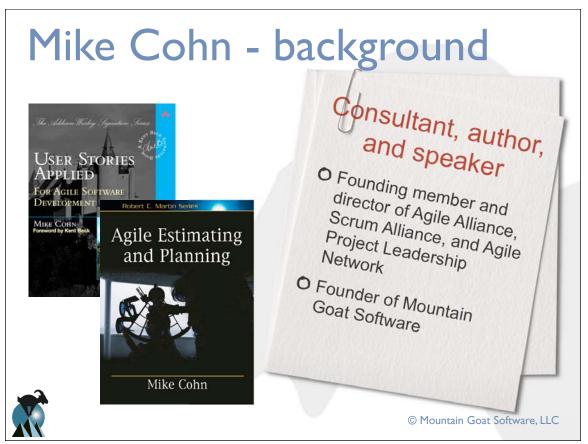
Transitioning to Agile A Guide to Good Practices in Context

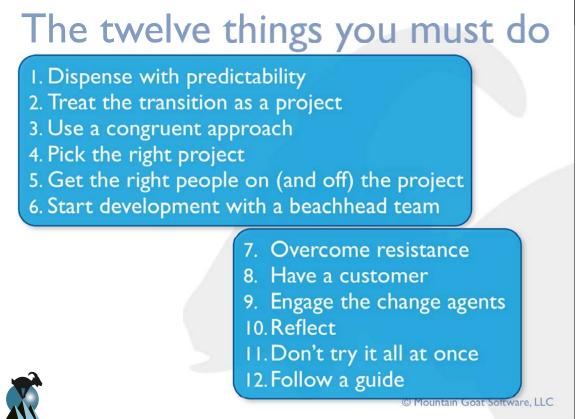
Mike Cohn President Mountain Goat Software Lafayette, Colorado mike@mountaingoatsoftware.com

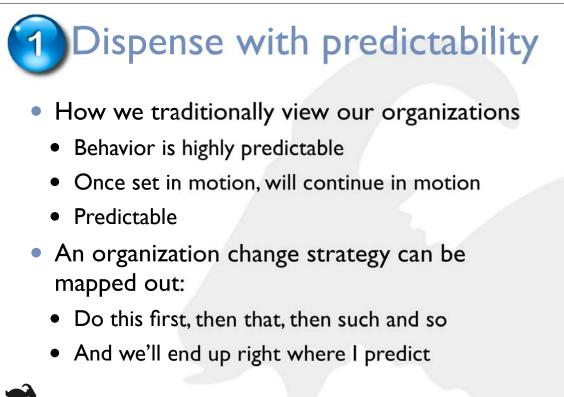


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"This machine imagery [Newtonian view] leads to the belief that studying the parts is the key to understanding the whole. Things are taken apart, dissected literally or figuratively...and then put back together without any significant loss. The assumption is that the more we know about the workings of each piece, the more we will learn about the whole."

> ~Margaret Wheatley in Leadership and the New Science

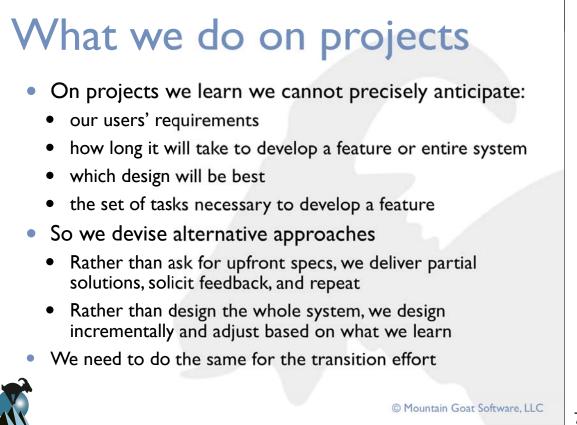
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Is it top down or bottom up?

- Two simplistic views of transitioning to agile:
 - Top down
 - Powerful leader shares a vision
 - Bottom-up
 - A team starts and everyone else sees the benefits of the new approach
- But, transitioning to agile is neither top-down nor bottom-up
 - It's everywhere, all together, all-at-once





Treat the transition as a project Establish an "Agile Transition Team" ("Agile

- Establish an "Agile Iransition Team" ("Ag Adoption Team," etc.)
 - Who?
 - Sponsor—senior person responsible for success
 - Area managers or leads who can make it happen
 - Meet weekly
 - Run monthly iterations managing work from a Transition Backlog







Ref: John Kotter, Leading Change, 1996.

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An example transition backlog

Decide how pervasive to go with Scrum—software development only or full company	All	
Identify which issues Scrum can solve or help with.	DF	
Set expectations that it will hurt.	MC	
Understand how testing will fit within Scrum.	ТС	
Identify other groups/functions that will be affected.	MC, DF	
Identify needed organizational changes—reporting, reviews, compensation, career paths, etc.		
Determine how we'll communicate progress		
Are there agile project management tools we should use?		
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Pre-requisites of self-organization

Container

- A boundary within which self-organization occurs
- Company, project, team, city, role, nationality

Differences

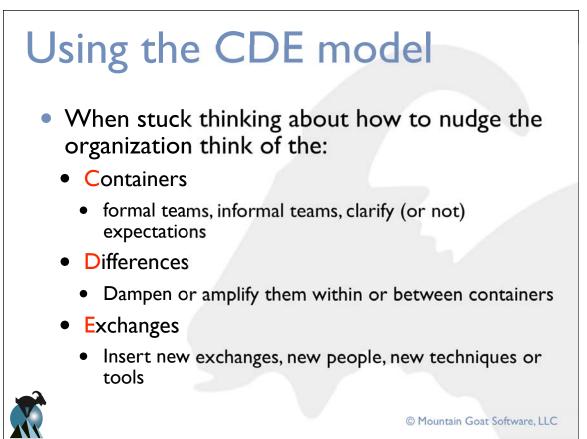
- There must be differences among the "agents" acting in our system
 - Technical knowledge, domain knowledge, education, experience, power, gender

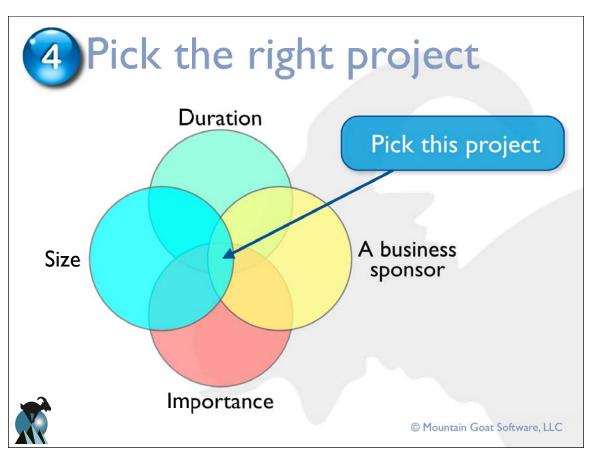
Transforming Exchanges

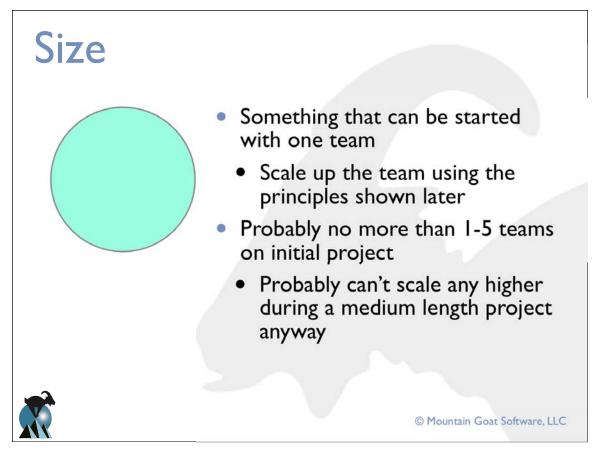
- Agents in the system interact and exchange resources
 - Information, money, energy (vision)

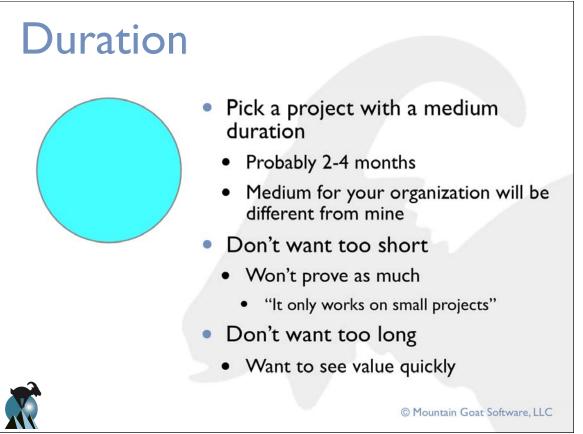


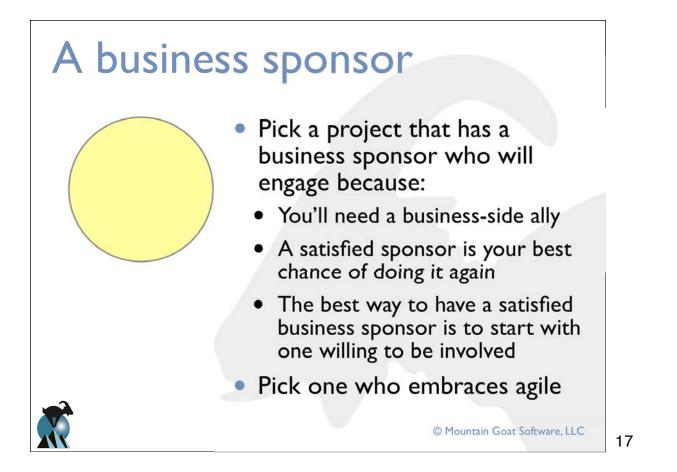
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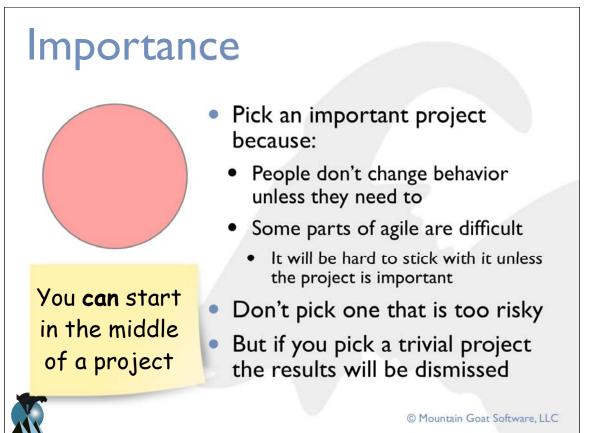












"Don't start with an initial 'learning project' that is of marginal importance. Start on a project that is absolutely critical to your company; otherwise it will be too difficult to implement all the hard things [agile] will ask of you."

~Jim Highsmith in Adaptive Software Development Ecosysmtems

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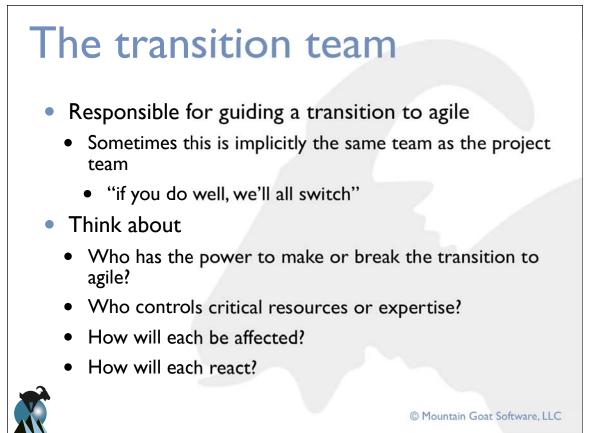
The ideal project

- Has an active, engaged business sponsor
- Is critical to your organization
- Would likely or possibly fail if done in the status quo manner
- Can start with I team
 - Will grow to no more than 5 teams
- Lasts "a handful of months"





<section-header> The project team should The project team should Be cross-functional / multi-disciplinary everyone needed to finish all work of an iteration Include opinion leaders Both favorably disposed toward and opposed to agile Include evangelists Include those who've done it before (elsewhere) Include a range of perspectives



Additional transition team considerations

- Who will gain or lose something by the transition to agile?
- Are there blocs likely to mobilize against or in support of the transition?
- Do team members have sufficient credibility that the teams' opinions and results are taken seriously?
- Can team members put their personal interests aside in favor of the organizational goal?



Who should not be on these teams

- People with big egos
 - Big egos fill the room; leave little space for others
 - Don't understand their own limitations
- Snakes
 - Someone who poisons relationships among team members
- Reluctant participants
 - Lack time or enthusiasm
 - But may have needed expertise or political clout



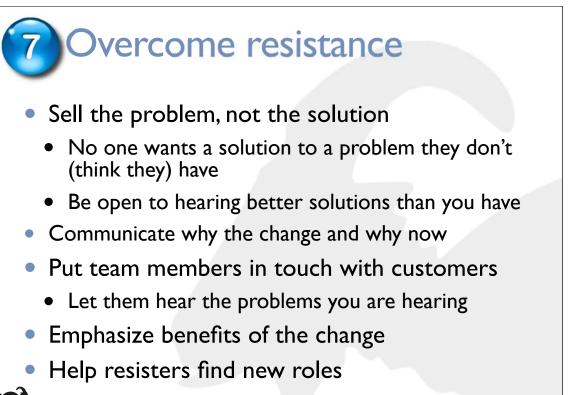
⁶Start development with a beachhead team

- Cannot start effectively if focus is spread too thin
- Give them the early infrastructural tasks
- Their goal is to build enough of and the right parts of the system so that other teams can be added

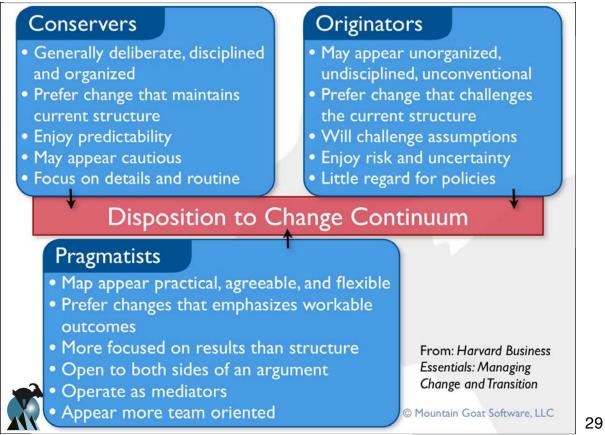


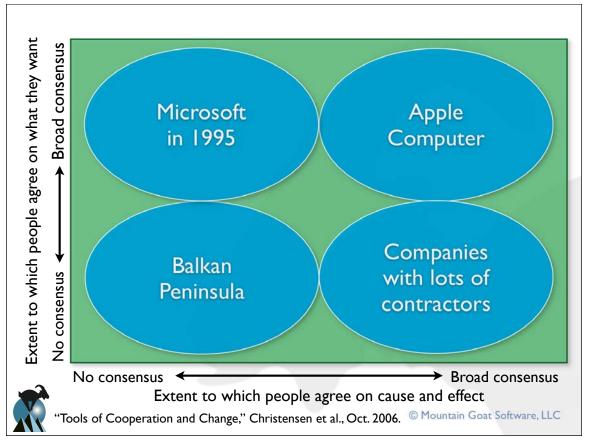
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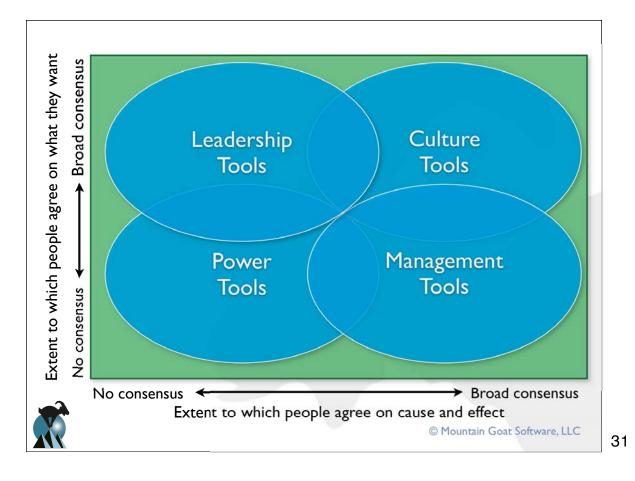


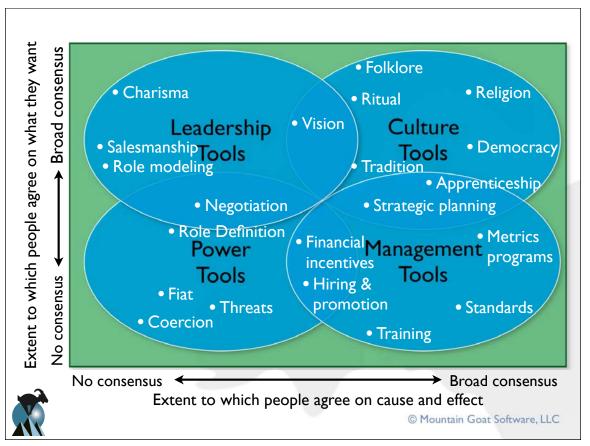


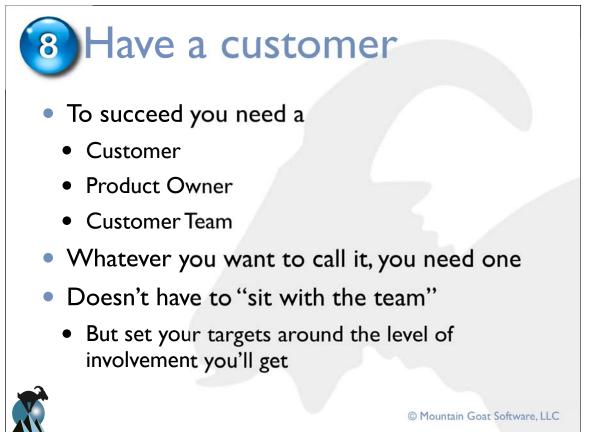




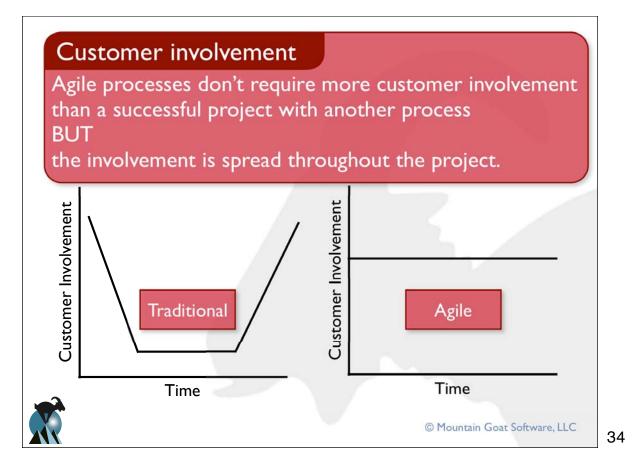












Engage the change agents

Change agents...

- help others see problems and address them
- articulate the need for a change
- are accepted as trustworthy and competent
- can see and diagnose problems
- motivate people to change
- work through others to translate intent into action

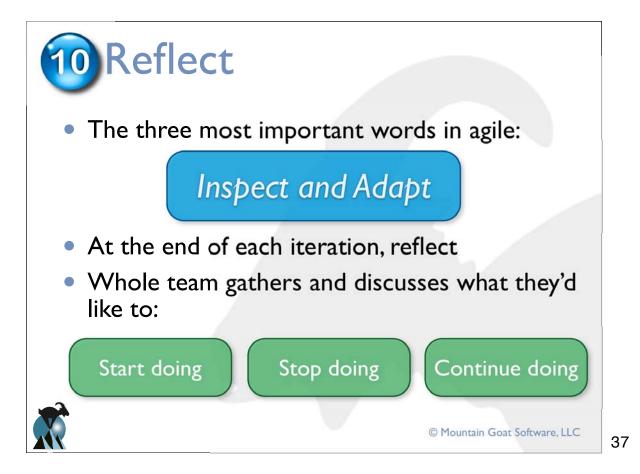


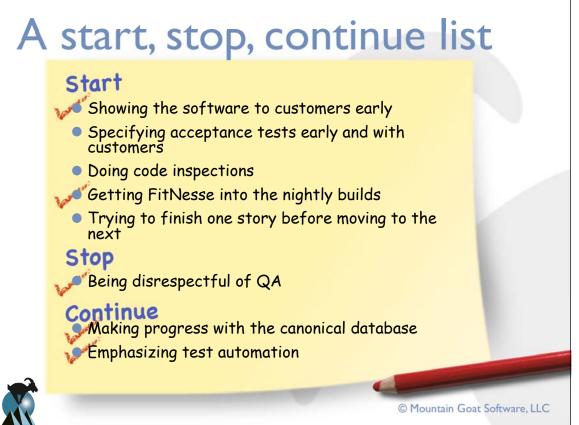
Identifying change agents

- Find out who people listen to
 - These may not be people with formal authority
- Look for people who think differently
 - Change agents aren't satisfied with the status quo
- Consider new employees or others who may not be infected with a common mindset yet
- Consider people with different backgrounds
 - The programmer with the art history degree

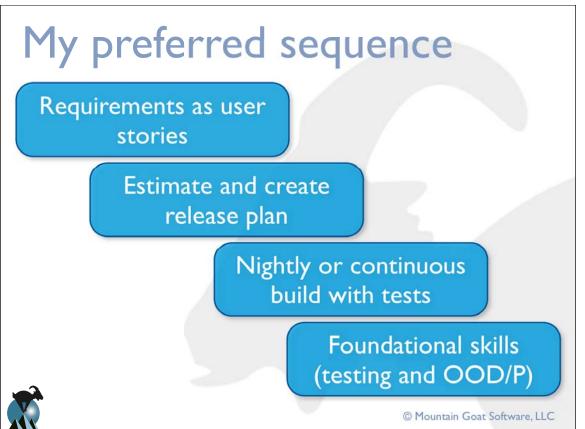


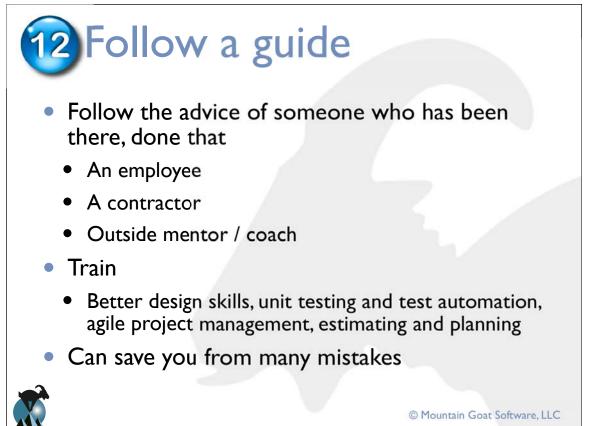
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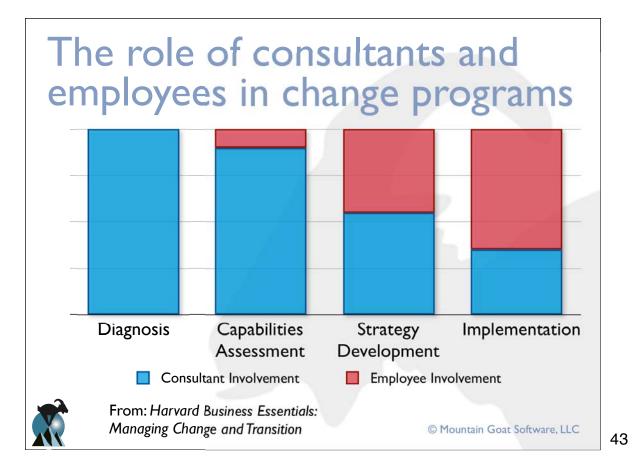








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Upcoming public classes

Date	What	Where
April 10–11 April 12	Certified ScrumMaster Agile Estimating and Planning	Santa Clara, CA
May 30-31	Certified Scrum Product Owner (with Ken Schwaber)	Boston, MA
June 11-12 June 13	Certified ScrumMaster Agile Estimating and Planning	Dallas
Jul 31-Aug 1 August 2	Certified ScrumMaster Agile Estimating and Planning	Denver, CO
Sept -12 Sept 3	Certified ScrumMaster Agile Estimating and Planning	Orlando, FL
Other classes	in London, Stockholm, and Oslo if you're	up for a longer trip.
	Register at	



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