

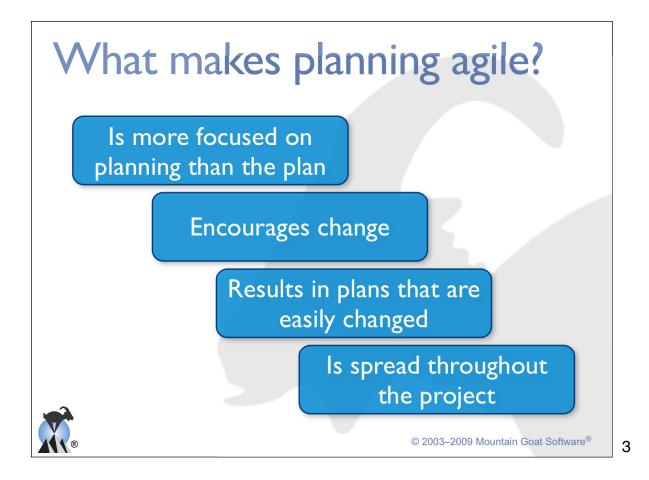
## What's a good plan?

- A good plan is one that supports reliable decision-making
- Will go from
  - We'll be done in the third quarter
  - We'll be done in August
  - We'll be done August 18th

"It's better to be roughly right than precisely wrong."

~John Maynard Keynes

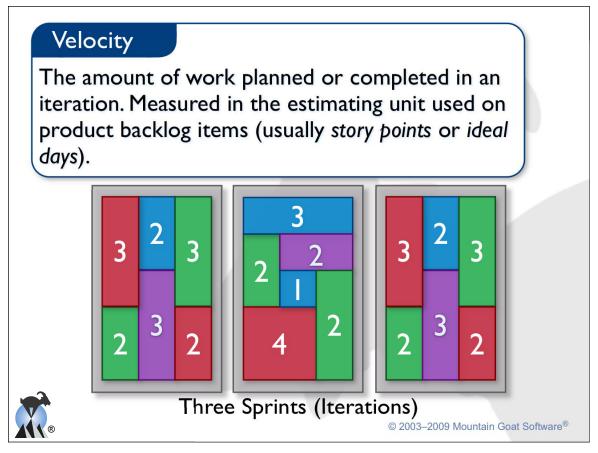


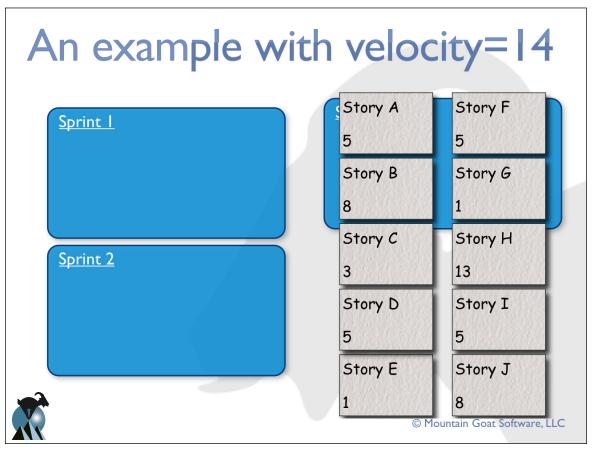


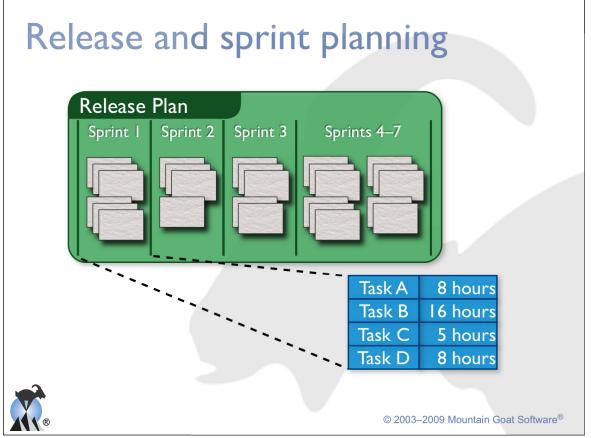
## Starting assumptions

- We have a product backlog (prioritized feature list)
- Items on the product backlog (user stories is my preference) have been estimated in story points or ideal days
- We have a team with a known velocity
  - We'll relax this assumption shortly

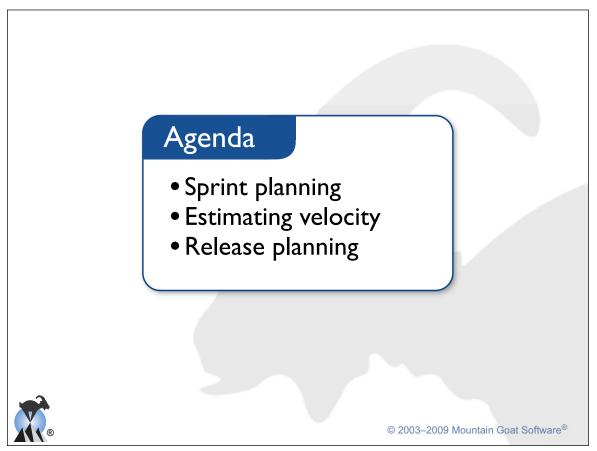




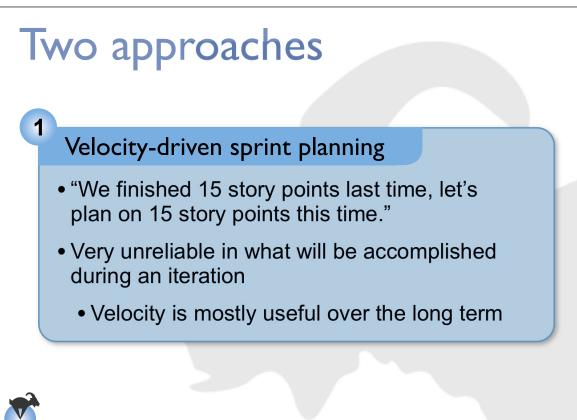




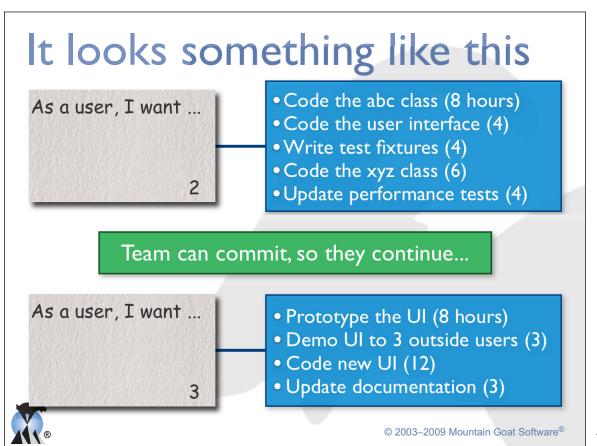


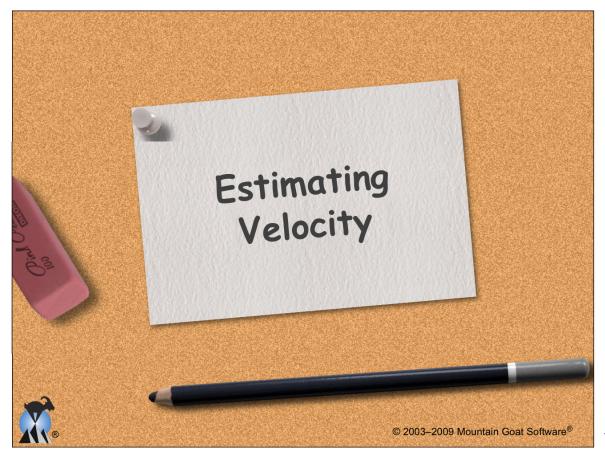


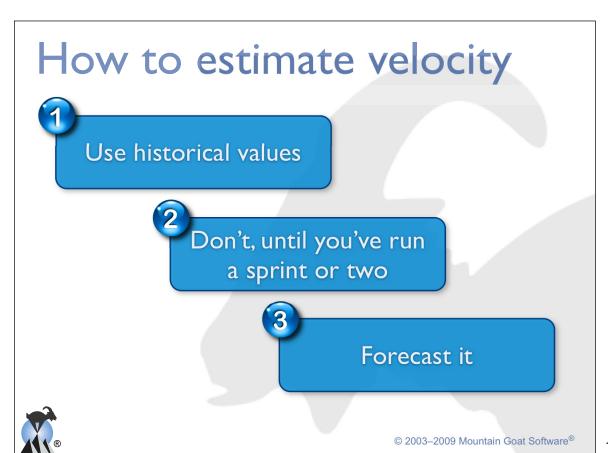


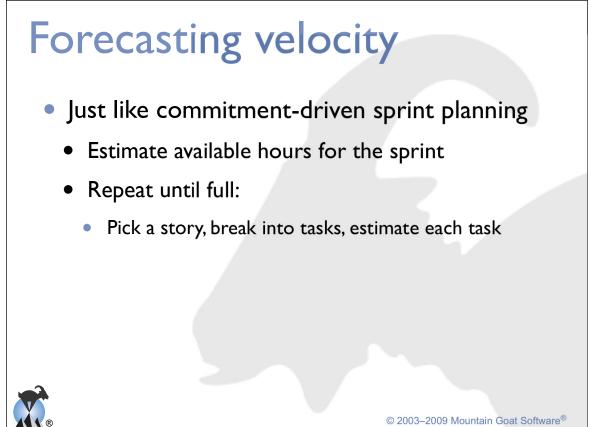






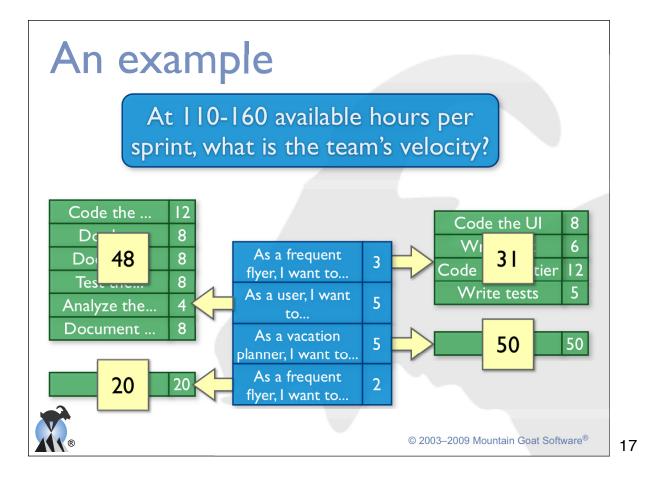






An example						
<ul> <li>Estimating available hours</li> </ul>						
	Person	Hours per Day	Hours per Sprint			
	Sergey	4-6	40-60			
	Yuri	5-7	50-70			
	Carina	2-3	20-30			
	Total		110-160			





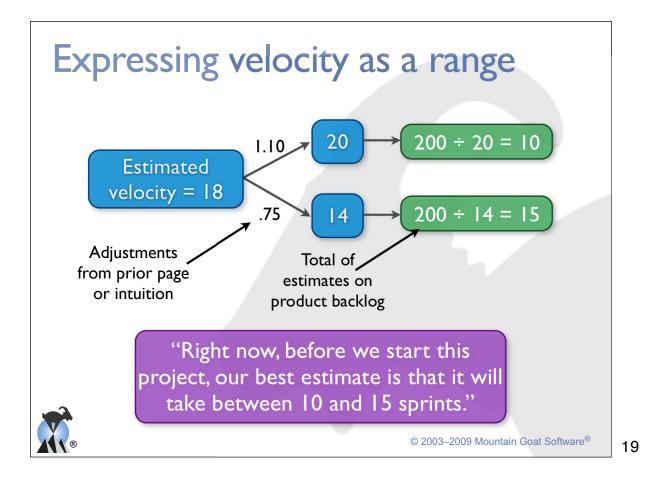
# Put a range around it

- You're unlikely to have precisely forecasted the exact velocity the team will average
- So, put a range around your velocity estimate:

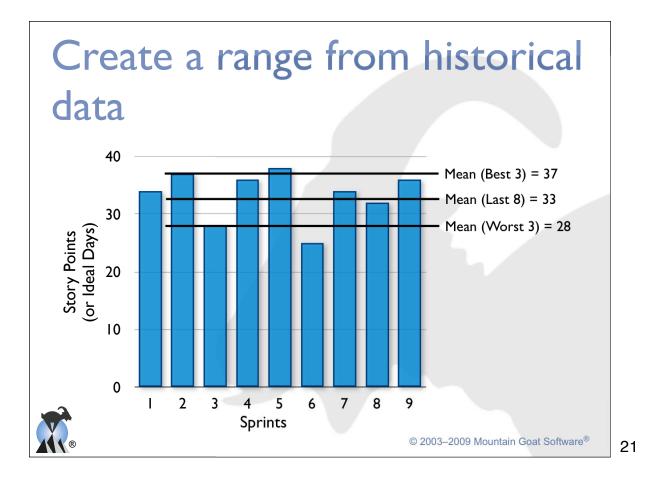
Known team, domain,	+5%
technology	-10%
¢	+10% -25%
Unknown team,	+25%
domain, technology	-50%

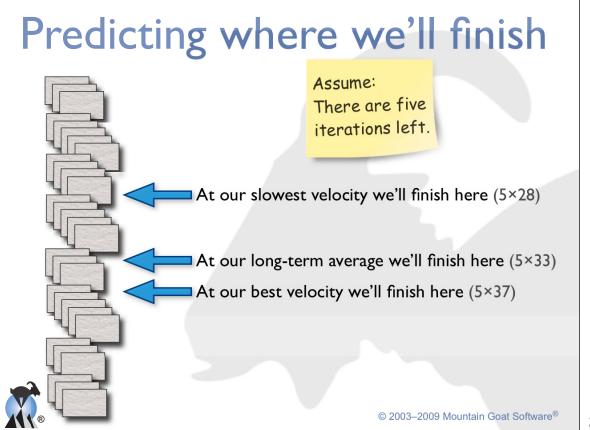
<sup>†</sup>Numbers based on PMI advice on progressive accuracy of estimates.

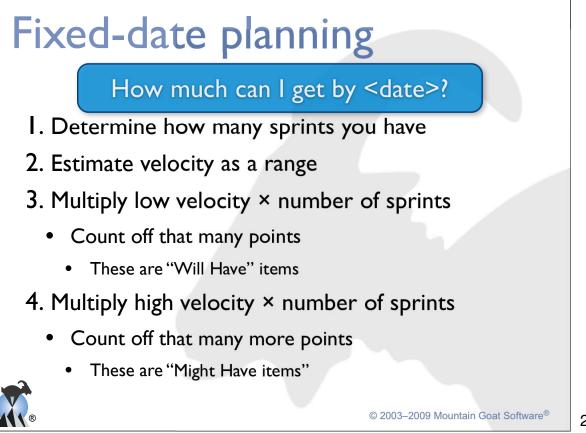
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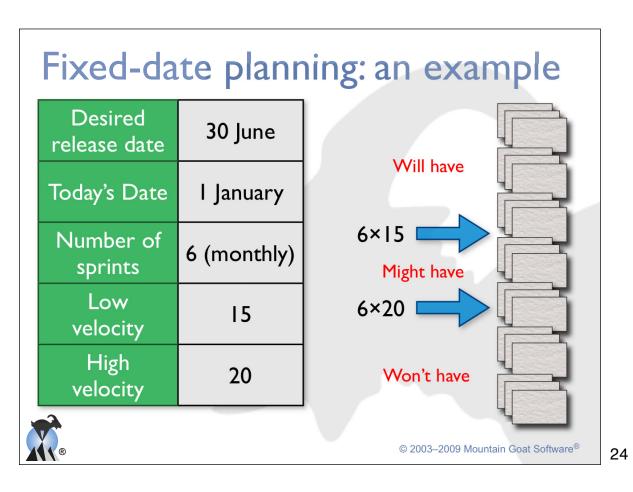


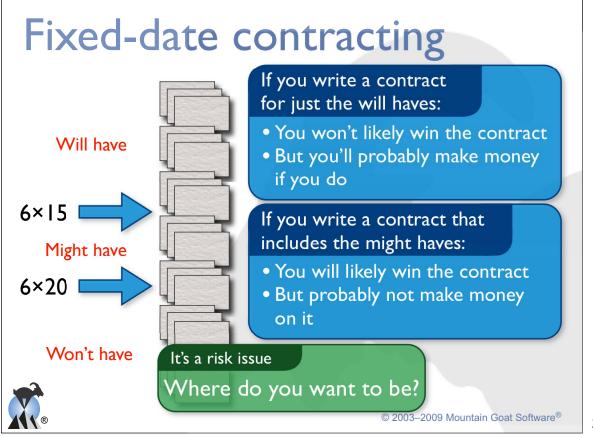


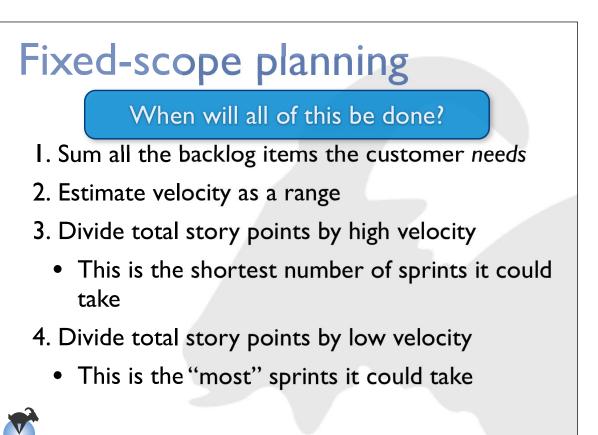




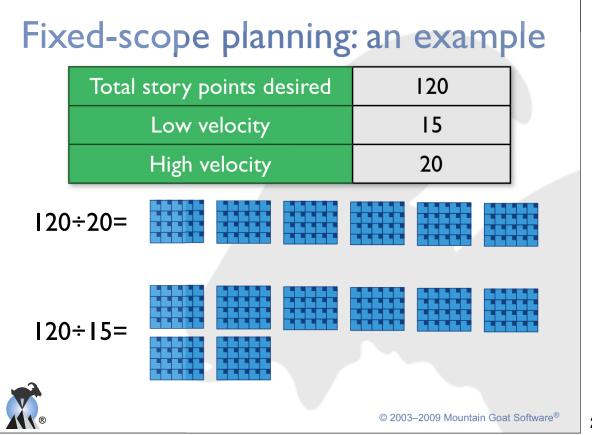


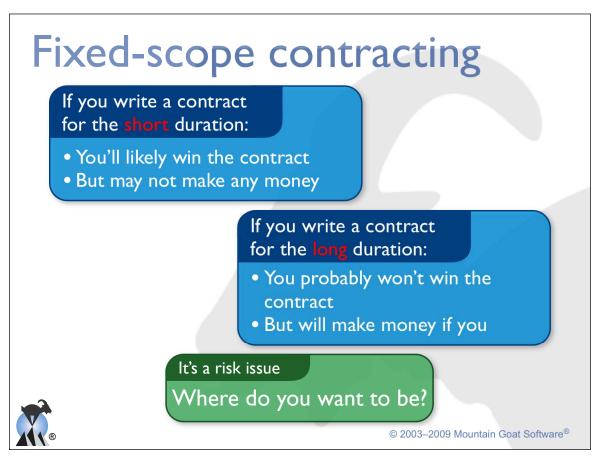










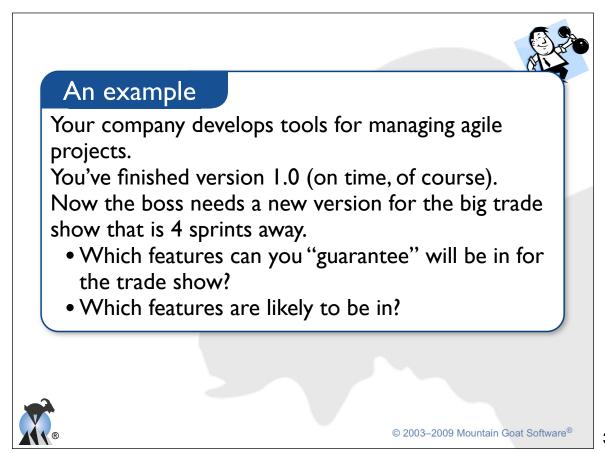


### Ranges

- Notice in both cases we had a range
- For a fixed date project, use a scope range:
  - "By that date you'll have all of these features and some of these."
- For a fixed-scope project, use a date range:
  - "It will take us between 5 and 8 sprints to deliver all of those features."



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Past velocities					
	Histo	rical Data			
	lteration number	Velocity			
	1	20			
	2	4	Your Estimates		
	3	23	Low		
	4	18	Average		
	5	25	High		
	6	30			
	7	12			
	8	22			
	9	15			
	10	23			
R			© 2003–2009 Mountain Goat Software®		

he team's estimates	(a)
Product backlog item	Estimate
As the product owner I want to drag items onto a release burndown chart and see the impact to the release date.	20
As a user at a company with lots of cash, I want your product to support touch screens so I can put a large one in our team room.	t I3
As a user I would like performance to be about twice as fast as now during peak use periods.	20
As a team member, I'd like to be able to do online planning poker estimating right inside the tool.	13
As a third party, I would like an SOA interface so that I can integrate my product with yours.	8
As a team member I want RSS support for all changes to tasks or user stories so that I'm notified.	8
As the product downer, I want a new report that shows differences in the product backlog between different time periods.	3
As a team member I'd like to define templates of tasks that recur for lot of different stories so that I can reuse them	s  3

Upcoming classes in Oslo				
	Date	What		
	22–23 June	Certified Scrum Product Owner		
	24–25 June	Certified ScrumMaster		
	12–14 October	Certified ScrumMaster (three-day)		
	15–16 October	Certified Scrum Product Owner		
	18–20 January	Certified ScrumMaster (three-day)		
	21–22 January	Certified Scrum Product Owner		
Information and registration at www.programutvikling.no				
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