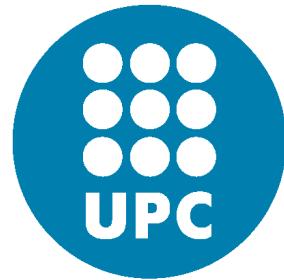
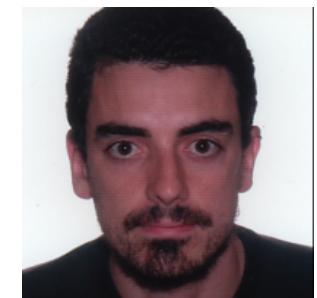


Agile Software Development

Jordi Pradel @agile_jordi



About me: Jordi Pradel



Founder of agilogy
(since 2005)



Part time professor at UPC
(since 2005)



Organizer of ScalaBCN meetup
(since 2012)



Friend of agile barcelona

- **What does agile mean?**
- Where is it being used?
- Agile project management in a nutshell

Agile SW development... why?

- Low predictability
 - Requirements are not clear enough
 - Continuous requirements changes
 - Estimations are imprecise
- Too much time from idea to product
- What does provide value to the customer?
 - Chaos03: 64% of the developed functionality is almost never used
- Real progress visibility
 - 100% requirements gathered + 80% analysis done = ?

Agile software development manifesto

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.

Twelve principles

1. Satisfy the customer
2. Welcome changing requirements
3. Deliver working software frequently
4. Business people and developers work together
5. Motivated individuals
6. Face-to-face conversations
7. Working software is the primary measure of progress
8. Sustainable development
9. Continuous attention to technical excellence
10. Simplicity
11. Self-organizing teams
12. Continuous reflection and adjustment

Values

- Simplicity
- Communication
- Feedback
- Respect
- Courage
- Transparency

- What does agile mean?
- **Where is it being used?**
- Agile Project Management in a nutshell



PERCENTAGE OF PROJECTS USING AGILE

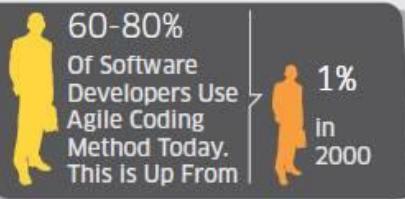
52%

Over 1/2 of respondents said they are using agile to manage the majority of their projects.

88% YES **12%** No

Agile Alert

Agile Acceleration

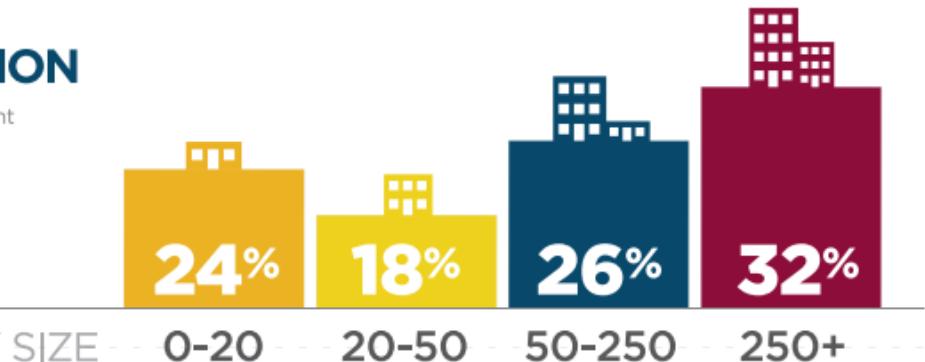


The higher traction is because Agile offers....

- Improved quality
- More opportunities for mid-course corrections
- Improved customer or business satisfaction
- Better alignment between business & IT
- Improved time to market

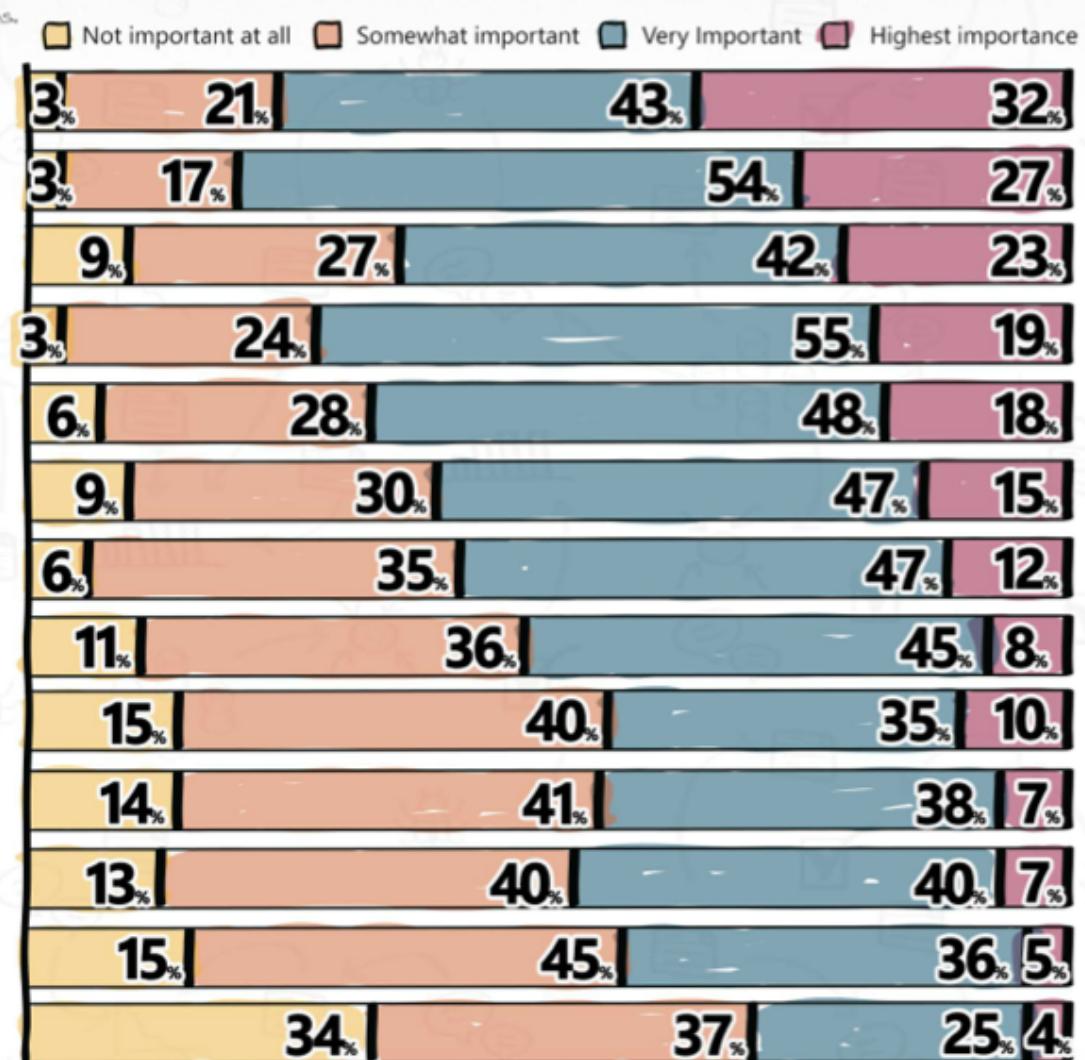
AGILE ADOPTION

The median size of development organizations was 80.

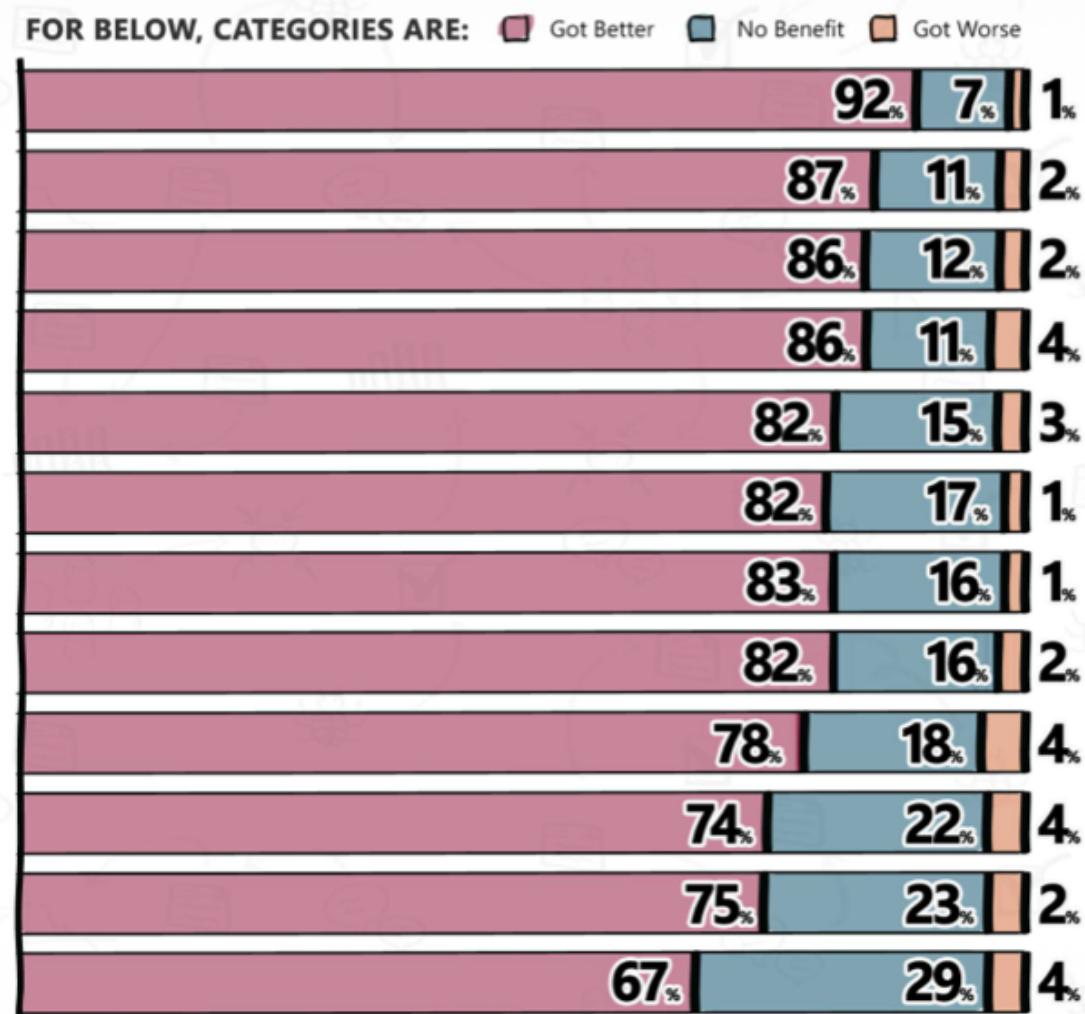


Why oh why?

*Respondents were able to select multiple options.



Why oh why?



Internet



Media y telecos



Software y Hardware



ERP



Banca e Inversión



Sanidad y Salud



Defensa y aeroespacial



Juegos



Otros

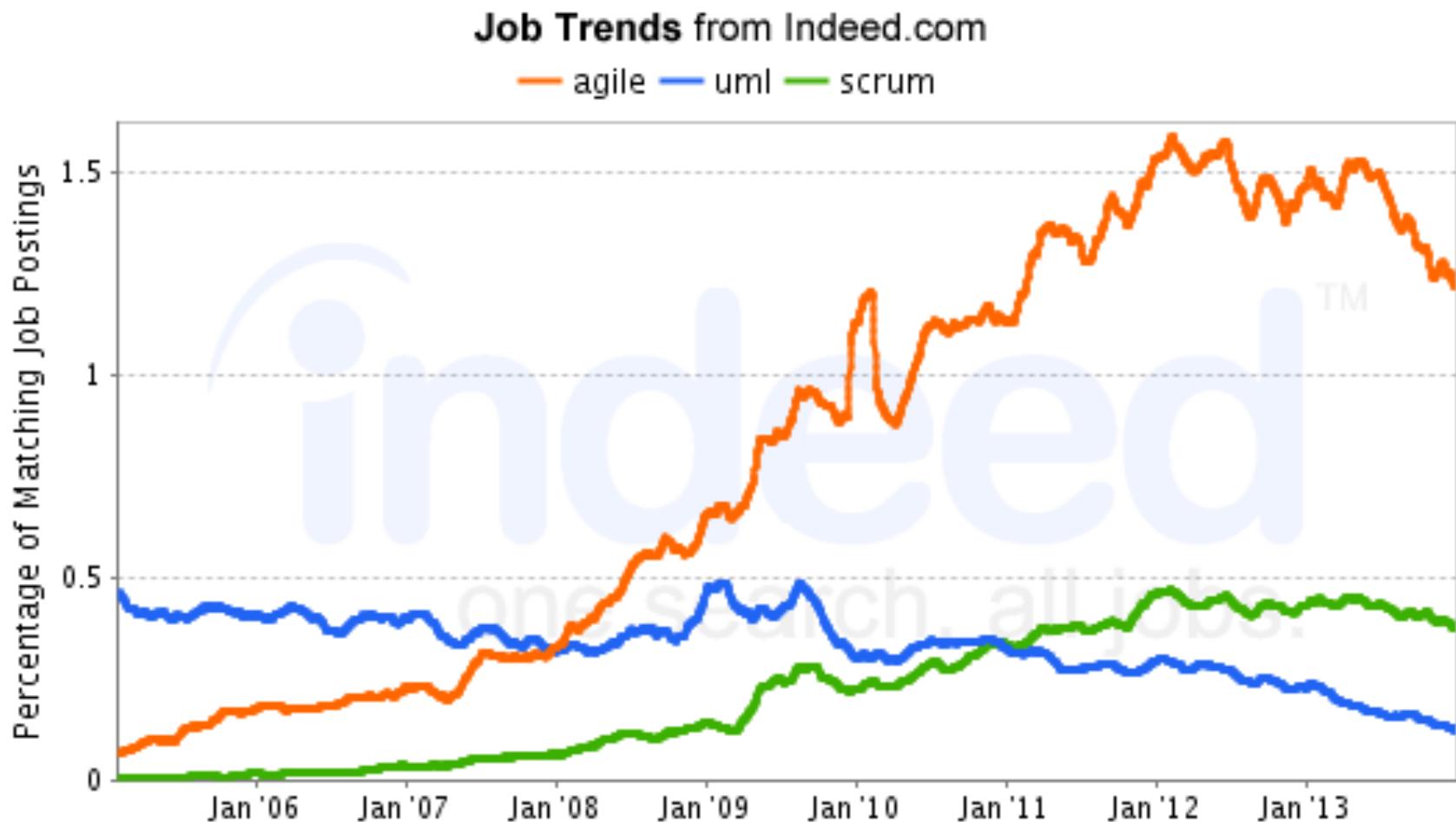


The lean startup



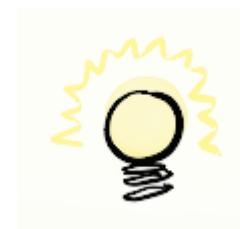
(c) Eric Ries, font: www.theleanstartup.com

Job trends

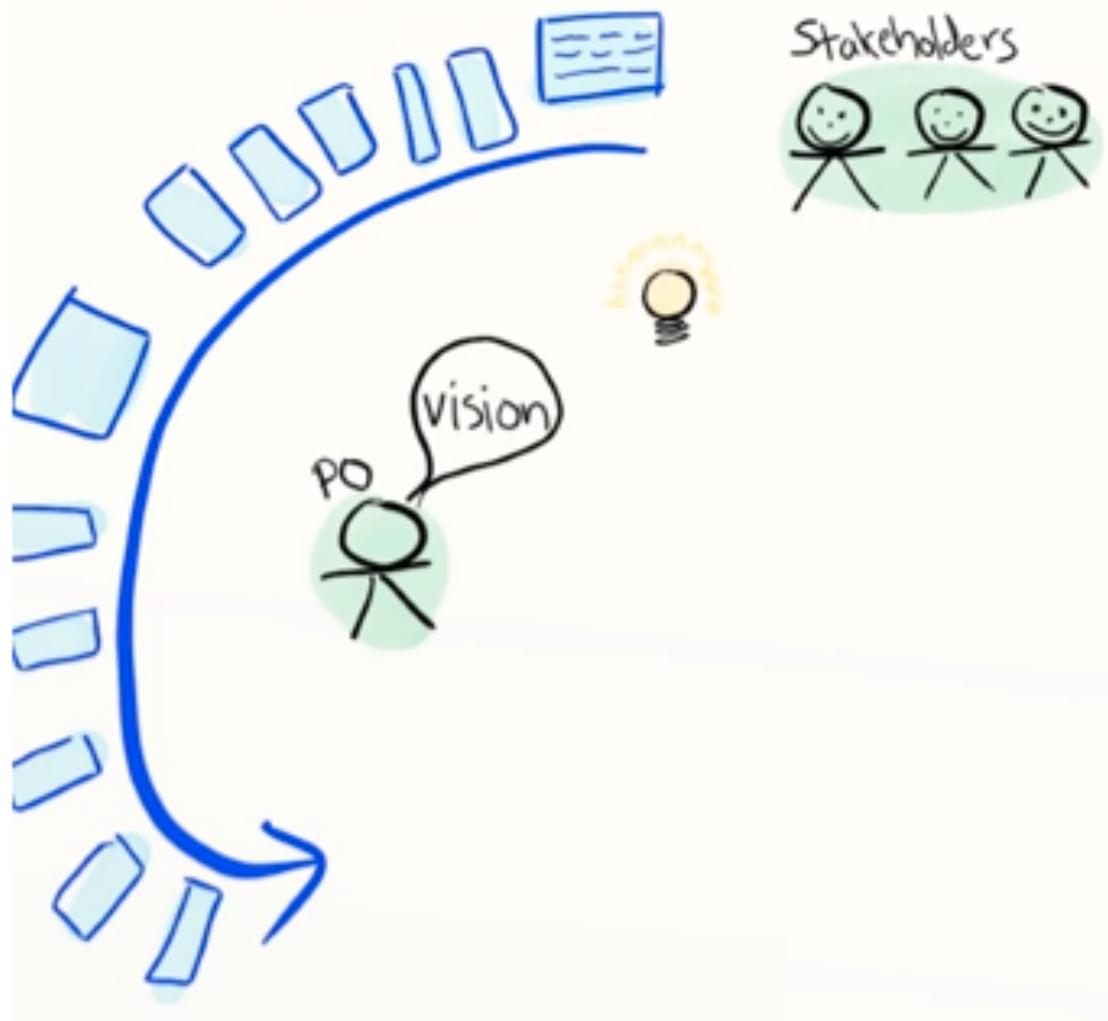


- What does agile mean?
- Where is it being used?
- **Agile Project Management in a nutshell**

I had a ~~dream~~ vision...



User Stories



User stories

**As a <user type>
I want/need/can <some functionality>
so that <reason/goal>**

As a frequent flyer, I want to rebook a past trip so that I save time booking trips I take often.

As a vacation traveller I want to see photos of the hotels

Acceptance criteria

As a user I can cancel a reservation

- [] Verify that a premium member can cancel the same day without a fee
- [] Verify that a non-premium member is charged 10% for a same-day cancellation
- [] Verify that an email confirmation is sent

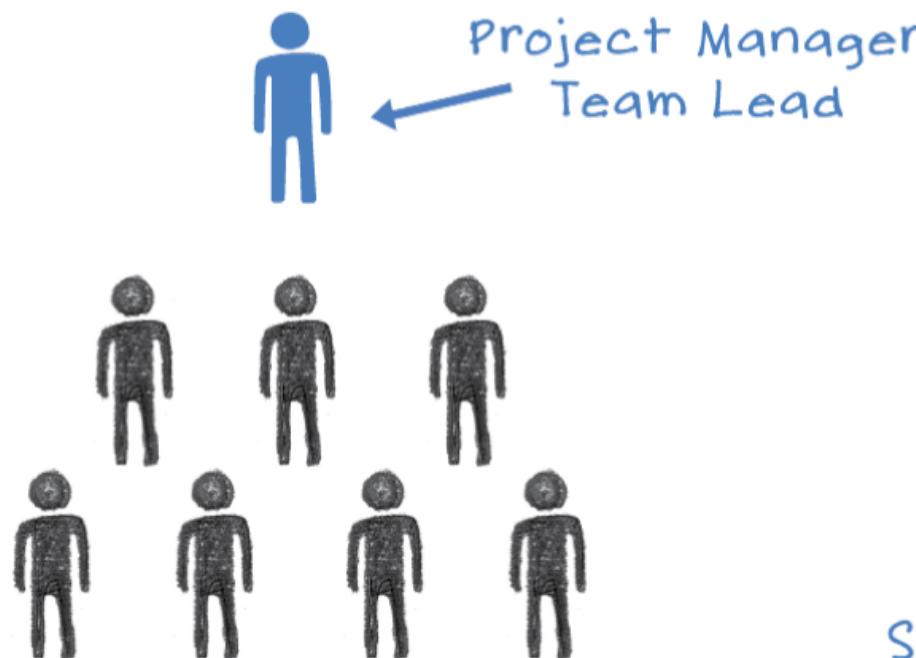
The team

- Small
- Co-located
- Self-organized

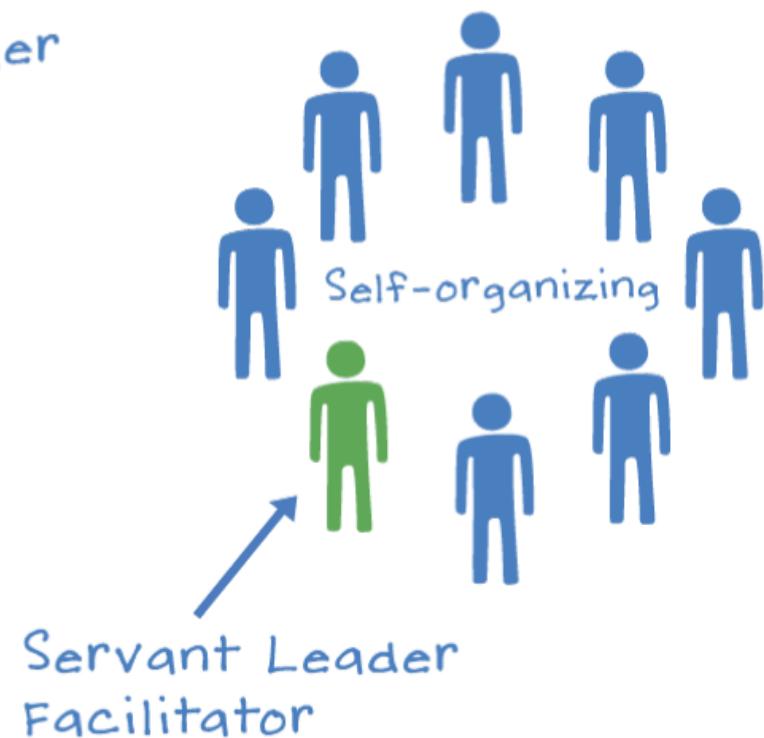


The team

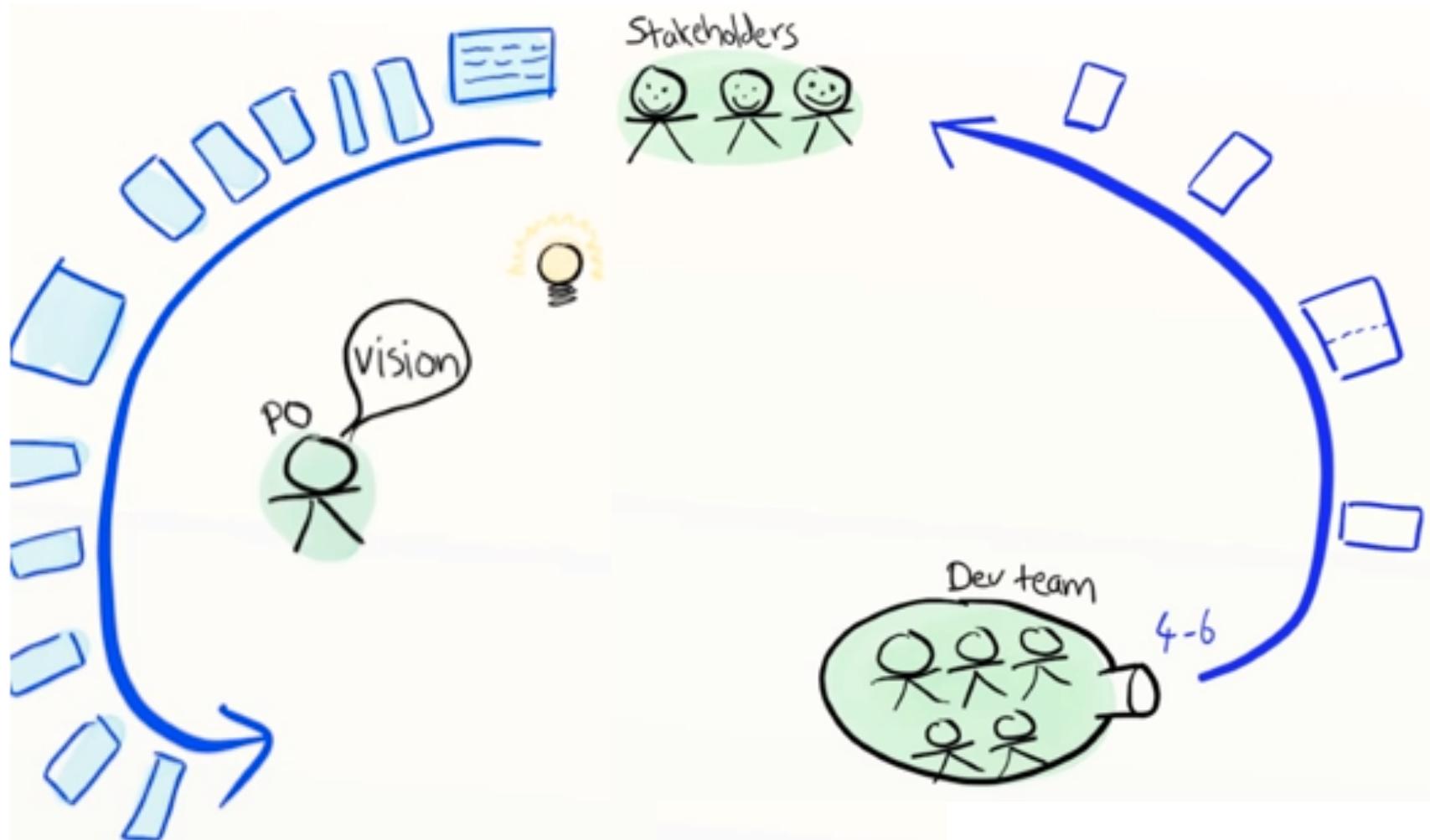
Traditional Teams



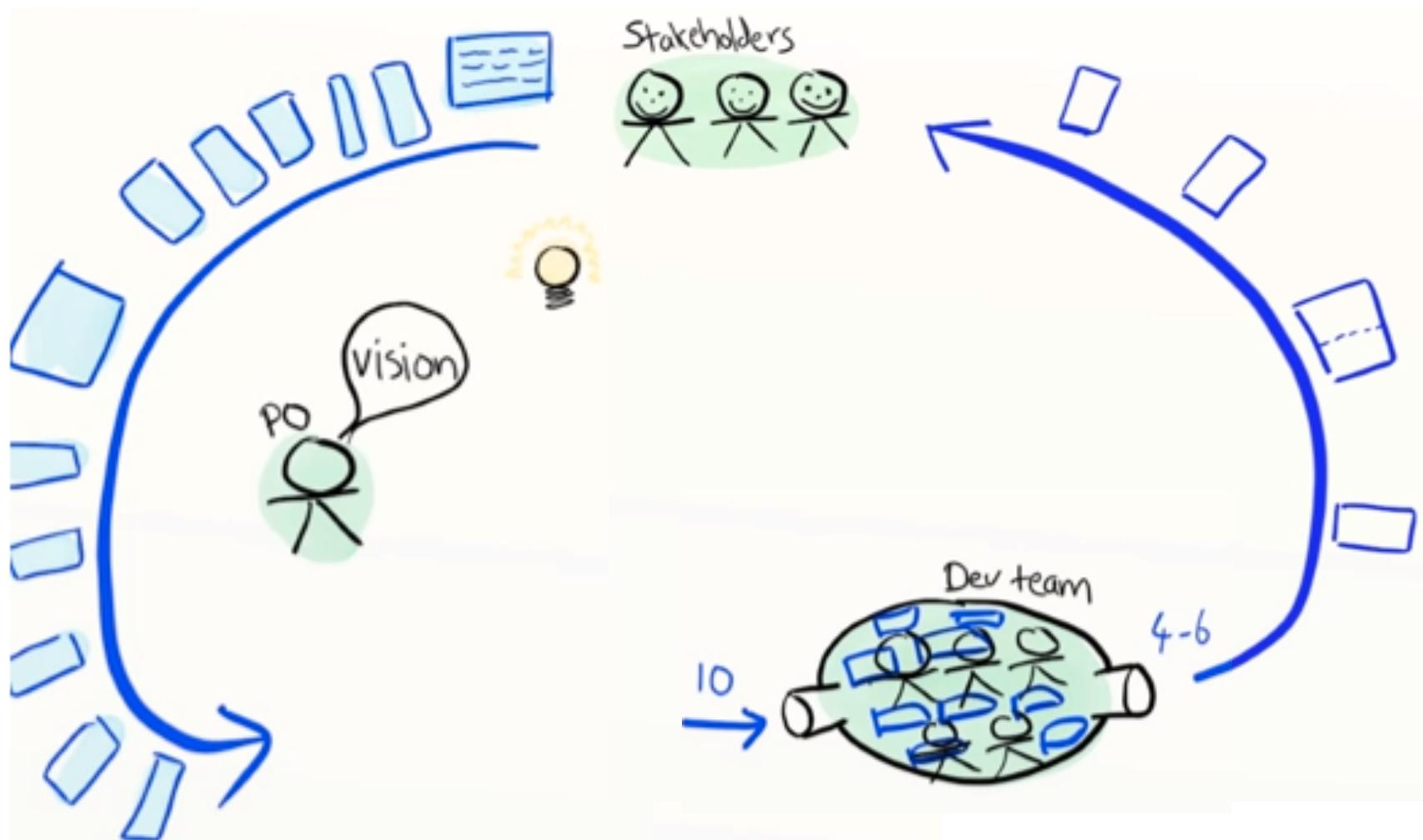
Agile Teams



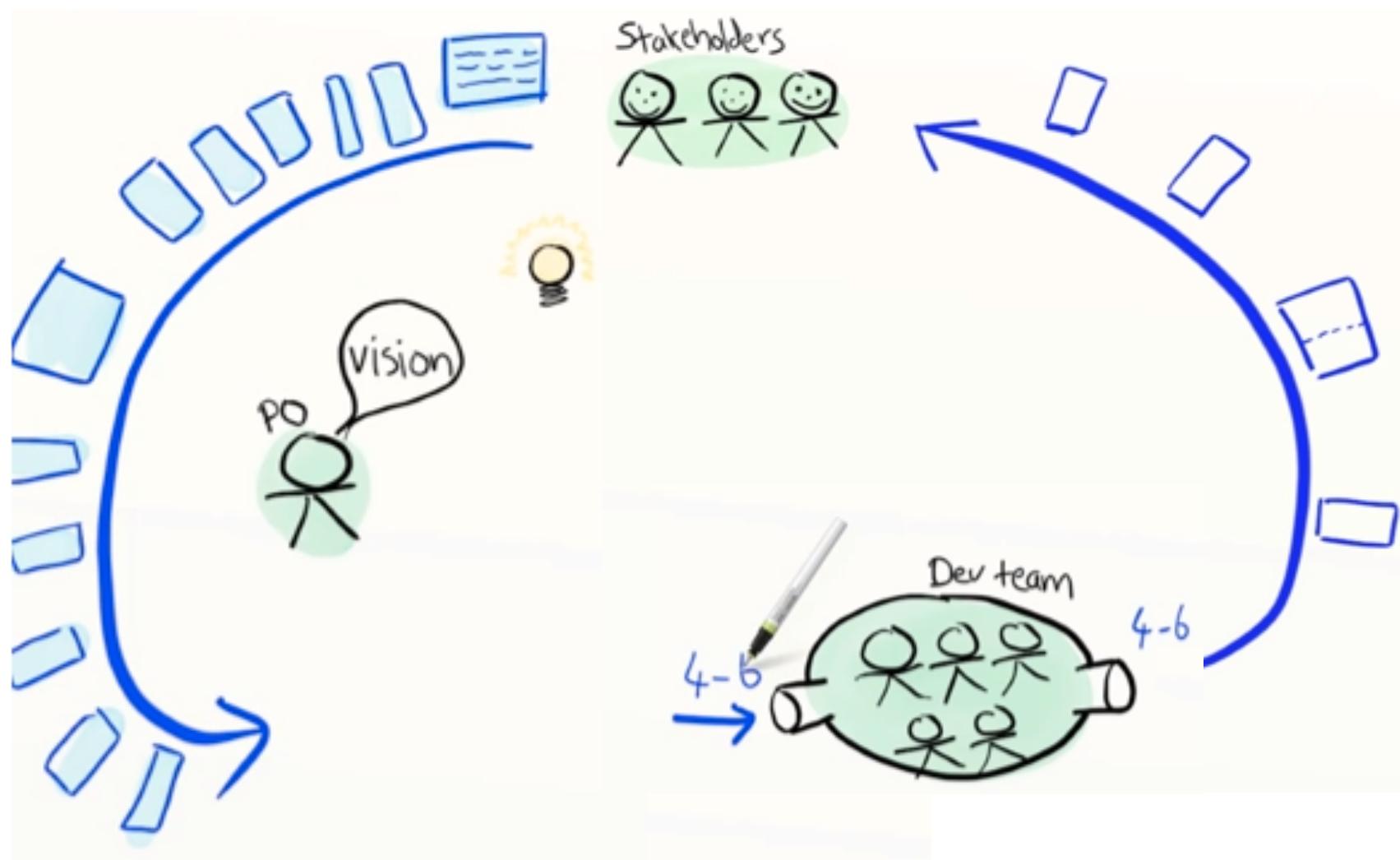
Release early and often



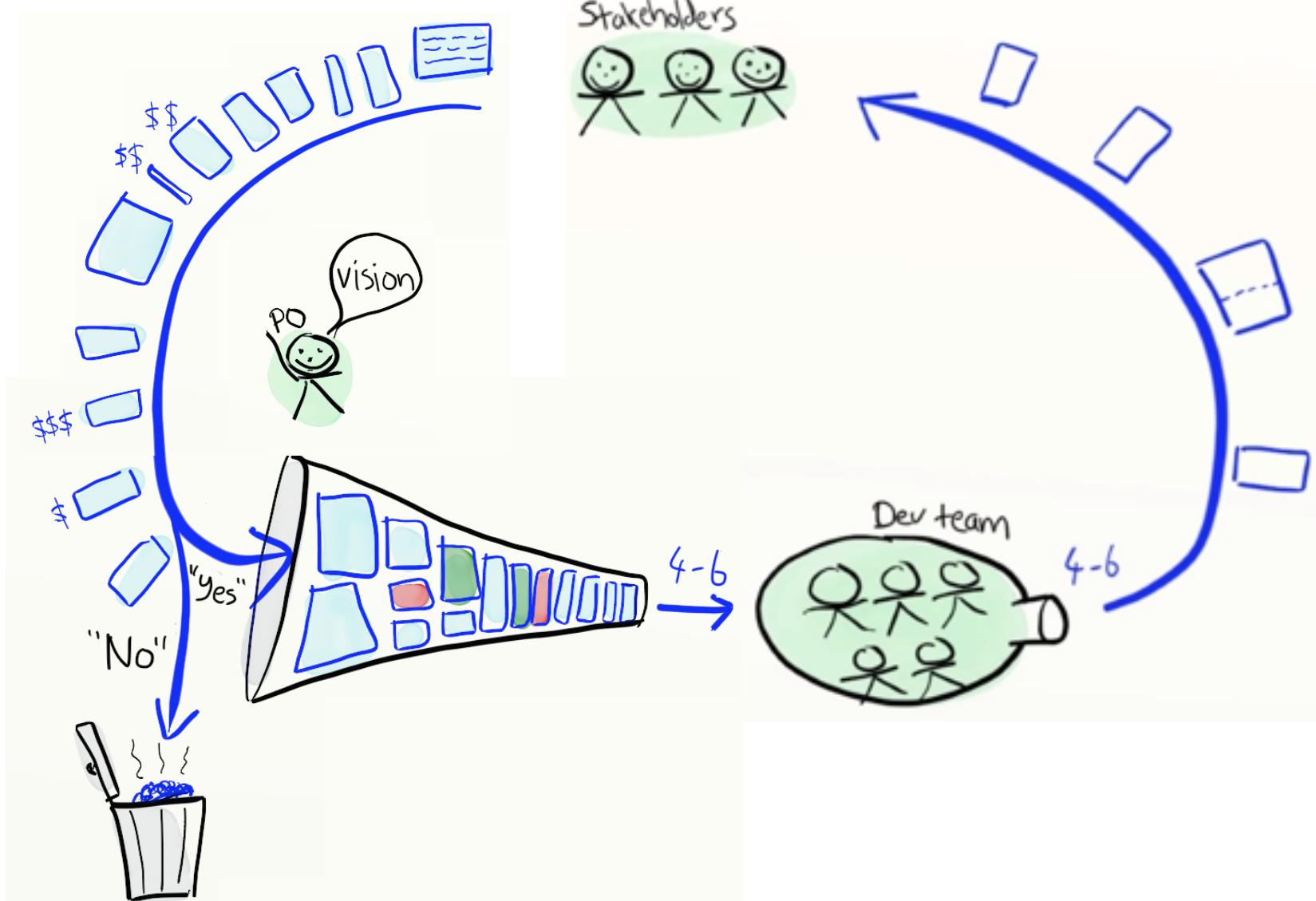
Overload??



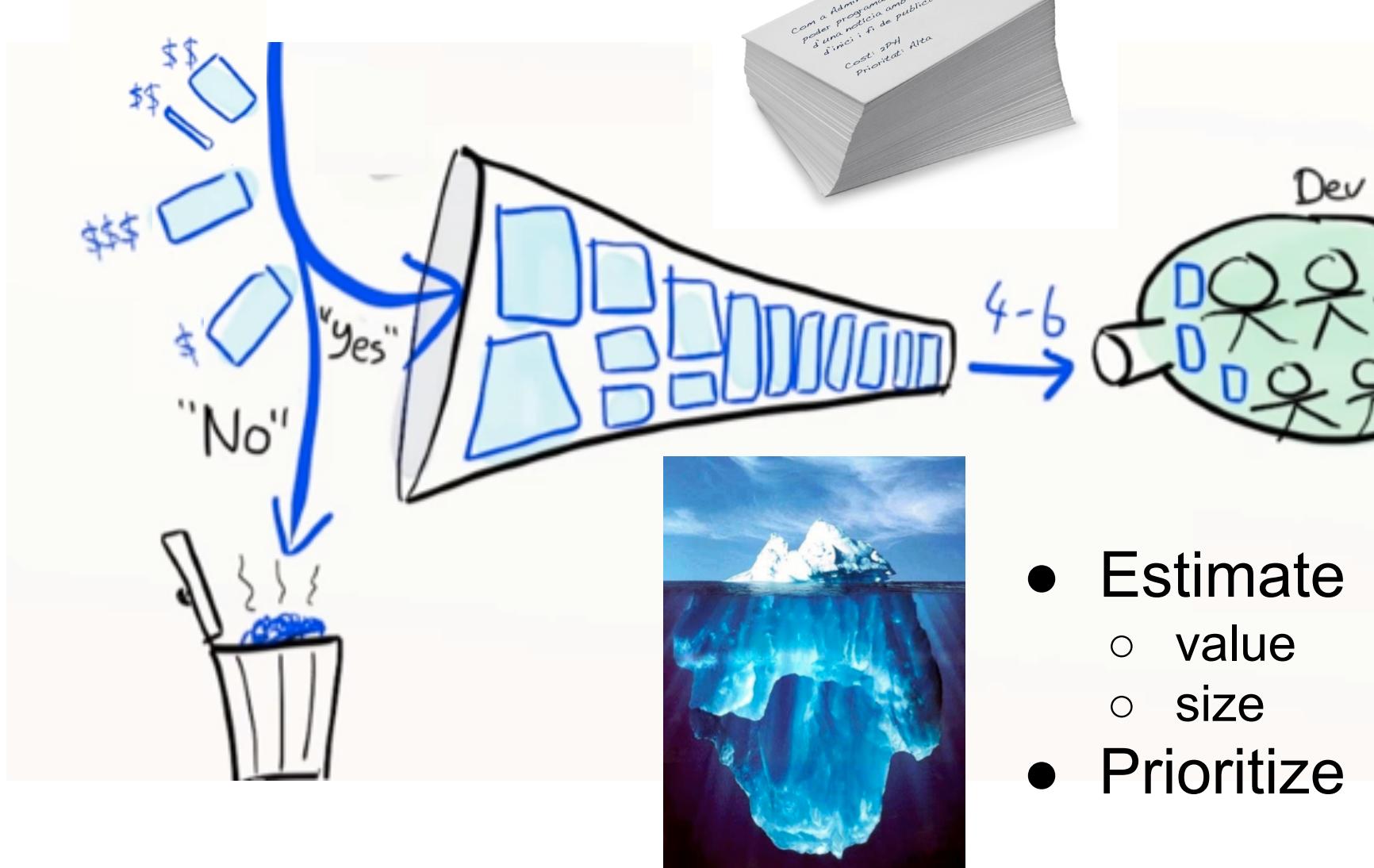
Overload??



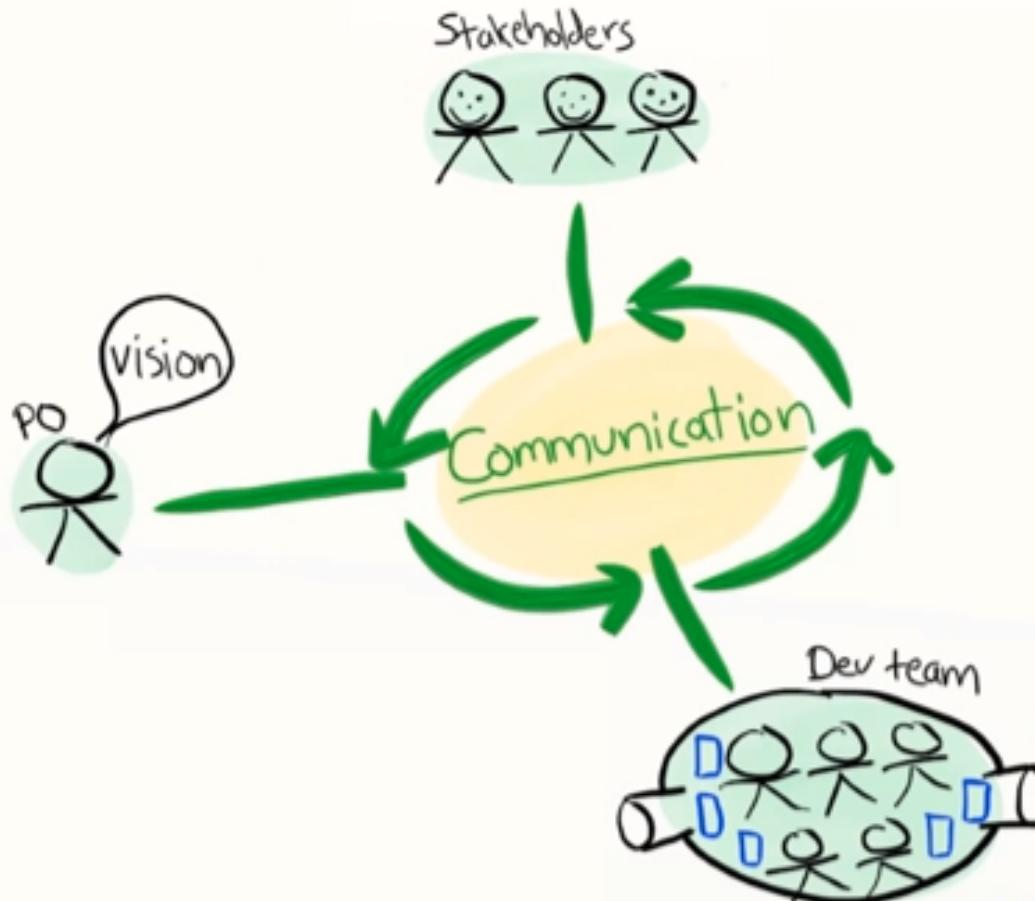
Prioritize!



Product Backlog

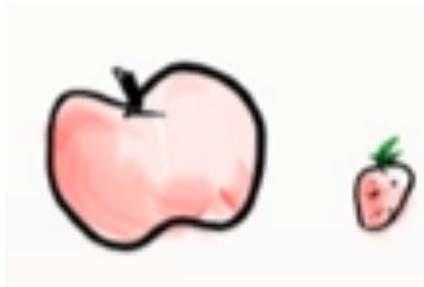


Estimations (size and value) are collaborative

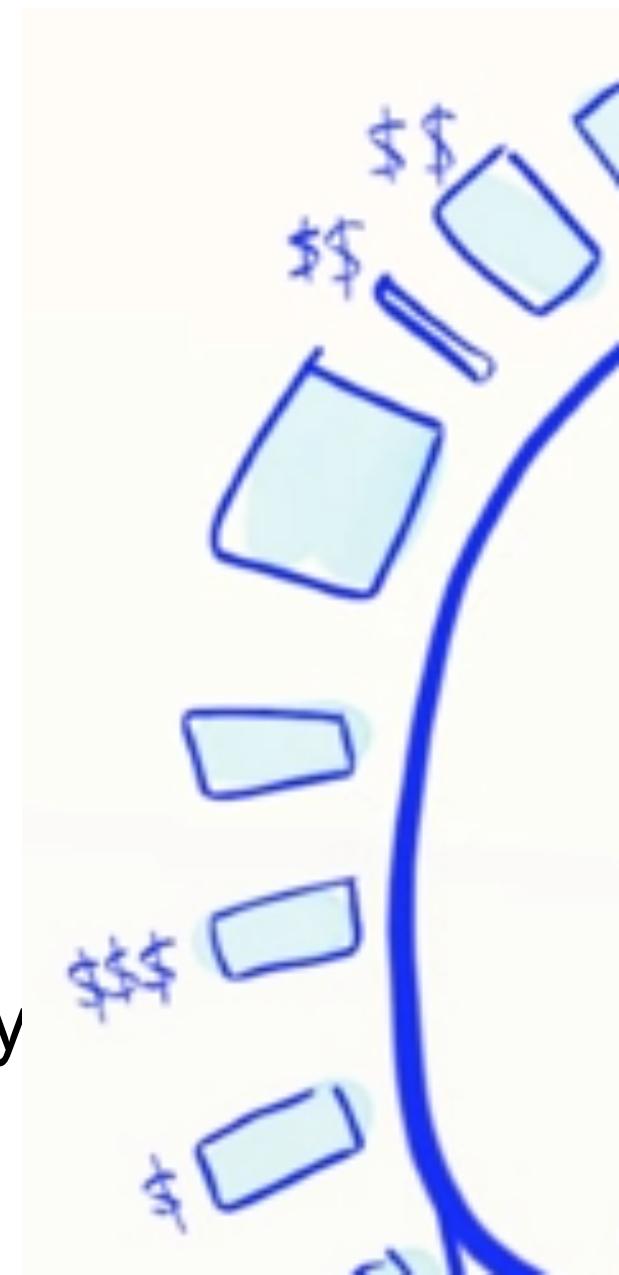


Priorization

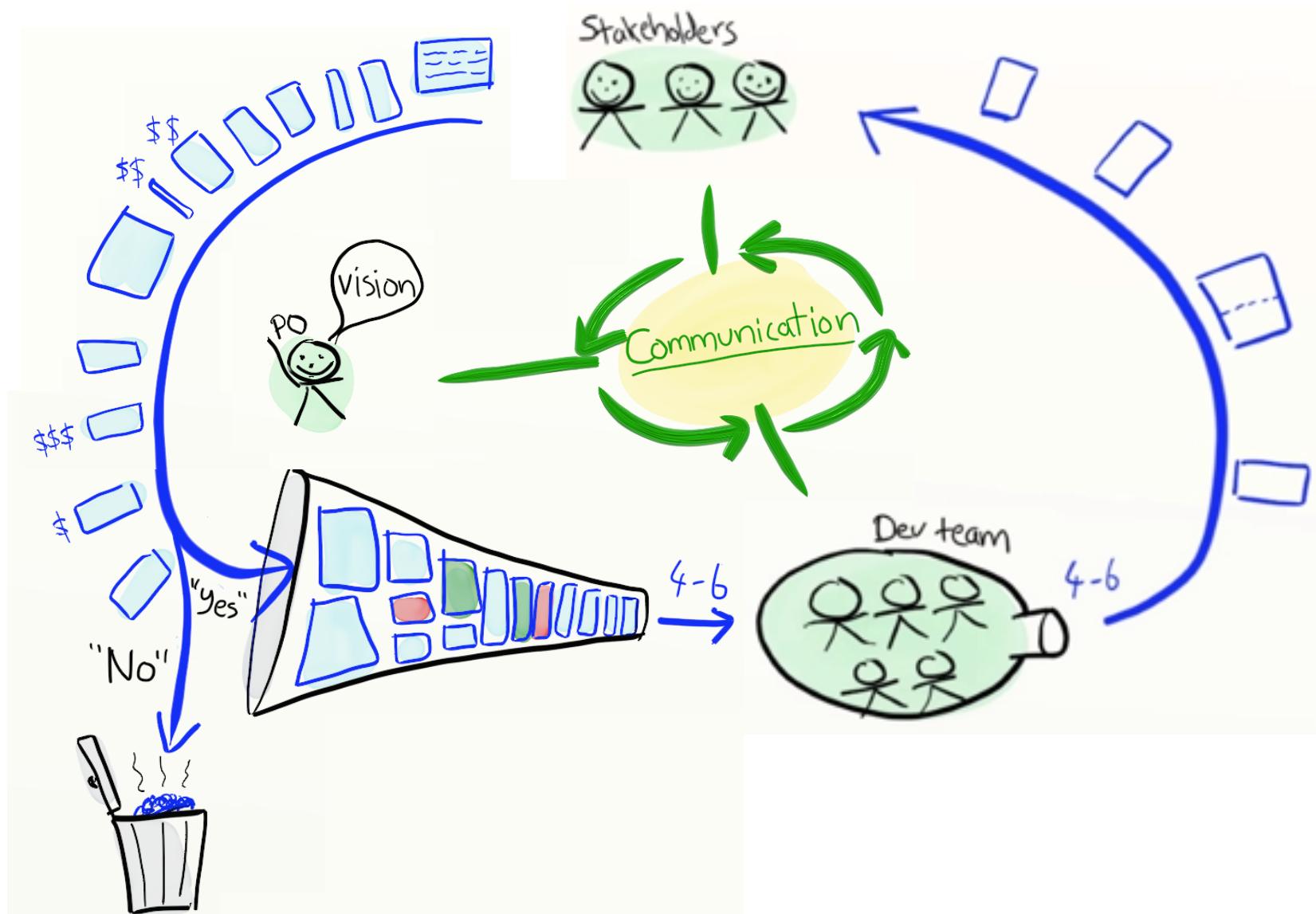
- Size
- Value



- Which one tastes better?
- How many times the strawberry weight?

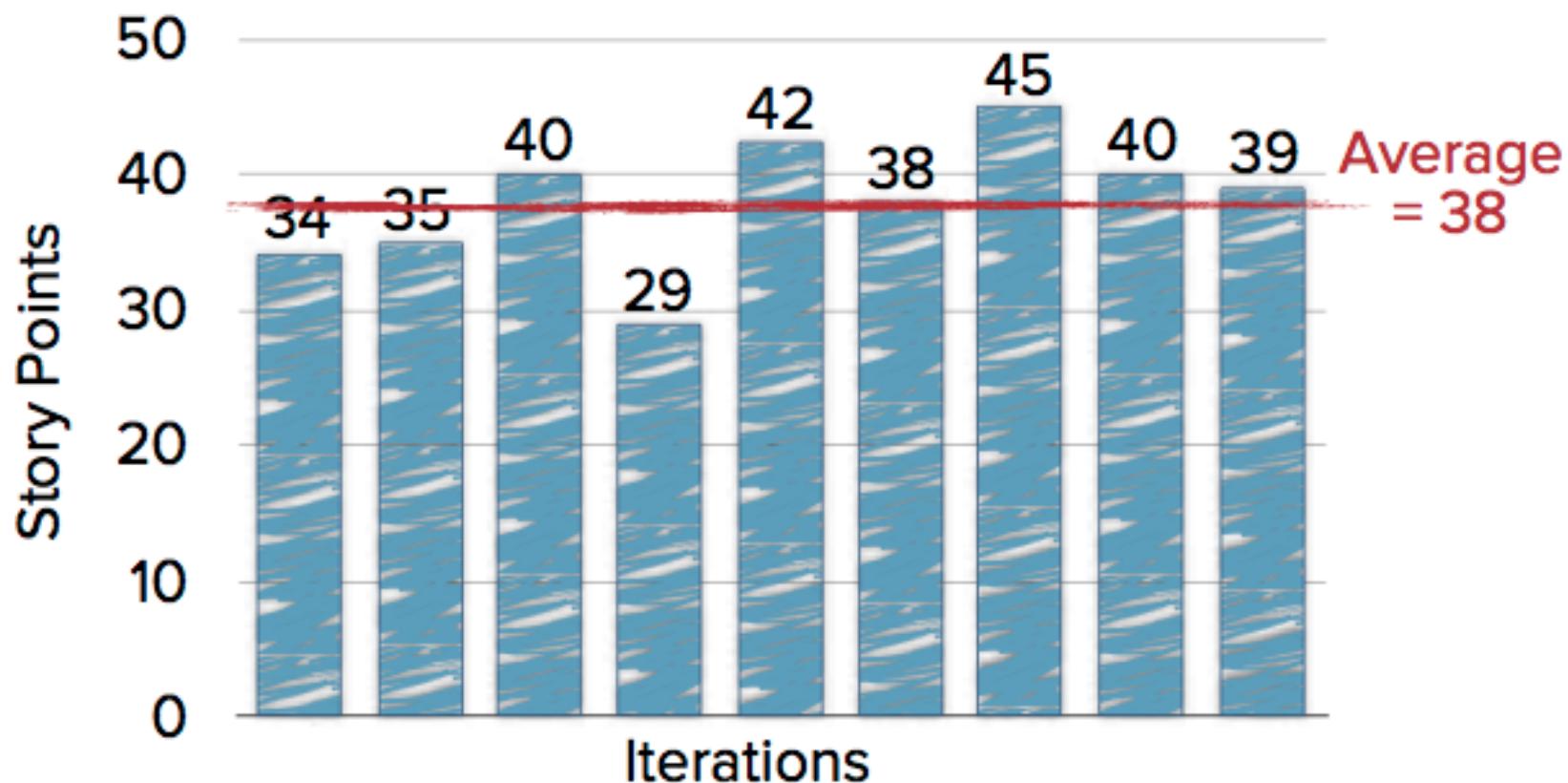


The full picture

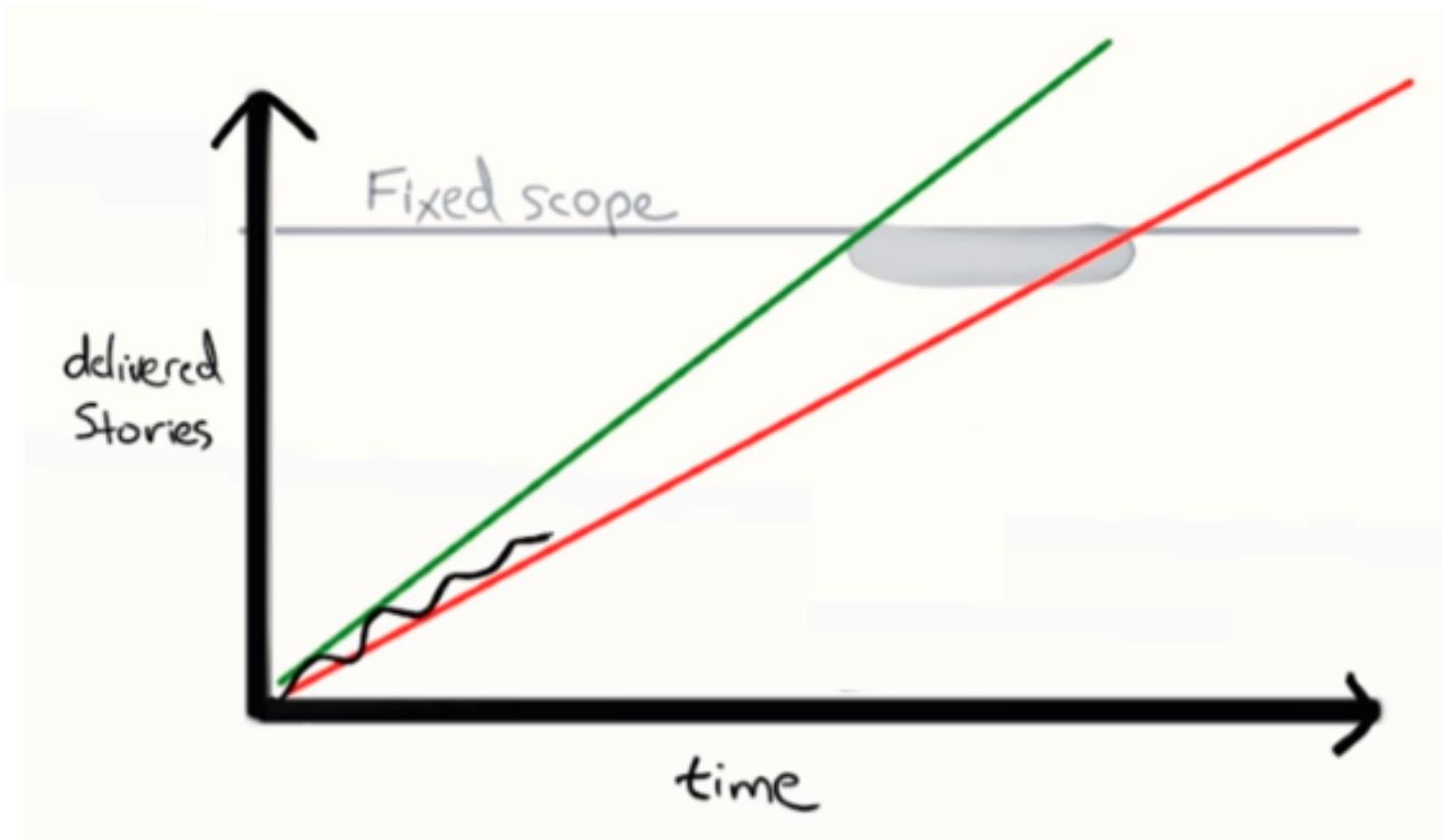




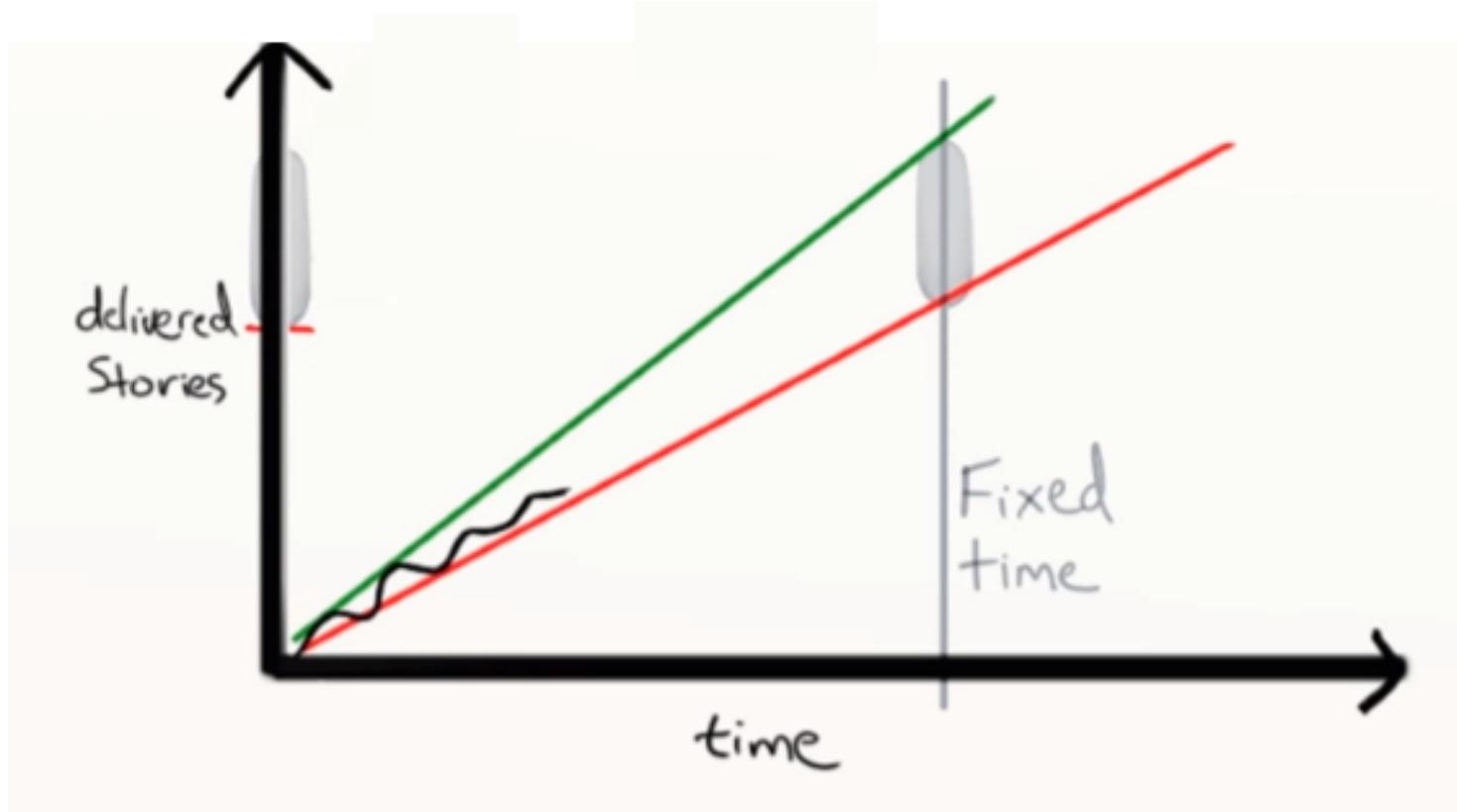
Forecasts with real data



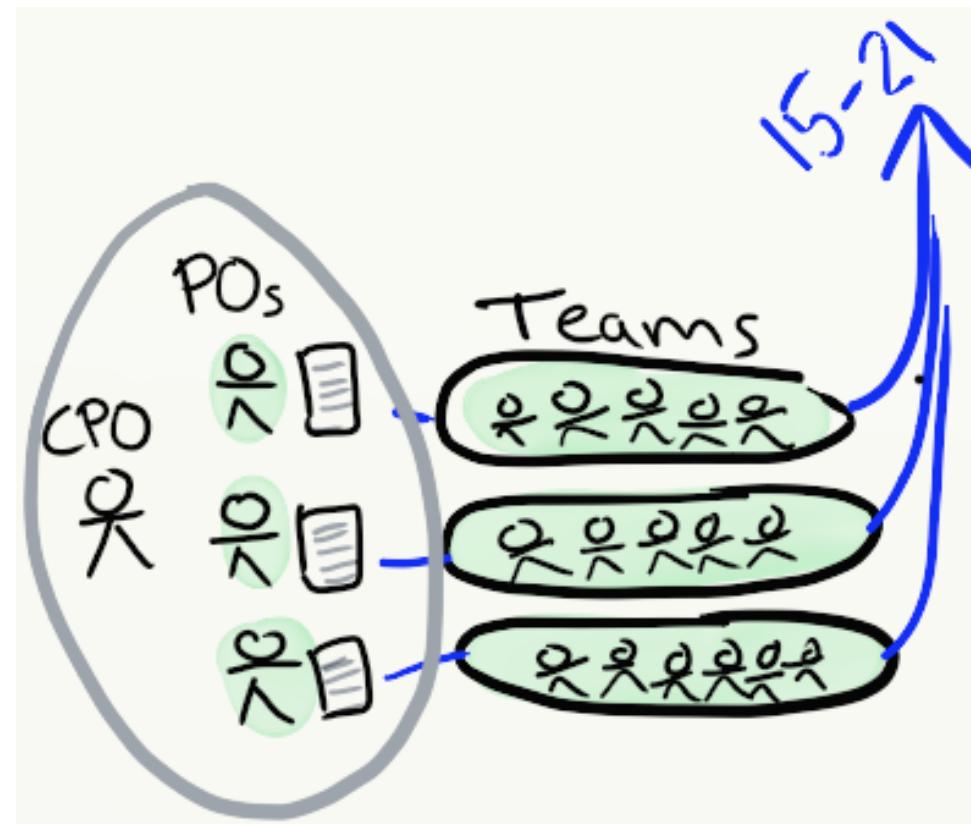
Forecasts with real data



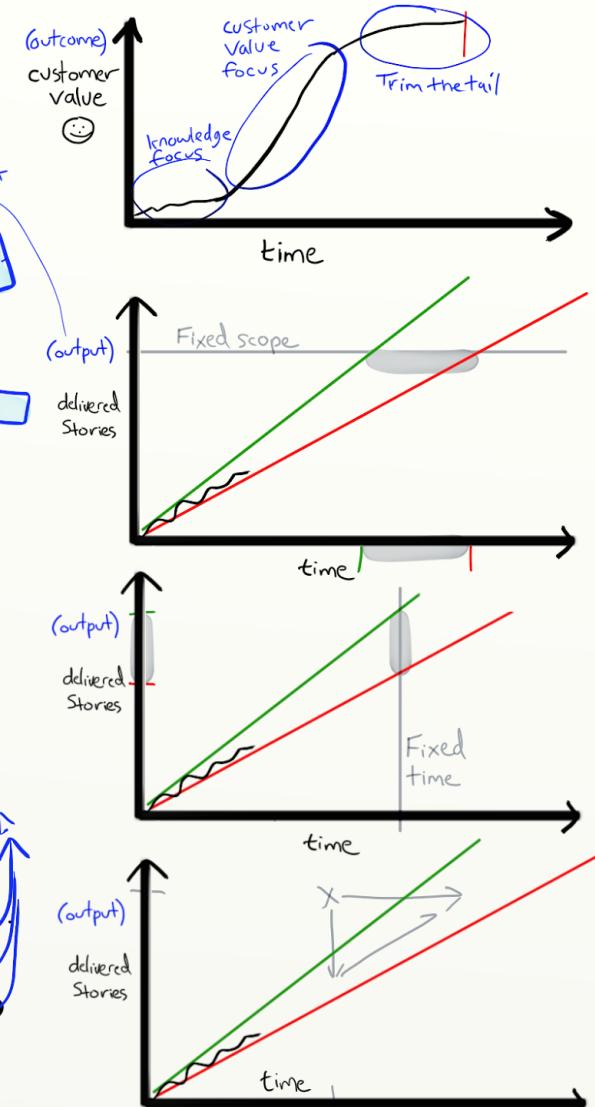
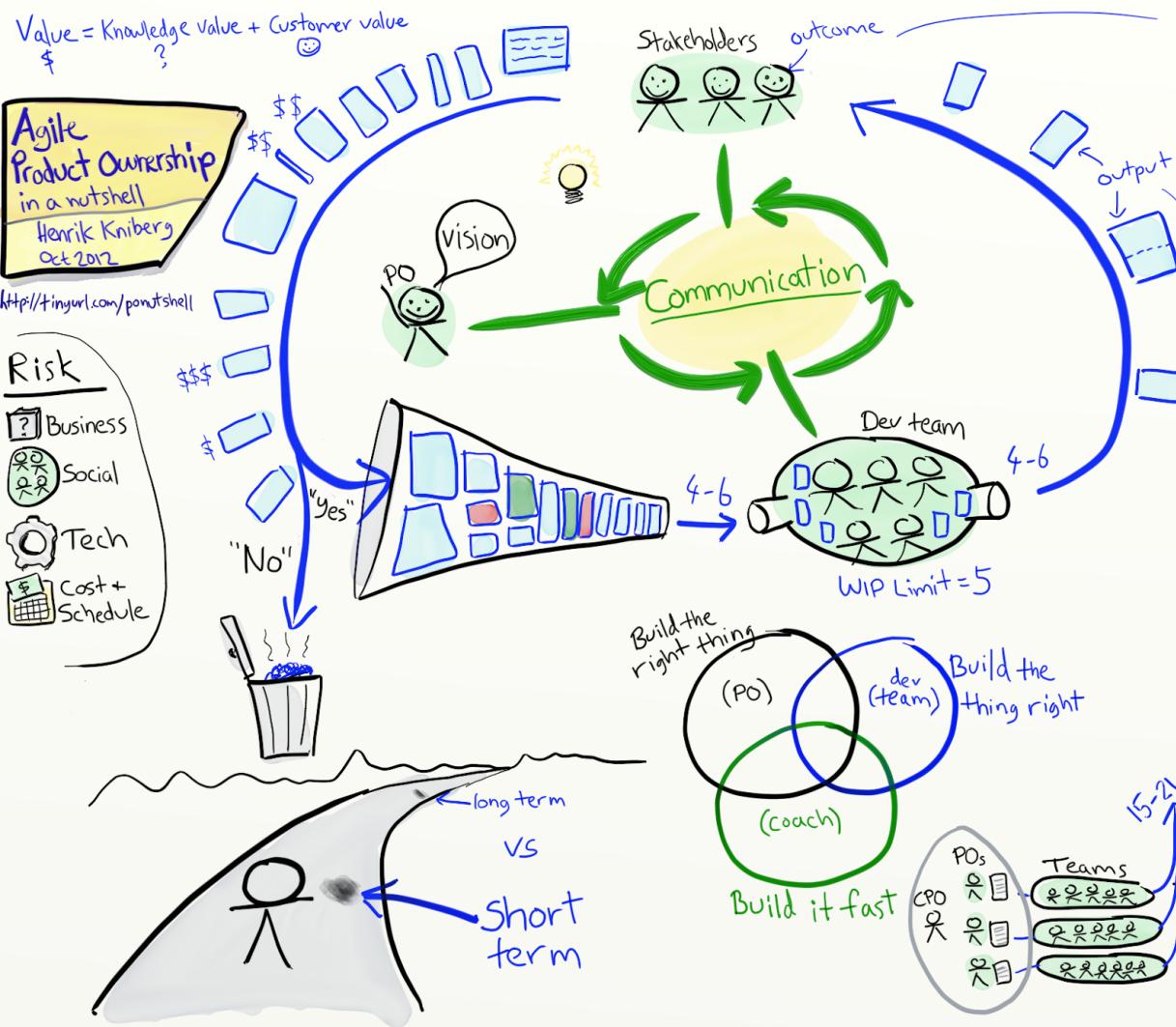
Forecasts with real data



What about bigger projects?

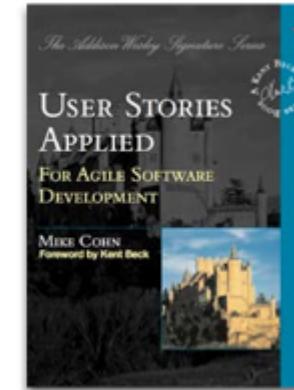
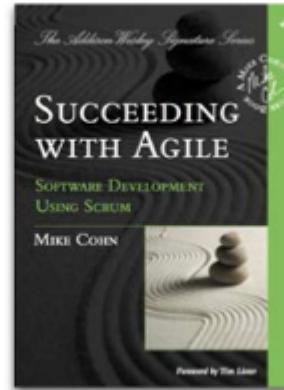
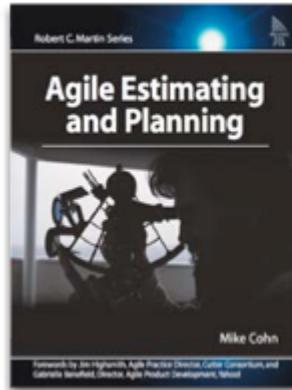


And much more!



Sources and more

- Mike Cohn's essential books

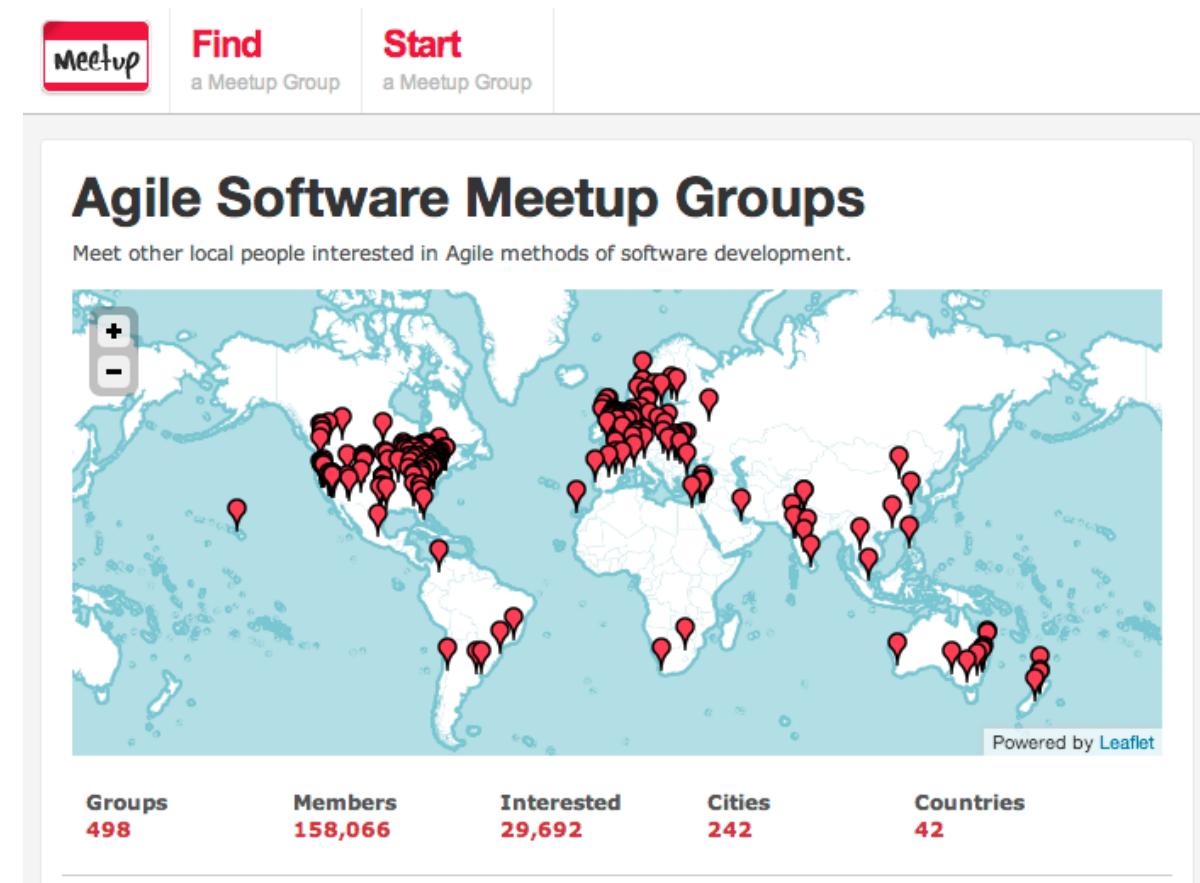


- The awesome video:
Product Ownership in a nutshell (<http://www.youtube.com/watch?v=502ILHjX9EE>)

Sources and more

- In Barcelona...
- Or elsewhere

agilebarcelona



Thanks!



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