

# Concrete Experimentation in Agile Environments

Agile Australia 18/06/2015

Bernd Schiffer

 **BOLD MOVER**

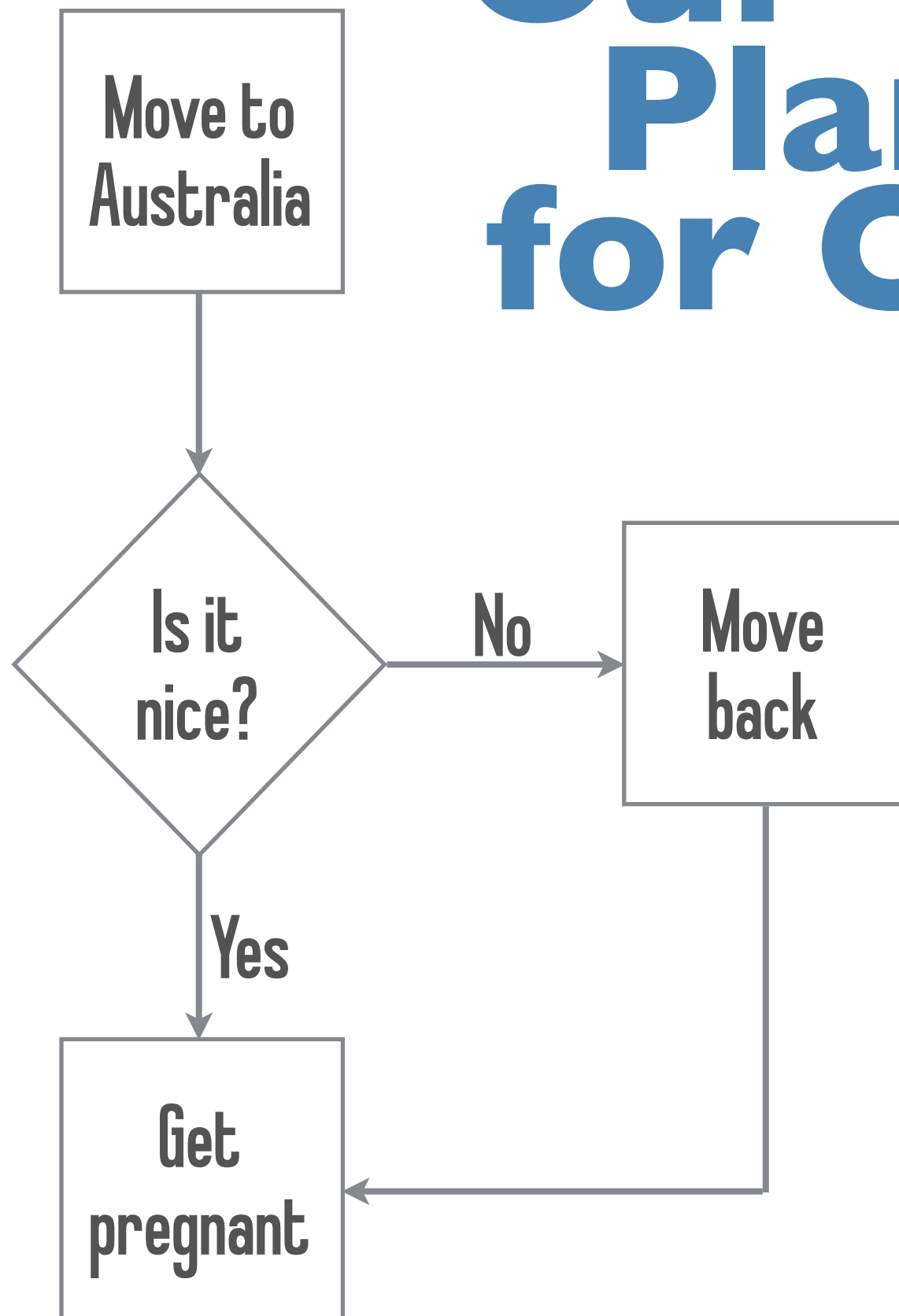




# Moving to Australia



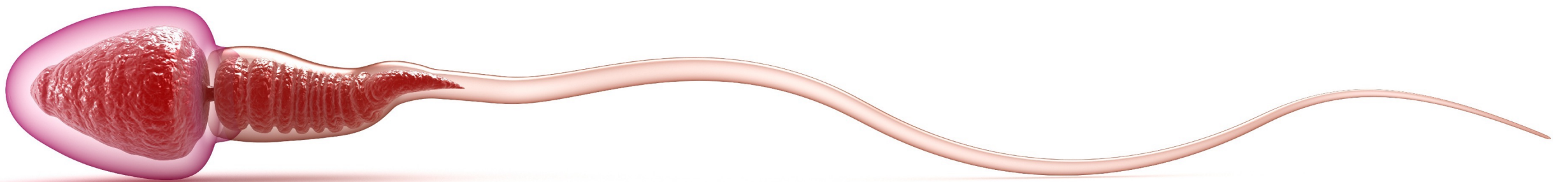
# Our Plan for Oz





# 20%

**Chance of getting pregnant  
per ovulation cycle  
if absolutely everything's okay.**





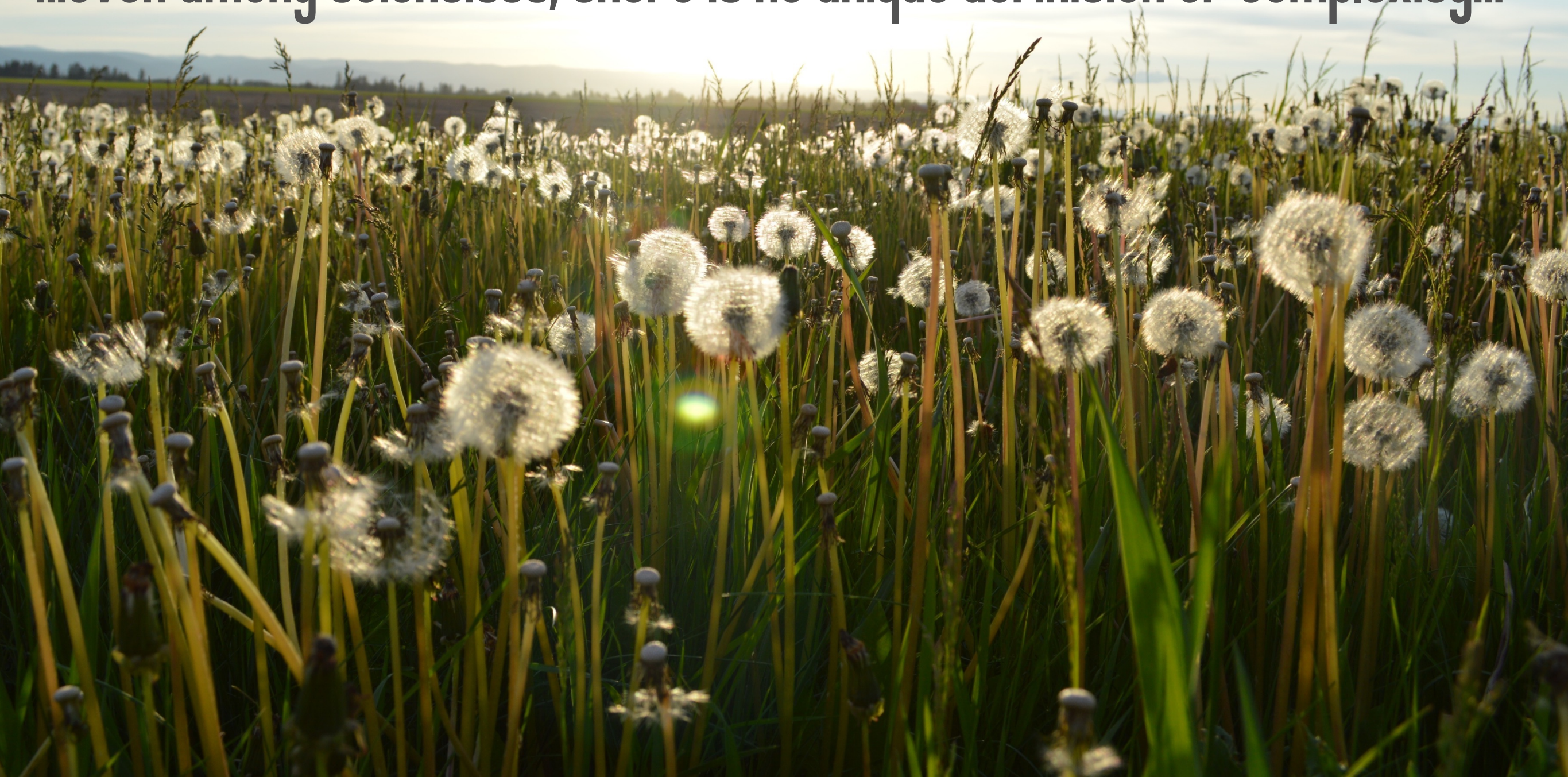
# Getting pregnant is **COMPLEX** (not complicated)





**“Complexity is generally used to characterise something with many parts where those parts interact with each other in multiple ways.  
[...]**

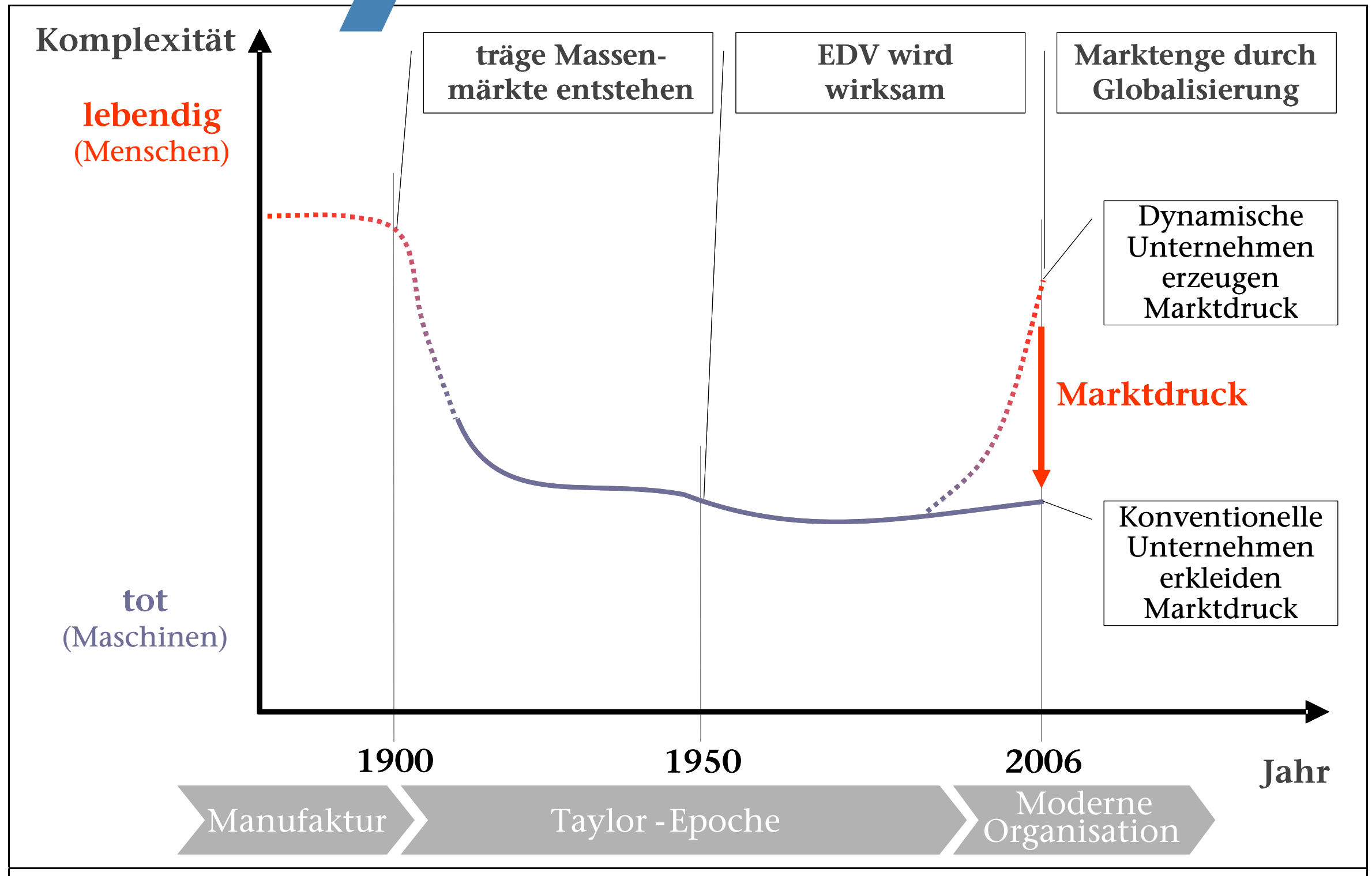
**...even among scientists, there is no unique definition of complexity...”**





# Taylor Tub

originally called "Wanne"







**“[In a complex situation] create environments and *experiments* that allow patterns to emerge.”**

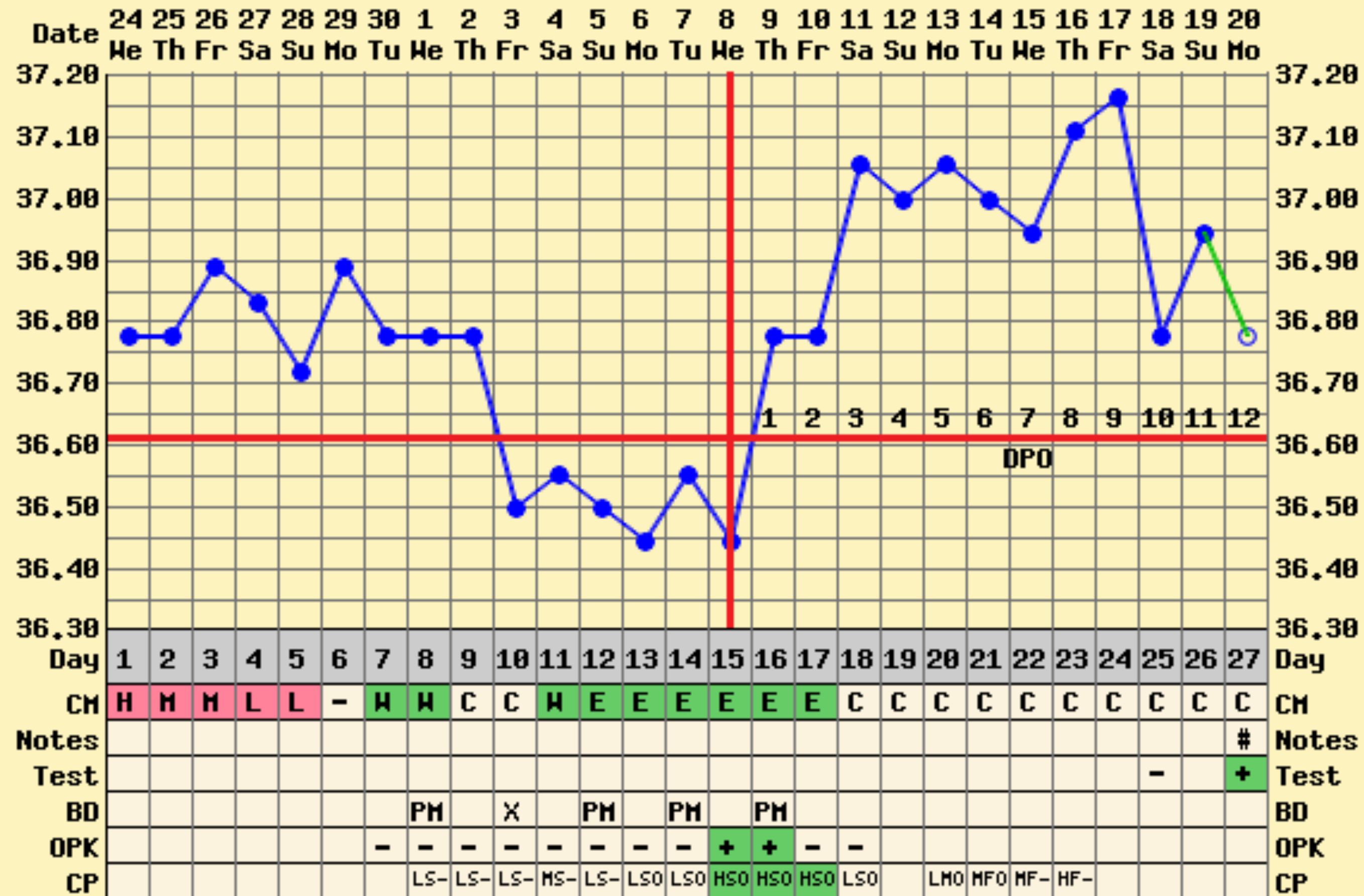
**— Dave Snowden**



# So, experimenting...



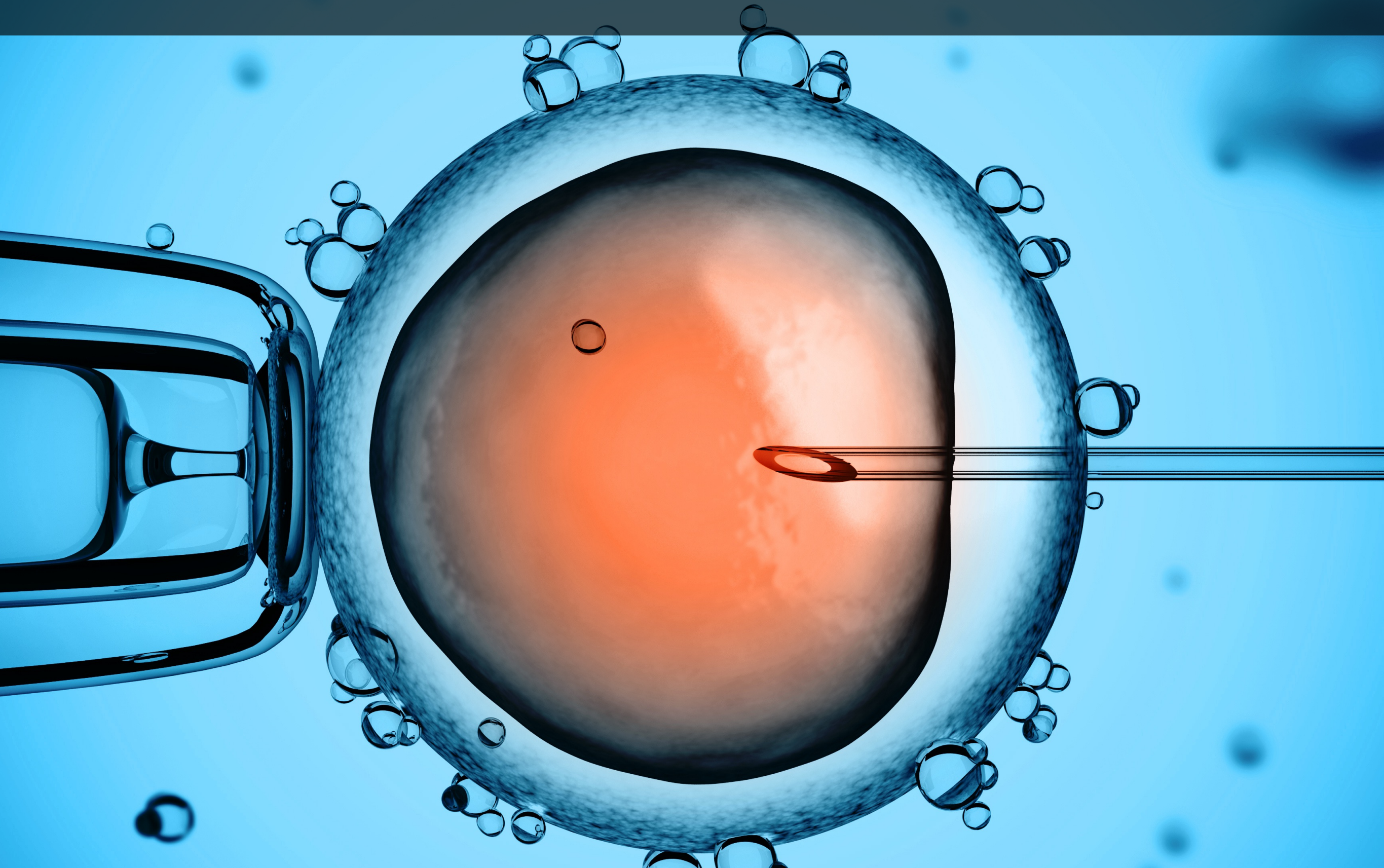




Not our own chart!



# Preferences over Plans





Thus!

# CAT SHOE, SIC!



- ◆ clear goal
- ◆ arranged
- ◆ trackable through metrics
- ◆ small
- ◆ has due date
- ◆ out in the open
- ◆ evaluated through hypothesis
- ◆ safe-to-fail
- ◆ impelled by champions
- ◆ communicated before start



Another example

# Fix It or Trash It





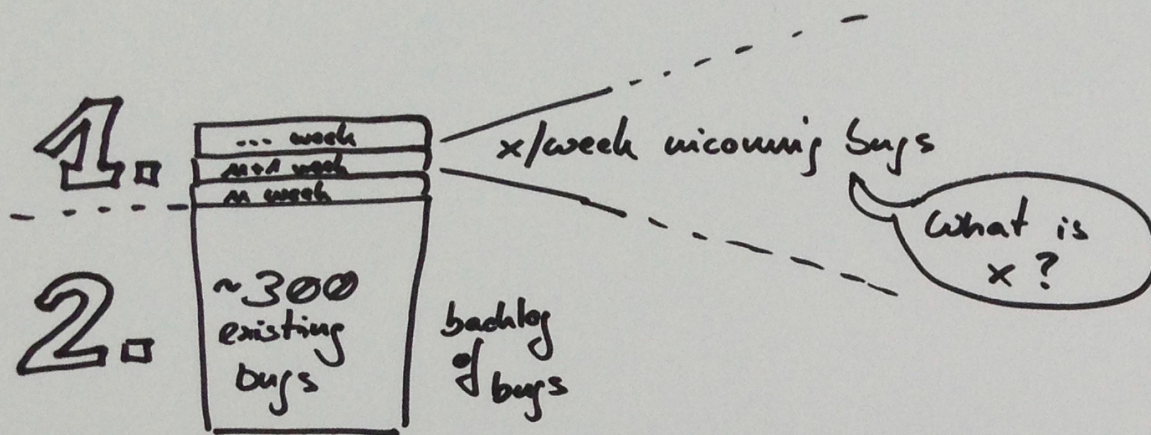
# Clear Goal

Stop piling up bugs.

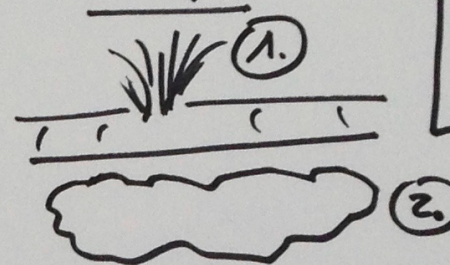




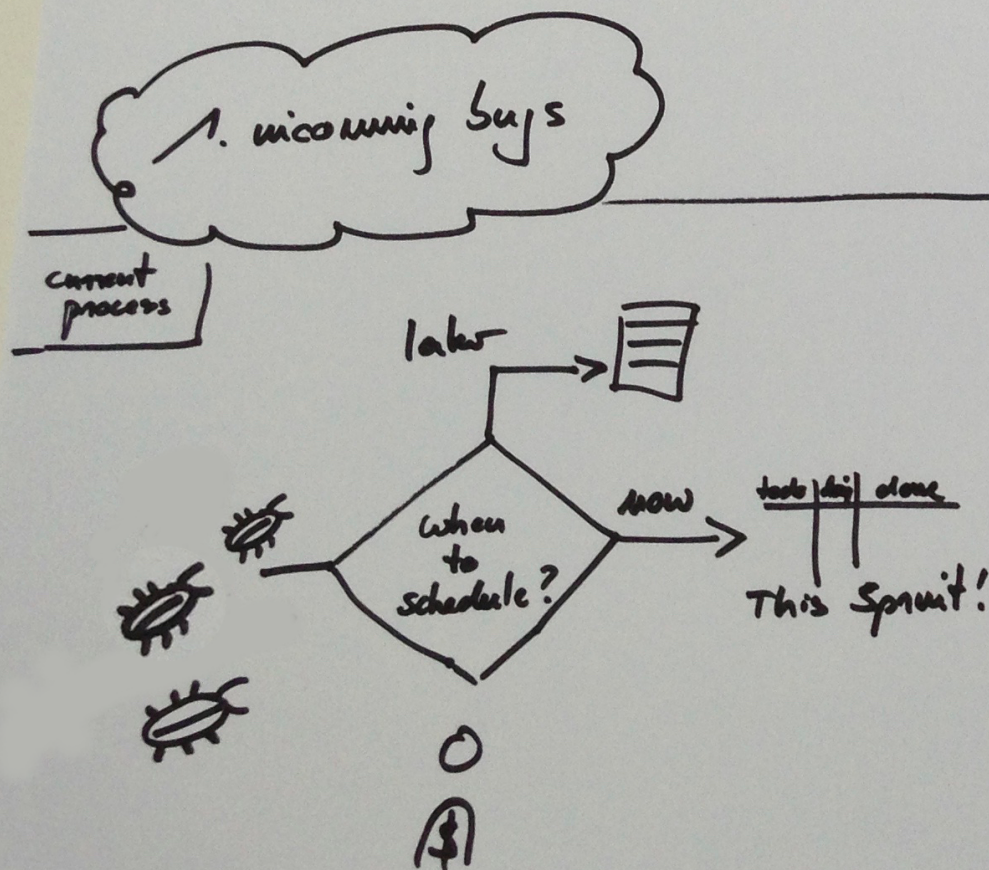
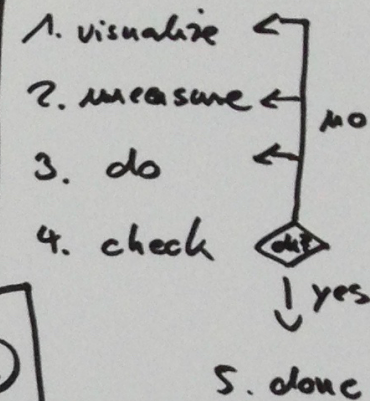
# Arranged



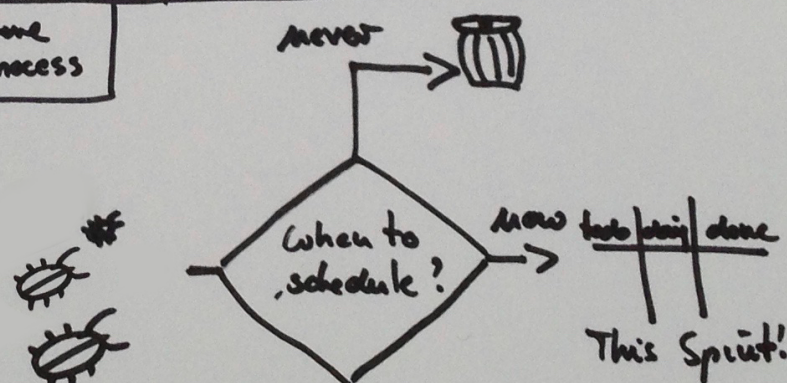
Water leak  
Metaphor



Fix the leak  
before cropping  
it up.



future process



Now coins!

PO	Dev	Result
now	now	now
now	never	now
never	now	now
never	never	never

$h$  = handling <sup>\*</sup> more /  
equal amount of bugs  
than currently coming  
in

<sup>\*</sup> be done with it

$h_b$  = backlog of bugs  
increases



# Trackable Through Metrics





**“What can be asserted without evidence  
can be dismissed without evidence.”**

**— Hitchen's Razor, by Christopher Hitchens**



**Track to Evolve Sustainably**



# Small

“Only” 6 weeks. Only one team.







# **H**as a Due Date

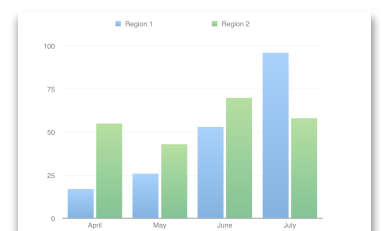
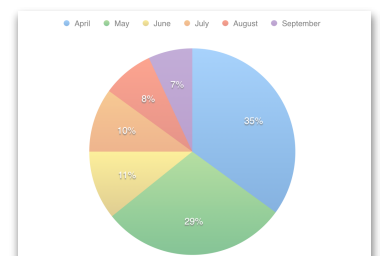
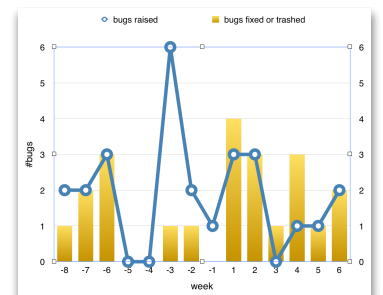
After 6 weeks, incl. presentation of final results,  
after standup, and scheduled in advance.



# Out in the Open

3

Todo	Arrange	Experi- menting	Ready for Reflection	Done
<p>Smaller Teams</p> <p>Hire internal Coach</p>	<p>First Open Space</p>	<p>Fix It or Trash It</p>	<p>Happi- ness Index</p>	



Yes, that's a Kanban board.



# **E**valuated through Hypothesis

$h$  = We can handle a more or equal amount of bugs than is currently coming in.

$h_0$  = The amount of bugs keeps increasing.







# Safe-to-Fail



VIA 9GAG.COM

**Safe-to-Fail? Maybe.**



# Safe-to-Fail? Nope.





# Impelled by Champions







**Communicated  
before Start**



Thus!

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# More Experiments

- ◆ First Agile Team
- ◆ First Internal Agile Coach
- ◆ First Open Space
- ◆ Setup Happiness Index
- ◆ Setup Collaborative Decision-Making







**Tip 1:  
Do Retrospectives...**

**...and treat every action  
as an experiment.**





**Tip 2: Don't Be Perfect**







# Our Experi- ment's Outcome



# Result of Our Experiment's Outcome







Thank  
you!

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 **BOLD MOVER**

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