

scruminc.

FUTURELAB

Scrum: Incubator for Innovation

“Innovation is what agile is all about.”

Embracing Agile. Harvard Business Review, May 2016



About Jeff and Moses

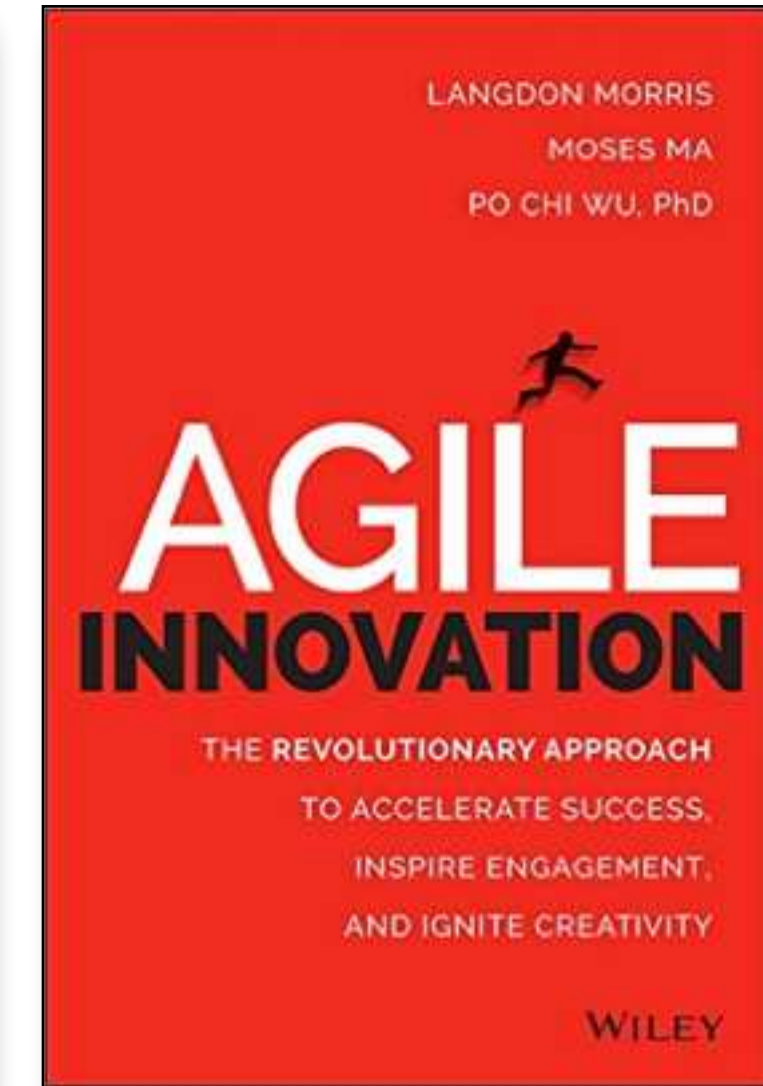
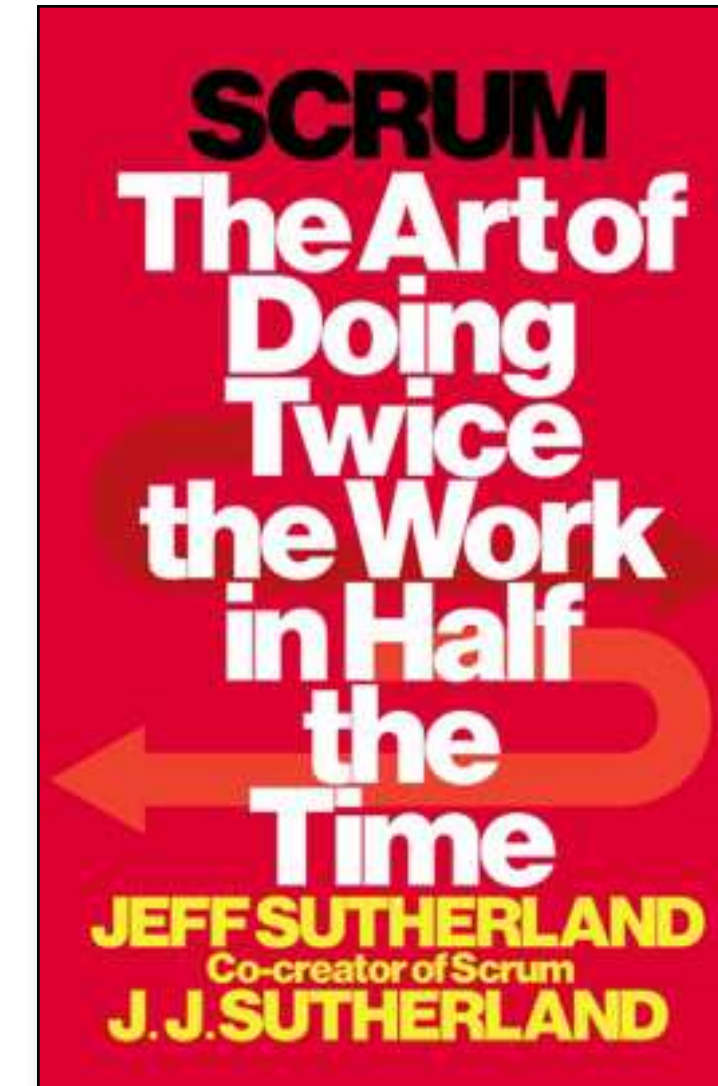
Jeff Sutherland

- The inventor and co-creator of Scrum, CTO of eleven different software companies, author of *Scrum: The Art of Doing Twice the Work in Half the Time*.



Moses Ma

- The inventor of the Agile Innovation process, partner at FutureLab Consulting, inventor of internet gaming and e-commerce technologies, and co-author of *Agile Innovation*.



scruminc.

The world's leading authority on Scrum, which has helped hundreds of companies re-shape themselves to face a changing world, increase productivity, and drive profound growth.

FUTURELAB

FutureLab helps bring your organization to mastery of innovation by providing you with the tools to address the core elements of innovation, uncertainty, ambiguity, creativity, and possibility.

Harvard
Business
Review



INNOVATION

Embracing Agile

by Darrell K. Rigby, Jeff Sutherland, and Hirotaka Takeuchi

FROM THE MAY 2016 ISSUE

Embracing Agile Innovation

Harvard
Business
Review



INNOVATION

Embracing Agile

by Darrell K. Rigby, Jeff Sutherland, and Hirotaka Takeuchi

FROM THE MAY 2016 ISSUE

Agile innovation methods have revolutionized information technology. Over the past 25 to 30 years they have greatly increased success rates in software development, improved quality and speed to market, and boosted the motivation and productivity of IT teams.

These are the Questions

- How do you build an innovation process that sticks?
- How do you train an innovation skillset that can actually move the needle?
- How do you overcome corporate anti-bodies to change?
- How do you build an innovation management system that really works?



AGILE
+ INNOVATION

IS THE ANSWER

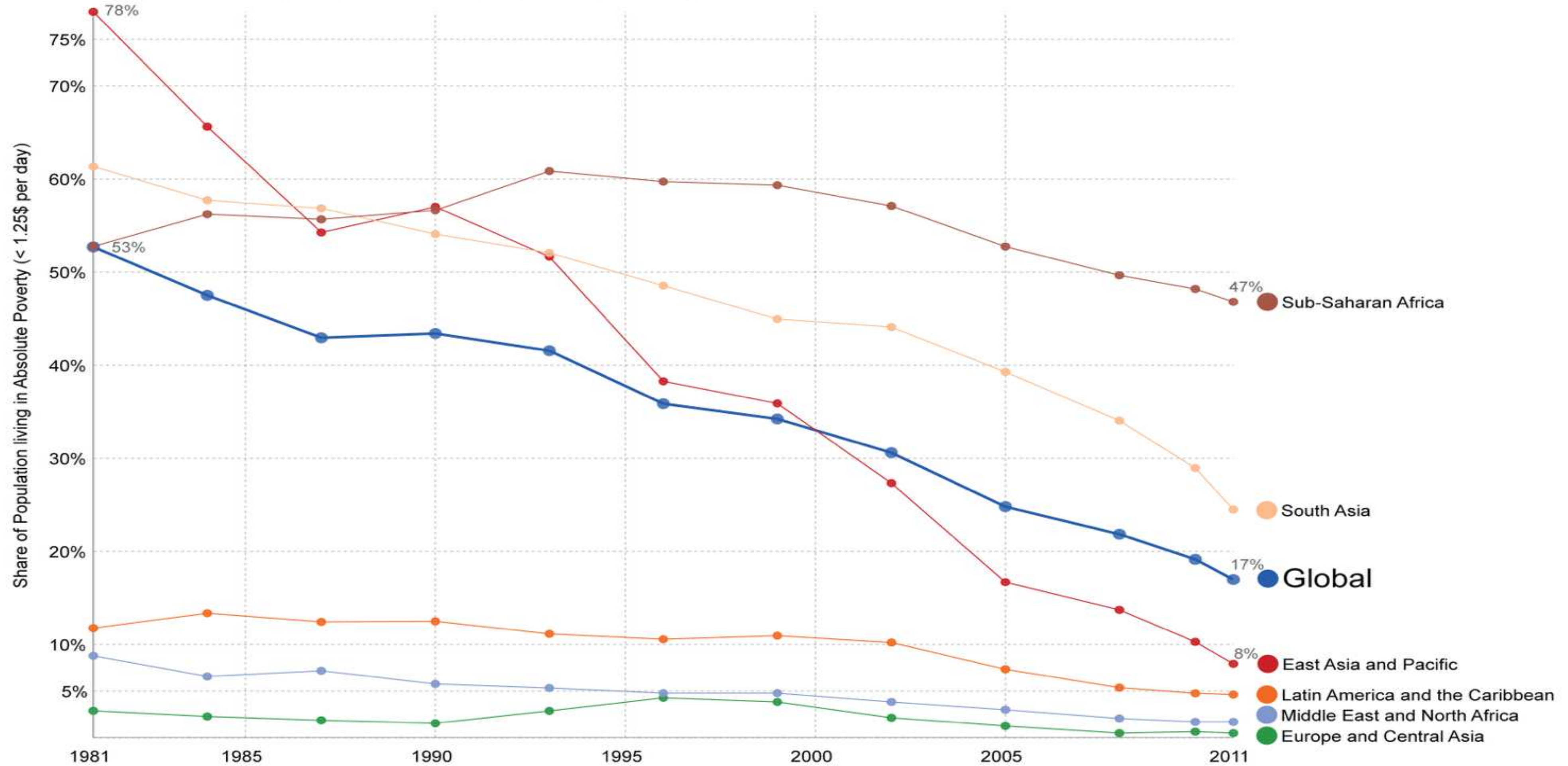
**Something
Wonderful
Is
Happening**

Global innovation is driving poverty reduction

Our World in Data

Share living in Absolute Poverty by World Region (1981-2011) – by Max Roser

The absolute poverty is defined as living with less than \$1.25/day. This is measured by adjusting for price changes over time and for price differences between countries (PPP adjustment).



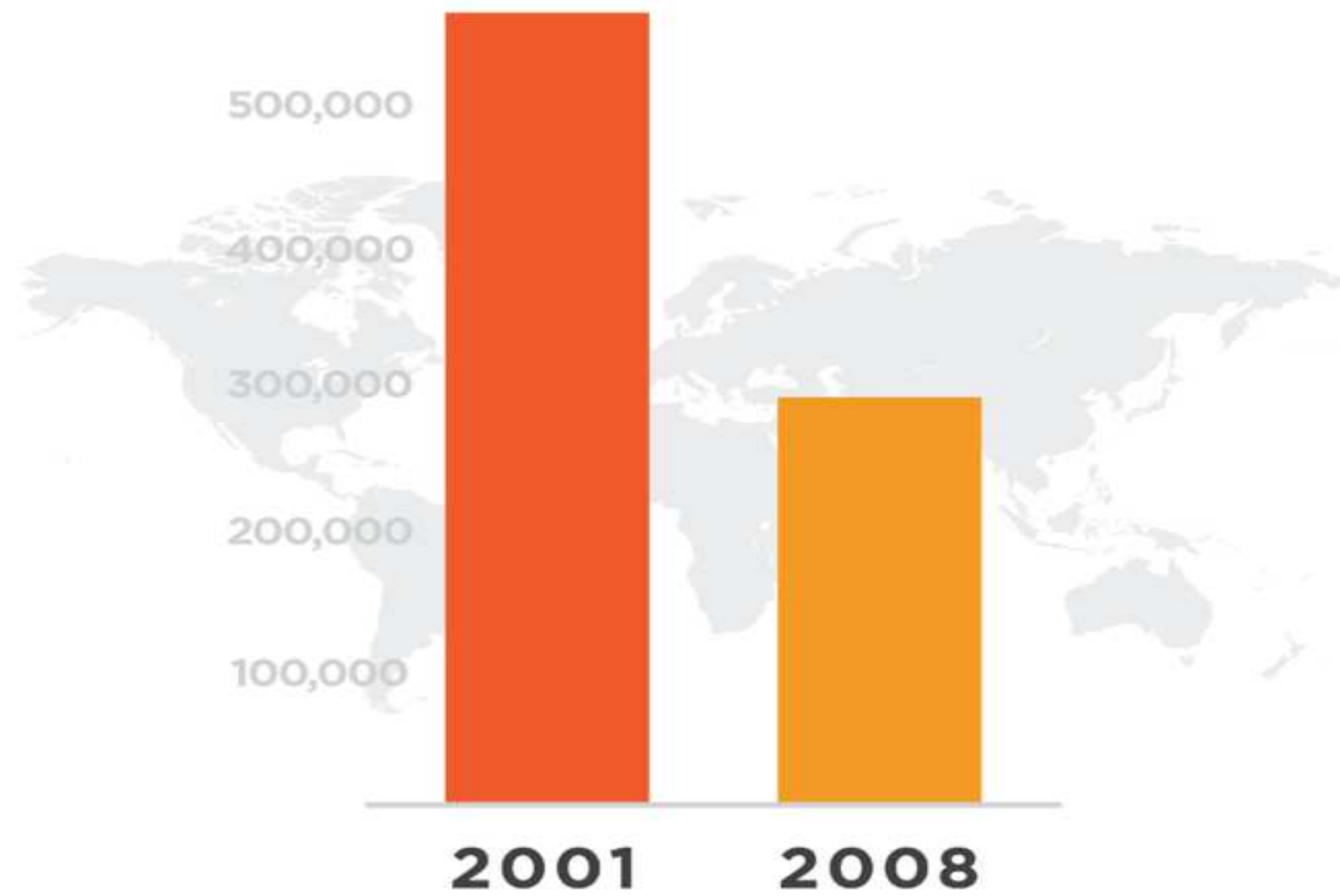
Data source: World Bank (PovcalNet)

The interactive data visualisation is available at OurWorldinData.org. There you find the raw data and more visualisations on this topic.

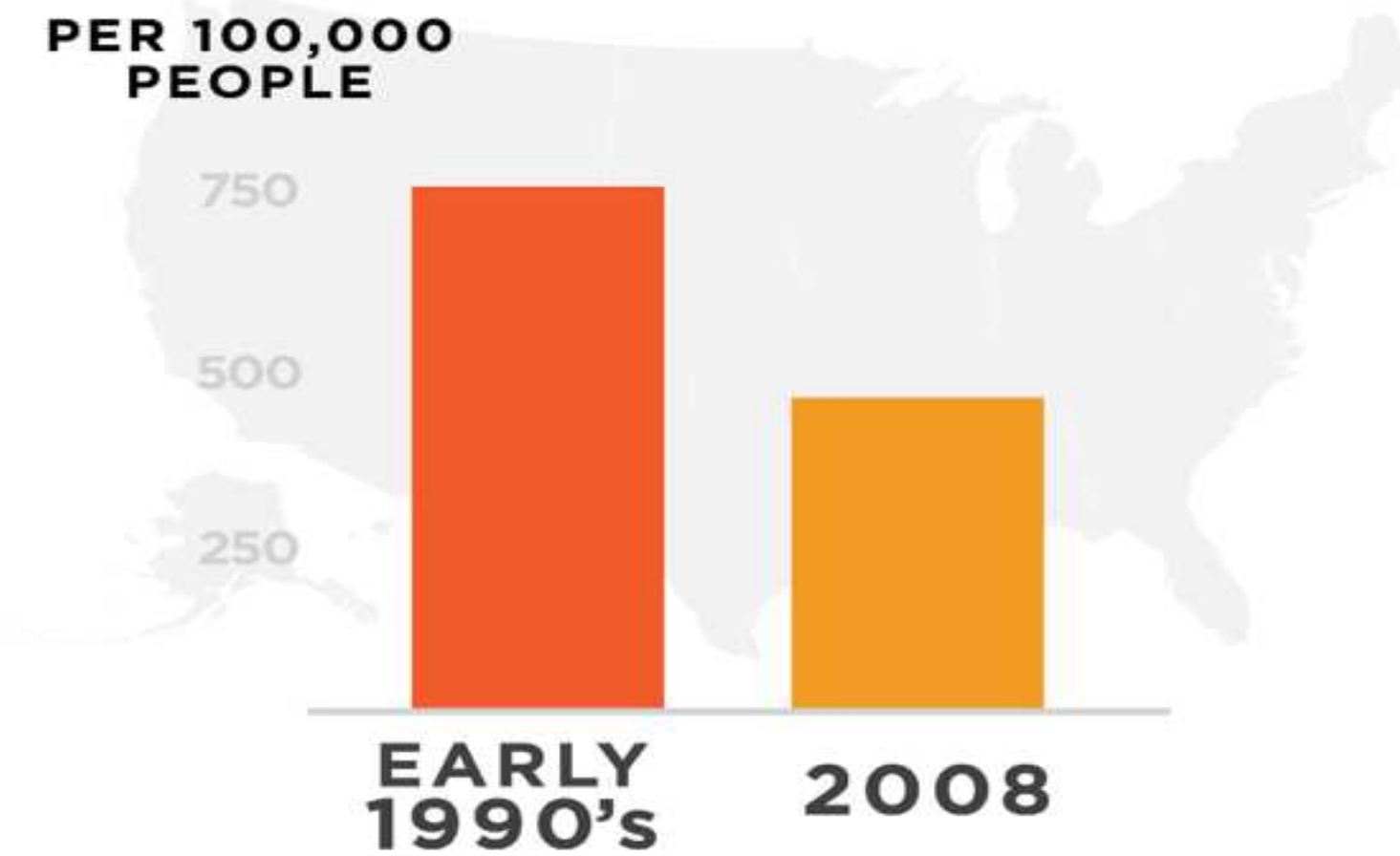
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VIOLENT CRIMES ARE ON THE DECLINE

MURDERS WORLDWIDE

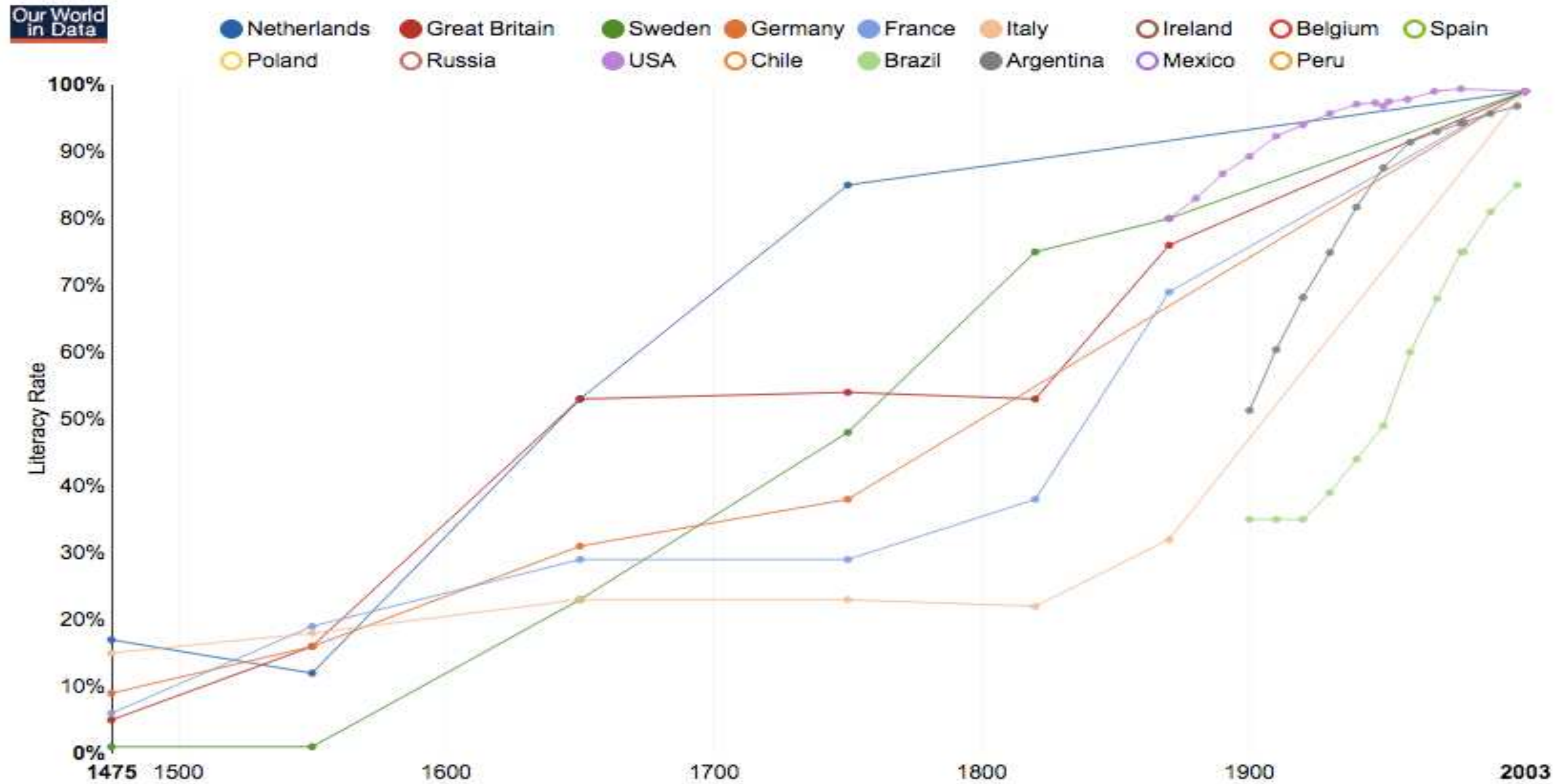


VIOLENT CRIME RATE, U.S.



Literacy is increasing

Literacy Rates around the World from the 15th century to now – Max Roser



The author Max Roser licensed this visualisation under a [CC BY-SA license](https://creativecommons.org/licenses/by-sa/4.0/). You are welcome to share but please refer to its source where you find more information: www.ourworldindata.org/data/education-knowledge/literacy
Data Sources: Buringh & Van Zanden (2009), OxlAD, Broadberry & O'Rourke (2010), CIA and US National Center for Education Statistics.

**Why is this
Happening?**

drivers of the information revolution

Digital Power =

Computing X Communication X Storage X Content

Growth
Rate =
Doubles
Every 18
months

Growth
Rate =
Doubles
Every 9
months

Growth
Rate =
Doubles
Every 12
months

Growth
Rate =
Not N²
but
2_n

An exponential rate of growth that reduces
computing and networking costs 95-97% every ten years

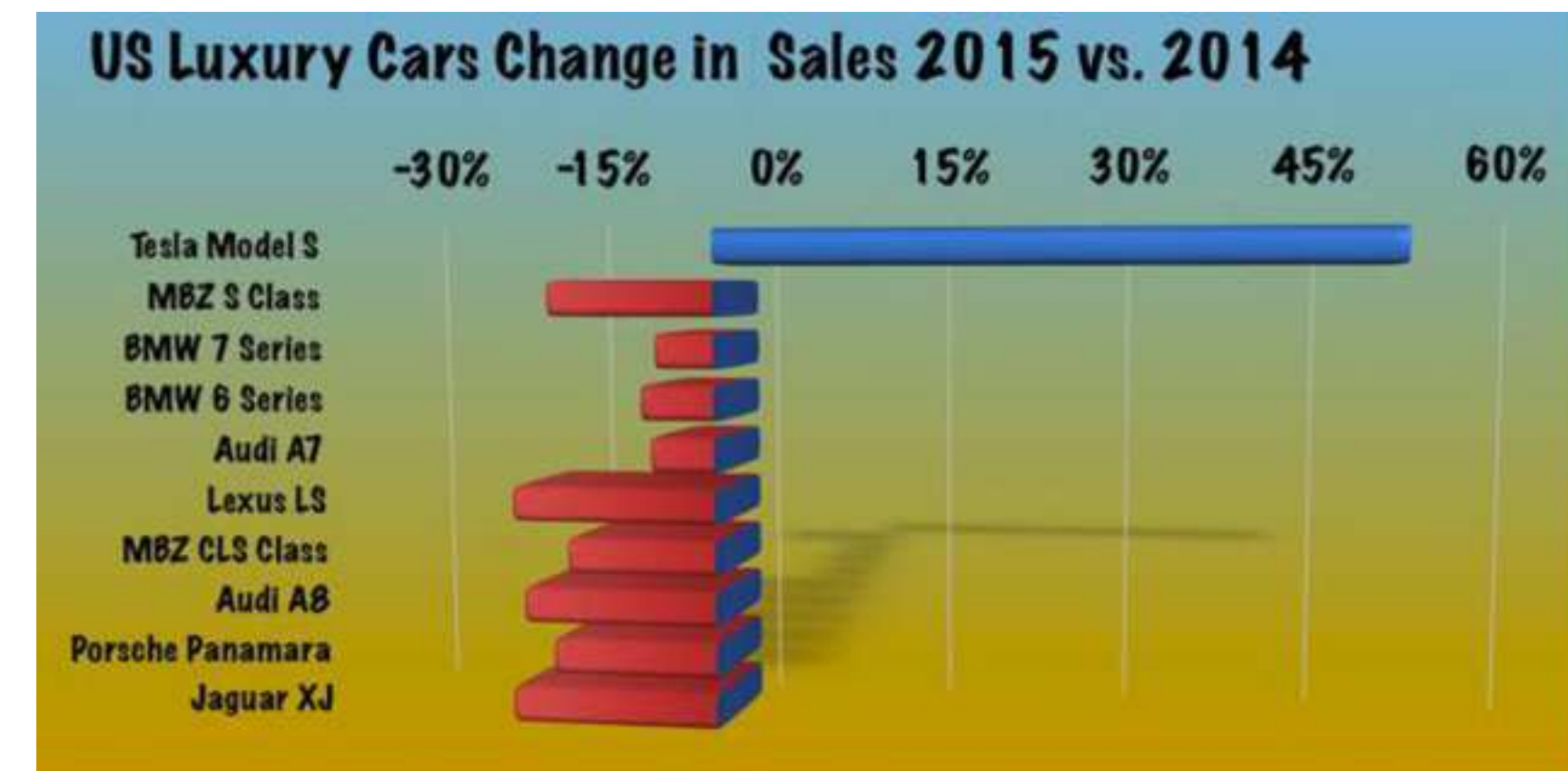
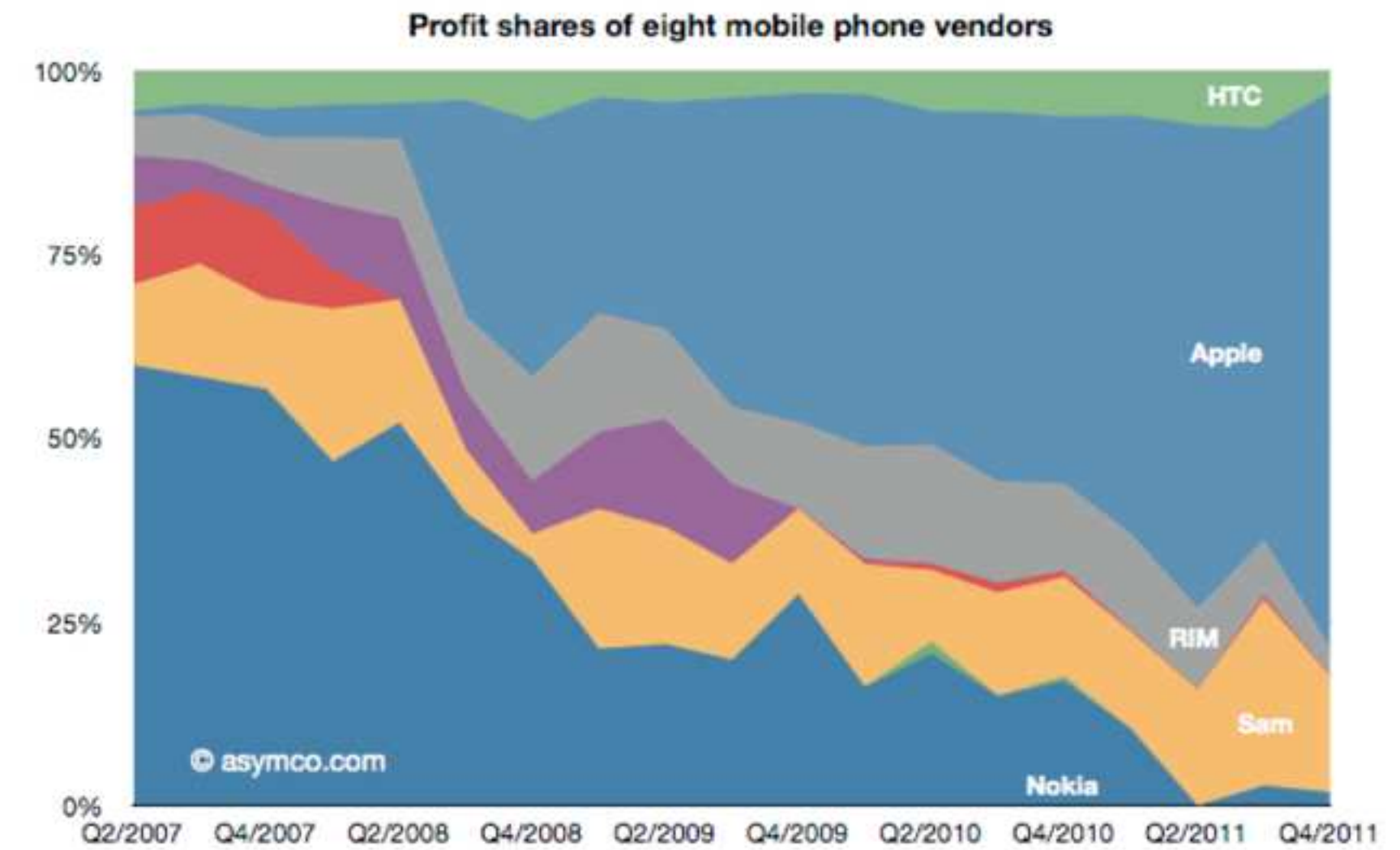
digital power is driving a manufacturing revolution



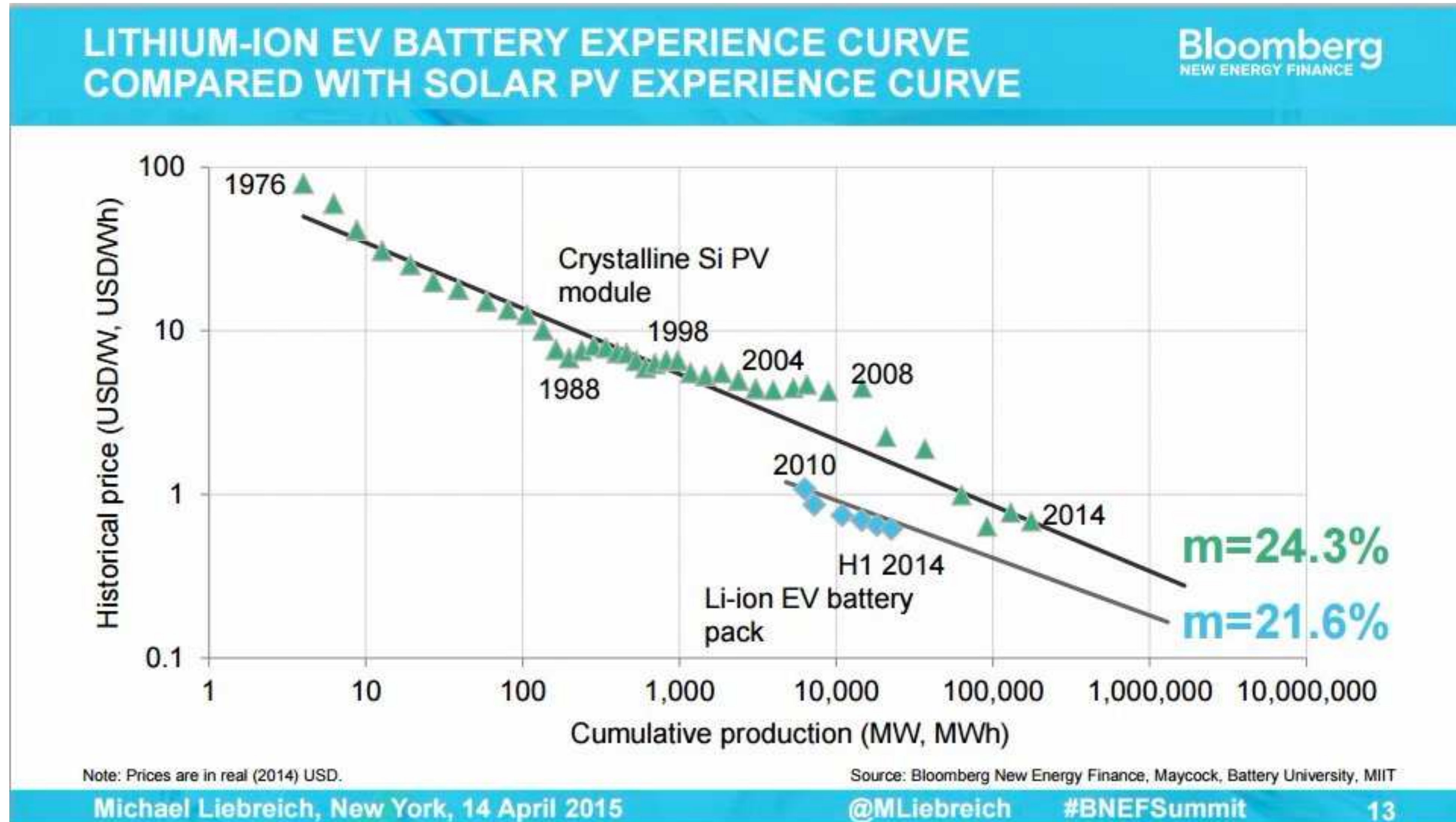
Customers loved this...



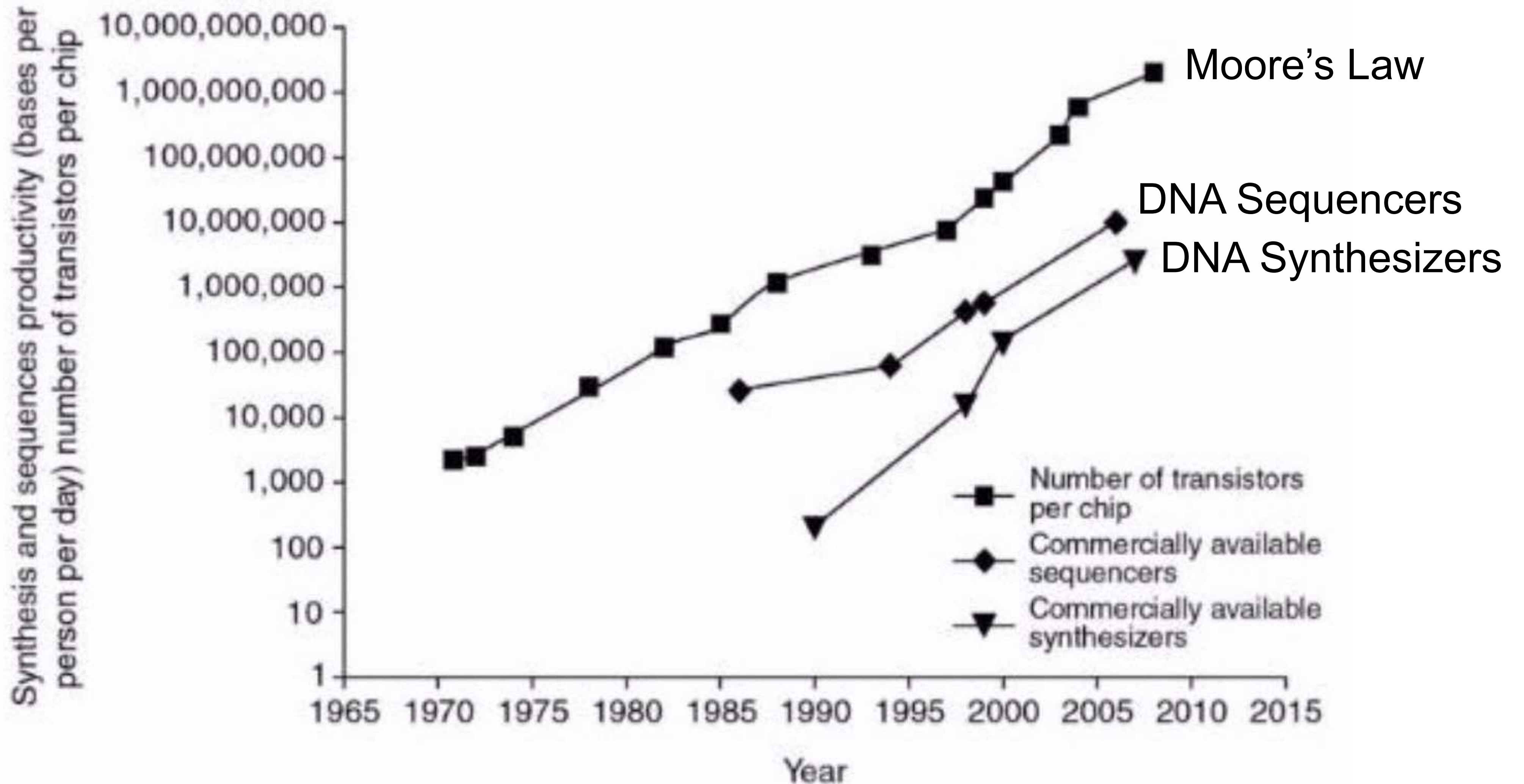
...Until they tried this...



digital power is driving an energy revolution

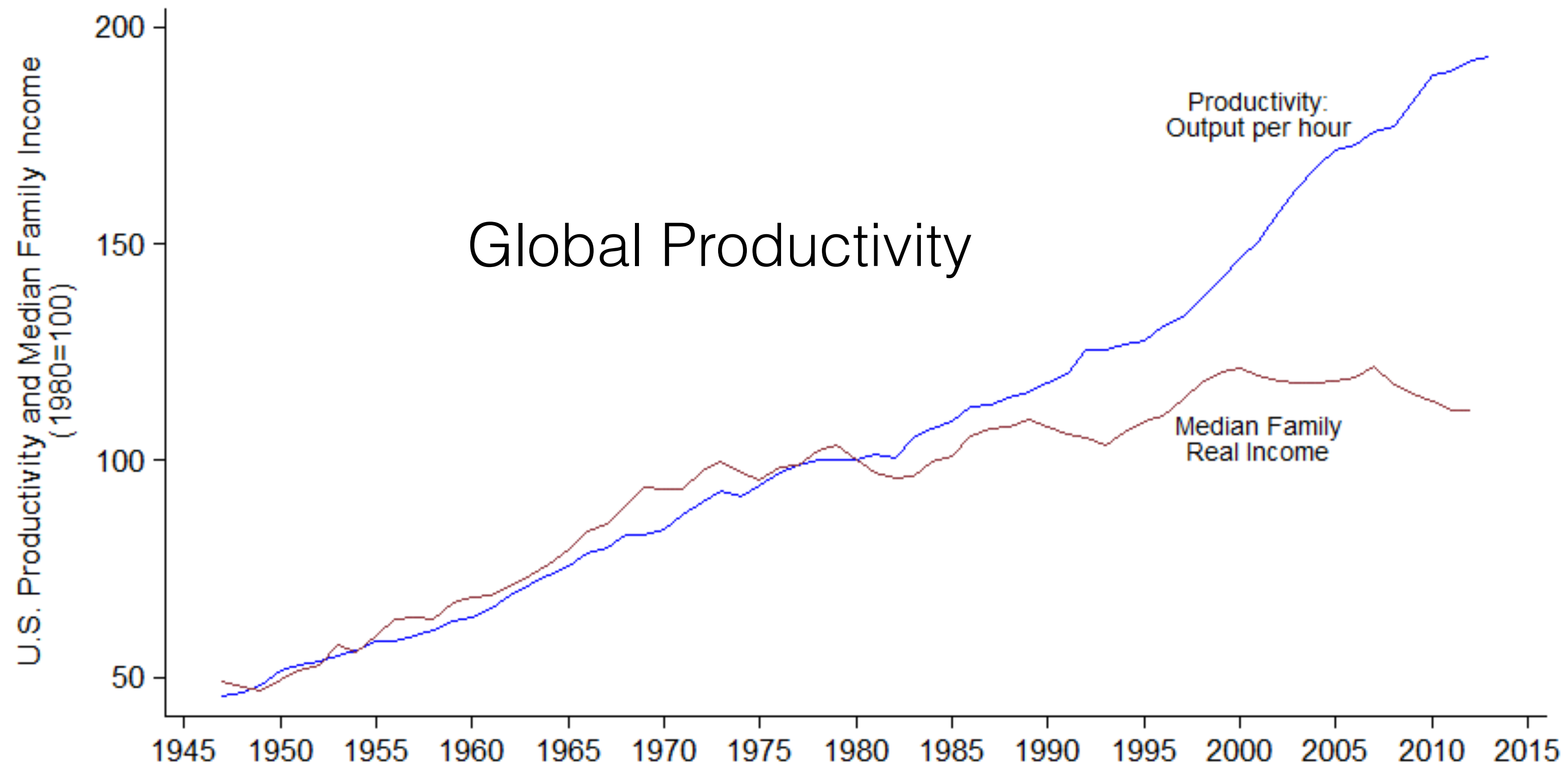


digital power is driving a biology revolution



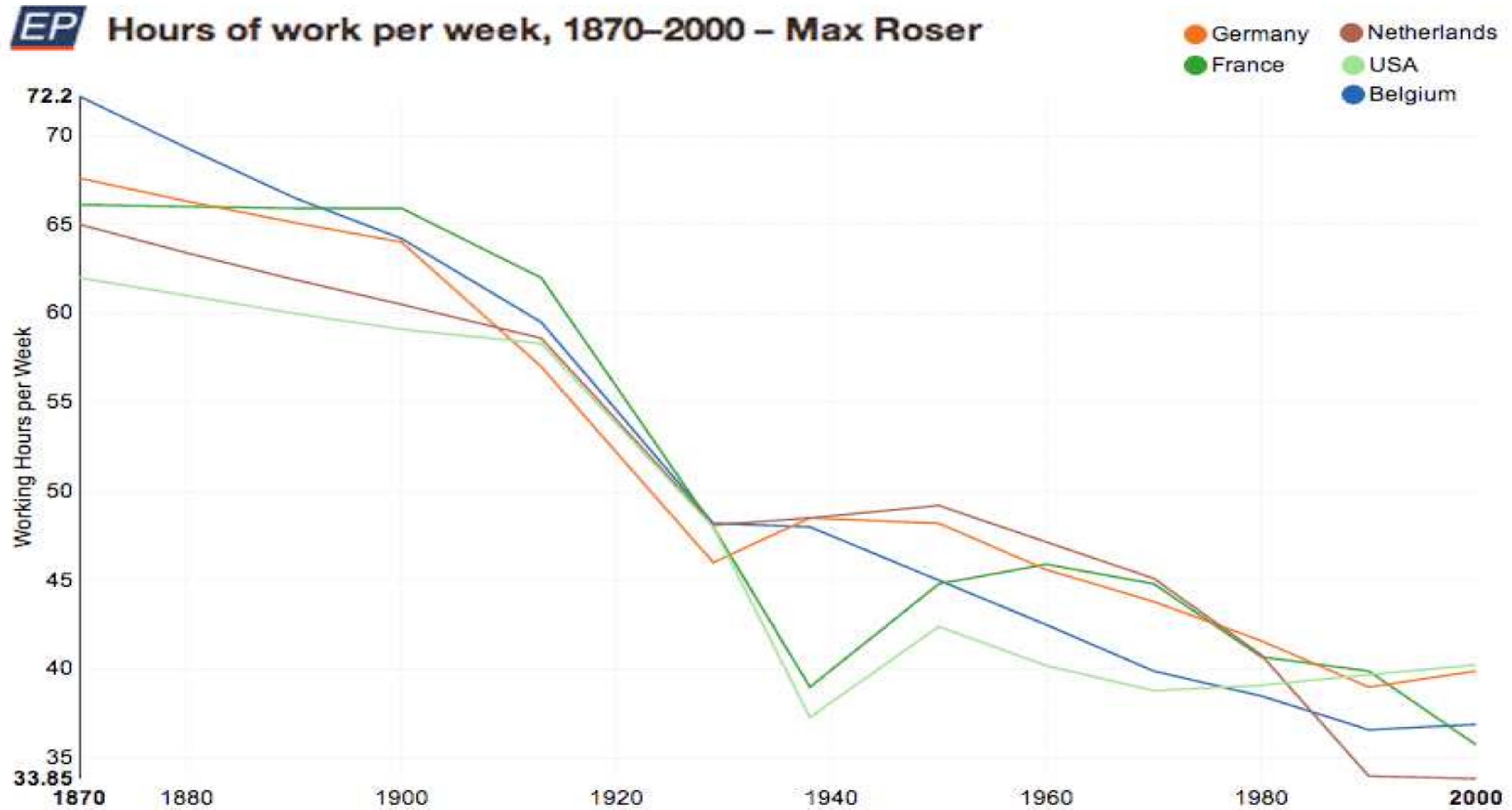
Humanity is doing twice the work

Global productivity increasing



houseofdebtblog.org, @profsufi & @AtifRMian, Data source: BLS, CPS

In half the time



The author Max Roser licensed this visualisation under a [CC BY-SA license](https://creativecommons.org/licenses/by-sa/4.0/). You are welcome to share but please refer to its source where you find more information: www.explainingprogress.com/data/economic-development-work-standard-of-living/working-hours
Data Source: Hubermann & Minns (2007)

BECOMING MORE AGILE

and Innovative is part of the
Human Condition



AGILE INNOVATION

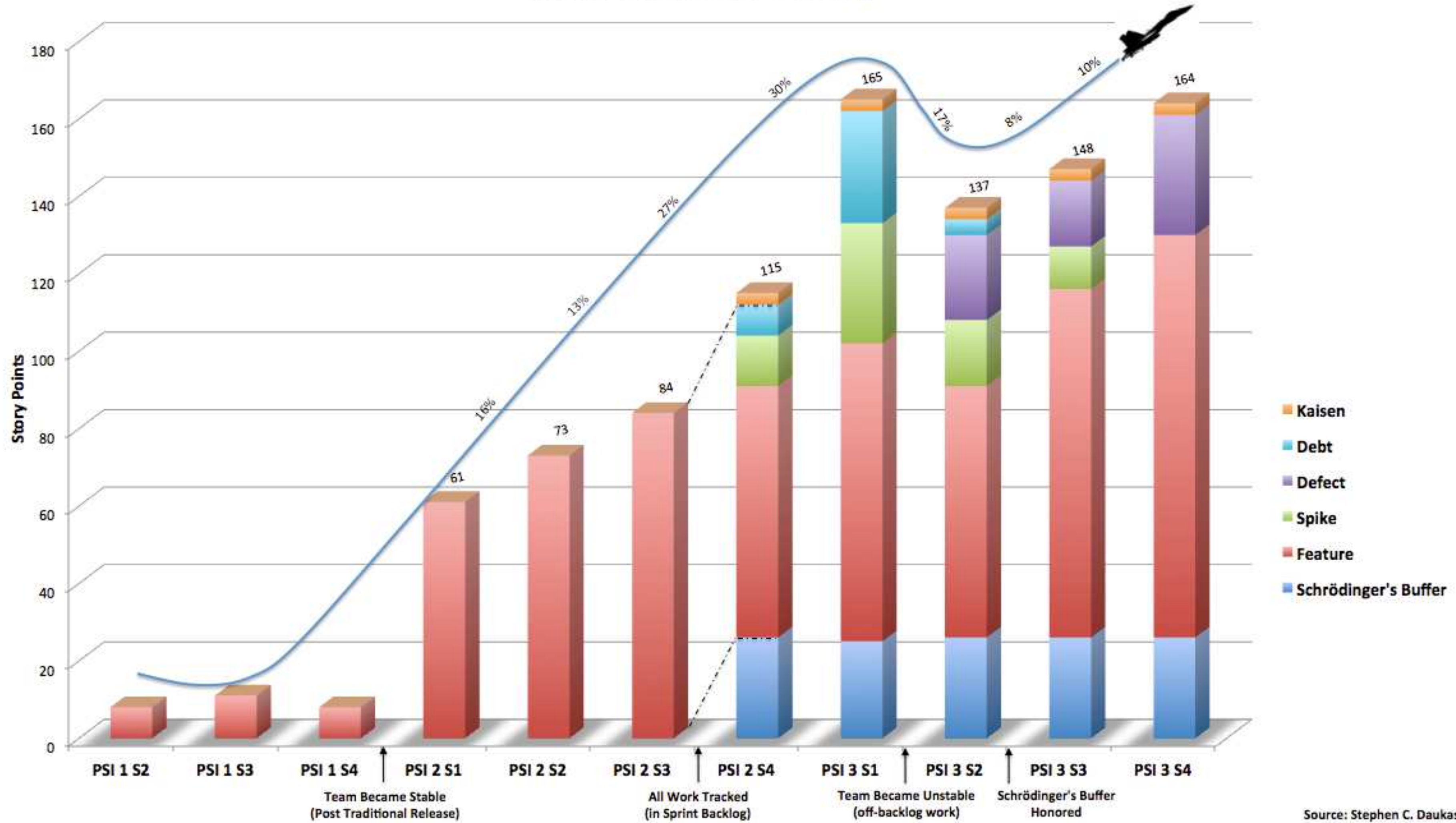
Cool Scrum Innovation Styles

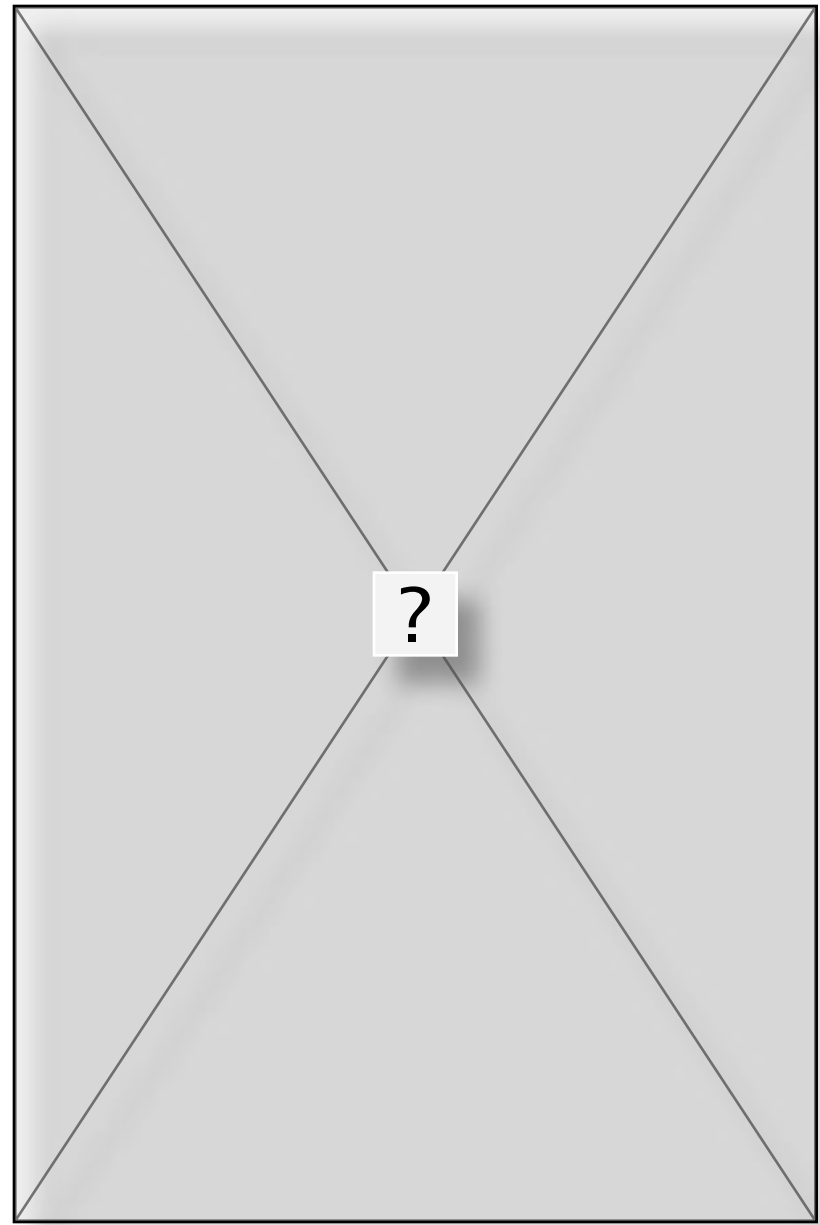
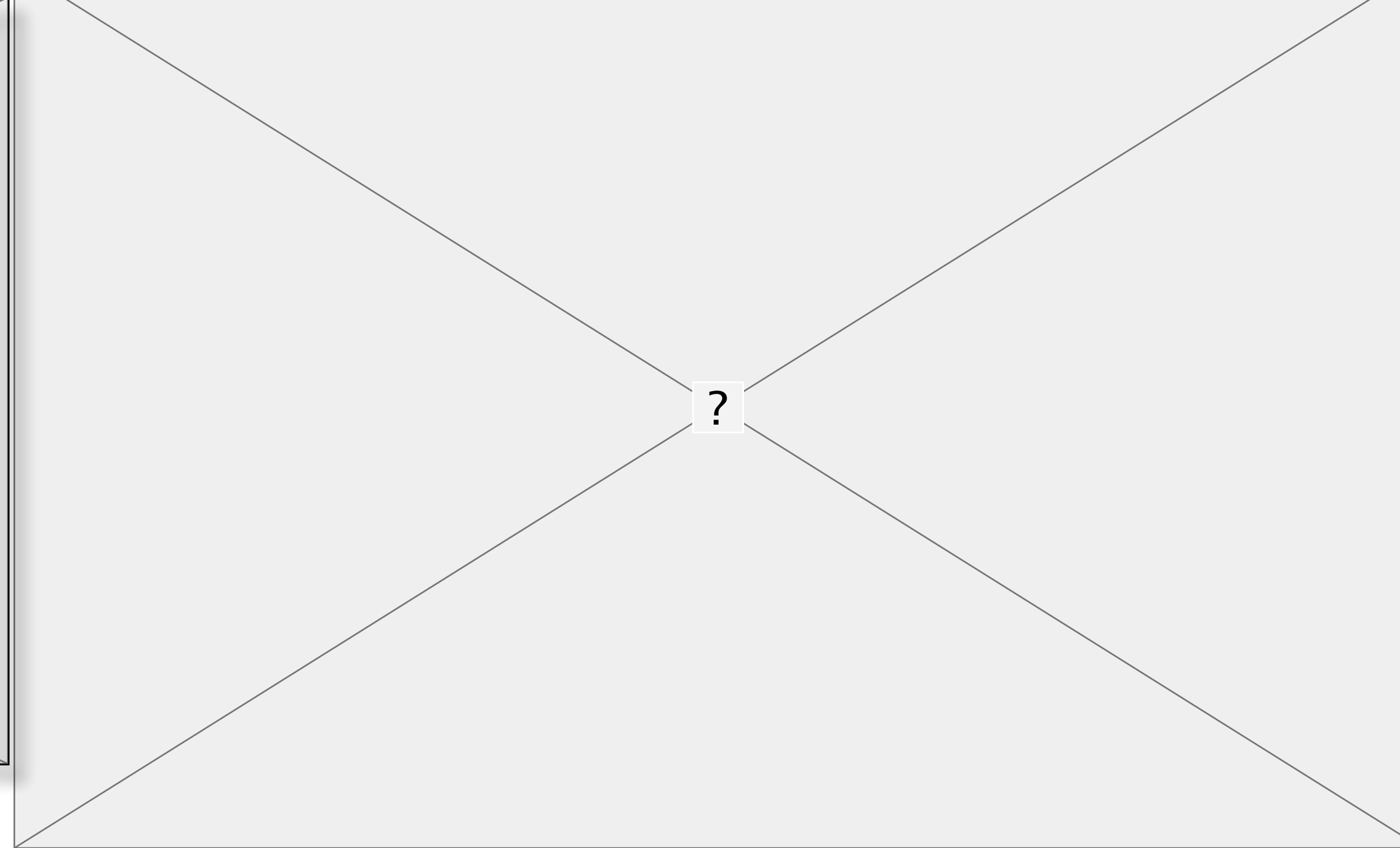
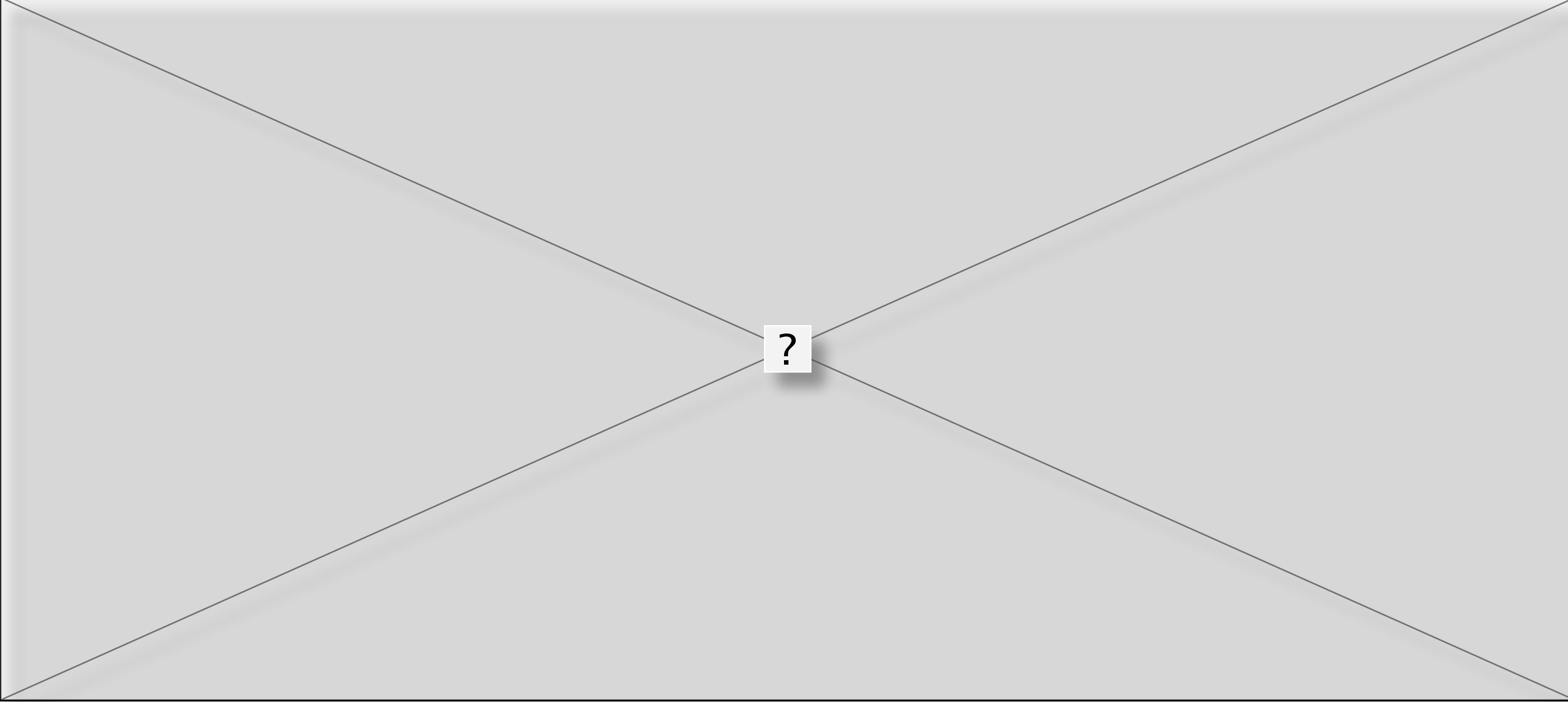
- Global innovations centers in one of world's largest hardware companies - see previous online course in ScrumLab
- Implement Aggressive Scrum
- Use Design Sprints
- Johns Hopkins Applied Physics Laboratory
- King Games - one of the most awesome and profitable innovation teams ever
- Organize your entire innovation portfolio with Scrum for Ideas and FutureLab's toolkit



Aggressive Scrum Team

Mach Speed Team Velocity





labs.openview.com





- Get \$100M from the government to solve a problem
- Develop a dozen or more strategies for implementation
- Create a map of research stories
- Time box every story and burn them down in sprints
- Trim the tree until the best solution is achieved
- Scrum provides better solutions twice as fast

Candy Crush May Be the Most Profitable Game in the World

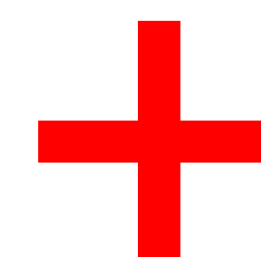
100 million real time online users

70 big data analysts dedicated to 70 Scrum teams



?

- Two week sprint to go live with online prototype
- One day sprints for two weeks to optimize game
- Daily big data analysis and game tuning
- Profit or die within 4 weeks!



INNOVATION INHIBITORS

1. Without a comprehensive and systematic approach to innovation, you simply won't be able to move the needle. Contests, hackathons and design sprints are good... but they're like trying to lose weight with the latest diet, they cannot effect lasting and transformative change. No one can do your push ups for you.
2. Innovation white blood cells will seek to “defend” the enterprise, and must be included as active participants in the IdeaScrum process.
3. Cargo cult innovation and AINO

There is no “off the shelf” innovation product that can address the specific culture and unique challenges/success factors of your company. You need to carefully develop an *innovation prescription* that works for you.

Agile



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Innovation

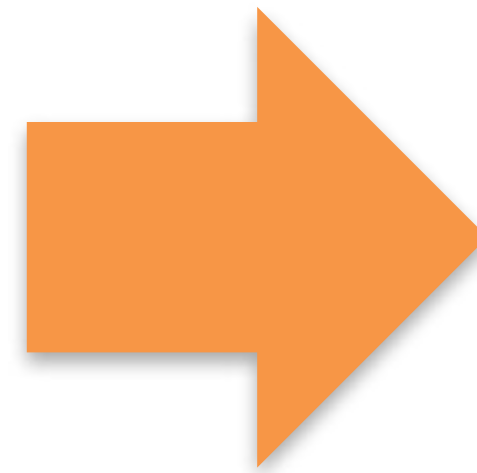
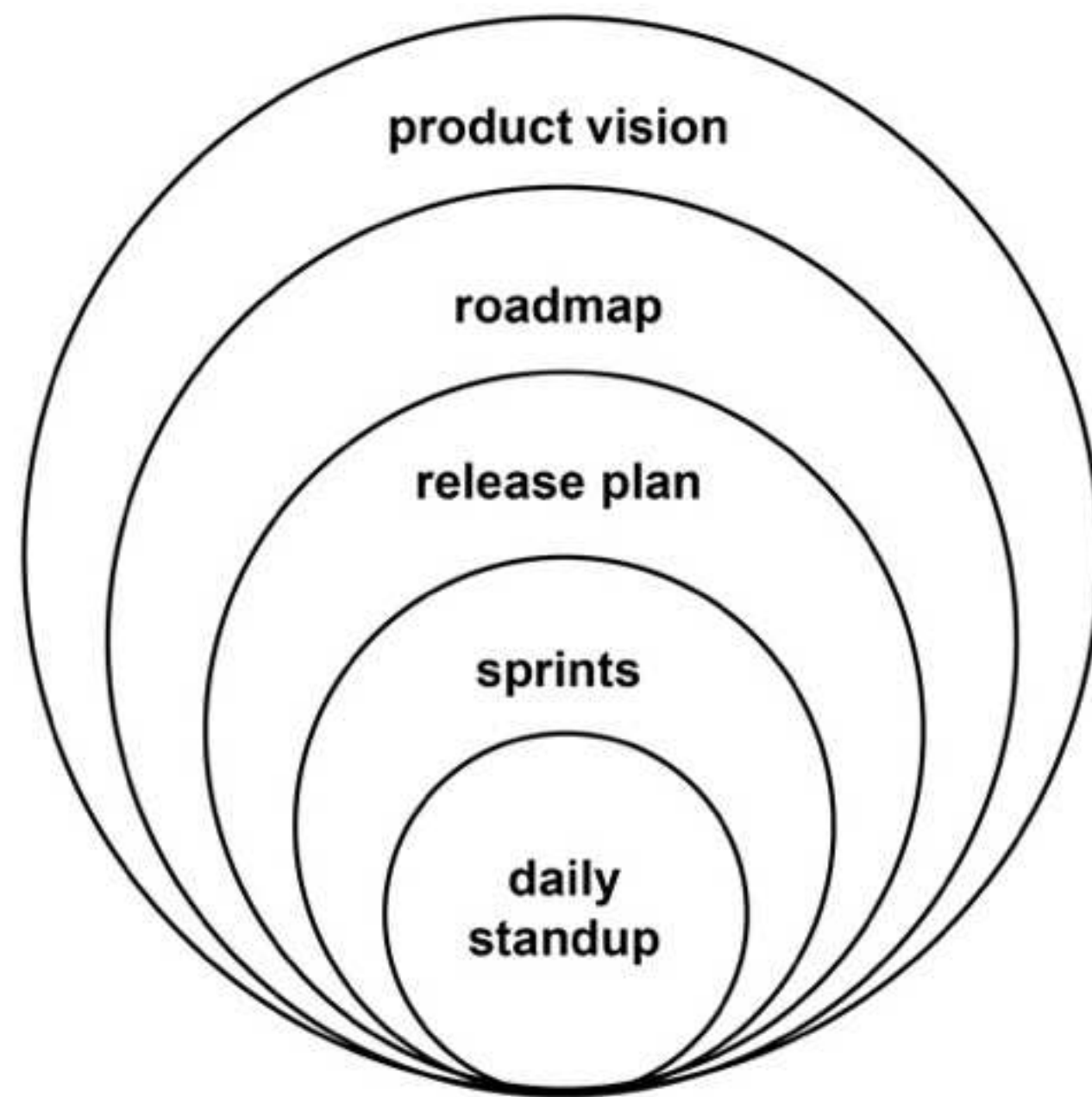


Agile Innovation

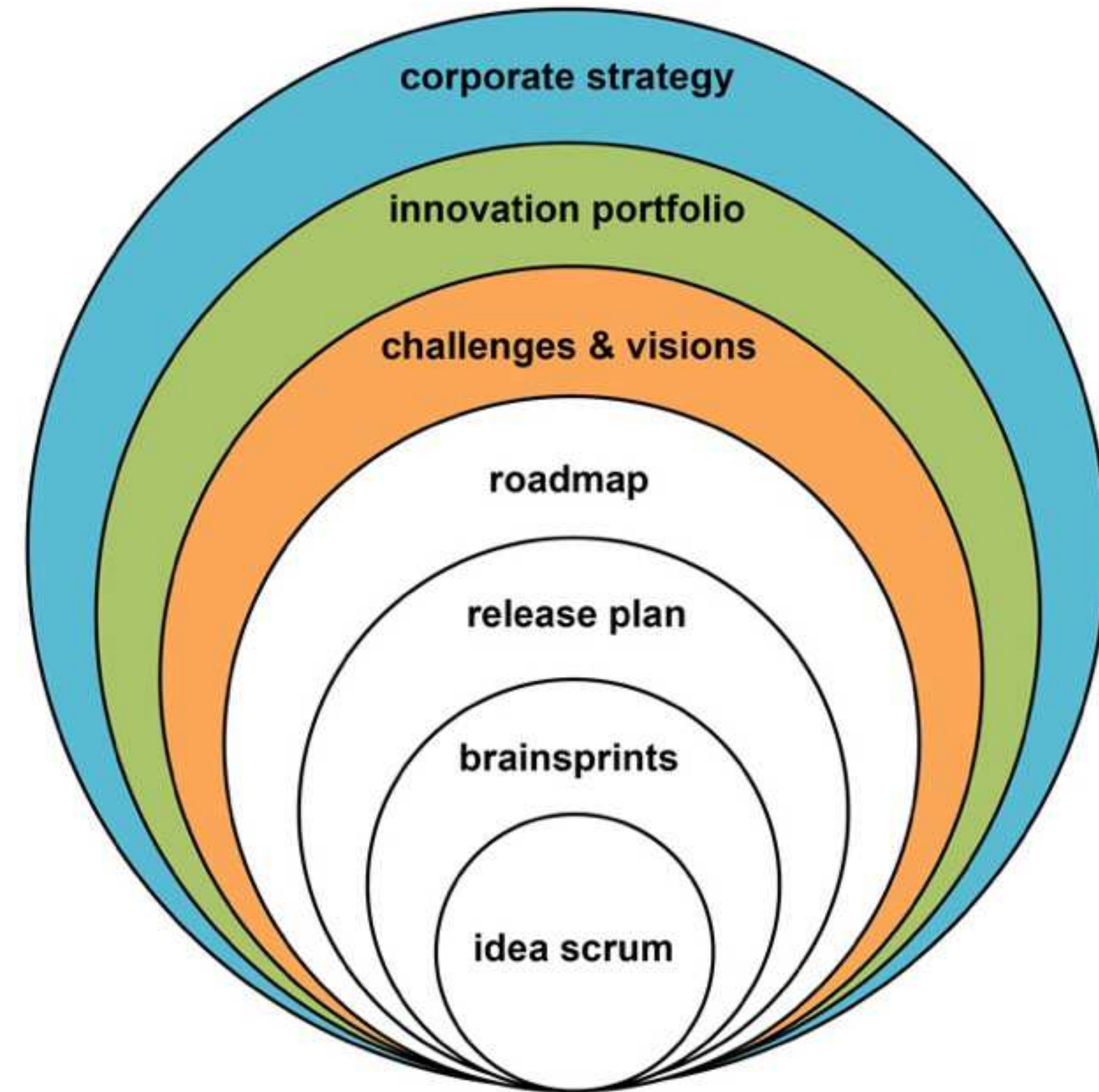


Innovation Scrum

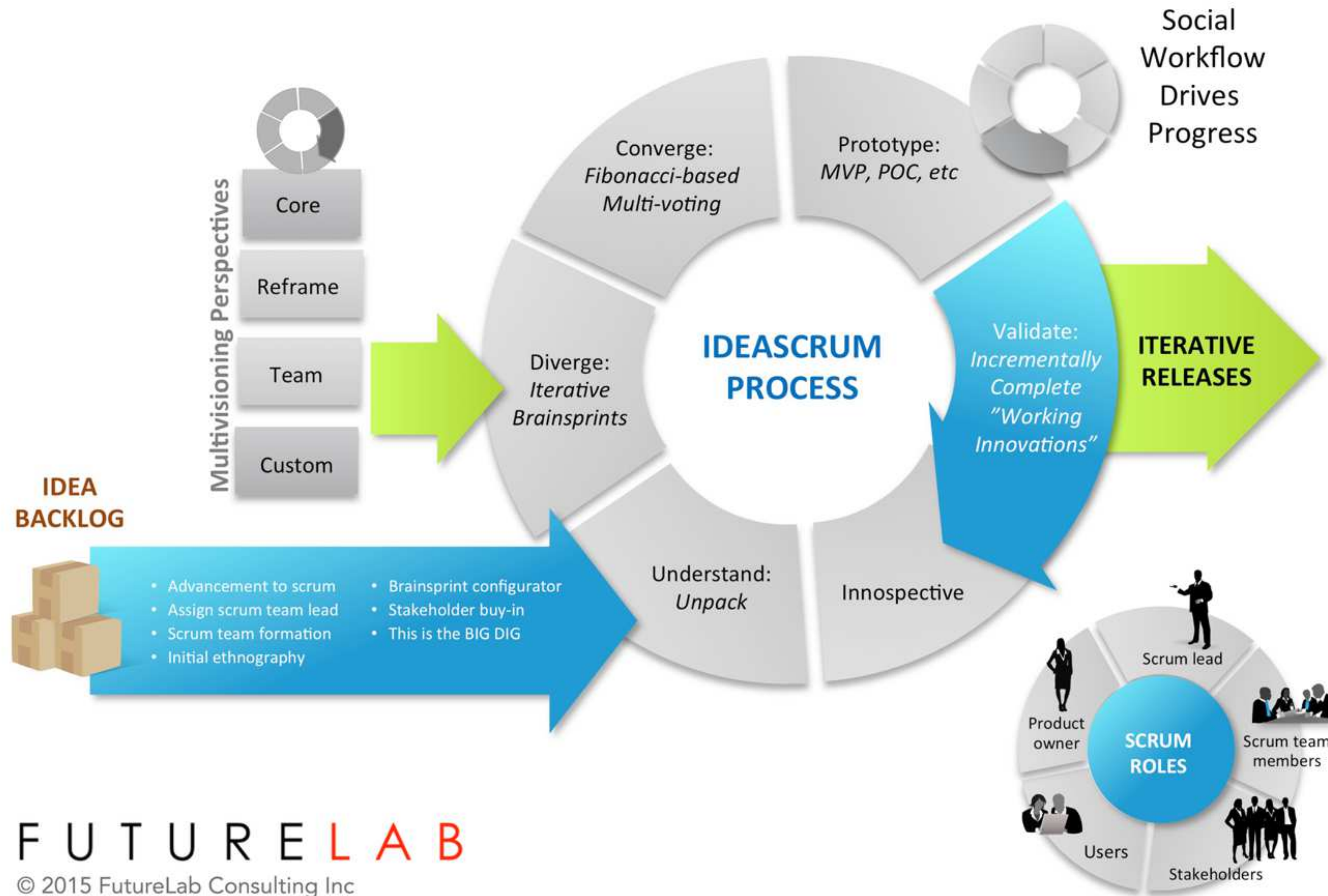
Agile model



Agile Innovation model



Our Way to do Scrum for Ideas



The Problem

How to move the needle



Margot Golding, formerly EVP Wholesale Loan Servicing Wells Fargo...

“We wanted to ramp up innovation in a group that was considered by some to be ‘one of the less innovative’ in the company, with no expectation that things would change in any substantive way, since improvements were thought to have been ‘wrung out’ of the system over the previous decades.”

HERE’S THE SOLUTION



FutureLab Process:

- Detailed ethnographic assessment
- Intensive six week innovation training
- Dedicated Thinkspot brainstorming rooms
- New ideation software tool – configured to rewrite that group’s cultural DNA

The Result: –400 people produced 700 ideas within 6 months, outperforming the “more innovative” groups by a factor of 10x.

Here's
Our
Solution

OS/i

- **OS/i is the Operating System for Innovation**
- Leverages machine learning & computation linguistics to simplify the idea harvesting process
- Leverages “social workflow” to track collaboration efforts via lightweight Agile
- System is fully open to empower collaboration at a higher level
- It's how we put the “Agile” in Agile Innovation
- Fully enabled for mobile computing; SAAS soon



100 Ideas to Change the World

< Back



Langdon Morris

Can we make a better dashboard that works on my iPhone?

Posted :09 May, 2015
Version :1.0



How come
Can't we c
in C4D by

This Idea was IDEASCRUM p

Comment

Tutorial: How to Idea Scrum

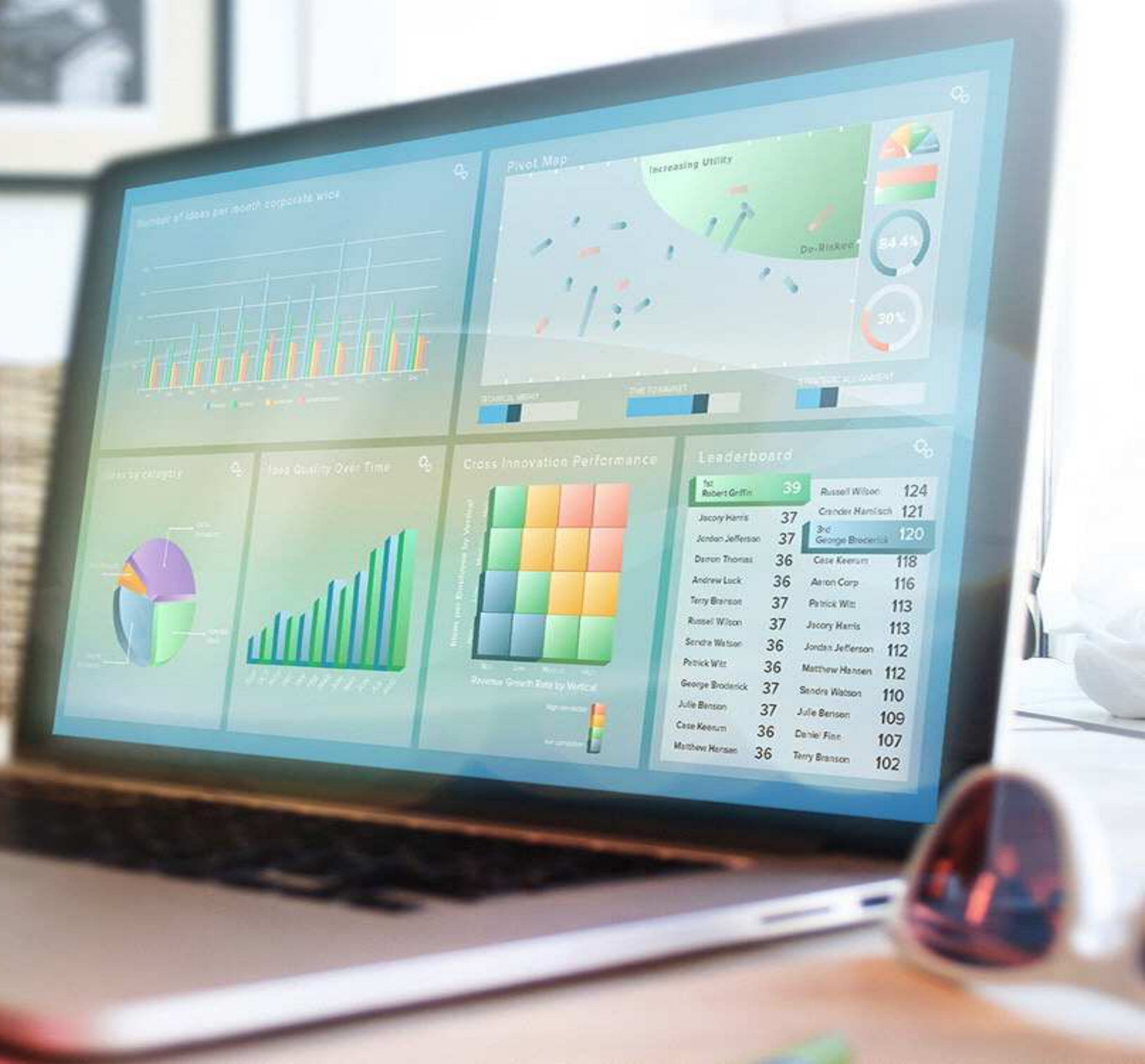
crowdlaunch.it

Langdon Morris
Founder, Innovation

Post Your Comment

Simplifies the idea harvesting process, using an Agile approach, enabling both contests & strategic initiatives to be used, and integrates advanced gamification

InnoMetrics uses adaptive boosting to enable smarter analysis of ideas in your innovation pipeline. Novel pivots map technology enables self-optimizing teams.



really understanding innovation

From



To

Adhoc Invention

Managed Innovation

Gut Feel

Structured and Validated

Serendipitous

Well Organized

Opportunistic

Directed and Purposeful

Localized R&D

Globalized Multi-disciplinary Collaborative Teams

Project Mgmt Discipline

Agile Innovation Mgmt Discipline

Product Function

Customer intrinsic model

FUTURELAB

scruminc.

AGILE + INNOVATION

A WORKSHOP FOR QUANTUM LEAP THINKERS

with special guest facilitator

JEFF SUTHERLAND
Agile Guru & Co-Creator of SCRUM



Be there!
Silicon Valley
July 16-17, 2016

Early Bird
Registration



www.futurelabconsulting.com/index.php/insights/workshops/agile-innovation-with-co-facilitator-jeff-sutherland/individual-registration

Large Agile Practitioner Summit (LAPS) Wed, 2016-July-20 @ SAP Palo Alto

Dr. Boris Kneisel, SAP SE
2016-May-24



What is LAPS? – What is the Purpose?



Closing time

Poll

Please participate in our exit poll

Contact

Moses Ma – moses.ma@futurelabconsulting.com

Jeff Sutherland – jeff@scruminc.com

Parting thoughts

“If you always do what you always did, you will always get what you always got.” – Albert Einstein

“Innovation is the ability to convert ideas into invoices.” – L. Duncan

“The key to success is for you to make a habit throughout your life of doing the things you fear.” – Vincent Van Gogh