Best Practices of Agile Teams

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v3.0.5

Today:

Which practices separate great agile teams from others?

iop 5 things the best agile

iop 5 things the best agile

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teams get right, every time!

teams get right, every time! agile teams from others? The 5 things wrong!!

Practicalities

A barely organized list of good and bad things

Not actually a Scrum talk; it's just common.

Clarifying questions welcome!

Who am I



Jakob Buis

Developer

Team lead

Engineering Manager

Management consultant

Professional team builder

www.jakobbuis.nl (now with blogging!)

Should you listen to me?

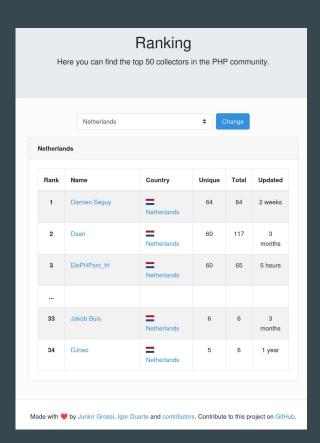
Yes, because:

Never been fired

Herd of 7 elePHPants

Worked with 15+ agile teams in various companies & industries

Professional Scrum Master II





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Yes, because:

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Worked with 15+ agile teams in various companies & industries

Professional Scrum Master II

No, because:

I fuck up, a lot

Worked with 16 teams

Mostly in smaller companies (< 300 people, < 30 engineers)

Most of my ideas come from other people (links included!)

Avoid this



Daily Scrum on Mon & Wed Demo work not completed Retrospective every 3rd sprint

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Scrum doesn't work for us

Learn your method

Read the Scrum Guide

Read a book

Take a course



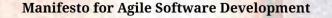
Fixing Your Scrum



Avoid this

Working tested software, every sprint

Avoid this



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.

Kent Beck Mike Beedle Arie van Bennekum Alistair Cockburn Ward Cunningham Martin Fowler James Grenning Jim Highsmith Andrew Hunt Ron Jeffries Jon Kern Brian Marick

Robert C. Martin Steve Mellor Ken Schwaber Jeff Sutherland Dave Thomas

this declaration may be freely copied in any for

Twelve Principles of Agile Software

View Signatories

About the Manifesto

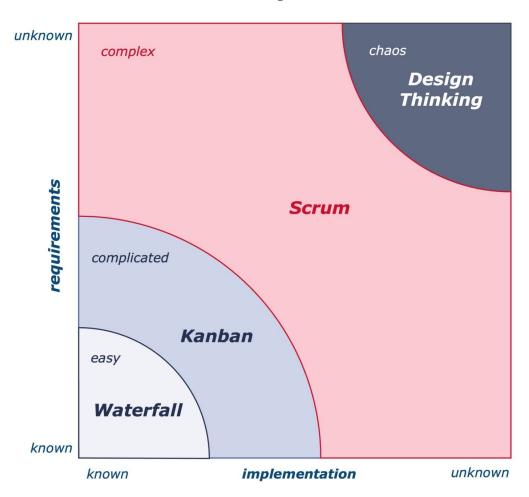
Principle 1:

Our highest priority is to satisfy the customer through early and continuous delivery of valuable software.

Principle 7:

Working software is the primary measure of progress.

Stacey Matrix



SPRINT REVIEW



STAKEHOLDERS

FEEDBACK

Working tested software, every sprint

Get really good at vertical slicing

Start here: https://www.youtube.com/watch?v=urZ1TIycedU

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Erase all dependencies

- decoupling architecture & operations
- team changes (Team Topologies)
- incur (some) technical debt

Working tested software, every sprint

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Avoid big-design up-front

Working tested software, every sprint

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Know how the product is used

Avoid this

SPRINT REVIEW





There is nothing so useless as doing with great efficiency that which should not be done at all.

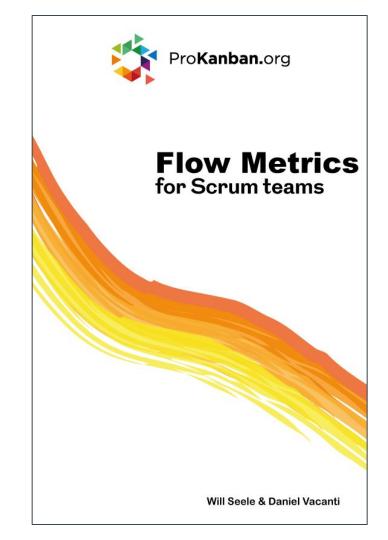
Peter Drucker

Add tracking tables

feature_foo_clicks		
id	user_id	timestamp
1	1	2025-03-10T14:30:10Z
2	2	2025-03-10T14:31:23Z
3	1	2025-03-11T09:16:00Z
4	3	2025-03-12T04:10:59Z

Board expansion

- 1. Options (Backlog)
- 2. Discovery
- 3. Building
 - a. Not started
 - b. Coding
 - c. Code Review
 - d. Ready for release
- 4. Validating
- 5. Done



Working tested software, every sprint

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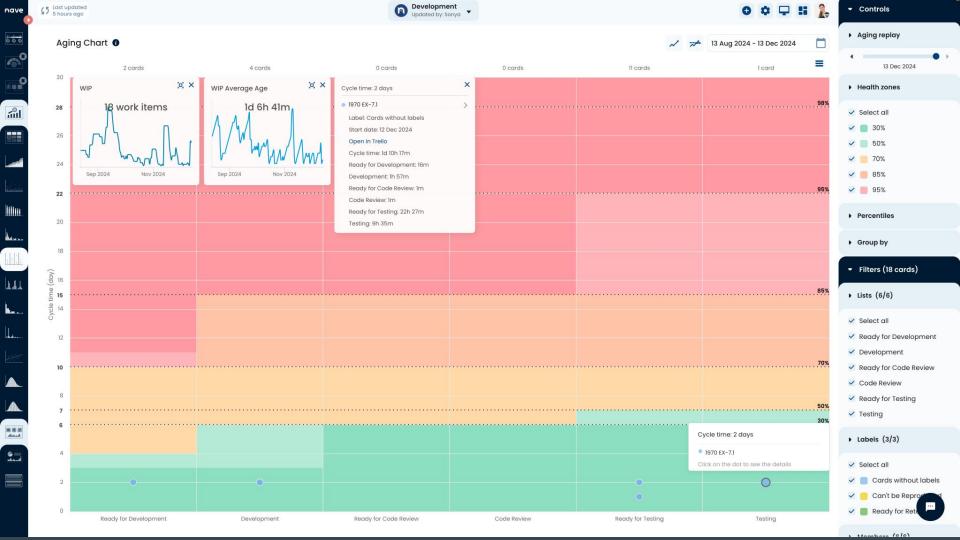
Working tested software, every sprint

Know how the product is used

Do all work on the board

Avoid this





Do all the work on the board

Create item: [title] + [assigned you] + [in progress]

Consider skipping ticket when:

- doing it right now
- takes < 10 minutes (and you're 99% certain)
- is a repeating action (automate it!)

Try a physical board

Bias to having a single board per team. Items <u>never</u> go back: stuck is preferable.

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Experiment before complete methodology

You're not smarter than the customer



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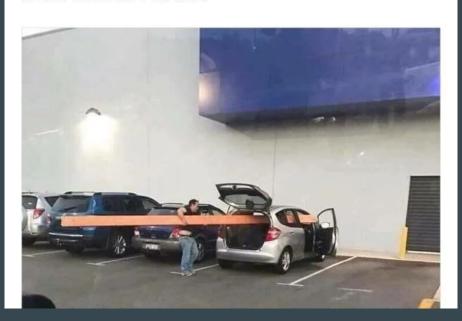
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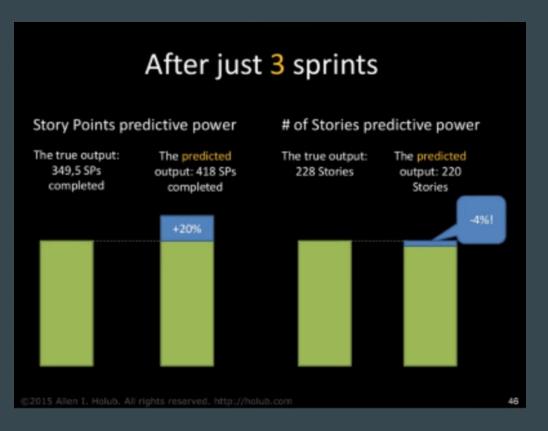
You're not smarter than the customer

Estimation

This guy is a software engineer, you can tell by his awesome estimation skills



#NoEstimates



#NoEstimates (Allen Holub)
https://www.youtube.com/watch?v=QVBInCTu9Ms

Don't estimate

Good:

multi-point estimates

same-sizing everything: "I story point" and "too big" https://mdalmijn.com/p/roman-estimation-a-simple-easy-and

Better:

use data

Monte Carlo simulation

Record throughput per day:

0 7 2 6 6 3 7 2 9 1 13 0 0 2 4

Monte Carlo simulation

Record throughput per day:

0 7 2 6 6 3 7 2 9 1 13 0 0 2 4

Sample next 5 days:

2 0 2 7 0

Monte Carlo simulation

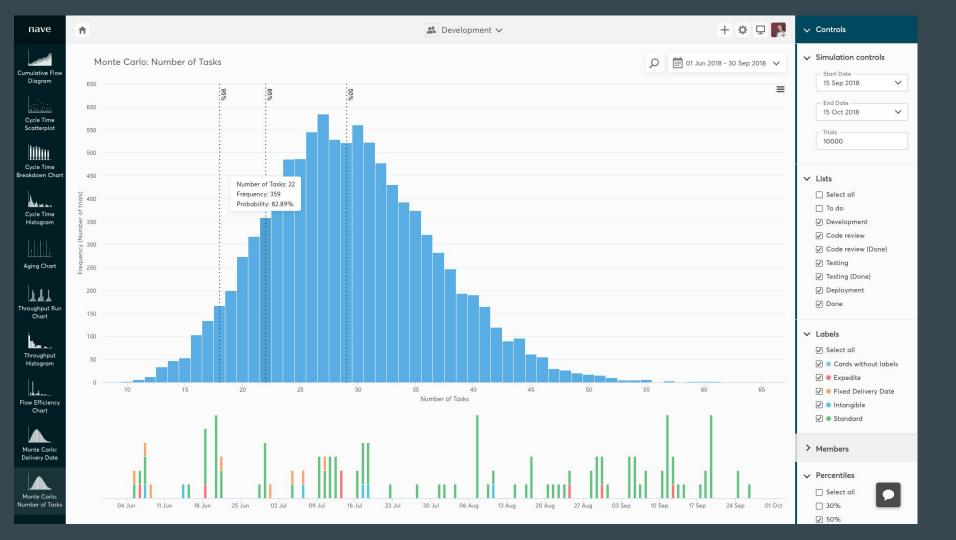
Record throughput per day:

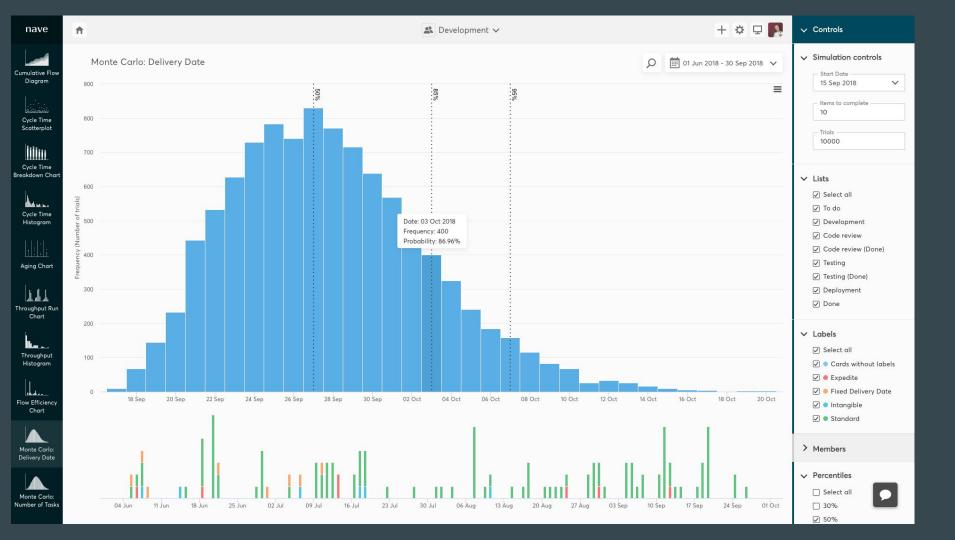
0 7 2 6 6 3 7 2 9 1 13 0 0 2

Sample next 5 days:

 $2 \quad 0 \quad 2 \quad 7 \quad 0 = 11$

Next week, we'll finish 11 stories





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Estimation

Working tested software, every sprint

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Do all work on the board

Have a strong Definition of Done

Avoid this

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Estimation



Have a strong Definition of Done

Absolute

Automated

Agreed with PO

Have a strong Definition of Done

Absolute

Automated

Agreed with PO

Never lie about Done

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Ineffective retrospectives





Make retrospectives effective

1-2 high priority improvements, implemented next sprint

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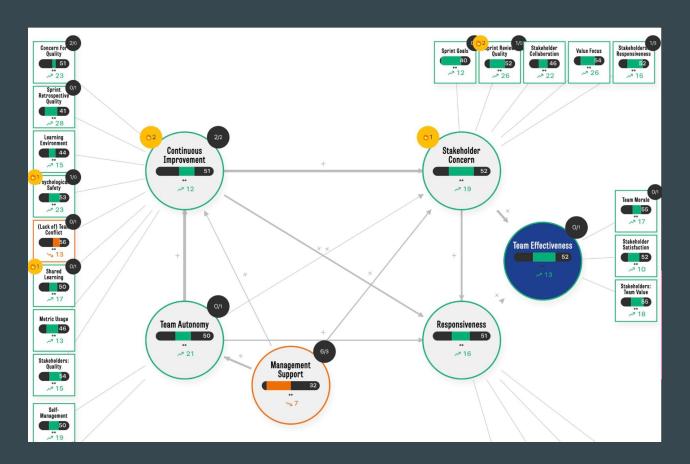
Escalate what you cannot solve

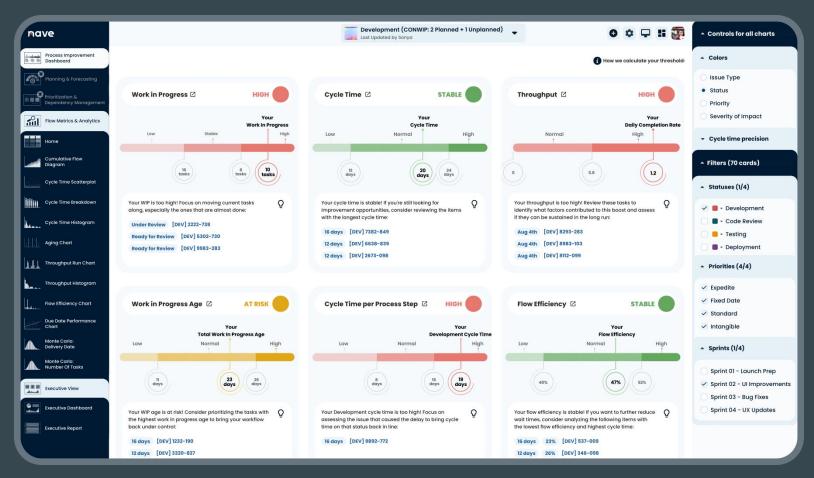
Make retrospectives effective

1-2 high priority improvements, implemented next sprint

Escalate what you cannot solve

Data-driven decision making





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Deal with technical debt



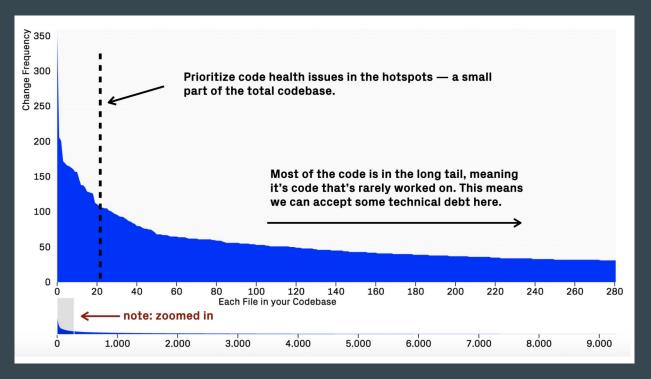
CONSIST

V

C



Prioritize changing files



https://www.getunleash.io/blog/manage-technical-debt-measure-the-impact-and-prioritize-improvements-quided-by-development-data

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Solve business problems

Avoid this

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MANDATE LEVELS

@johncutlefish

Effort is happening at all of these levels concurrently. It is all connected (explicitly, and often implicitly).

Α	Build exactly this [to a predetermined specification]			Developers				
В	Build something that does [specific behavior, input-output, interaction]			?				
С	Build something that lets a segment of customers complete [some task, activity, goal]		Designer			Develo		ners
D	Solve this [more open-ended customer problem]						Developers	
Е	Explore the challenges of, and Improve the experience for, [segment of users/customers]	PM -			PM	Designer		
F	Increase/decrease [metric] known to influence a specific business outcome	More rigid						
G	Explore various potential leverage points and run experiments to influence [specific business outcome]							
Н	Directly generate [short-term business outcome]		Less rigid					
I	Generate [long-term business outcome]							

Solve business problems

Don't start here

Working software in the customers hands

Build a prototype

Get users in the room while designing

Working tested software, every sprint

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To do

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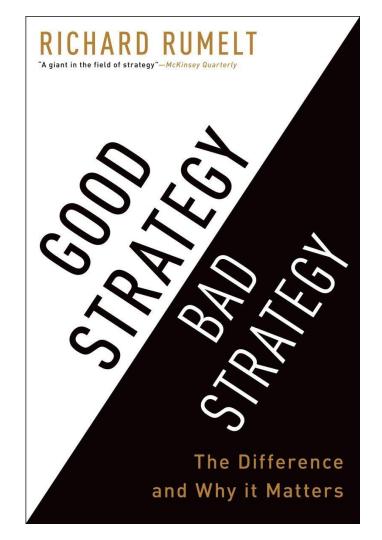
Ineffective retrospectives

Consistent architecture

How to get started

"A giant in the field of strategy"—McKinsey Quarterly The Difference and Why it Matters

The kernel of a strategy contains three elements: a diagnosis, a guiding policy, and coherent action.



That's all!

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Contact, blog & slides @ www.jakobbuis.nl