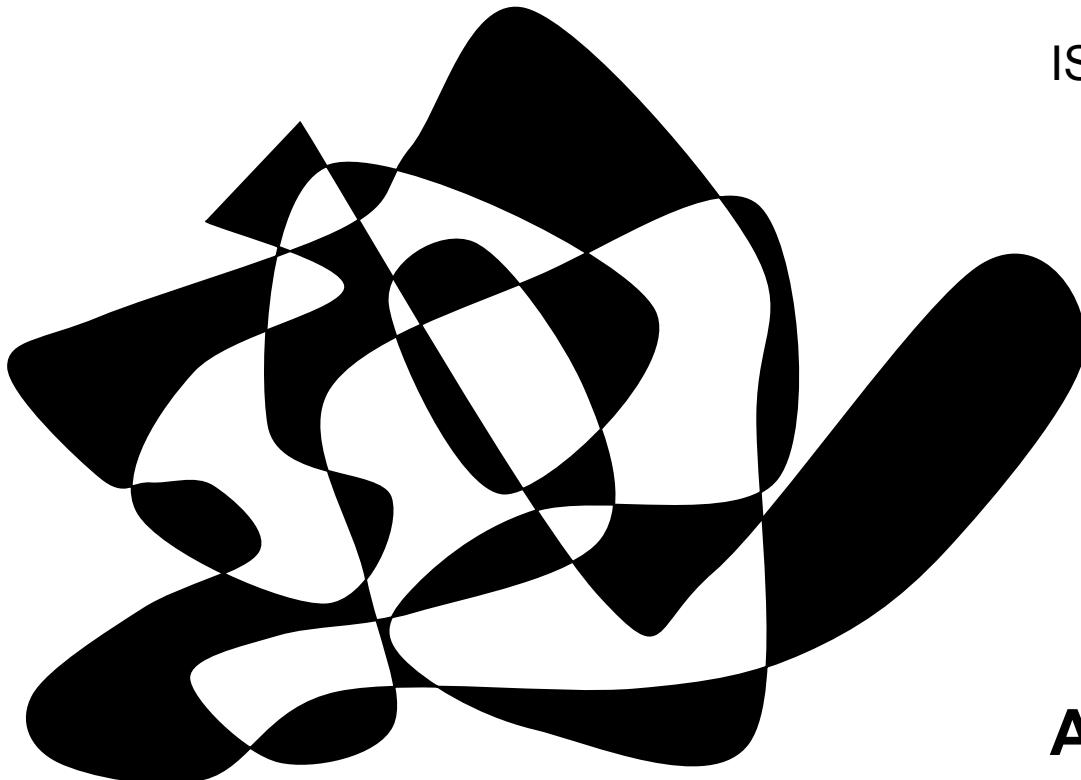


# **Advanced Project Management**

IS 594, Section PJ



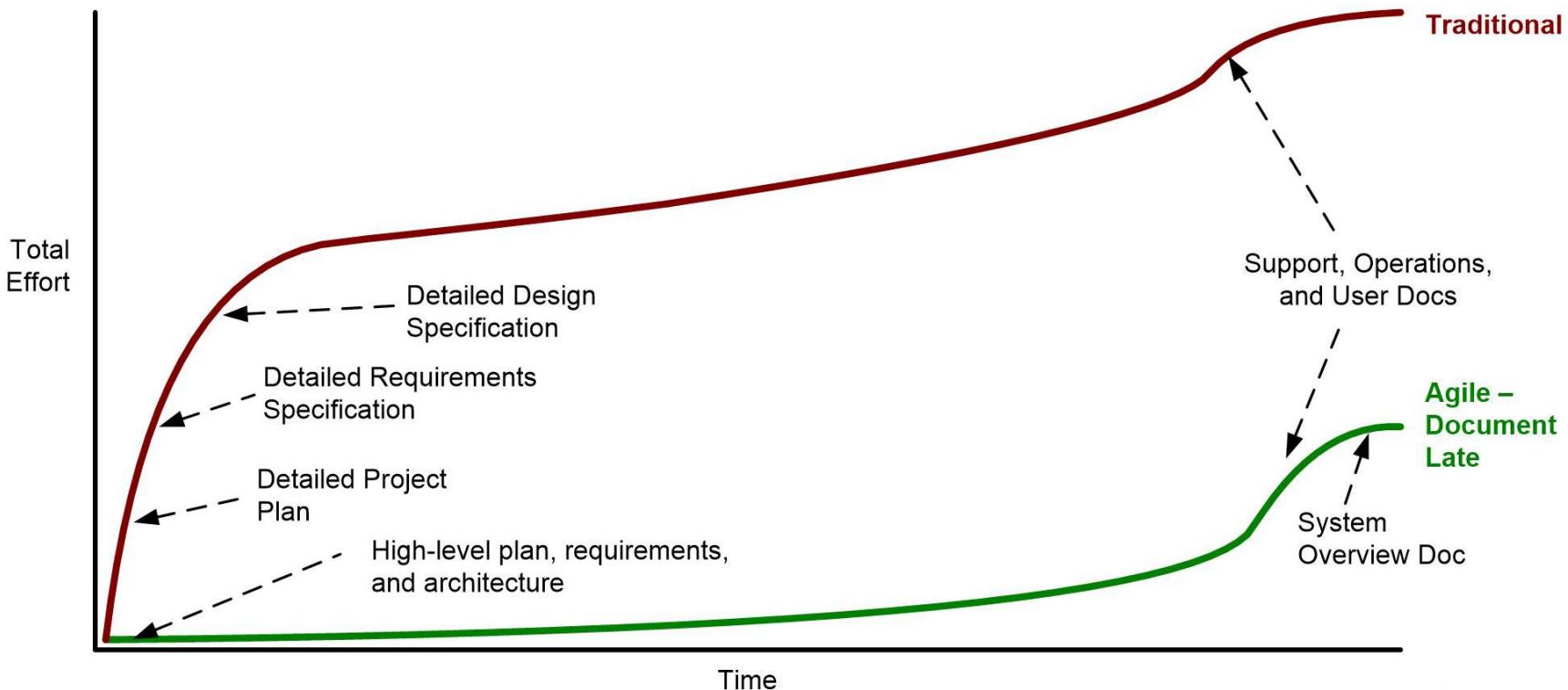
**Agile II (Sprints)**

# The Sprint Model and Agile Methodology



# Core Practices for Agile/Lean Documentation

<http://agilemodeling.com/essays/agileDocumentationBestPractices.htm>



# Core Practices for Agile/Lean Documentation (con't)

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Keep documentation just simple enough, but not too simple.

Write the fewest documents with least overlap.

Put the information in the most appropriate place.

Display information publicly.

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Keep documentation just simple enough, but not too simple.

Write the fewest documents with least overlap.

Put the information in the most appropriate place.

Display information publicly.

Iterate, iterate, iterate.

Find better ways to communicate.

Start with models you actually keep current.

Update only when it hurts.

# Types of Documents

The Reference File  
(technical details)

Why Would I Use It?  
FAQ

The Cookbook File  
(how-tos and instructions for  
specific tasks)

What are Its Functions and  
What Do They Do? FAQ

The README File  
(showcase)

How do I Install This  
Project and Use Its  
Code?

The Guide File  
(takes used by the hand)

The Blog Post  
(answers to why questions)

# The Sprint Model and Agile Methodology

A short, time-limited period where a team strives to complete a set amount of work.

*"With scrum, a product is built in a series of iterations called sprints that break down big, complex projects into bite-sized pieces"*

## 2020 Scrum Guide

<https://scrumguides.org/scrum-guide.html>

As part of Scrum, Sprints are how ideas are turned into value.

## Scrum Sprints (Atlassian)

<https://www.atlassian.com/agile/scrum/sprints>

# The Sprint Model and Agile Methodology

## Sprint Planning

- lay out the work to be performed. Plan created through collaboration with entire Scrum team.
- **product owner** ensures that attendees are prepared to discuss the most important backlog items and how they map to the goal.
- team may also invite other people to attend planning and provide advice.

## Before you start, what are the overarching goals

- why is this Sprint valuable?
- what can be done during this Sprint?
- how will the chosen work get done?

# The Sprint Model and Agile Methodology

## Failure points of the Sprint model:

- person in charge of backlog (single point of failure)
  - must adequately refine list of issues pre-Sprint.
  - must do an adequate review of issues post-Sprint.
- need product owner to supply the “why” or what you are doing (vision can be too vague).
- Sprint team must see value in meeting structure, keep building things “just in time”.
- works well for software engineering and design, but not well for other things?

# Docathon as an Instance of a Sprint

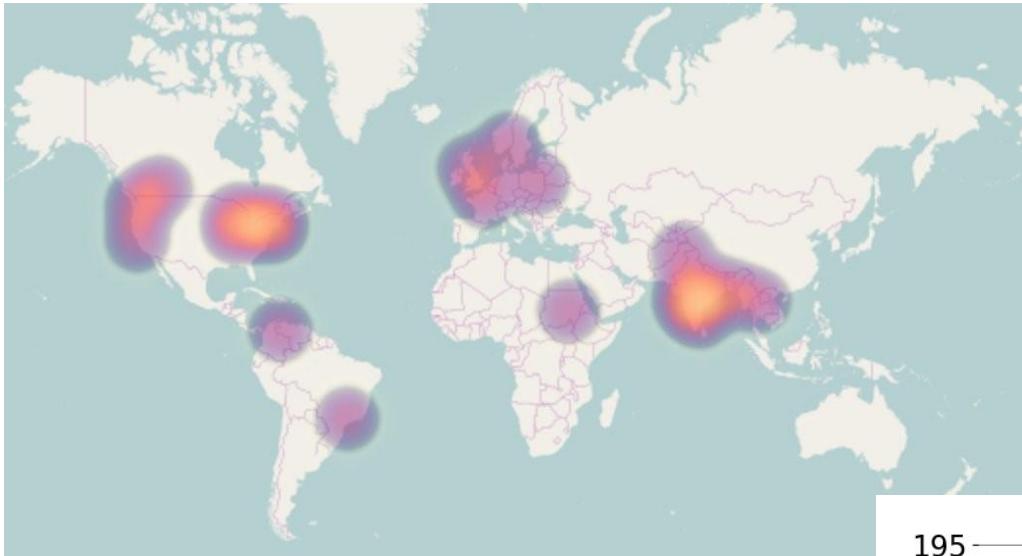
## Tales from the Docathon: How to Get Communities to Write Documentation

<https://bids.berkeley.edu/news/tales-docathon-how-get-communities-write-documentation>

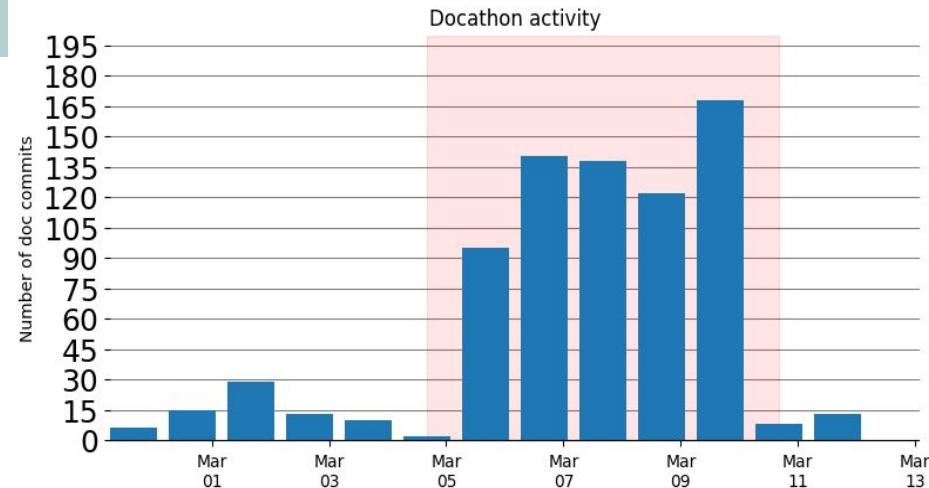
**Problem:** documentation is undervalued and underdeveloped, but provides an entry point and guide to the project.

**Docathon:** week-long coding sprint. More time devoted to examples, tutorials, and guides to project.

- event should be flexible with respect to topics, involvement, but be introductory and coherent enough so that anyone can follow along.
- review tools that improve adherence to standards and best practice.



# Docathon Sprint in Space and Time



# Docathon as an Instance of a Sprint

## Docathon 2021

The first Mattermost Docathon is being held from July 26th to August 6th 2021. Take a look at our [blog post](#) if you haven't already.

### What's a Docathon?

A docathon is a hackathon for product documentation.

### Why a Docathon?

Documentation isn't written in a vacuum, and it's important to see the customer's documentation journey through the eyes of our Mattermost community. The best way to do that is to get our community involved! Documentation is also a great way to get started on your open source contribution journey as it's usually how you get to know the product.

### Who can participate?

The Docathon is designed to provide opportunities for all contributors to get involved, whether new to open source or seasoned contributors. Help us solve technical tooling challenges. Write mobile steps for Mattermost messaging tasks. Correct inaccuracies and inconsistencies. Add or update screenshots, labeled images, animated GIFs, and videos. How do you want to improve the Mattermost product documentation?

### Can Mattermost staff help?

Absolutely! Here are some ways you can get involved:

- **Help us merge PR submissions:** This includes helping us go through the PRs with the **Docathon 2021** label, making sure PRs follow our style guide, and fixing any grammatical issues. This isn't an extremely rigorous process - we just want to make sure anything merged follows some standardization.
- **Help review technical content for accuracy:** Actively monitor the **-Docathon 2021** channel, respond to questions, and engage community members who post with questions or concerns. You can also help by being open to contributors messaging you directly if they have questions and prefer not to ask in the public channel, and relay any feedback back to the



Focus on product documentation (instructions that improve use).

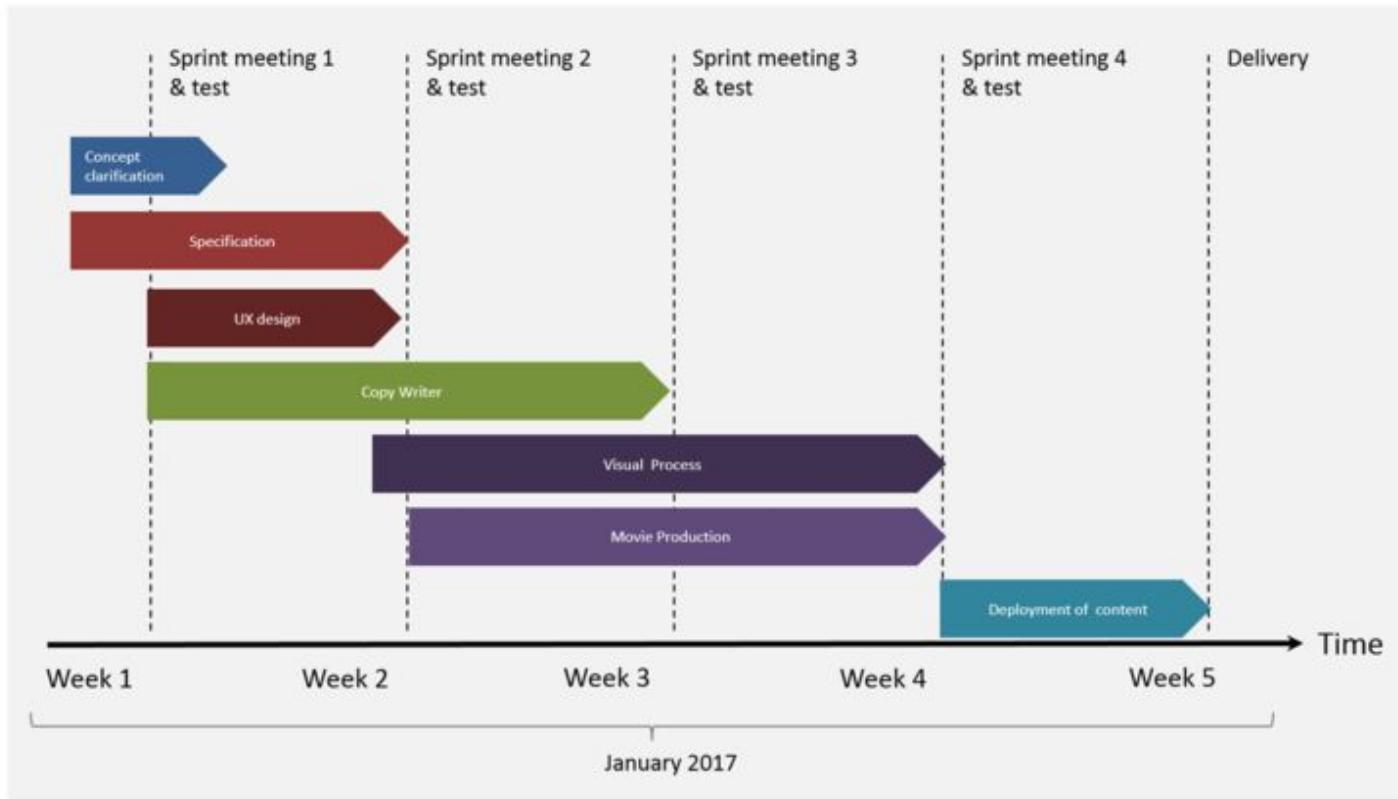
**Be involved:** Review technical content for accuracy, monitor channels for questions, create revised content.

## Mattermost Docathon 2021

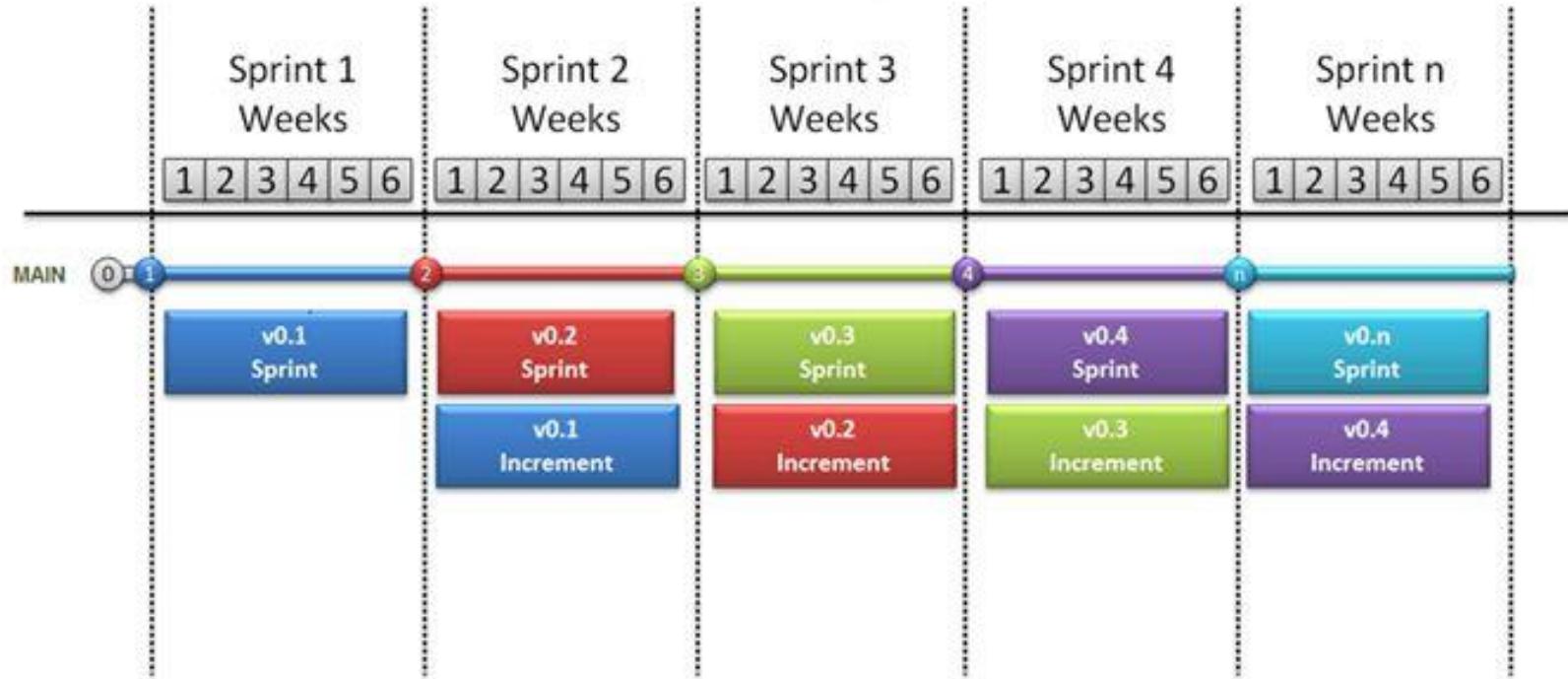
<https://handbook.mattermost.com/operations/research-and-development/product/technical-writing-team-handbook/docathon-2021>

# **Planning (Mastering) a Sprint**

# 4 Weeks Sprint Plan

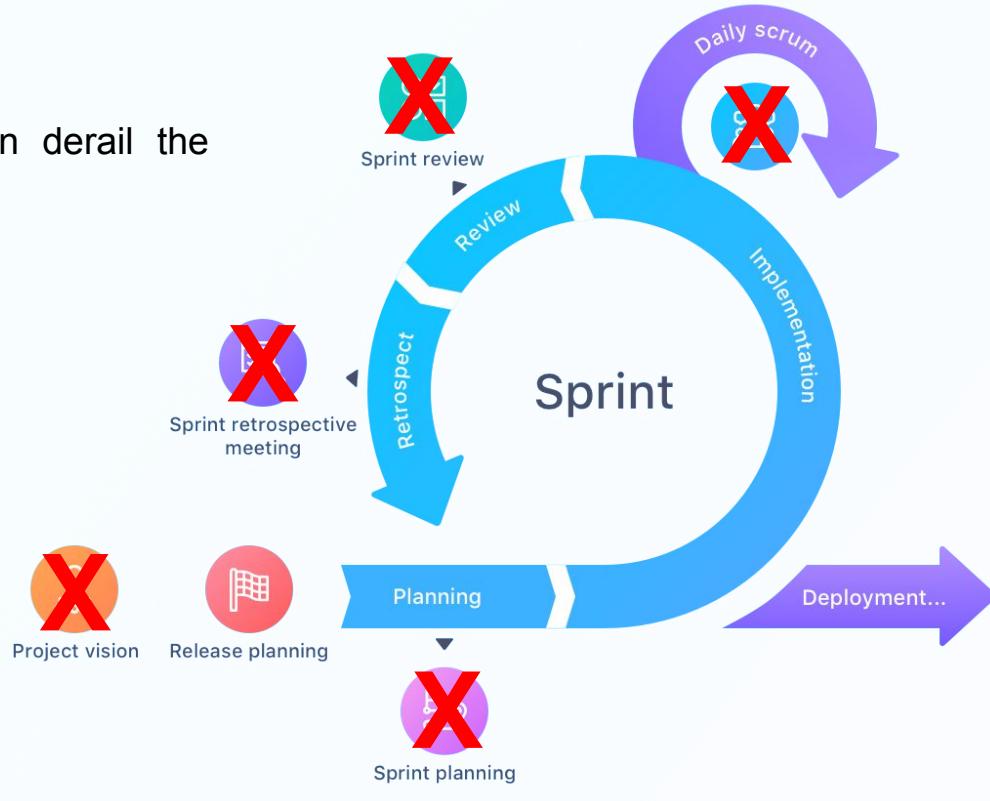


# Six-Week Sprints



# The Sprint Model and Agile Methodology

Any one failure point can derail the entire project (too brittle?).

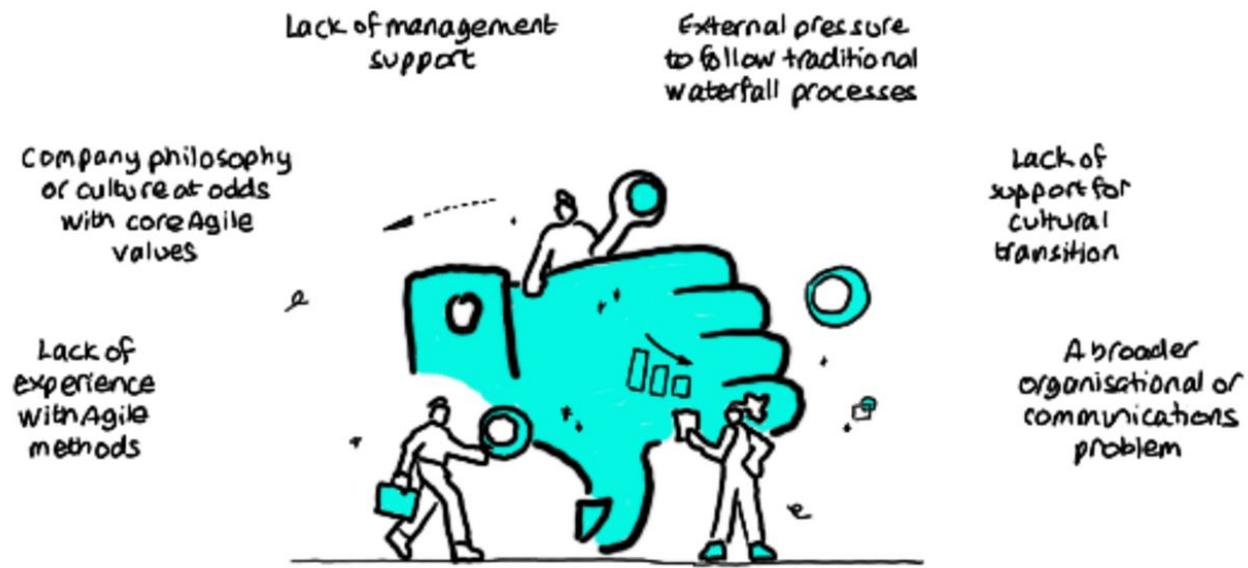


Miller, G. J. (2013). Agile problems, challenges, & failures. PMI Global Congress.

Around 50 challenges found via internet search:

- 1) inadequate communication.
- 1) day-to-day operations.
- 1) Buy-in from management, stakeholders, teams.
- 1) changing mindsets (culture shift).
- 1) Team members with the proper experience and intuition.

# What causes Agile projects to fail?



How adopting Agile can destroy your organisation. Simon Goodchild Medium.

[https://medium.com/@simon\\_95798/how-adopting-agile-can-destroy-your-organisation-27e0d48dace1](https://medium.com/@simon_95798/how-adopting-agile-can-destroy-your-organisation-27e0d48dace1)