# Jition How to improve a COMPLEX System?

Some more ideas ...

14. December 2024 ALCOR.academy Beyond Architecture Training Presentation Day 🞓

TO BIO STOR BOS

Christmas 🕹



peter.koch@css.ch https://twitter.com/petikoch https://www.linkedin.com/in/petikoch







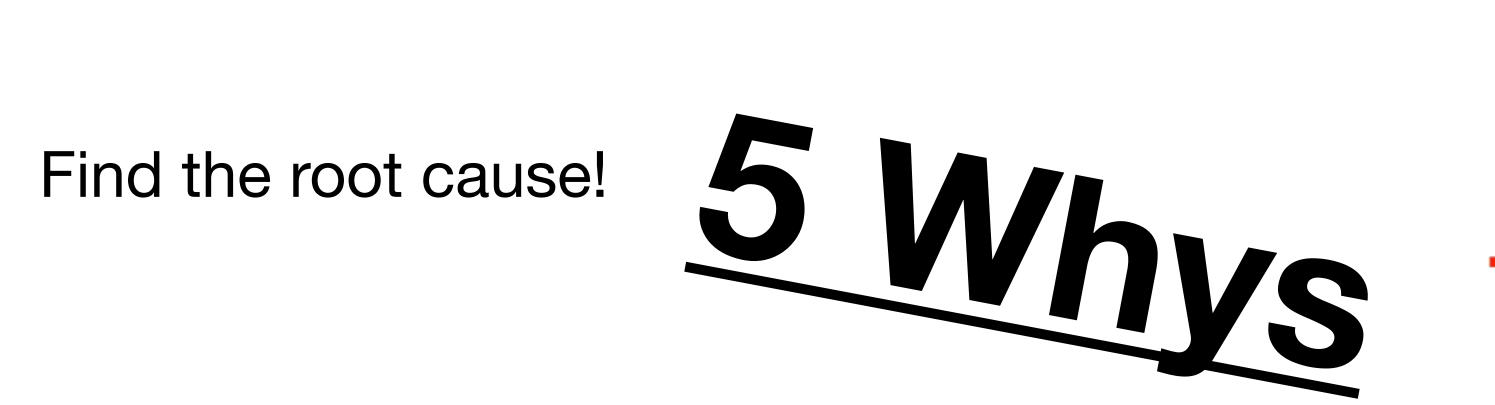
### You discovered that you are dealing with a COMPLEX system. "

-Peti

## **Beyond Architecture Training** Lesson #4









Eliyahu M. Goldratt

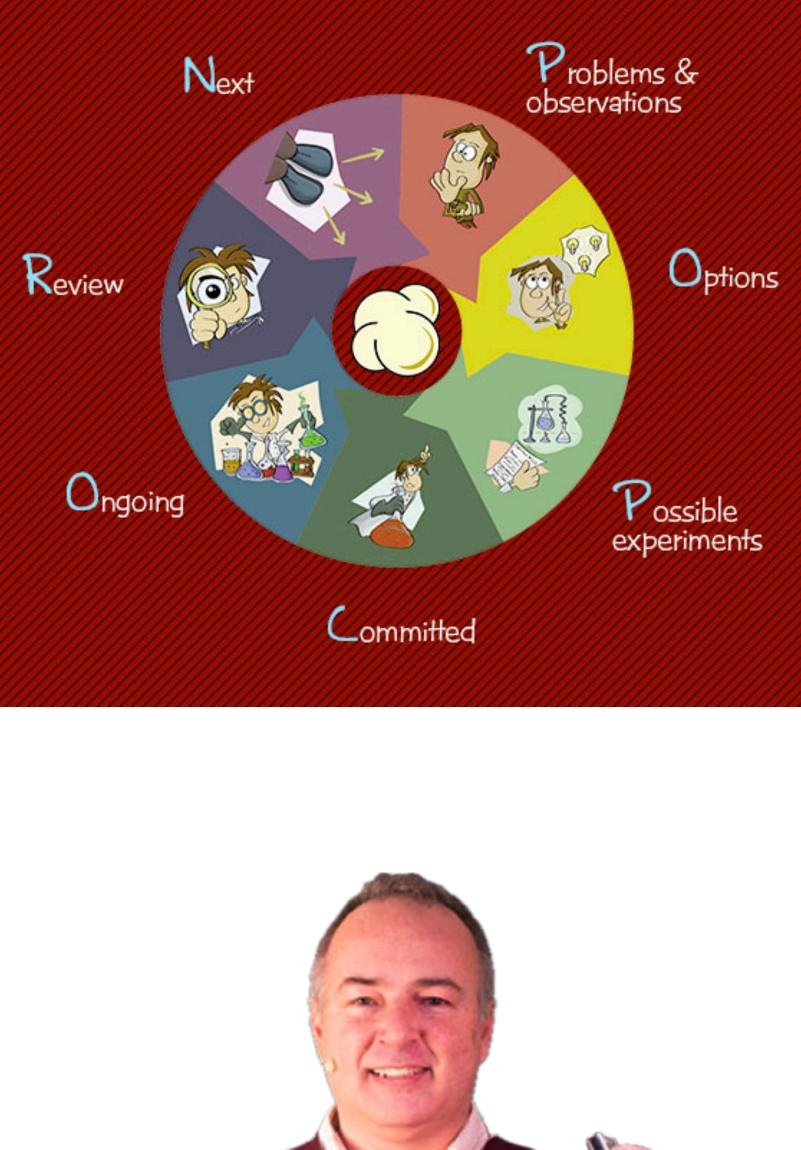


## But... there is more!



# **Popcorn Flow**

Problems and observations	<b>O</b> ptions	Possible experiments	Committed experiments	Ongoing experiments	Review	Next
Lack of understanding by non-technical people of the benefits of TDD	Ignore the problem Suggest perusing books/articles that expose the benefits of IDD Organize tailored introduction to WSBC non-technical audience	Publish a wiki article explaining the benefitsPublish article in the WSBC technical blog explaining the benefitsOrganize lunch 'n learn session to present hands-on demonstration of TDD to non-technical audience	Organize lunch 'n learn session to present hands- on demonstration of TDD to non-technical audience		Expected to clarify TDD to non-techies Received great questions during the session It seems easier to explain TDD to non-techies Easier to learn from fresh start than it is to first have to unlearn old habits	Repeat the experiment, this time with engineers in attendance. Curious to get the feedback from technical autoence.
Lack of actionable metrics for code quality	Let teams decide how to respond to code quality issues Instigate code quality review by mandating PRs Automate code quality review by adding static code analysis to the CI pipeline	Use SonarQube to generate code quality reports Use Microsoft app.Metrics nuget to generate code quality reports Use Microsoft app.Metrics nuget to generate code quality reports as part of Automated Building Code	Use Microsoft app.Metrics nuget to generate code quality reports as part of Automated Building Code	Use Microsoft app.Metrics nuget to generate code quality reports as part of Automated Building Code		





#### **Claudio Perrone**

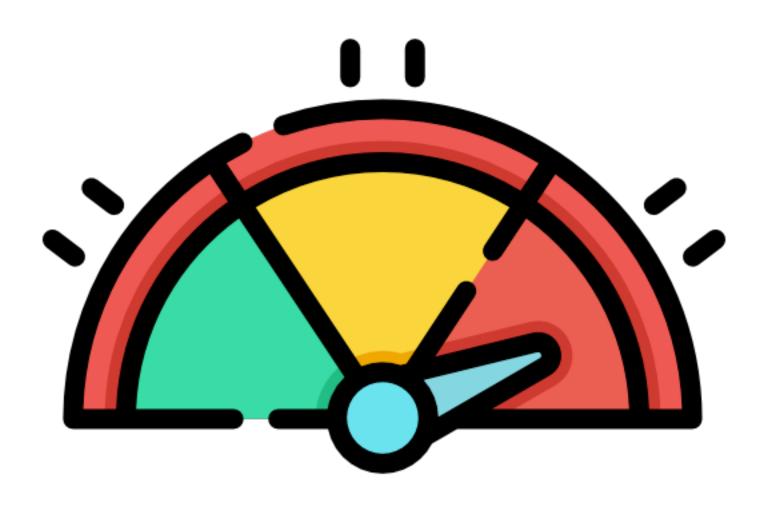
## Another tool!!! Yeah 😂 🙌

### FASCINATING





## Being busy





#### Improvement Secon-Work dary Secon-Work dary Work Primary **Primary** Work Work NUMBER OF STREET STREET BOOK IN SWEDIN THIS IS RESOLVING THE EFFICIENCY PARADOX STATES MORE & FOR MESSING

NWWITE PERSON

100%

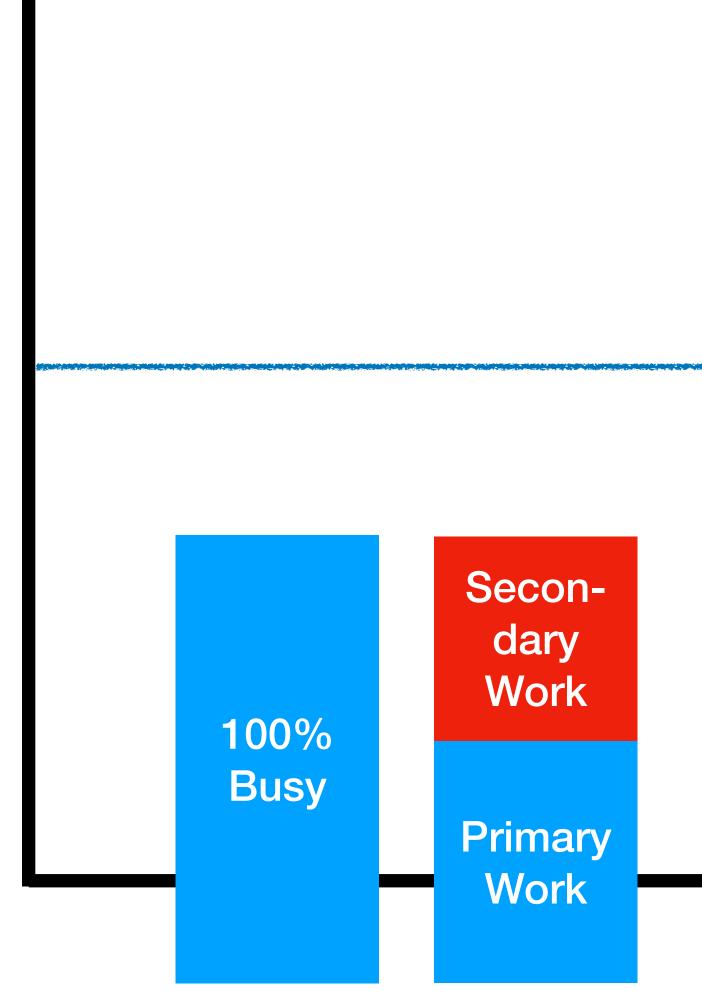
**Busy** 

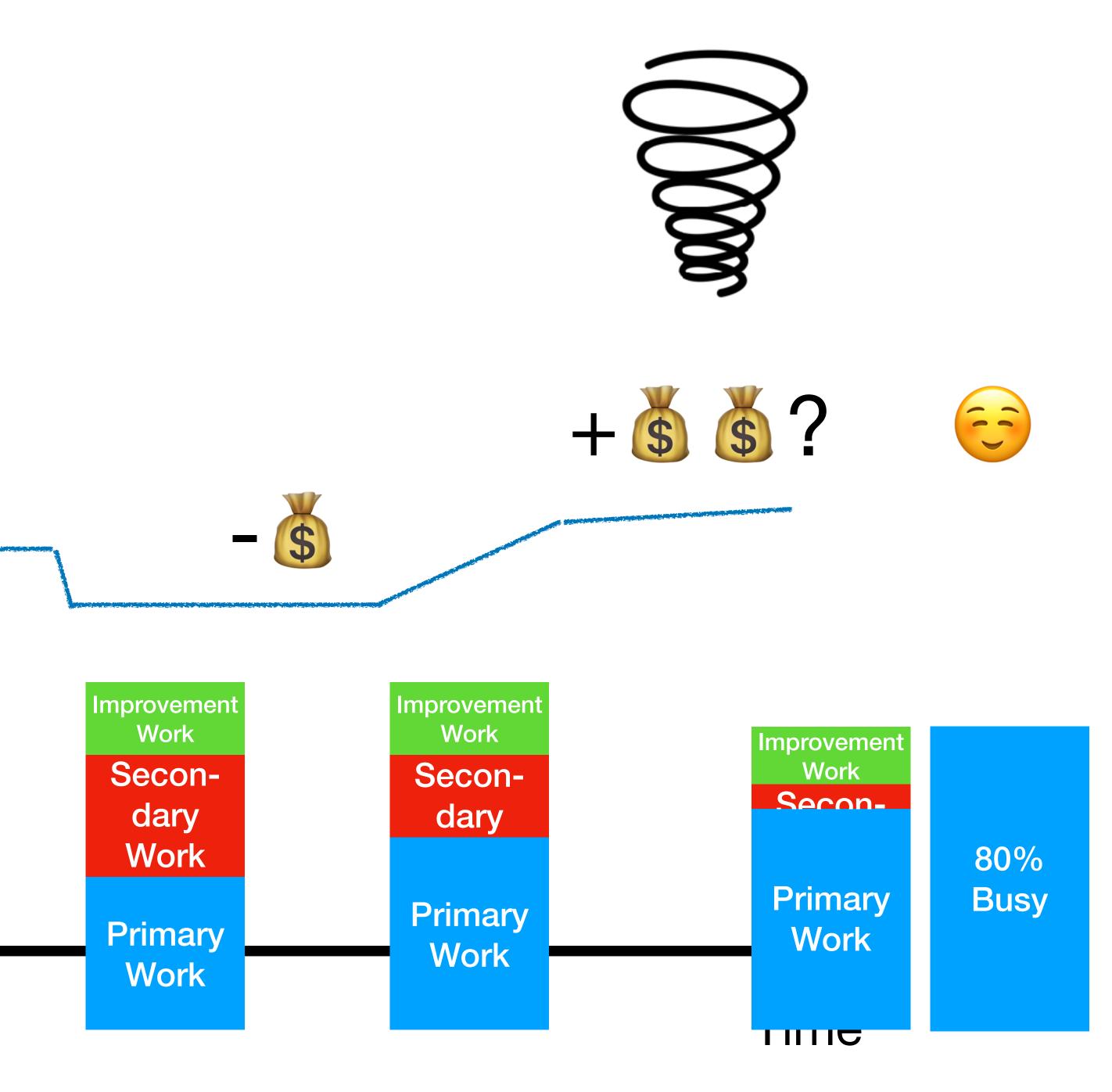






#### "Productivity"

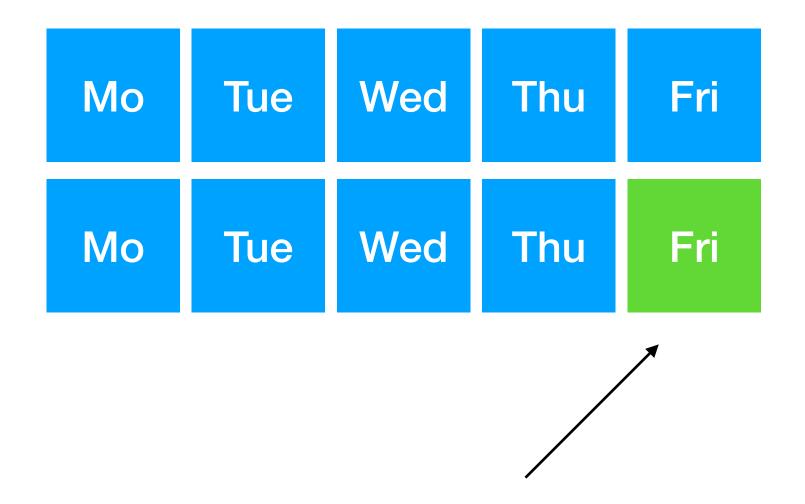




#### Producing stuff ...

Mo	Tue	Wed	Thu	Fri
Mo	Tue	Wed	Thu	Fri





#### Dedicated time for improvement

### Kaizen

## But... there is more!





#### iberati **Simple Rules** to Unleash A Culture ofInnovation Henri Lipmanowicz Keith McCandless

"A treasure trove of simple, practical methods to stimulate critical conversations and liberate the full patential of any group, from the frontline to the C-suite."

-Cheryl M Scott Global Programs Senior Advisor, Bill and Melinda Gates Foundation

 $\odot$  $\odot$ And a se Ш ÕÕ hand an a



T O O

when an





Was sind Liberating Structures?

Liberating Structures sind ein gut gefüllter Methodenkasten, der erlaubt, alle zu bezeiligen. Die einzelnen Liberating Structures ermöglichen. Herausforderungen gezielt und schrittweise zu bewältigen. Sie kombinieren sorzfältig strukturiert geschickte Abfolgen, zielführende Fragestellungen und erhellende Metaphern. So können sie Interaktionen befreien.

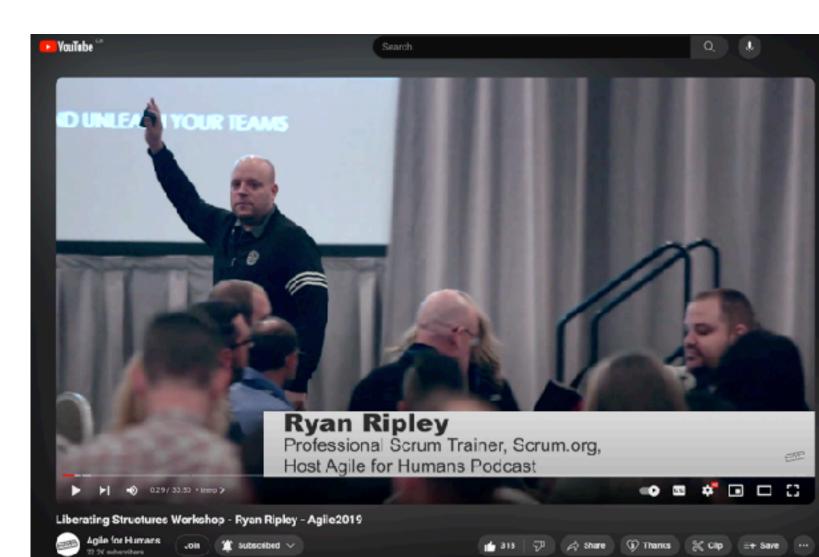
Darüber hinzus ist Liberating Structures ein Konzept, das erlaubt, die Welt zu verändern. Mehr dazu...

Aktuelle Workshops und Informationen





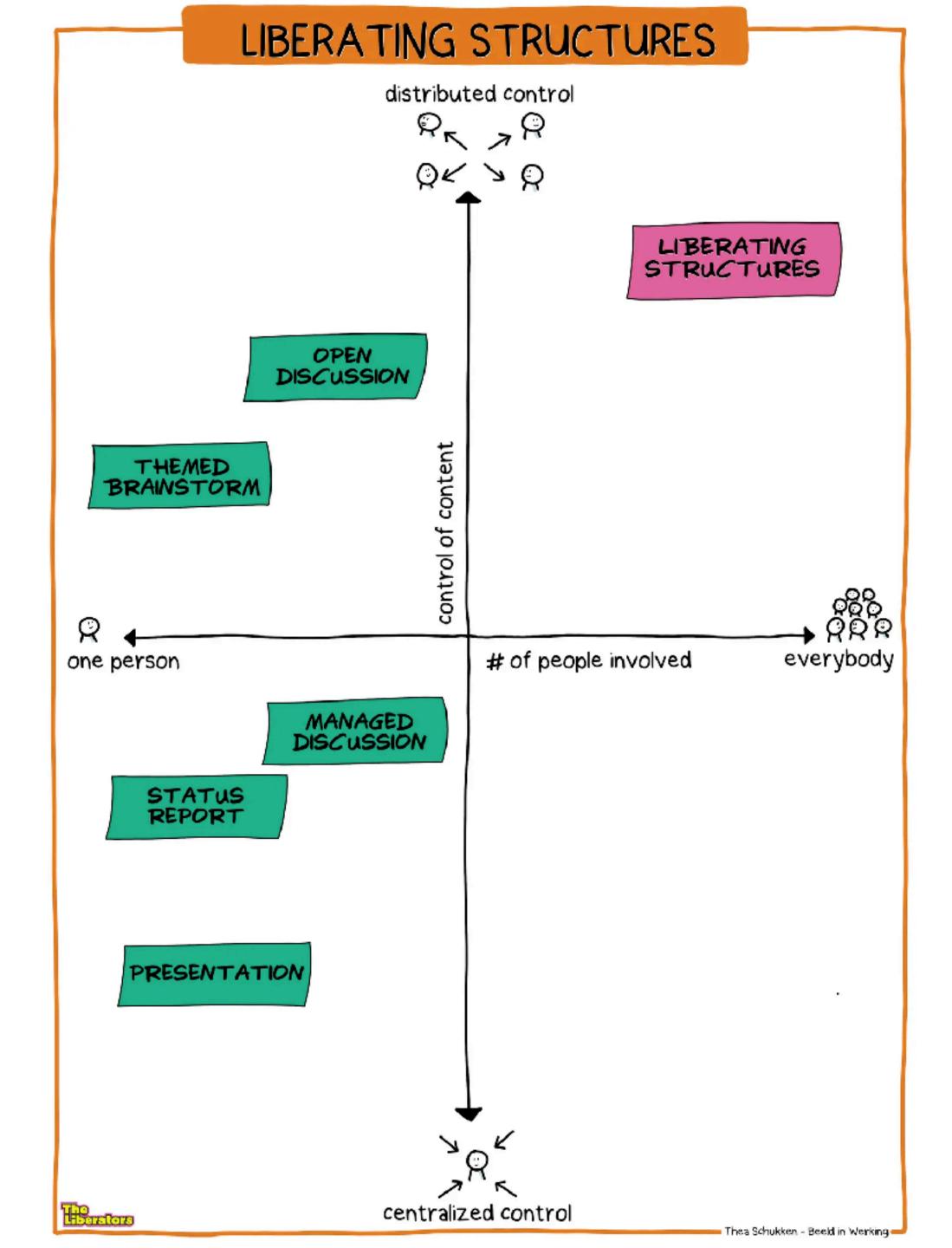




CC 4.0 ATTRIBUTION LICENCE . MICHAEL CRAMER . WWW. DiHjon.com . @dimjon

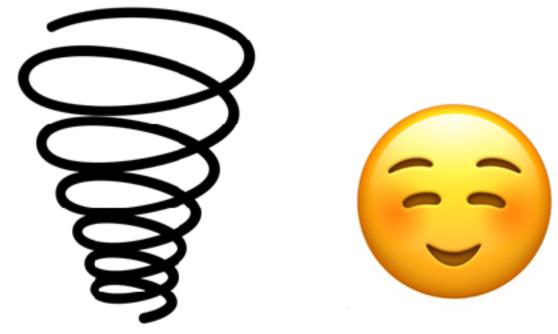






# Wrap up

- Dedicate time for improvement work
- Use Liberating Structures to involve everyone
- Use PopcornFlow to run experiments



### **Questions?**



http://gph.is/2gWzAAh



peter.koch@css.ch <u>https://twitter.com/petikoch</u> <u>https://www.linkedin.com/in/petikoch</u>

