



How to improve a **COMPLEX** 🤯 **system?** 🤔

Some more ideas ...



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ALCOR.academy Beyond Architecture Training Presentation Day 🎓

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„Congratulations!



**You discovered that you are dealing
with a COMPLEX system. “**

–Peti

Find the root cause!

5 Whys



Beyond Architecture Training

Lesson #4



Theory of Constraints

Eliyahu M. Goldratt

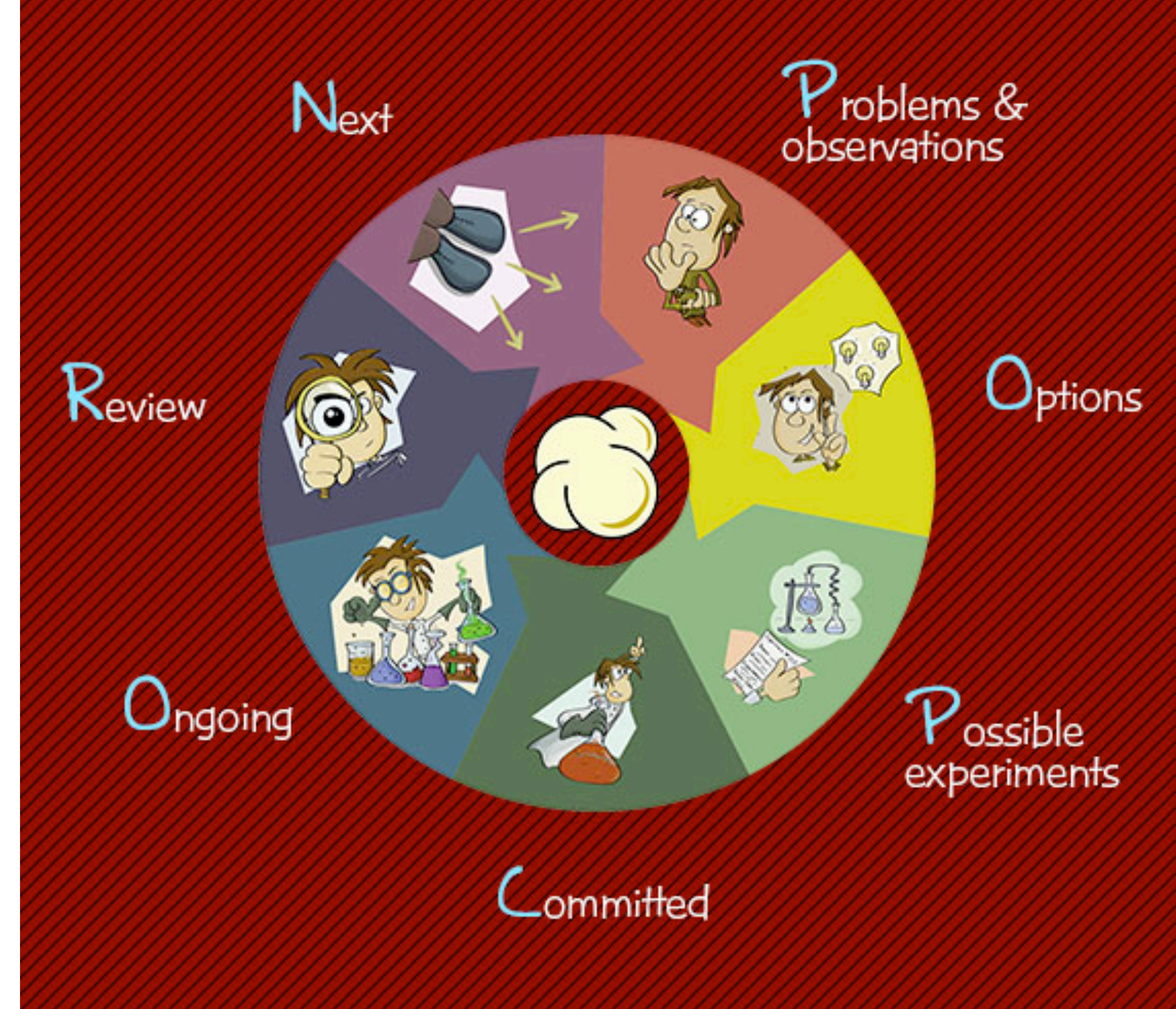


But... there is more!





Popcorn Flow



Problems and observations	Options	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 TDD Organize tailored introduction to WSBC non-technical audience	Publish a wiki article explaining the benefits Publish article in the WSBC technical blog explaining the benefits Organize 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 audience.
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!!!

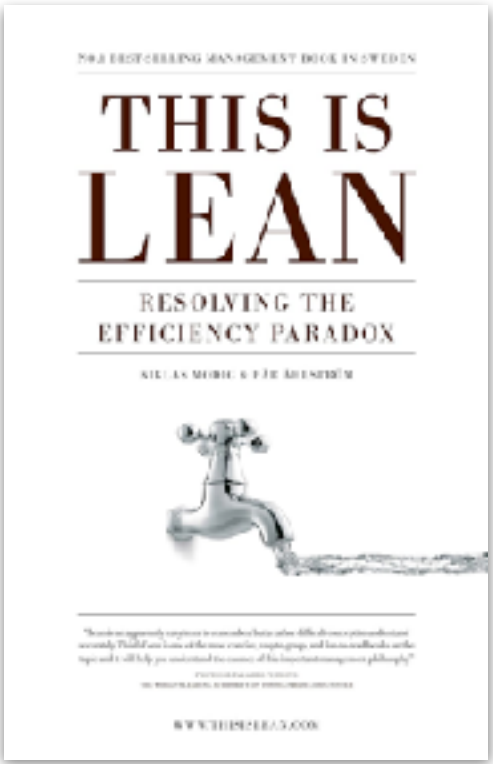
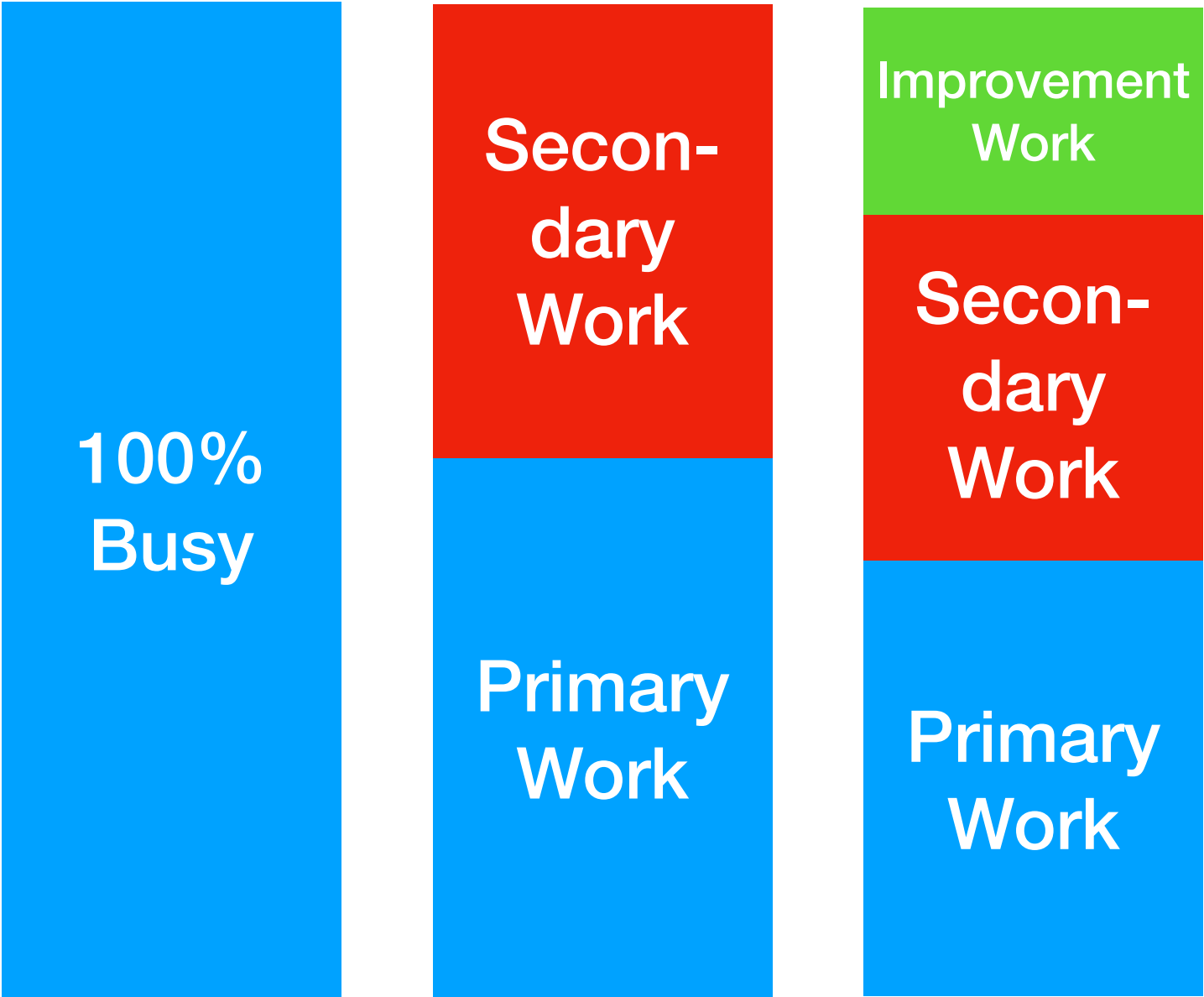
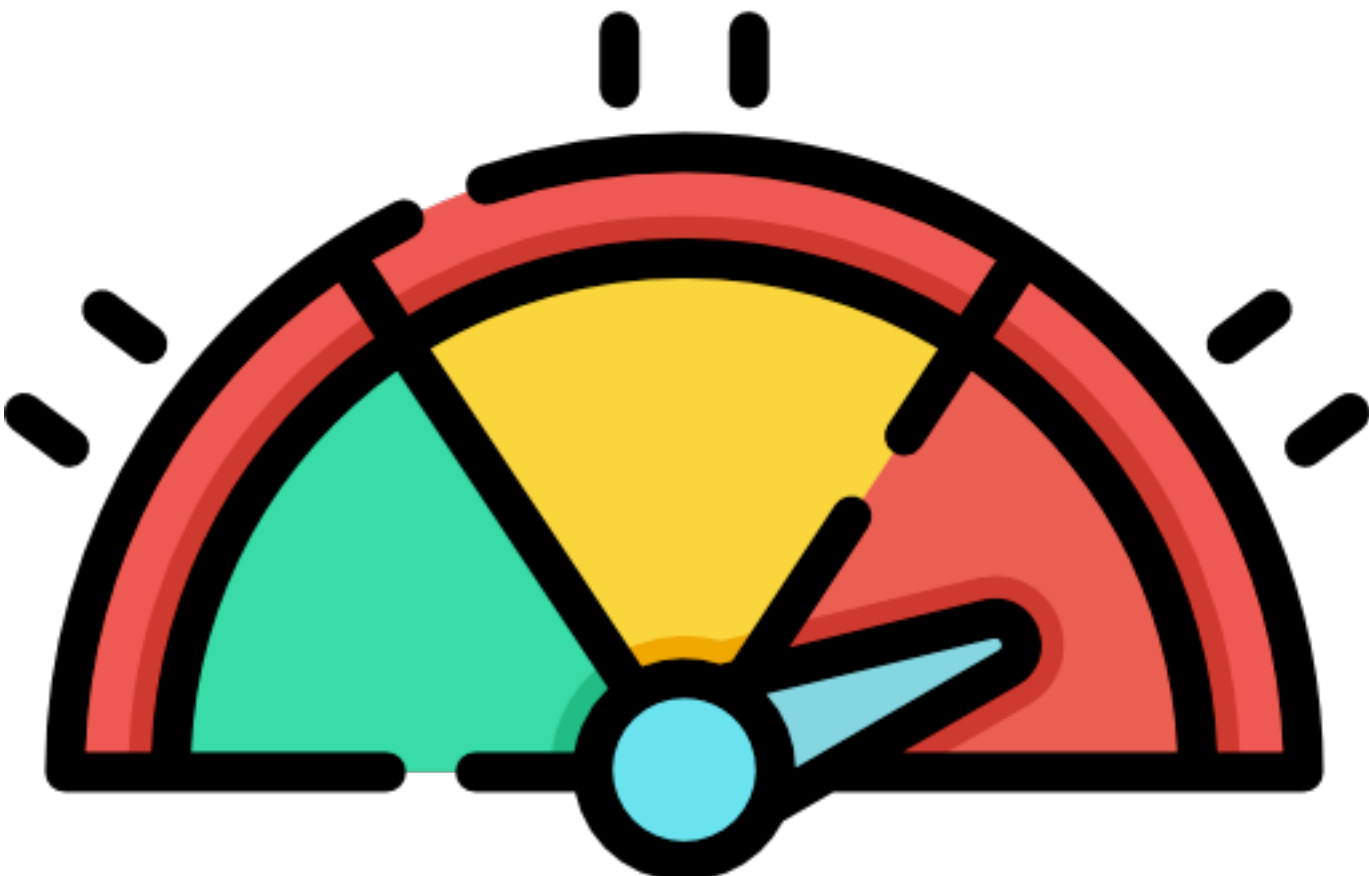
Yeah 🥰 🙌





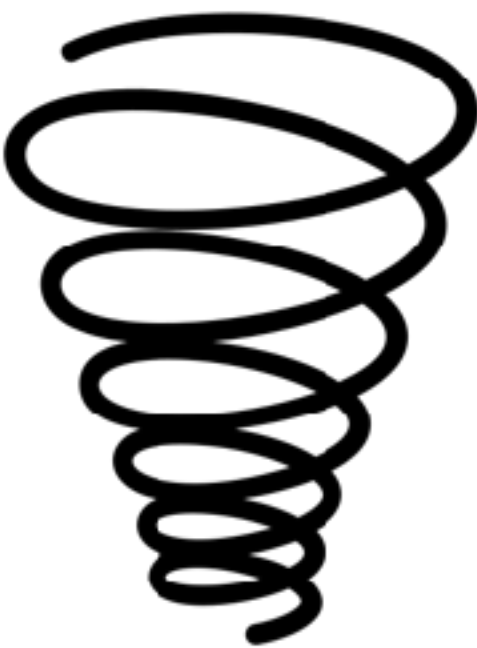
Deepa...

Being busy 😅





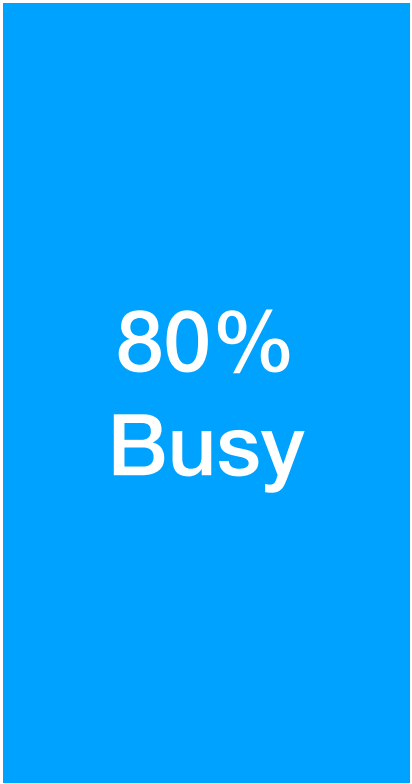
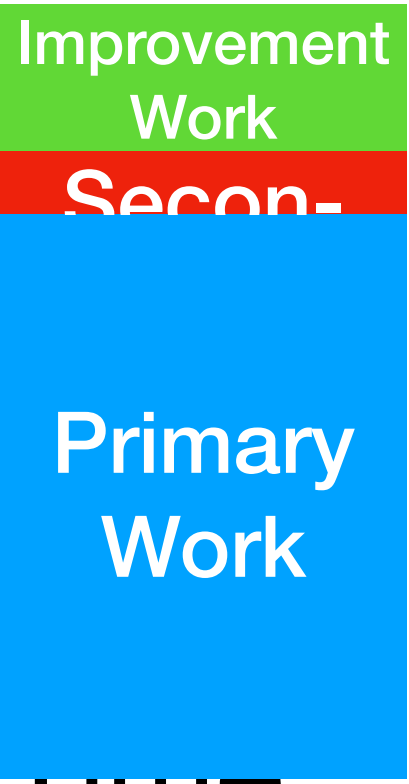
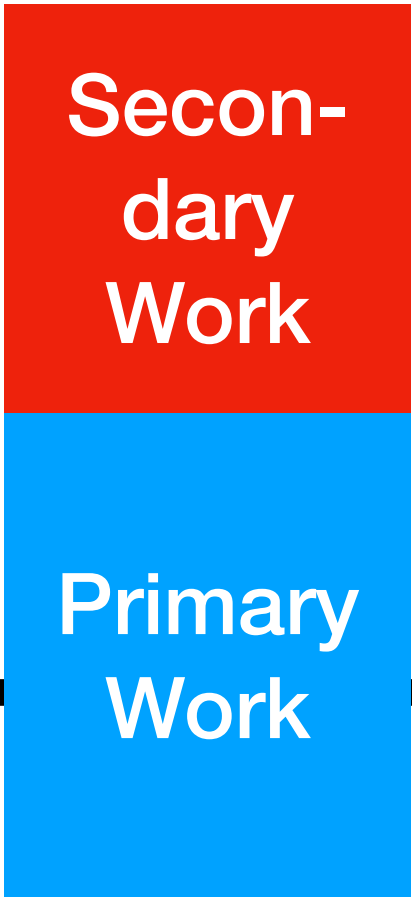
„Productivity“



+ 💰 💰 ?



- 💰

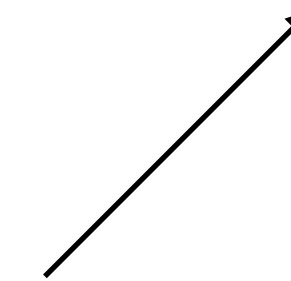


TIME

Producing stuff ...

Mo	Tue	Wed	Thu	Fri
Mo	Tue	Wed	Thu	Fri

Mo	Tue	Wed	Thu	Fri
Mo	Tue	Wed	Thu	Fri



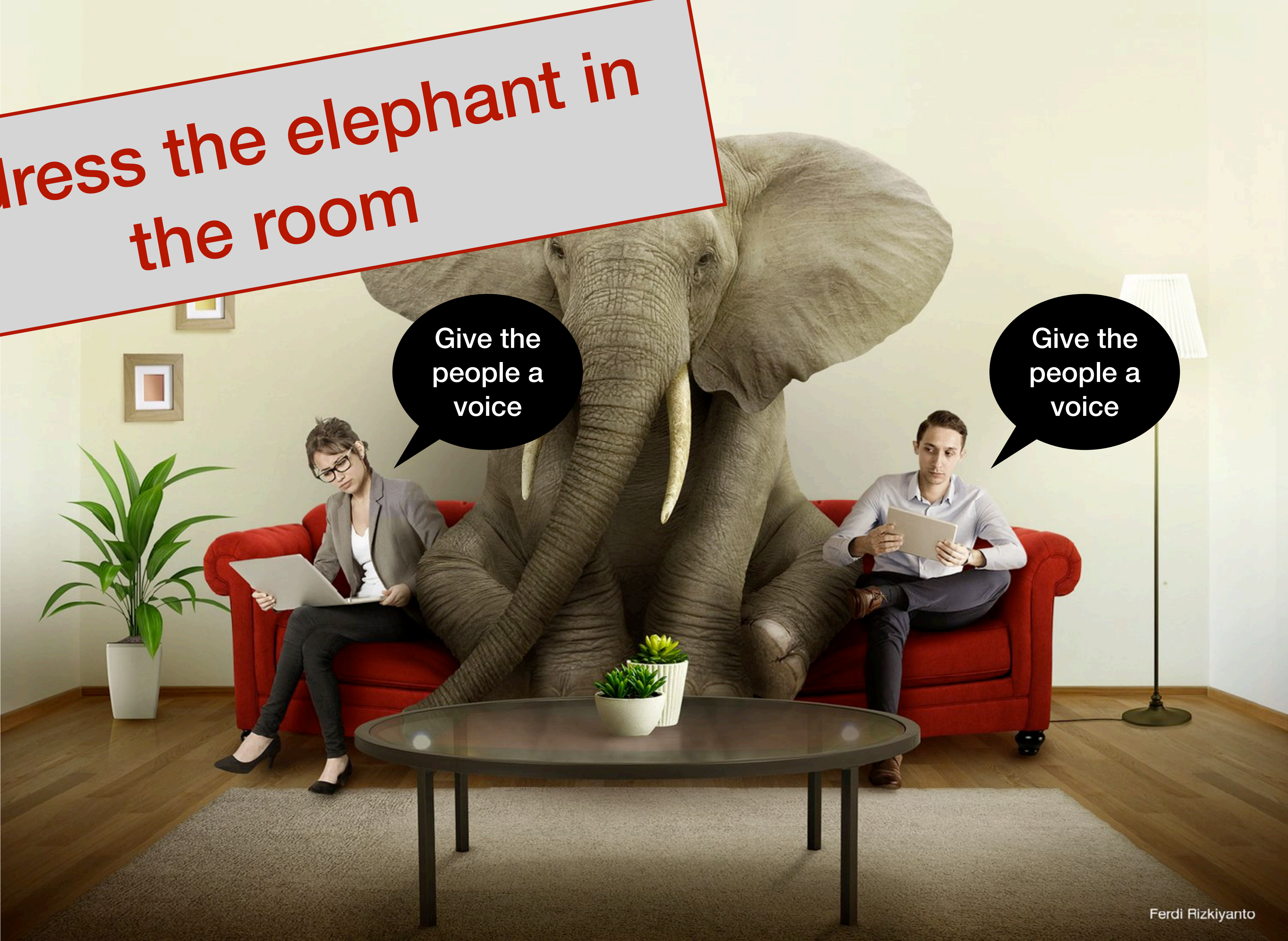
Dedicated time for improvement

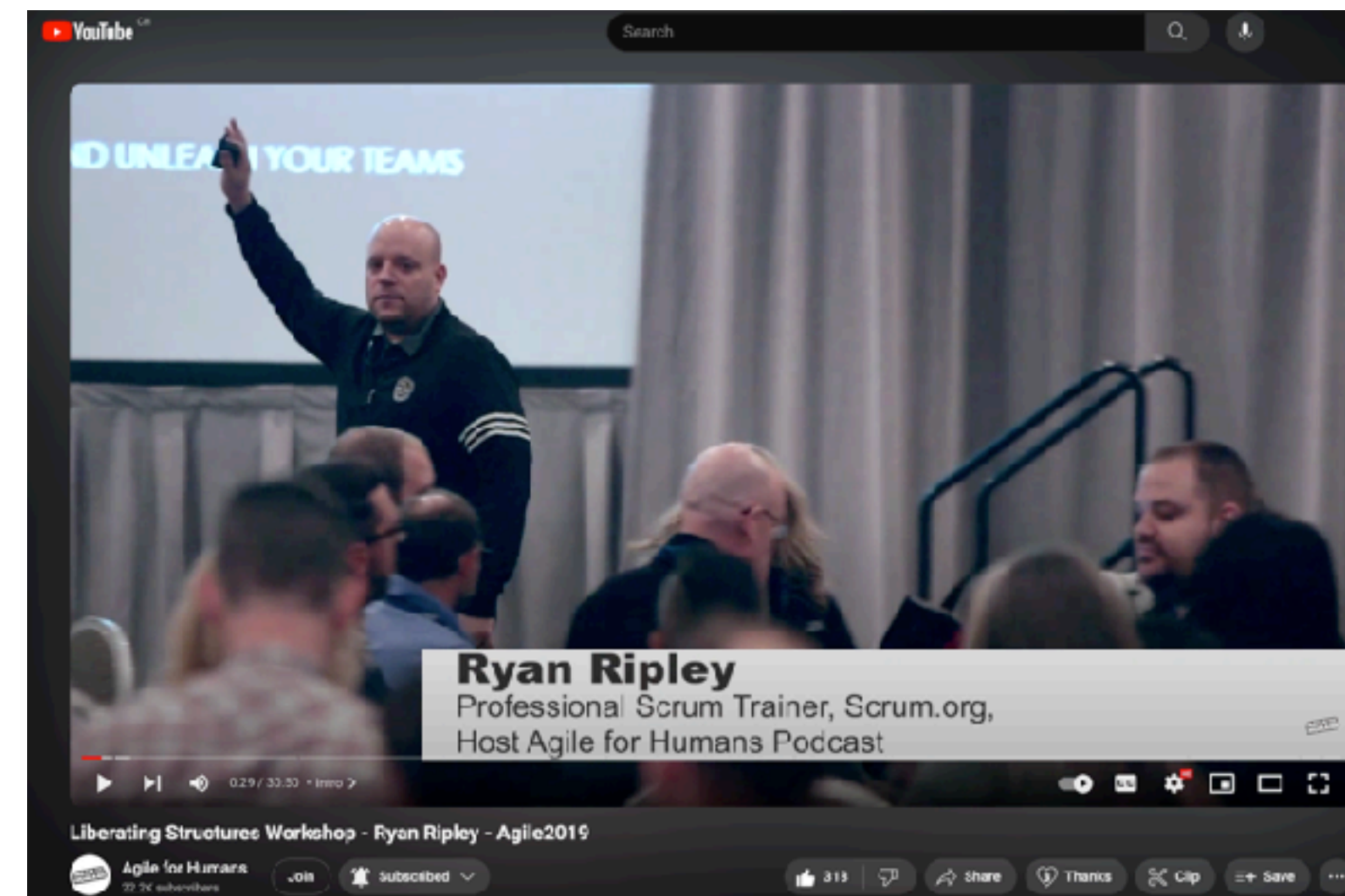
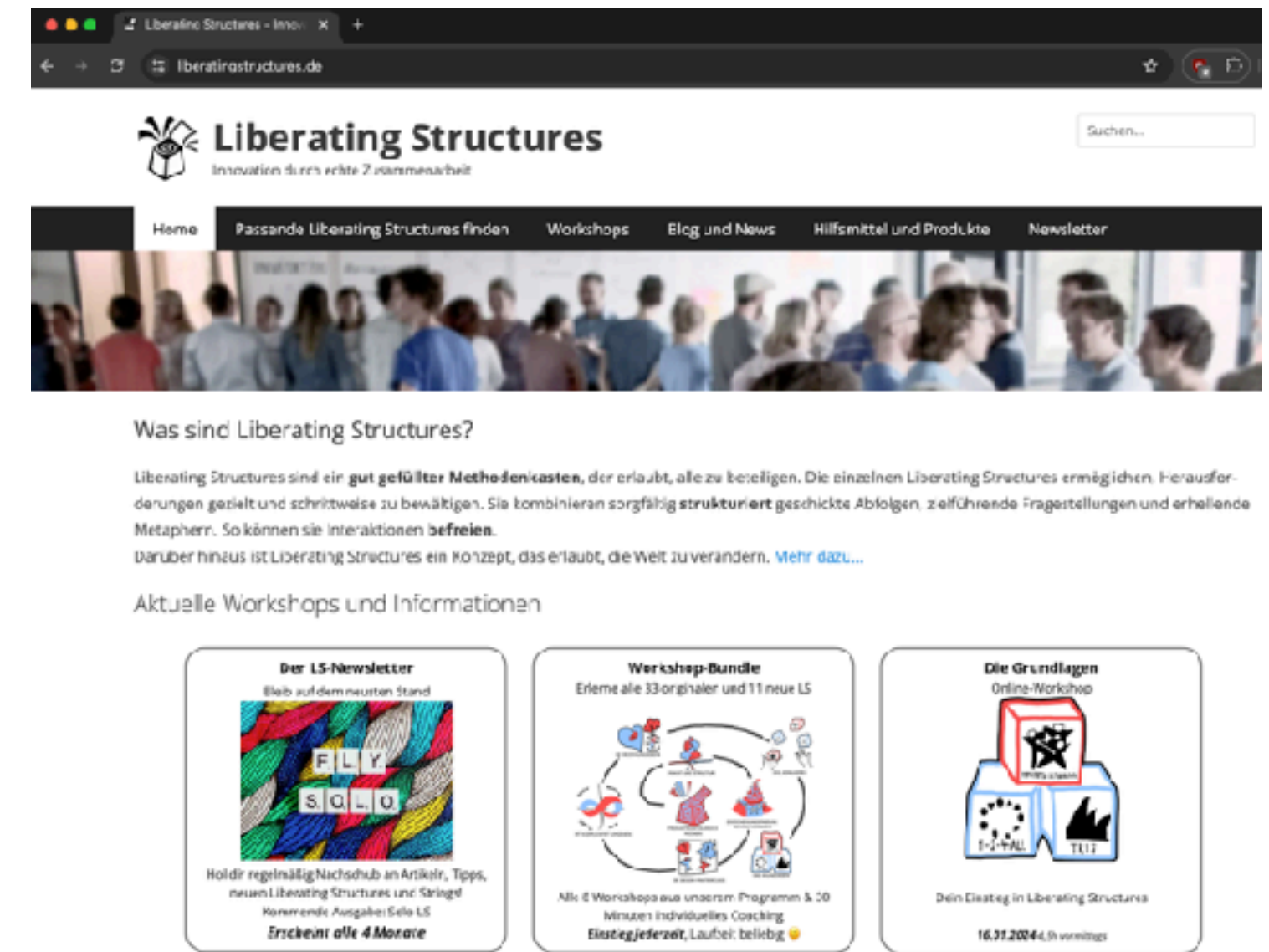
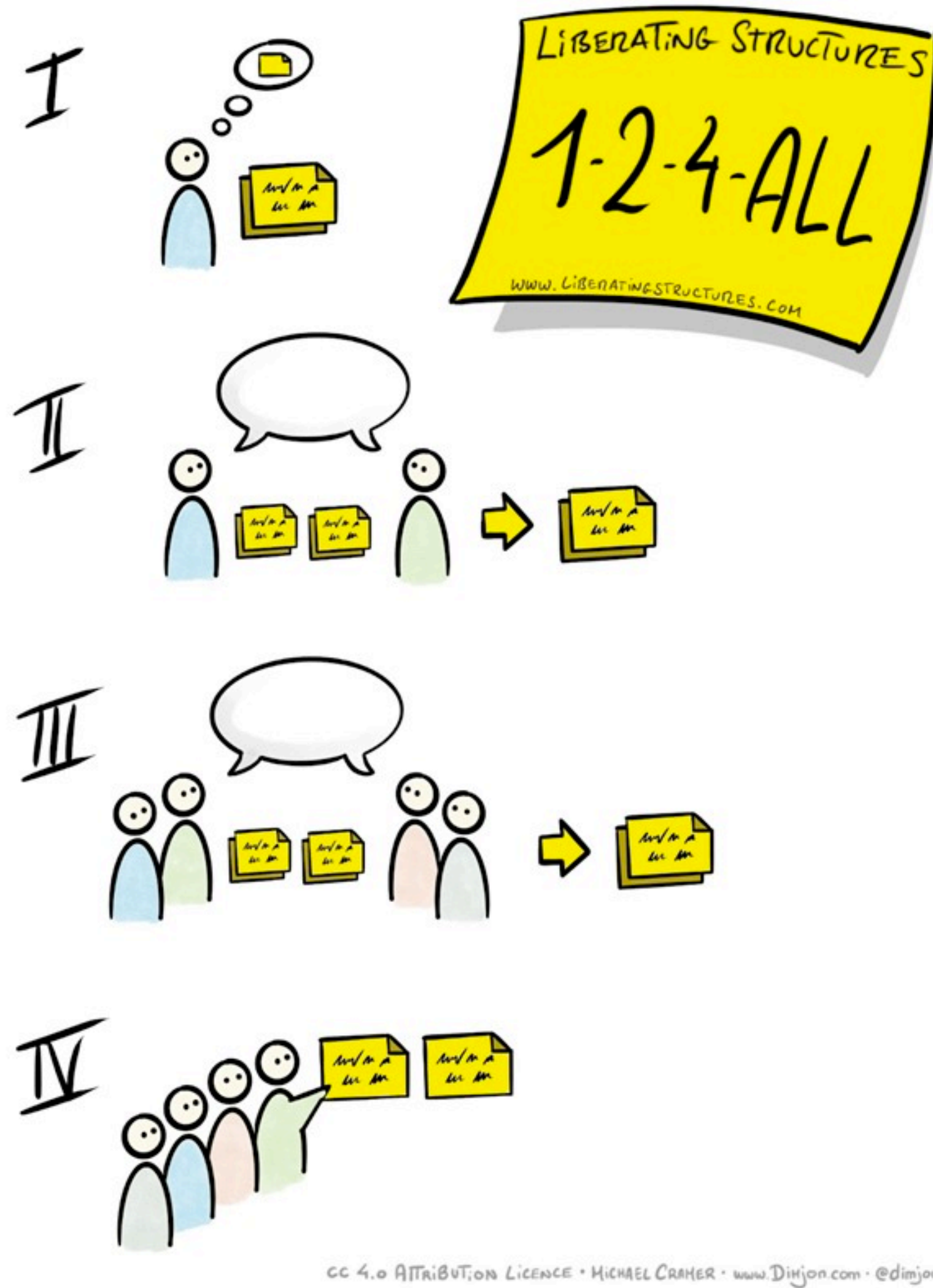
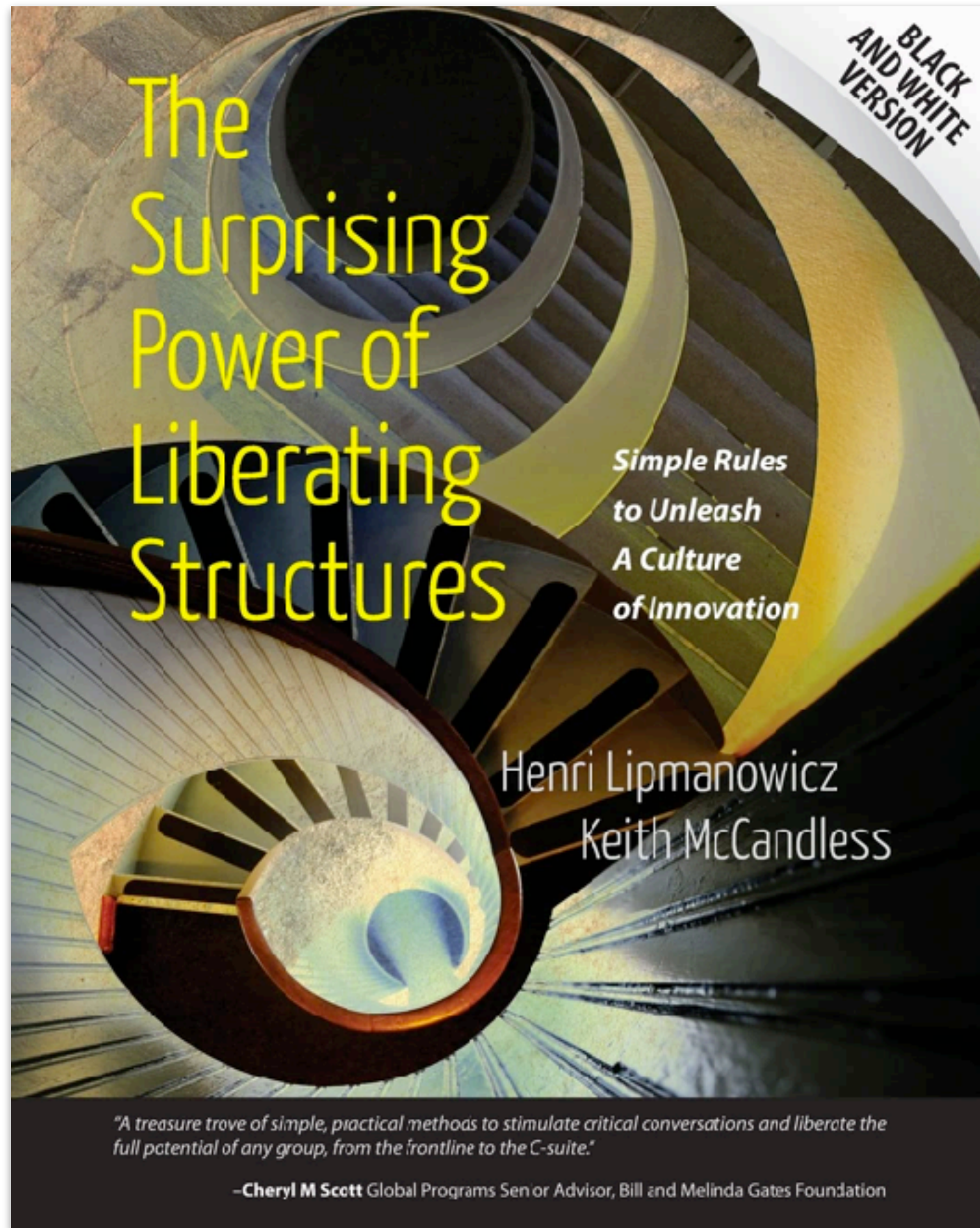
Kaizen

But... there is more!

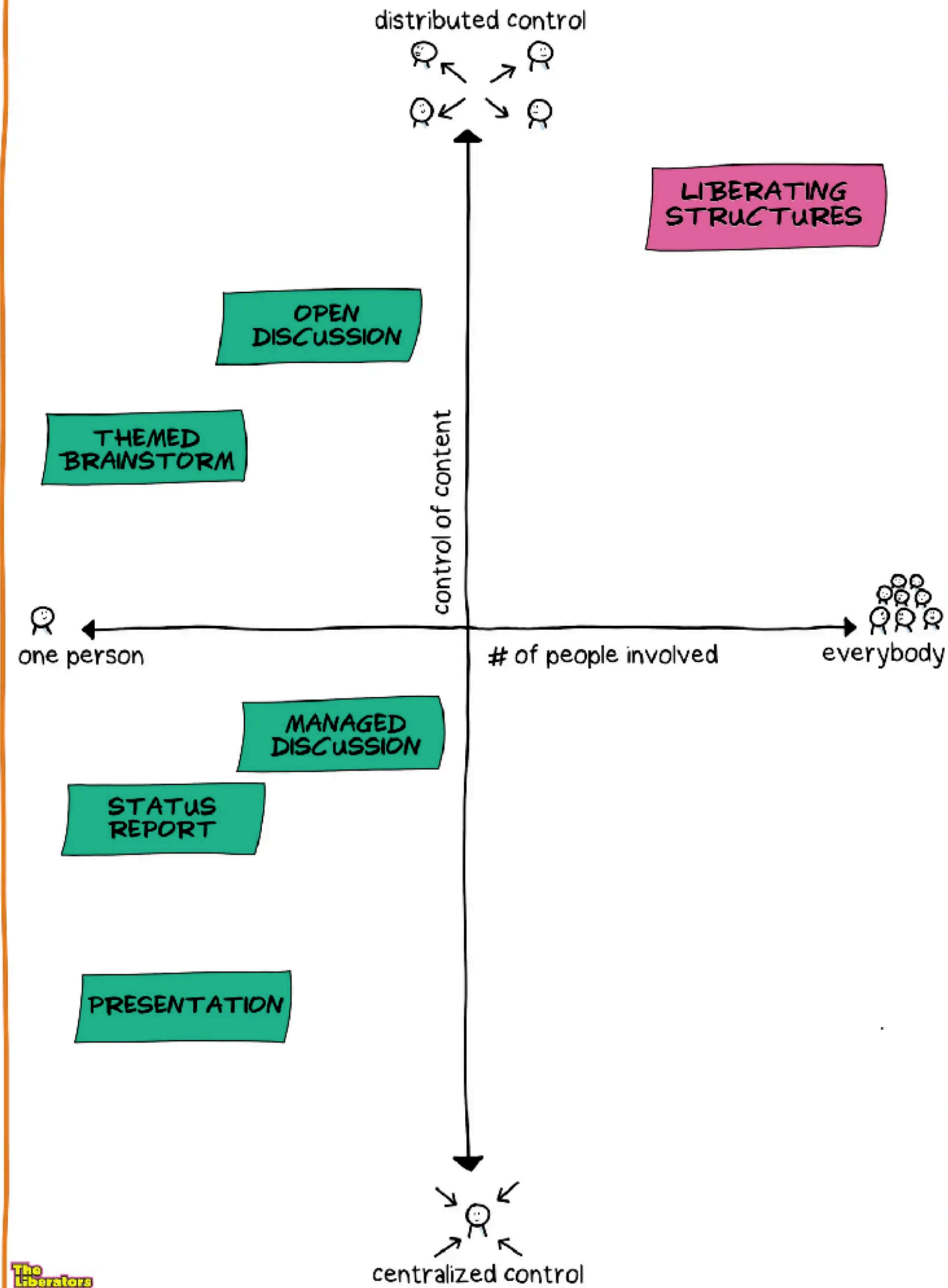


Address the elephant in the room



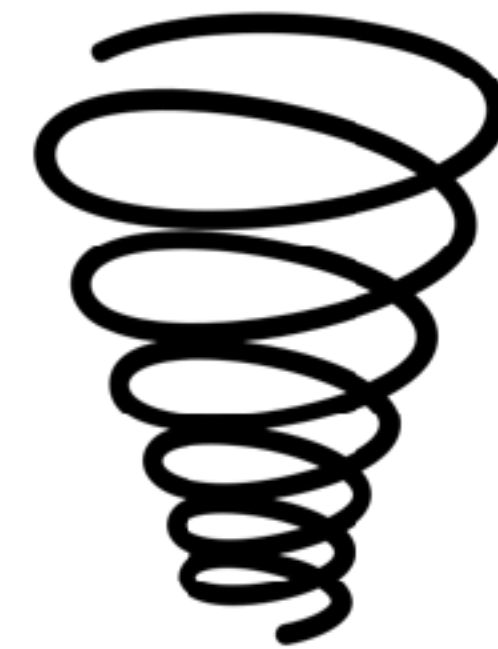


LIBERATING STRUCTURES



Wrap up

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



Questions?



<http://gph.is/2gWzAAh>



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