



Foto: Volker Emersleben

# Clean Code ist doch einfach... Qualität ist schwierig!

Johannes Dienst

**DB System**

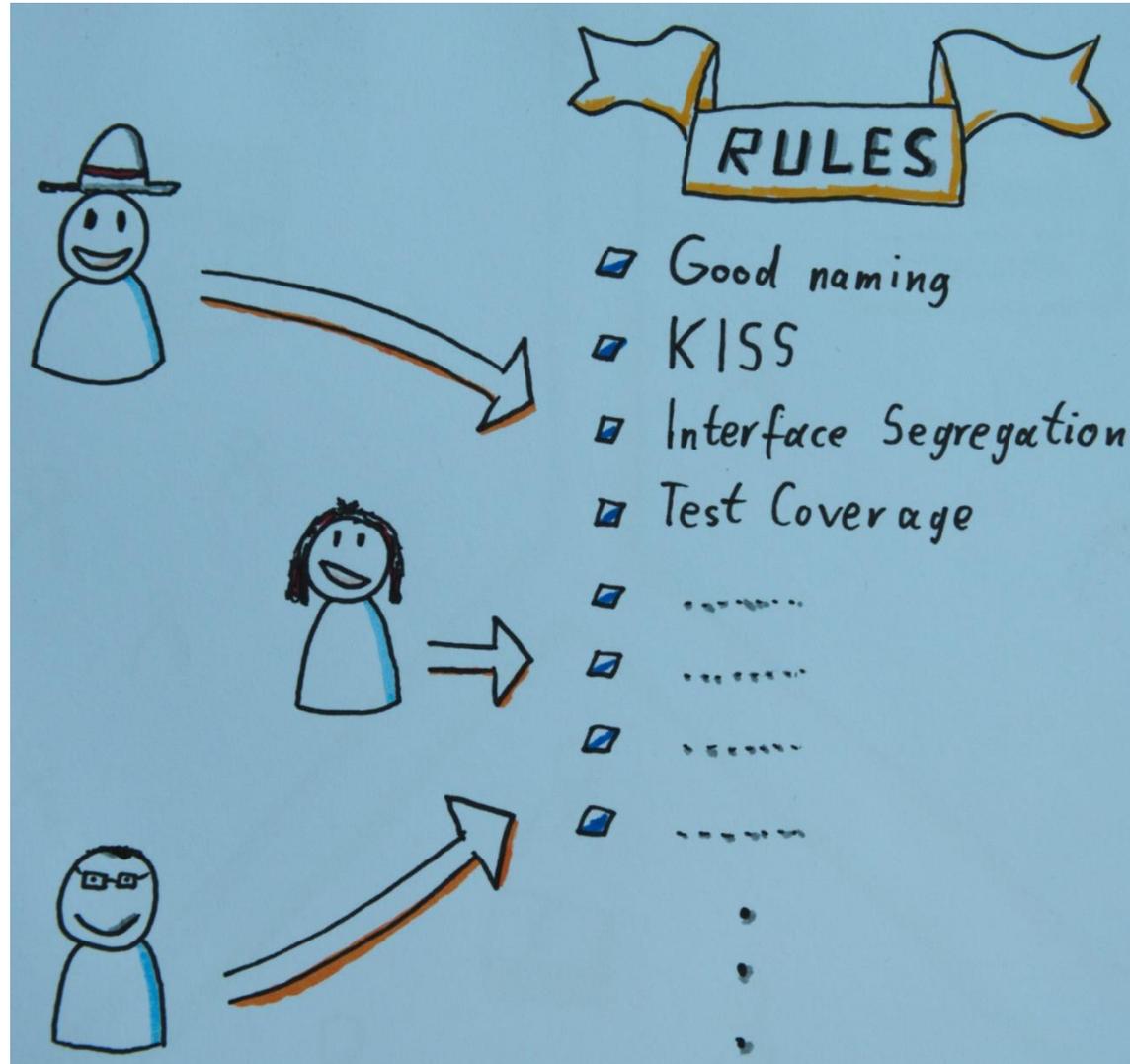
Digital bewegen. Gemeinsam.

# Einfach?

JA

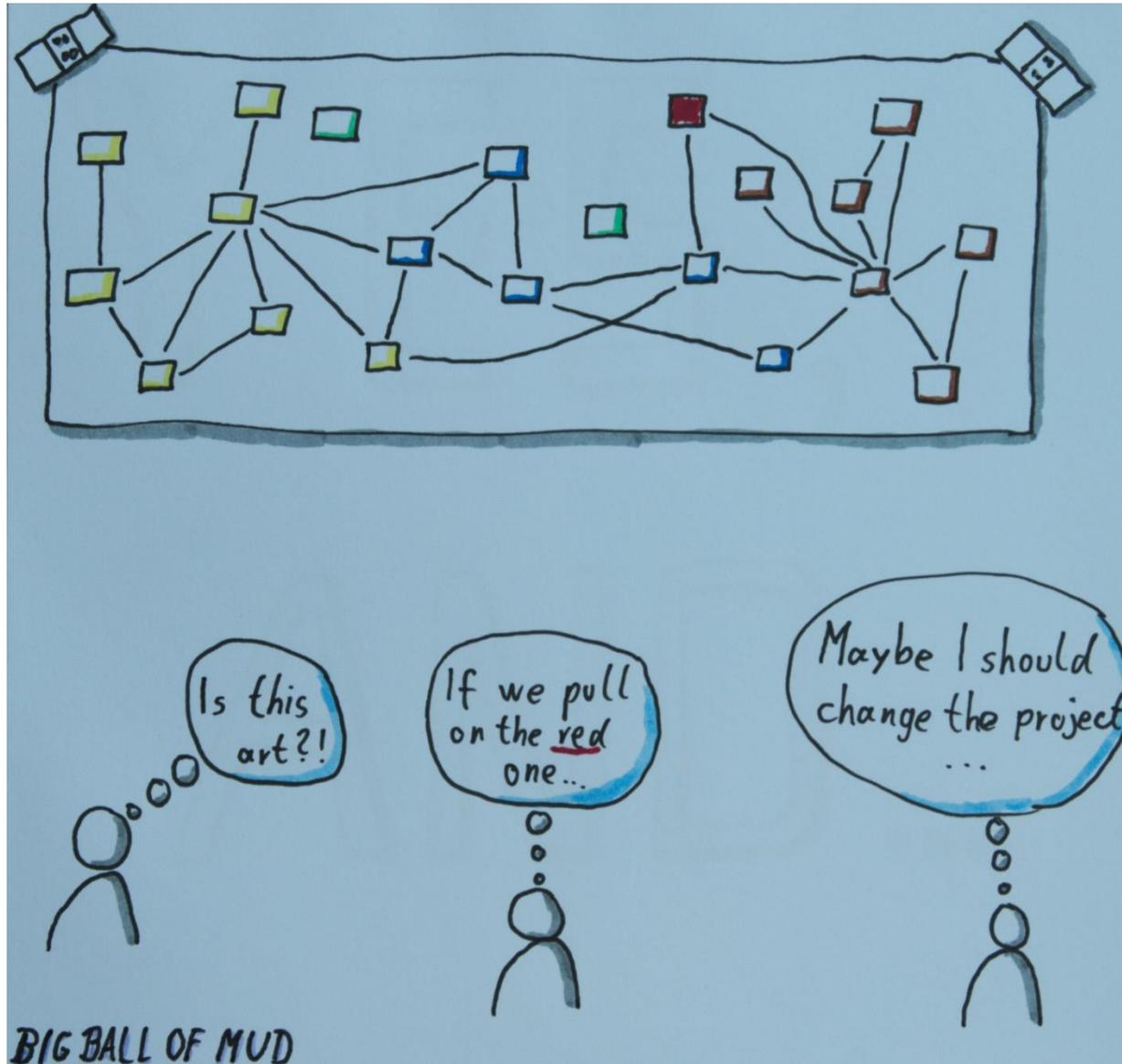
# Warum?

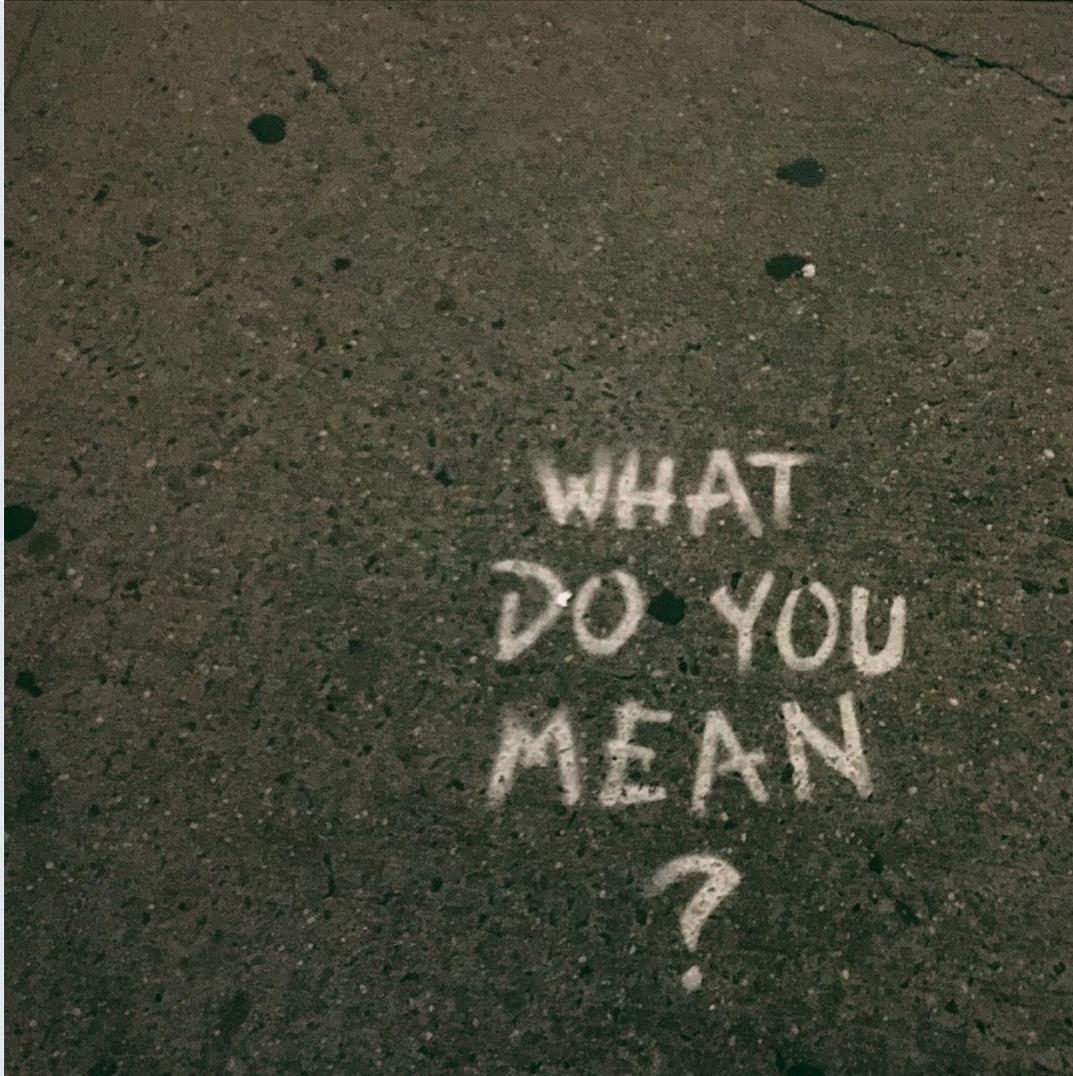
# Regeln und Prinzipien



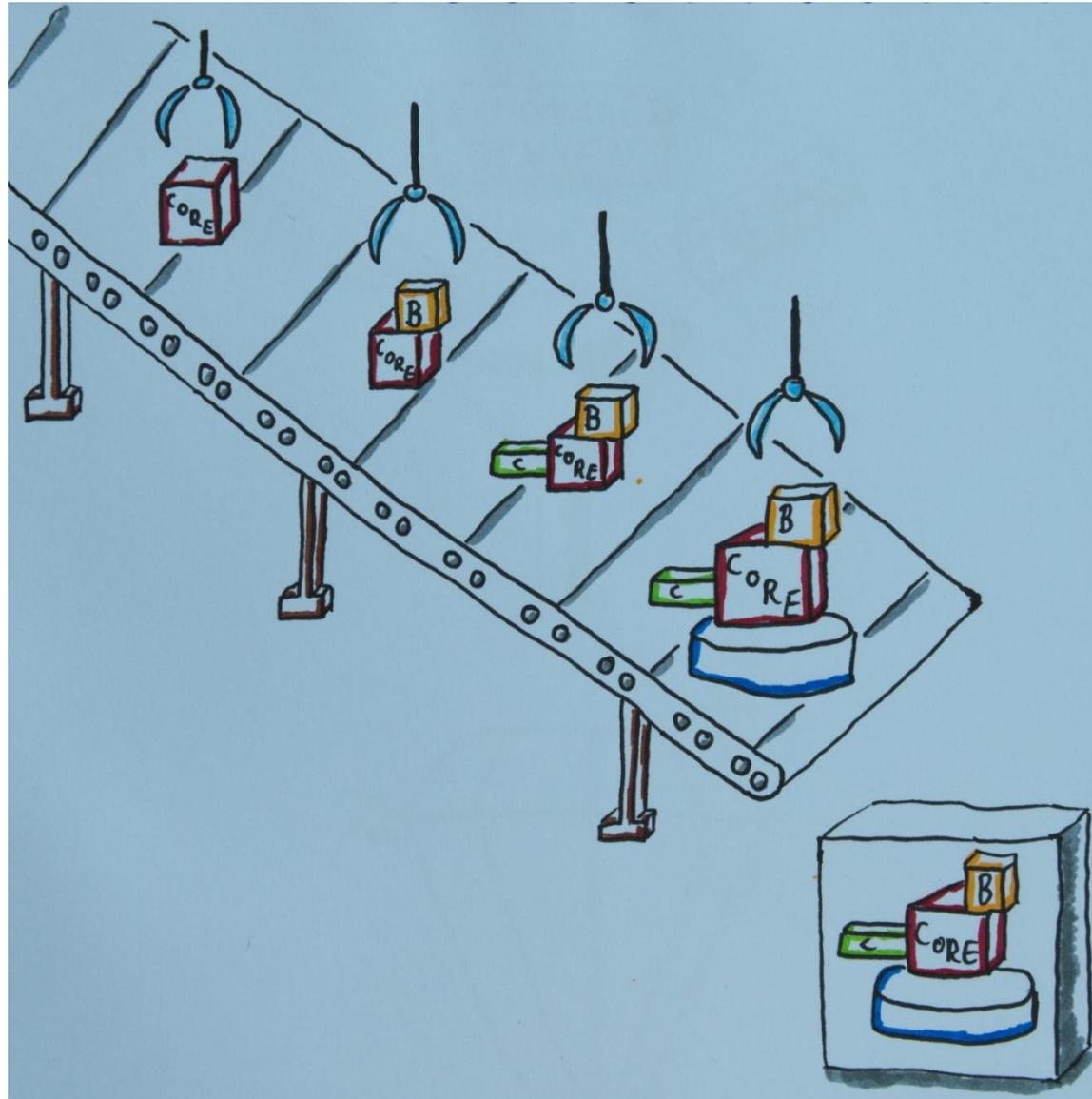
# Clean Code? Irgendwer?

# Die Realität





# Die Idee



# Realität Reloaded



# Wunsch

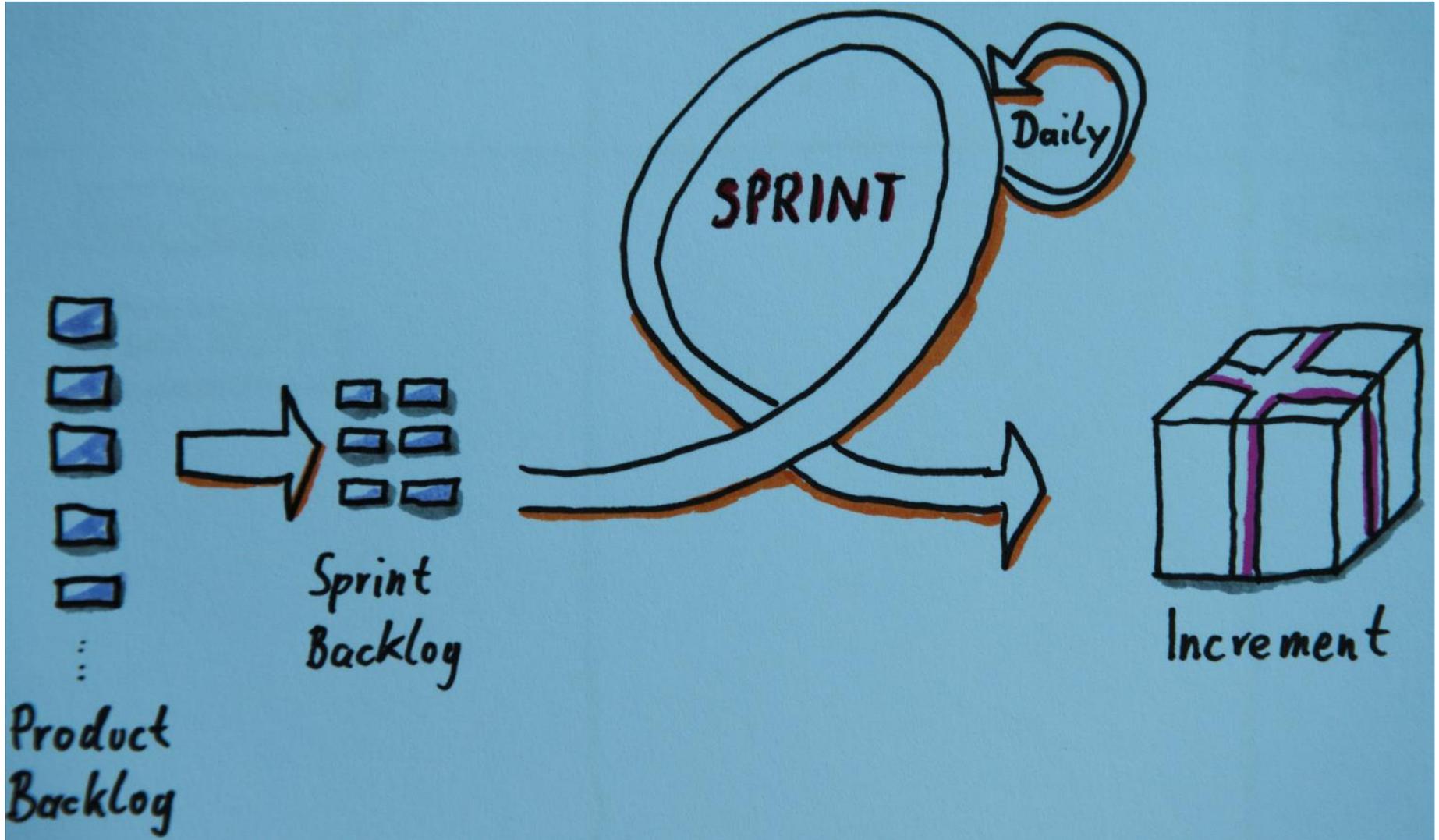


“The life of a software architect is a long and rapid succession of suboptimal design decisions taken partly in the dark.”  
(Philippe Kruchten)

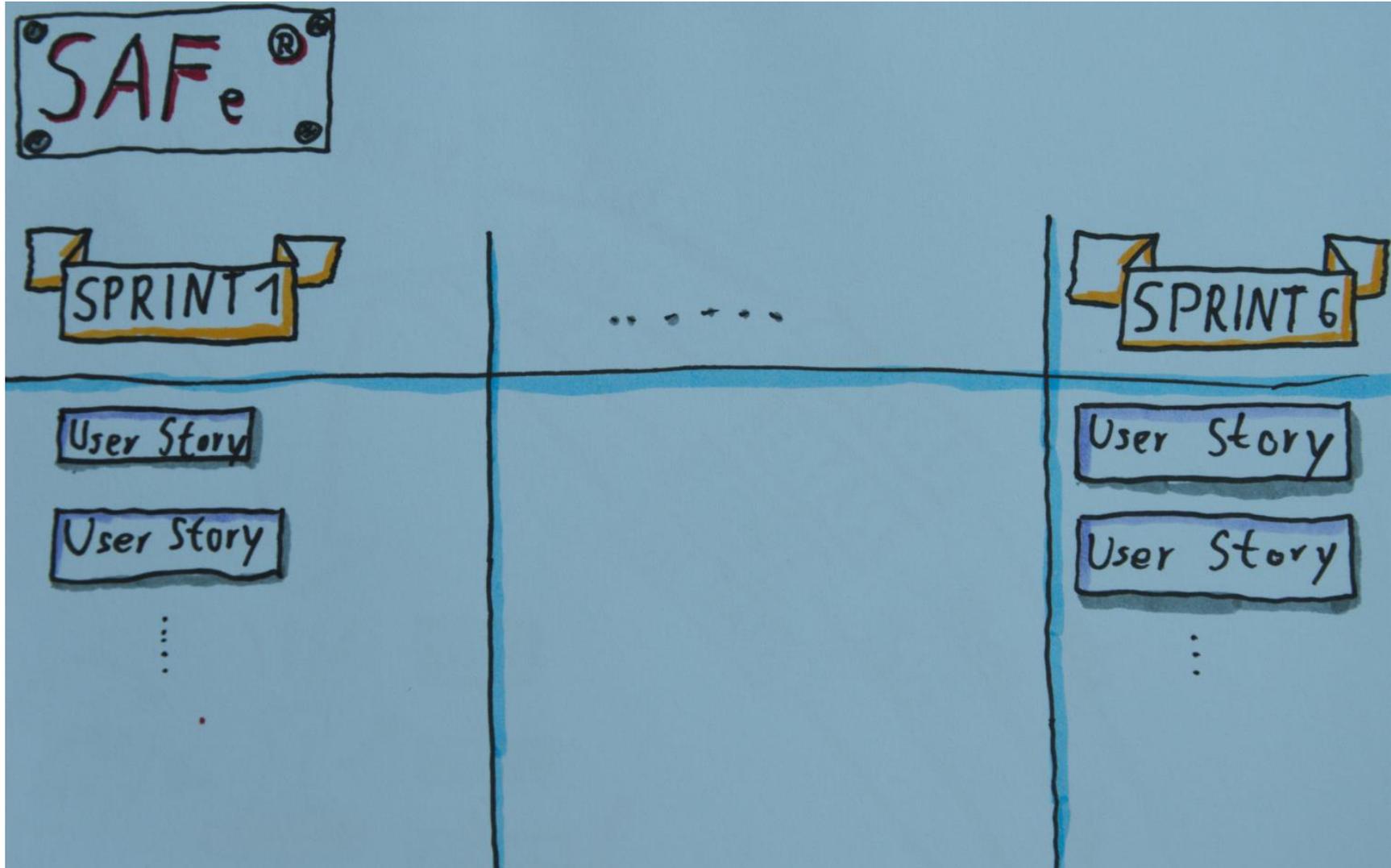


# Agilität?

# Scrum

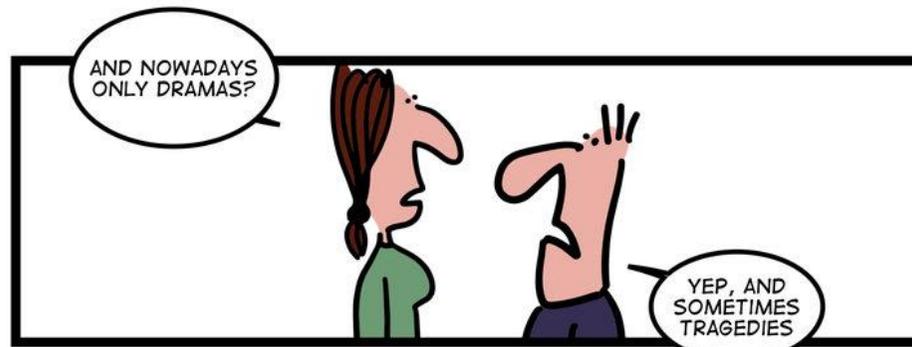
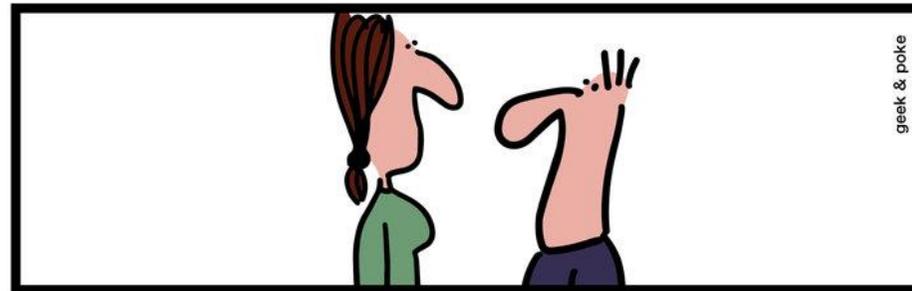
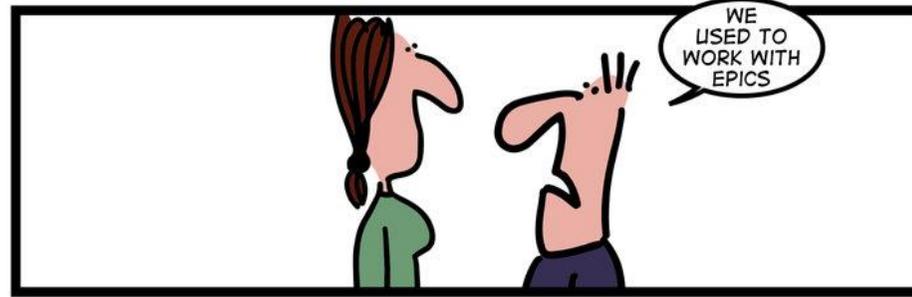


# SAFe



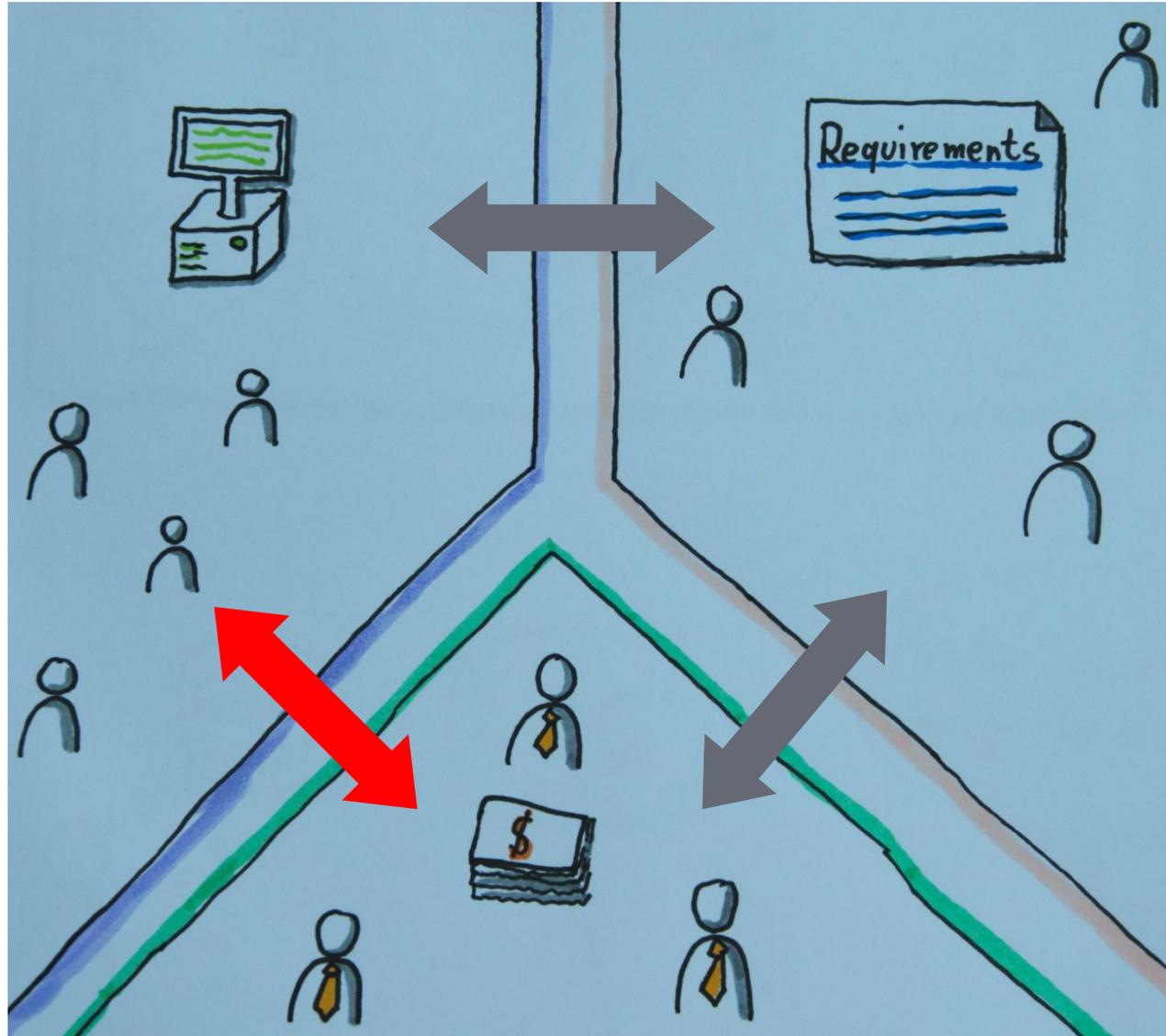
# Das Ergebnis!?





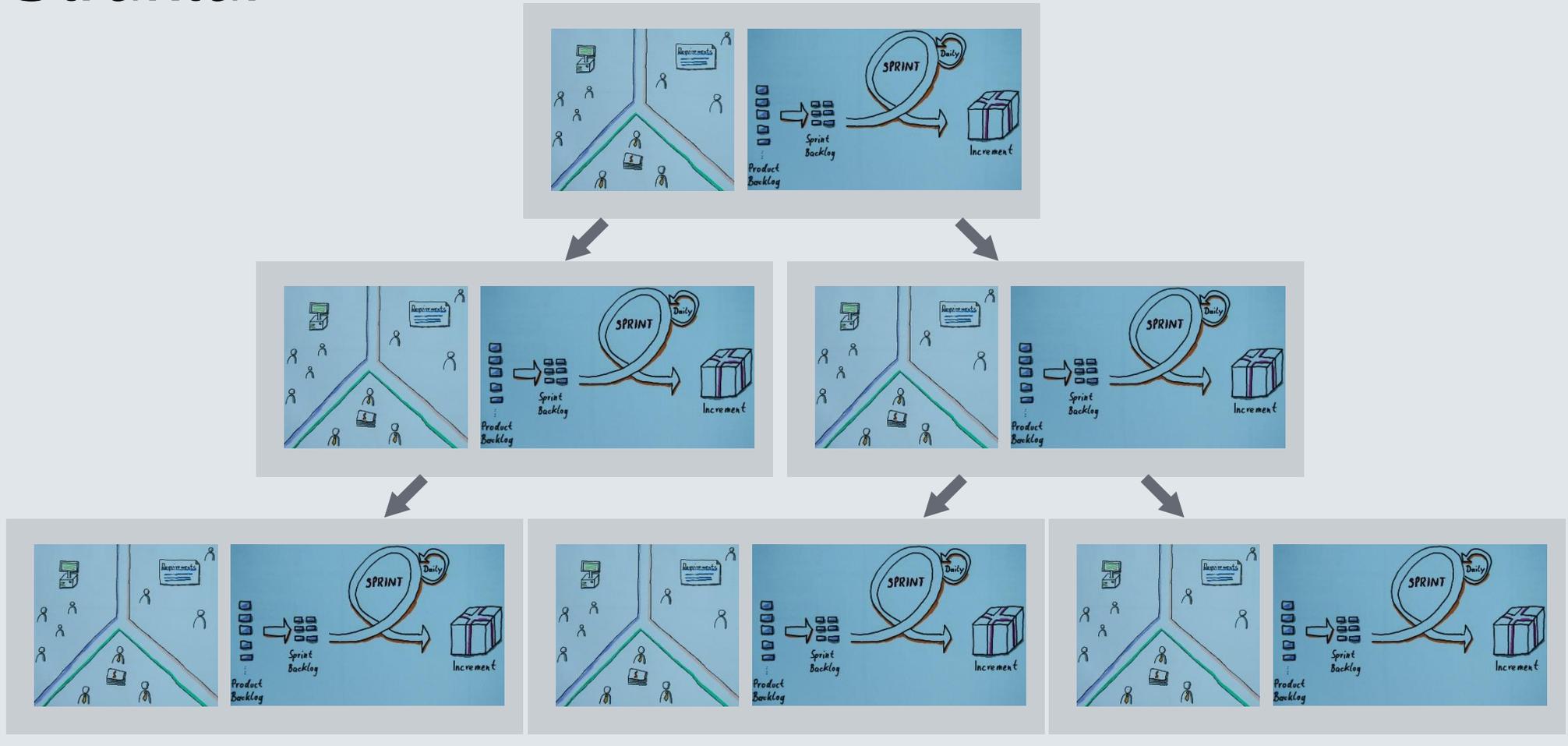
ADVANCED SCRUM

# Kommunikation

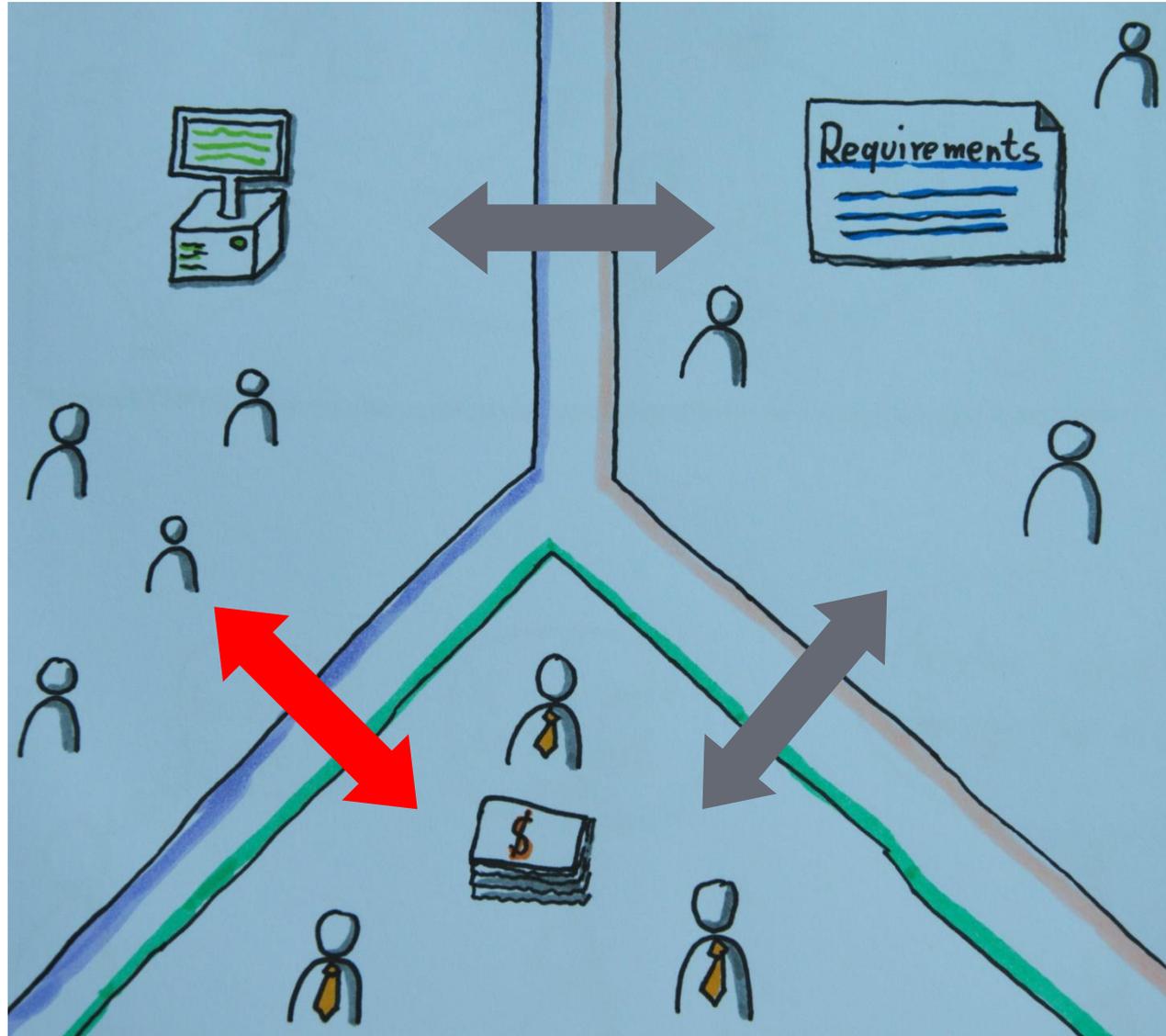


# Organisation

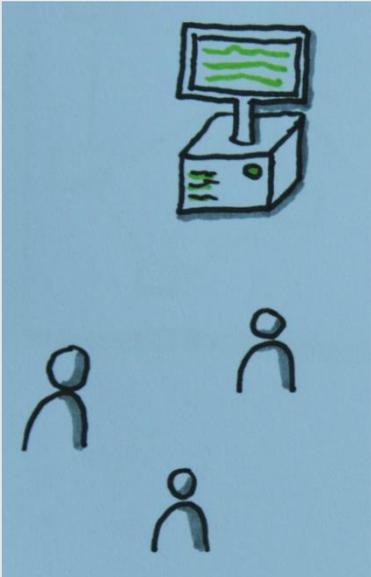
# Struktur



# Kommunikation



# Trennung



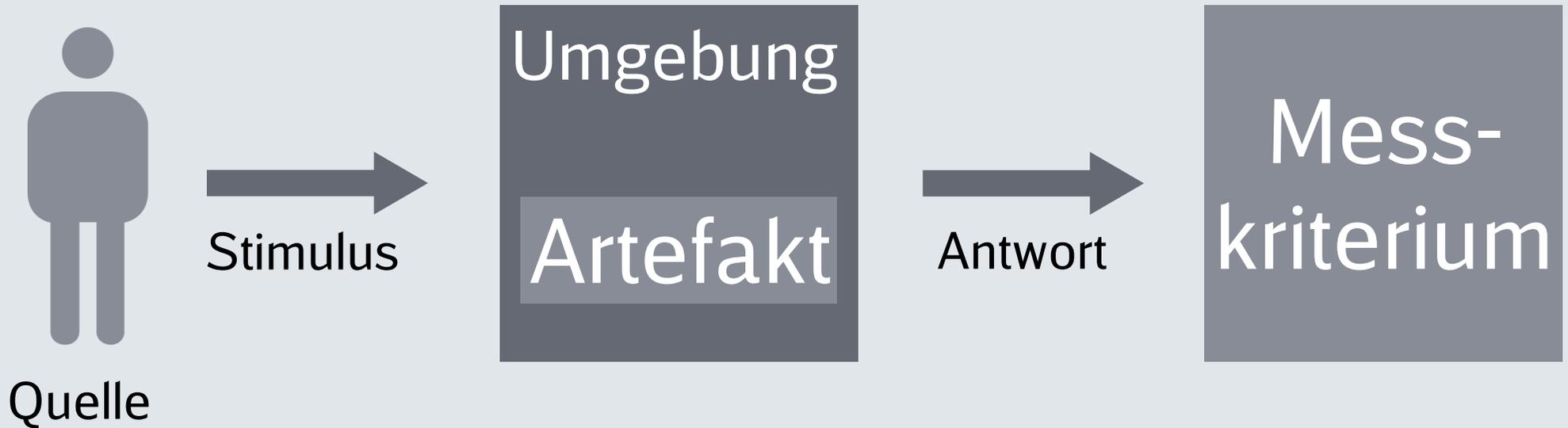
## RULES

- ▣ Good naming
- ▣ KISS
- ▣ Interface Segregation
- ▣ Test Coverage
- ▣ .....
- ▣ .....
- ▣ .....
- ▣ .....

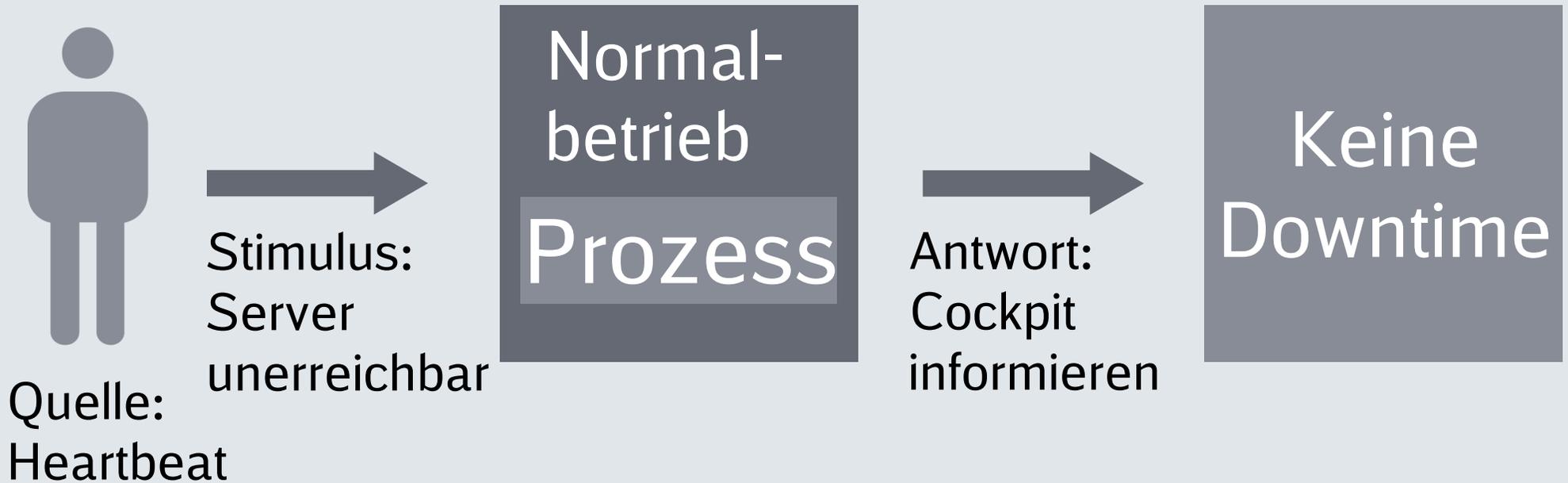


# Qualitätsszenarien festlegen

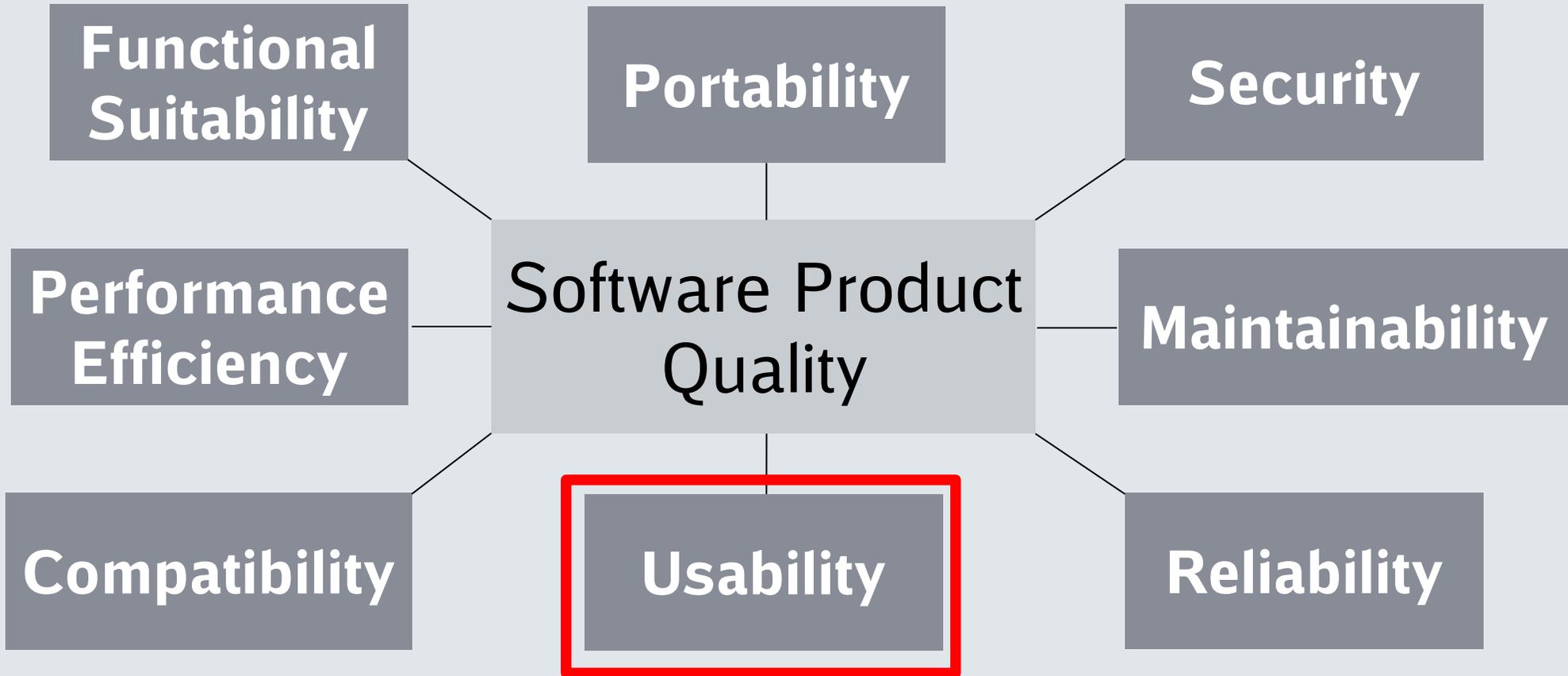
# Qualitätszenario allgemein



# Qualitätsszenario konkret



# Qualitätsattribute



## Usability

- Appropriateness Recognizability
- Learnability
- Operability
- User Error Protection
- User Interface Aesthetics
- Accessibility

# Qualitätsnormen

ISO 25010

FURPS

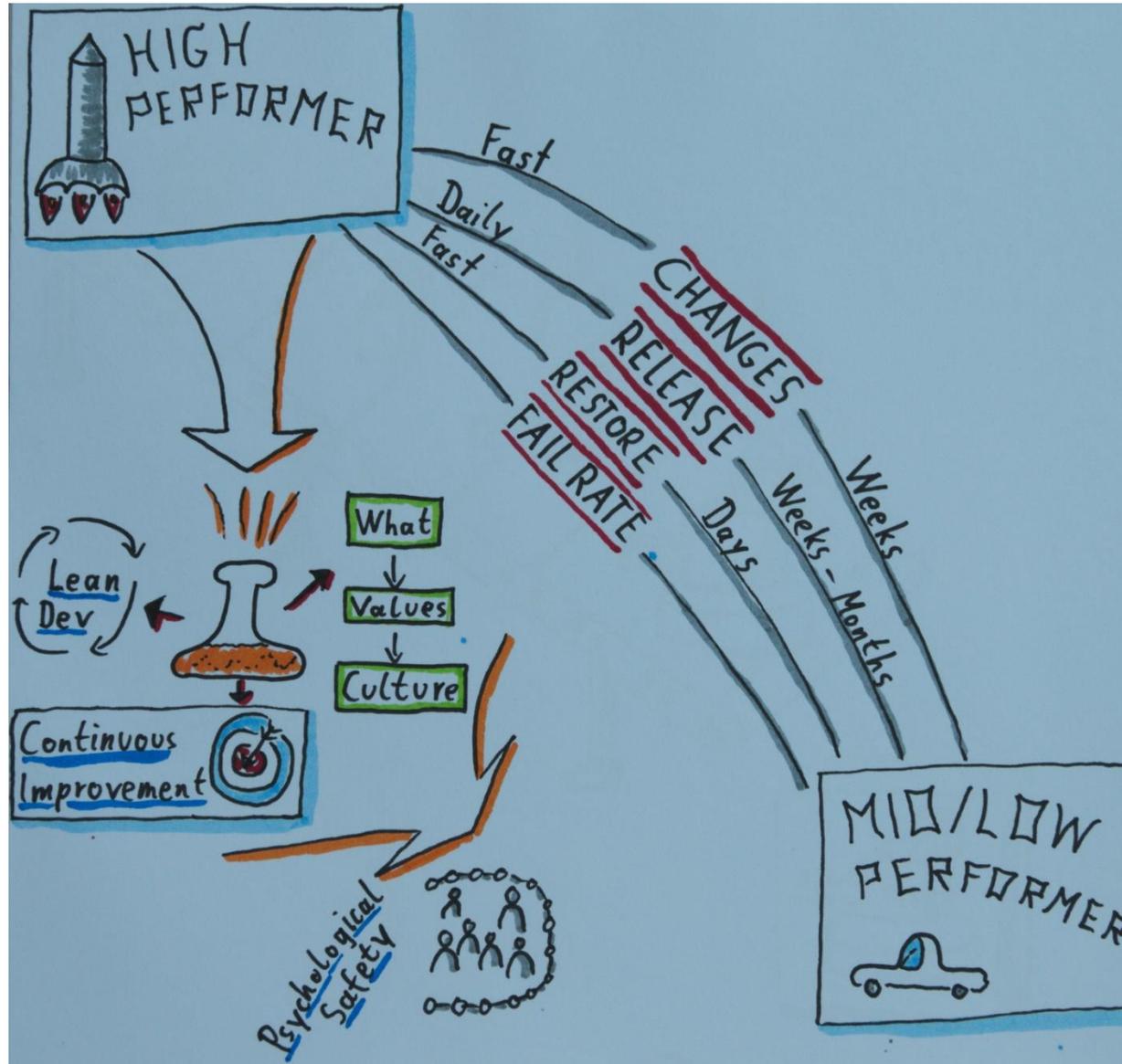
DIN 66272

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# Halbe Wahrheiten



# Empathy Driven Development



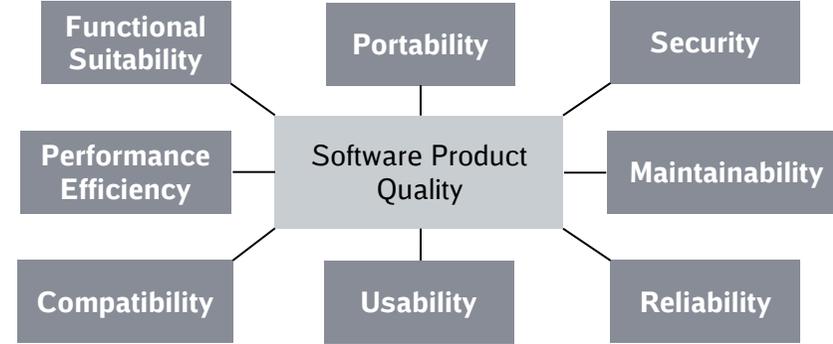
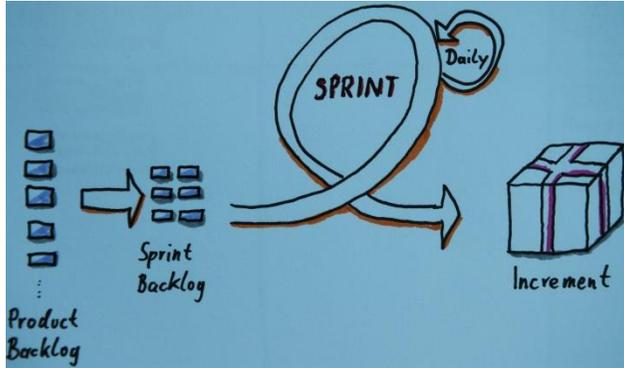
# Empathy Driven Development



"being able to show and employ one's self without fear of negative consequences of self-image, status or career" (Kahn 1990, p. 708)

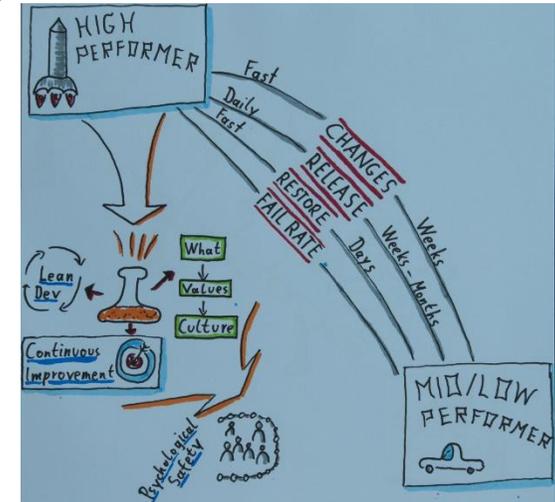
A hand-drawn illustration on a light blue background. The word 'YES' is written in large, blocky, outlined letters. The 'Y' has a green shadow, the 'E' has a blue shadow, and the 'S' has a purple shadow. To the right of 'YES' is a blue comma. Below this, the word 'AND' is written in similar blocky, outlined letters. The 'A' has a red shadow, the 'N' has a green shadow, and the 'D' has a purple shadow. To the right of 'AND' are three small blue squares arranged horizontally, representing an ellipsis.

# Zusammenfassung



## Empathy Driven Development

YES,  
AND...



# No plan survives contact with the enemy

**Jez Humble**