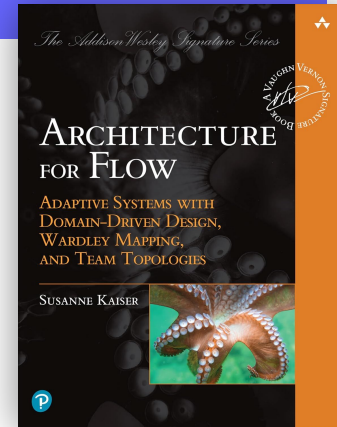


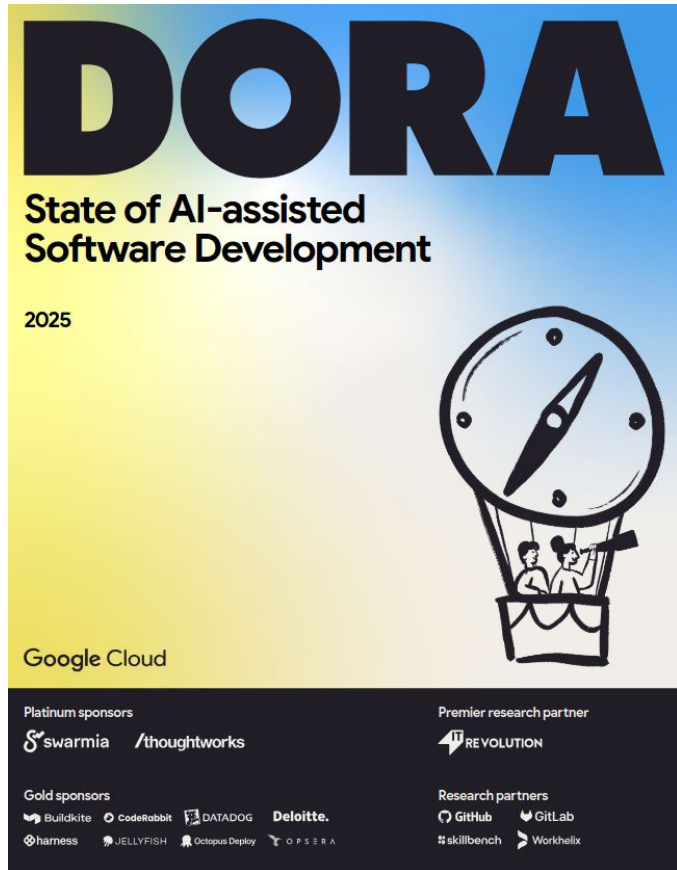
Architecture for Flow

Building Foundations for Continuous Change

Susanne Kaiser
Independent Tech Consultant
Author of "Architecture for Flow"



AI Makes Good Better and Bad Worse



AI amplifies
existing flow

AI exposes brittle
processes and
frictions

AI Doesn't Fix Your Bottlenecks

"Any improvement made anywhere besides the bottleneck is an illusion."

Eli Goldratt - Theory of Constraints

More work piling up

If underlying system does not evolve

No effect other than sitting idle

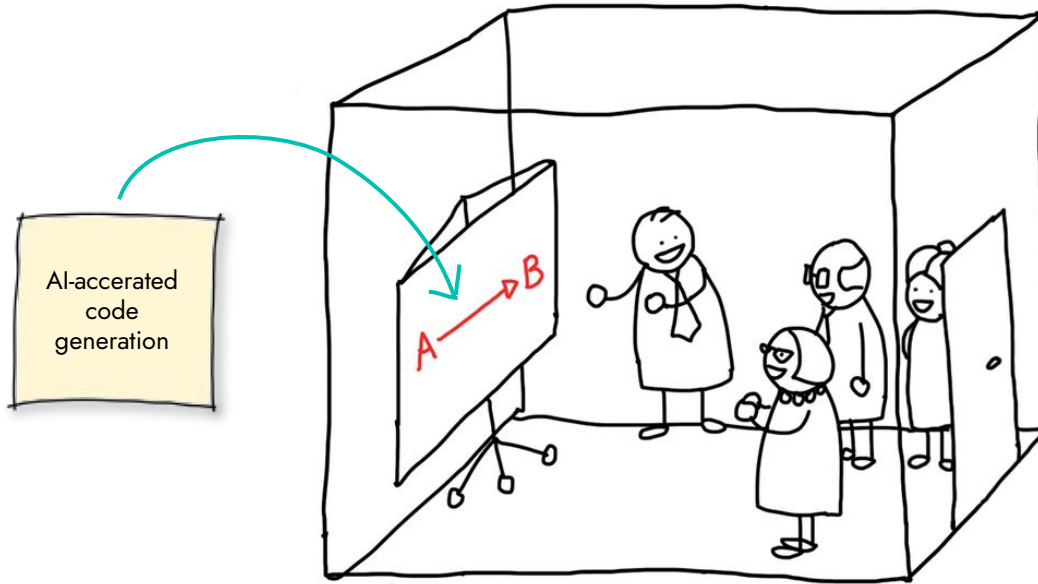
Decreased software delivery performance

Increased instability

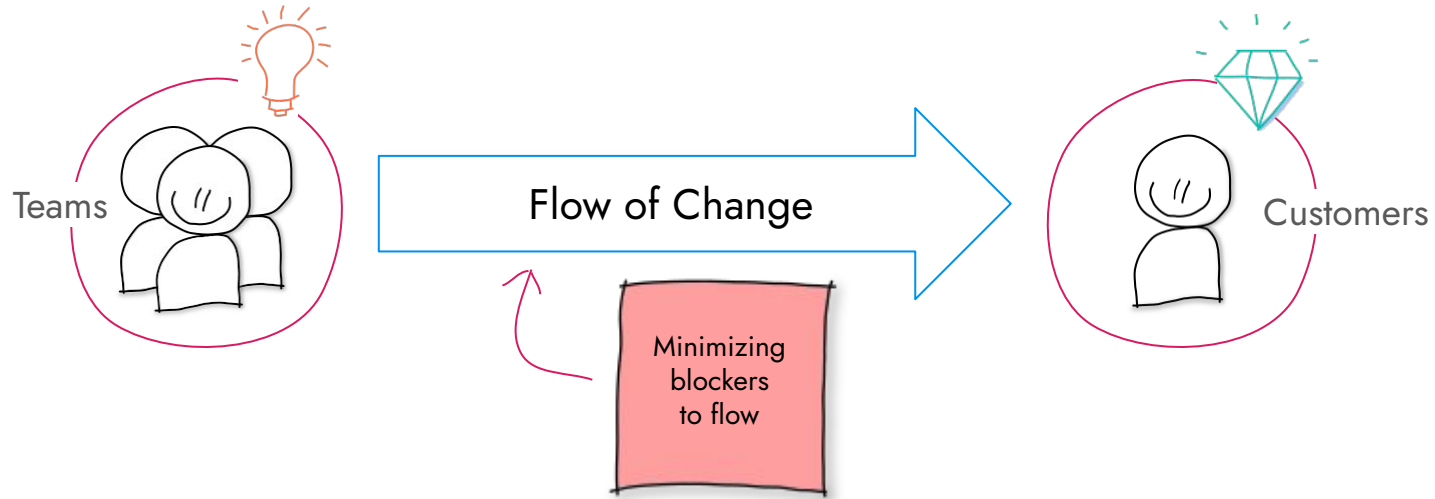
Image Source: Zootopia



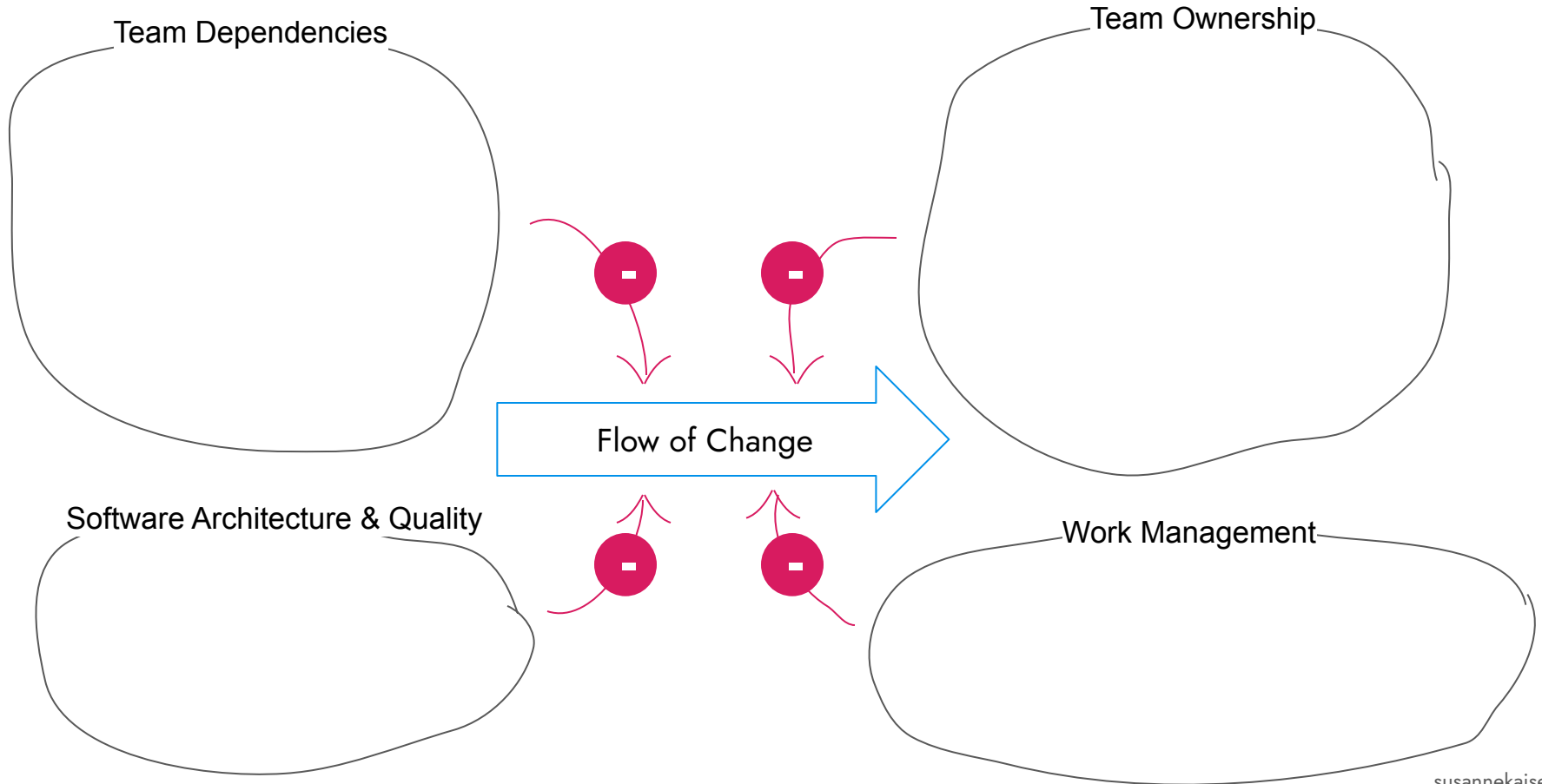
Accelerating one part ...



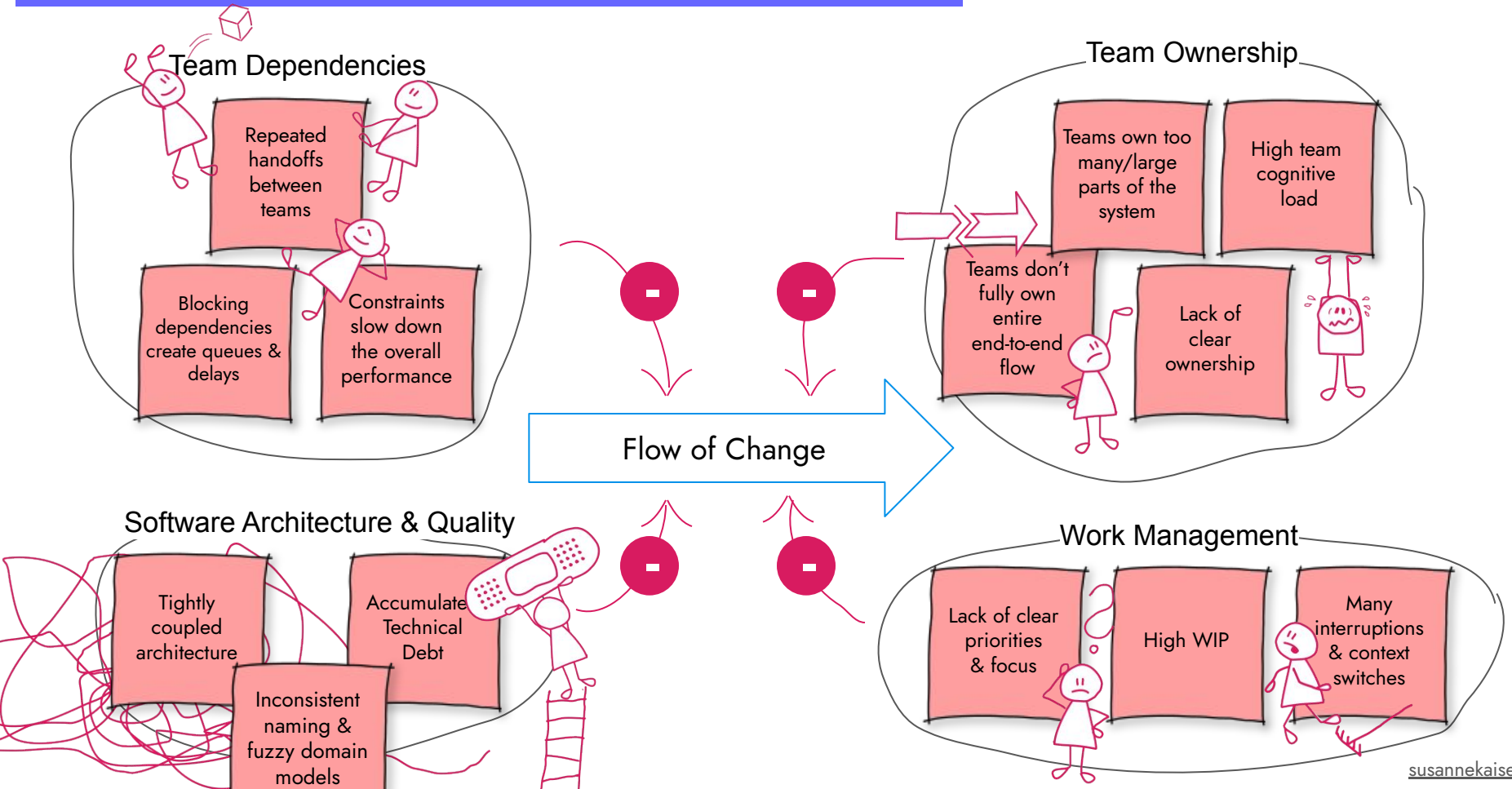
“Focus on flow, not just speed”



What is Preventing Flow? (Examples)

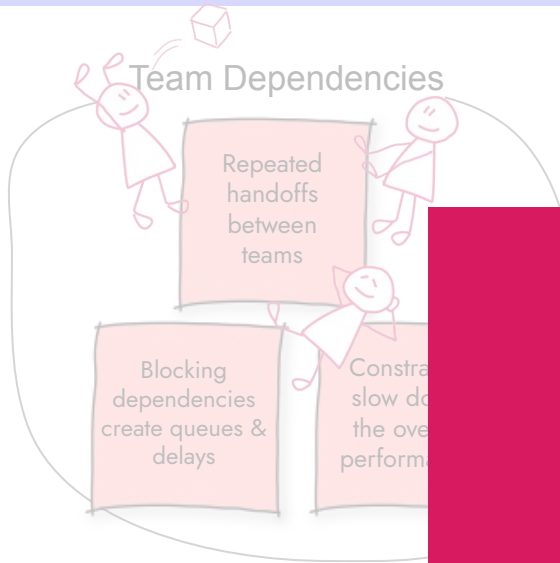


What is Preventing Flow? (Examples)

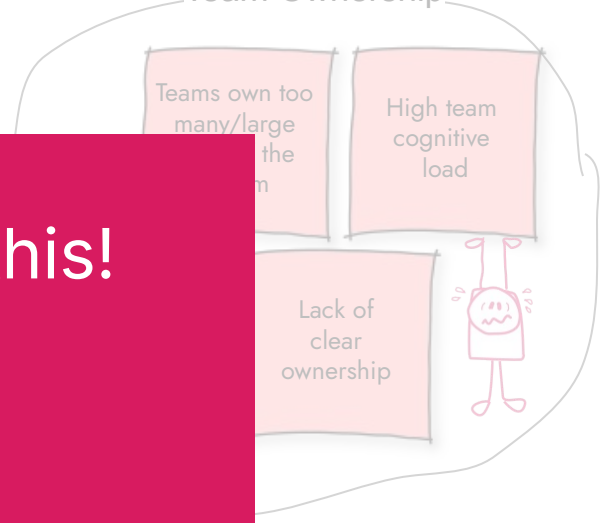


What is Preventing Flow? (Examples)

Team Dependencies



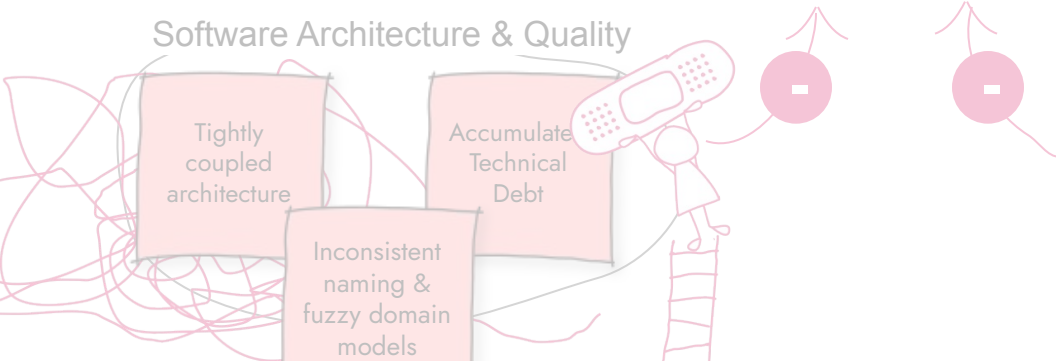
Team Ownership



Now add AI to this!



Software Architecture & Quality

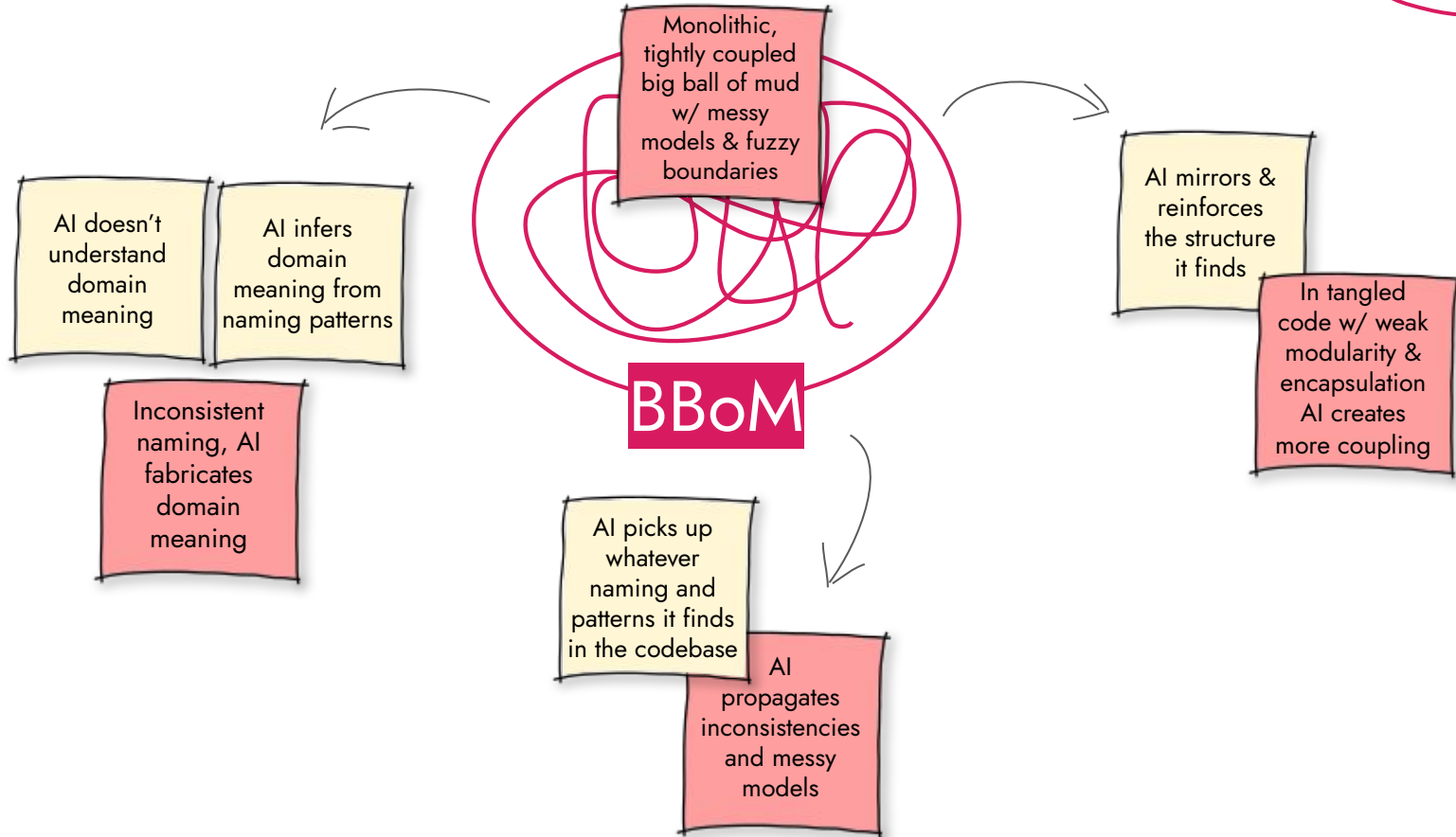


Work Management



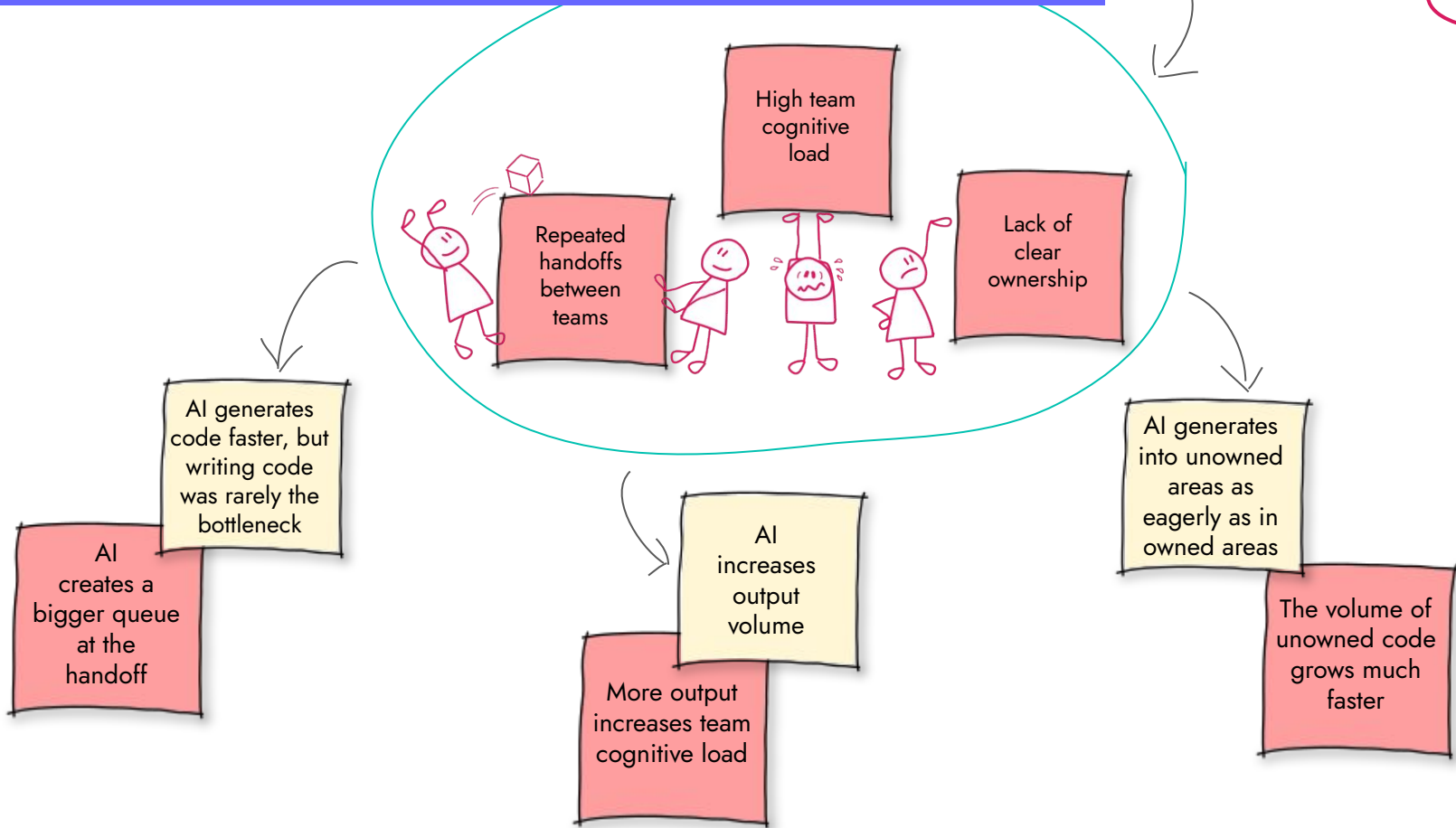
AI Mirrors Structures it Finds

Risks



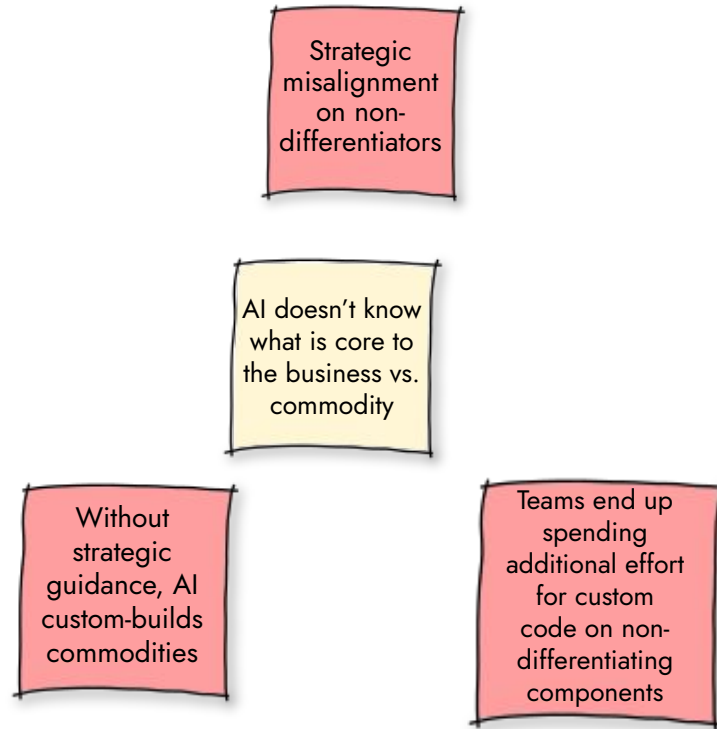
AI Amplifies Organizational Frictions

Risks



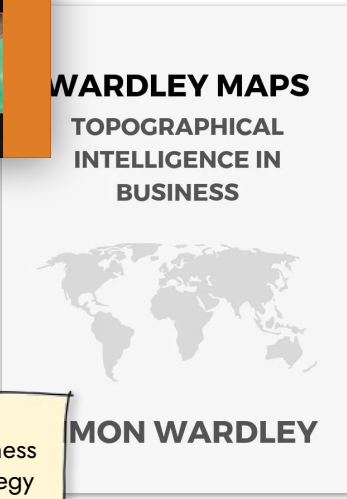
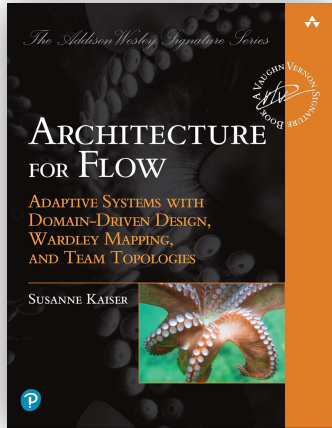
AI will help you to build the wrong things faster

Risks

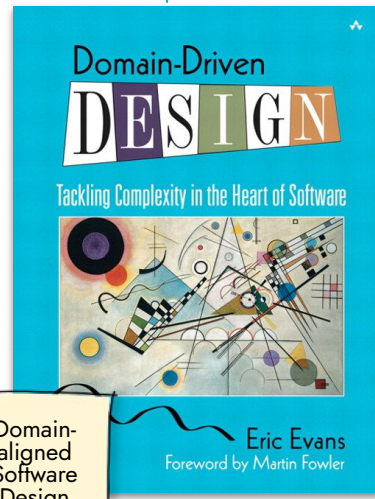


Building Foundations for Continuous Change

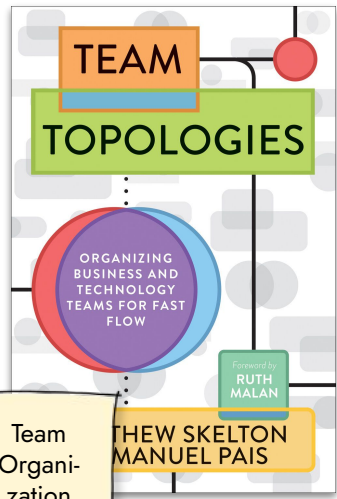
Adaptive, socio-technical systems optimized for a fast flow of value & feedback



Business Strategy



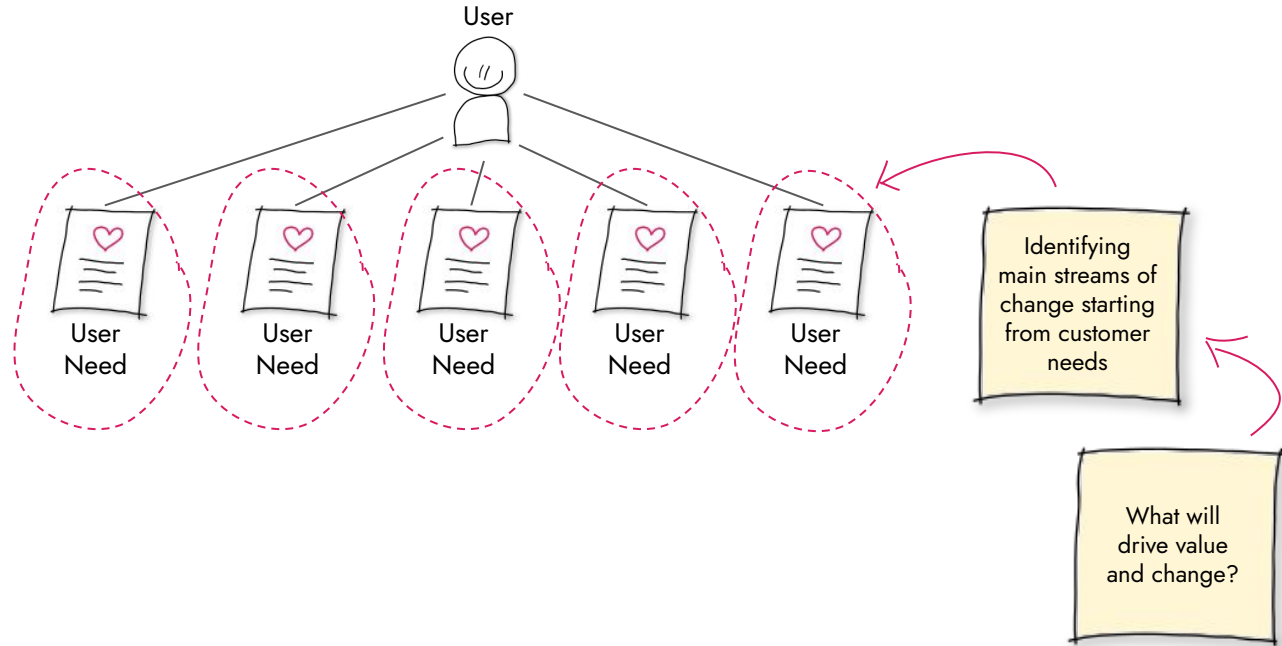
Domain-aligned Software Design



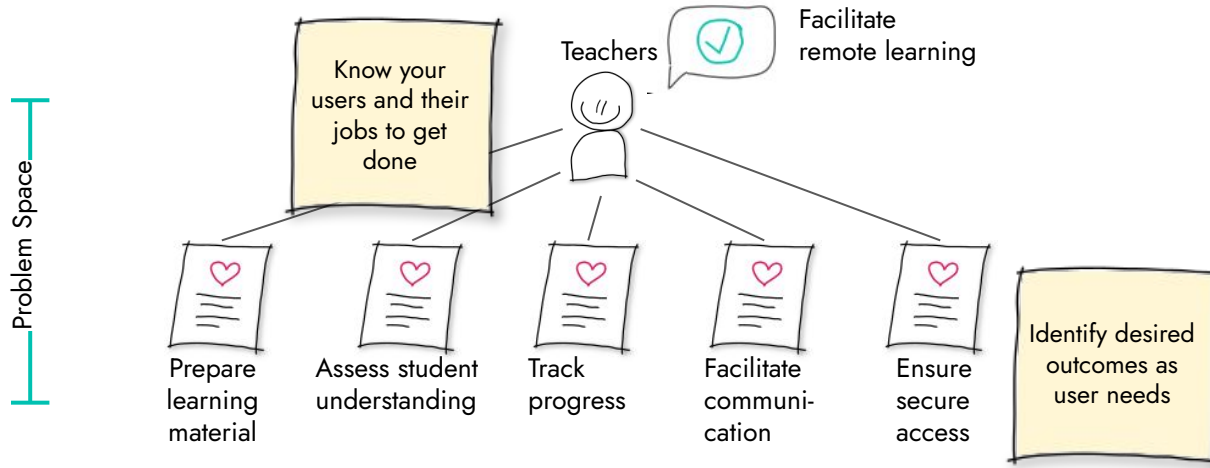
Team Organization



Identifying Streams of Change



Starting from the User Perspective

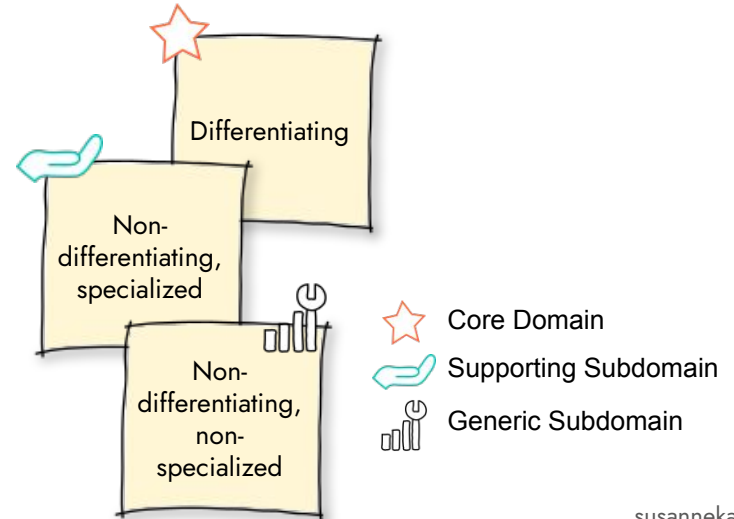
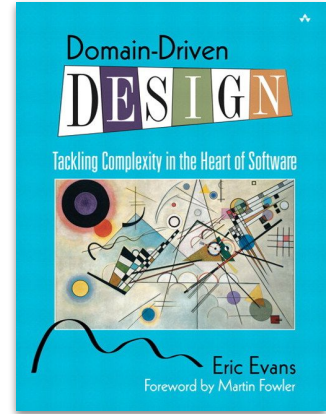
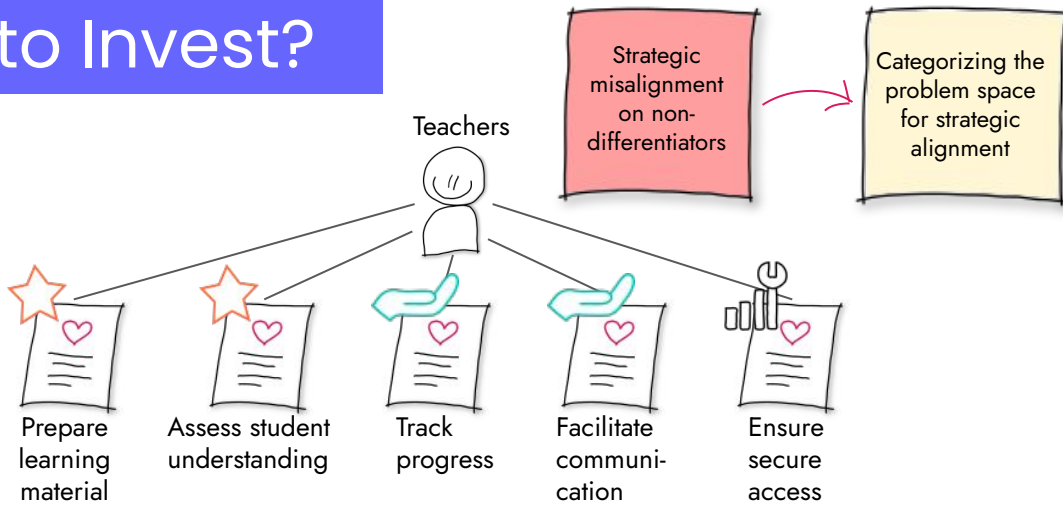


"People buy products and services to get a job done."

Clayton Christensen

Where to Invest?

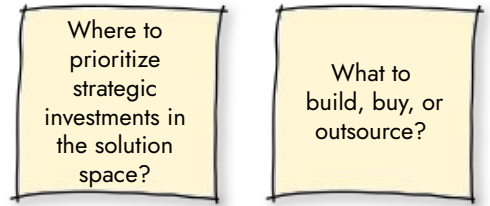
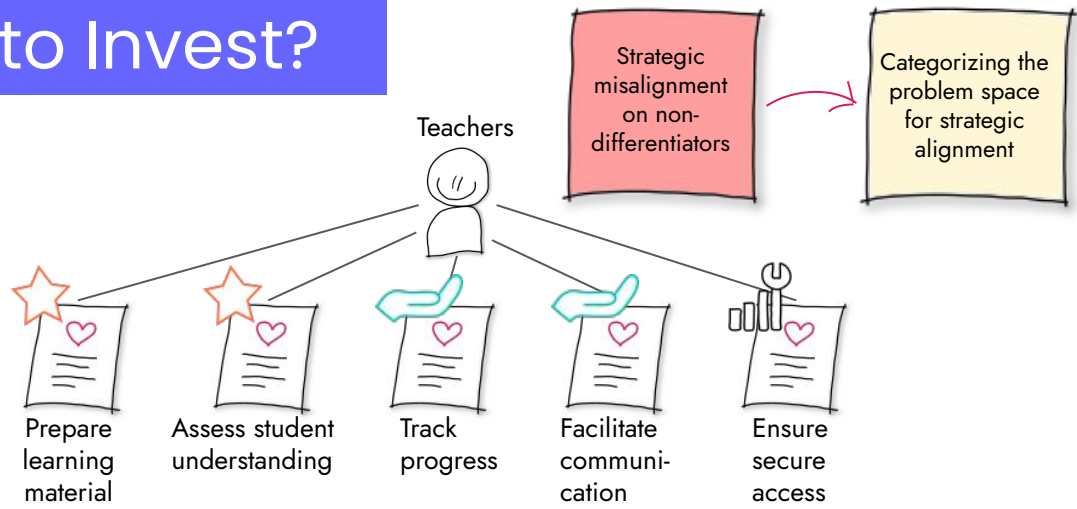
Problem Space






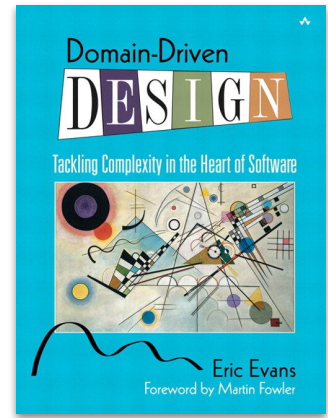
Where to Invest?

Problem Space

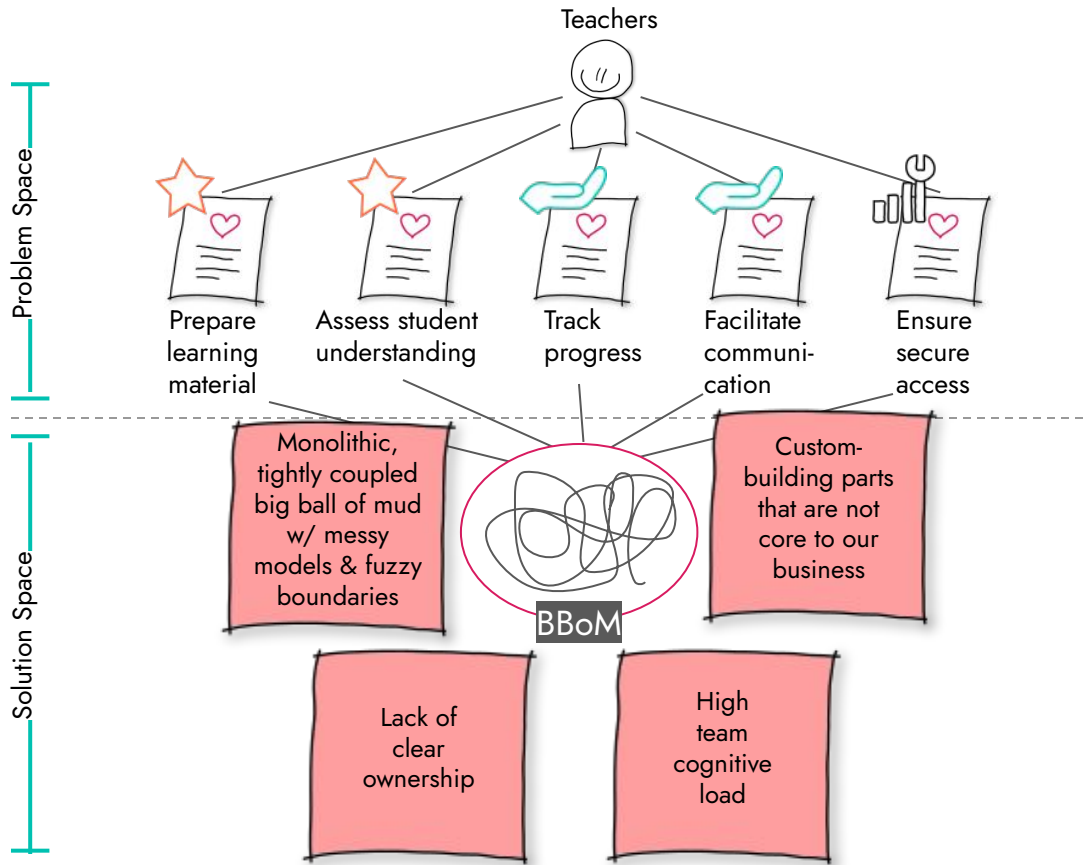
Solution Space






-  Core Domain
-  Supporting Subdomain
-  Generic Subdomain

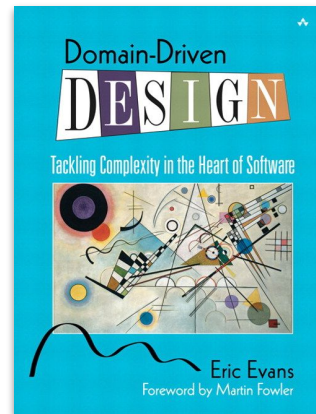
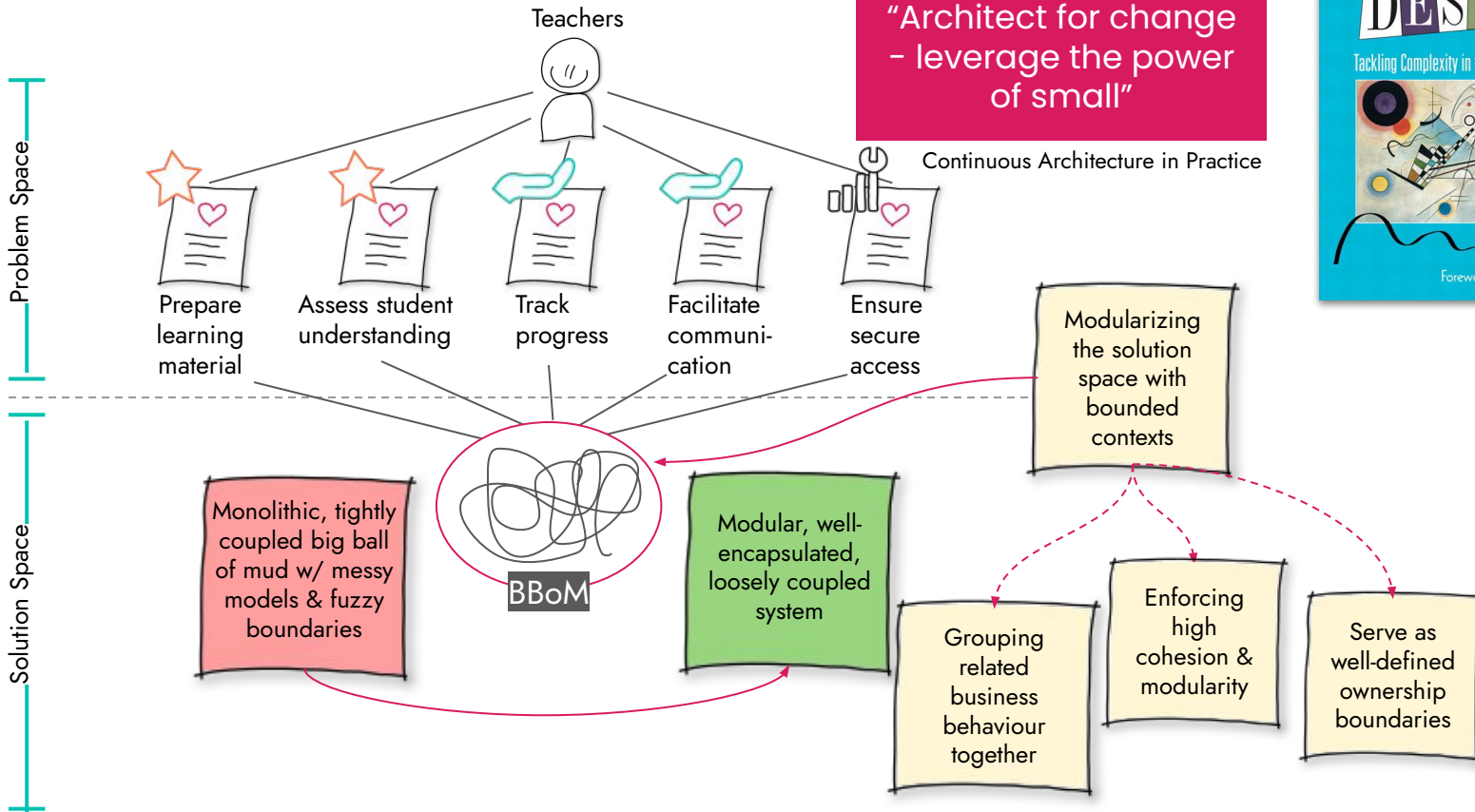


Modularizing the Solution Space

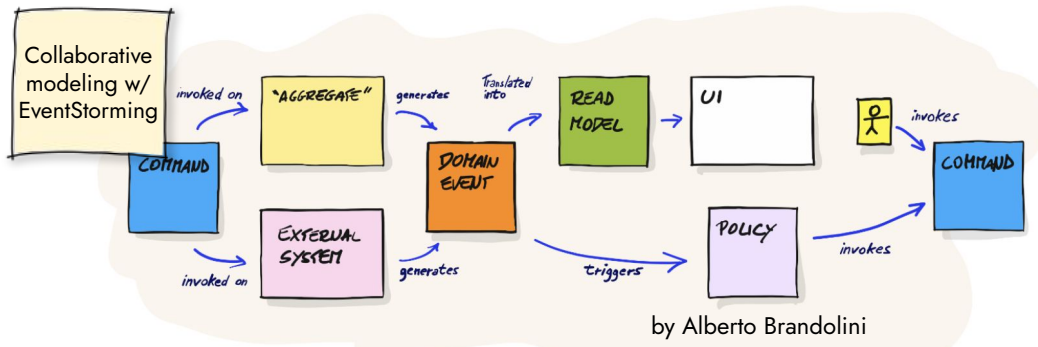
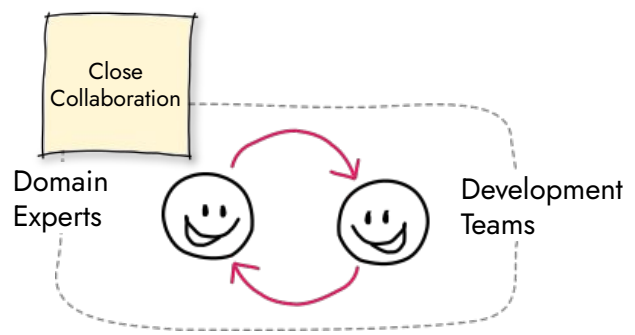


-  Core Domain
-  Supporting Subdomain
-  Generic Subdomain

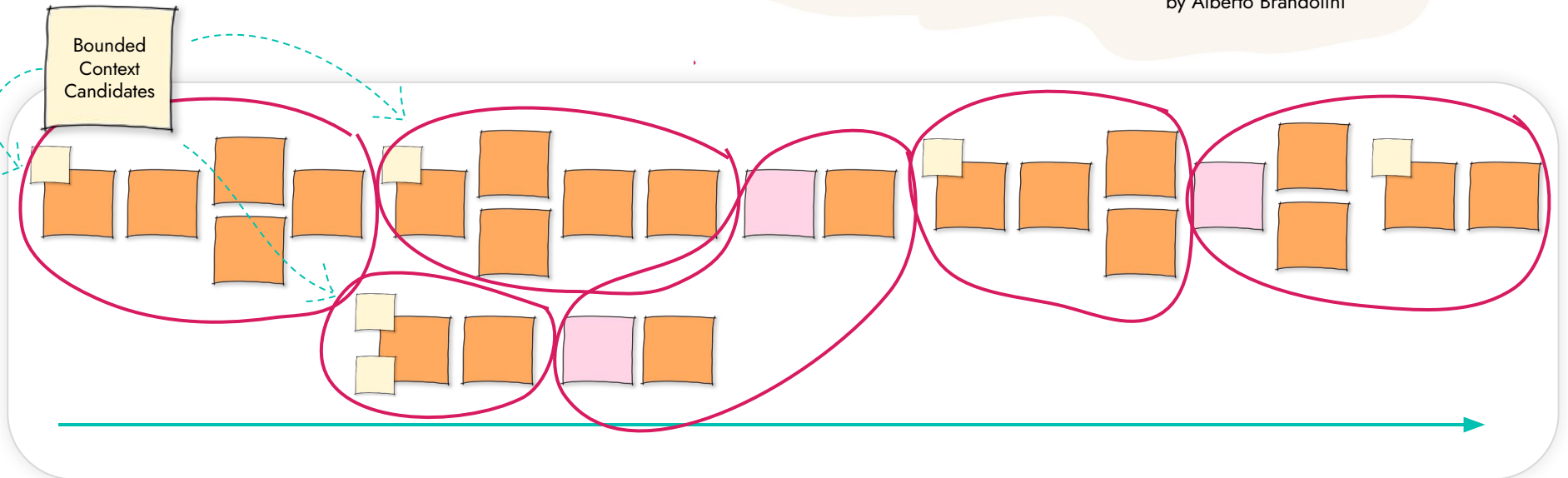
Modularizing the Solution Space



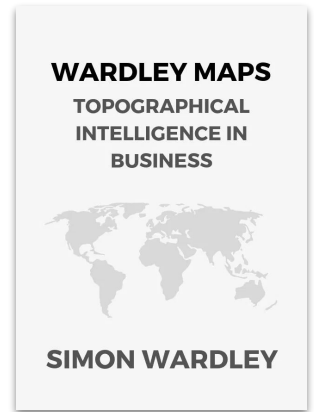
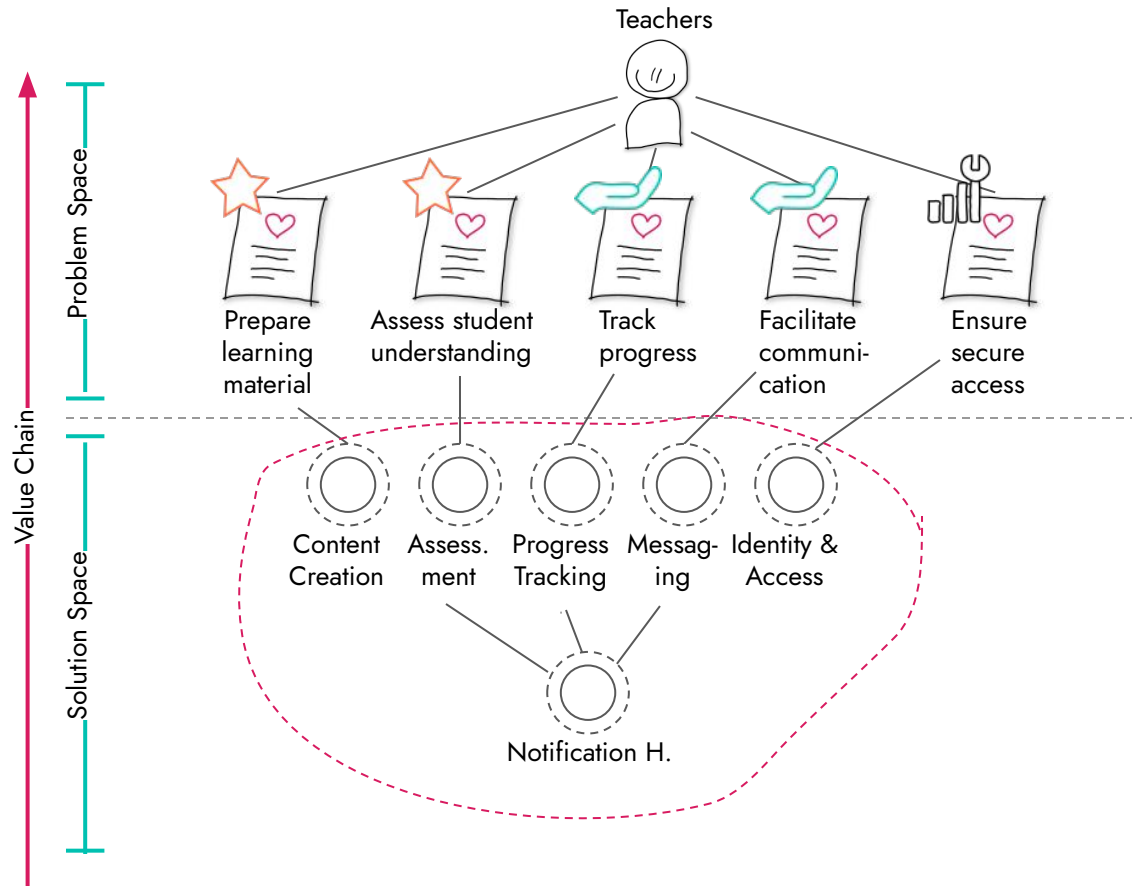
Modularizing the Solution Space







by Alberto Brandolini

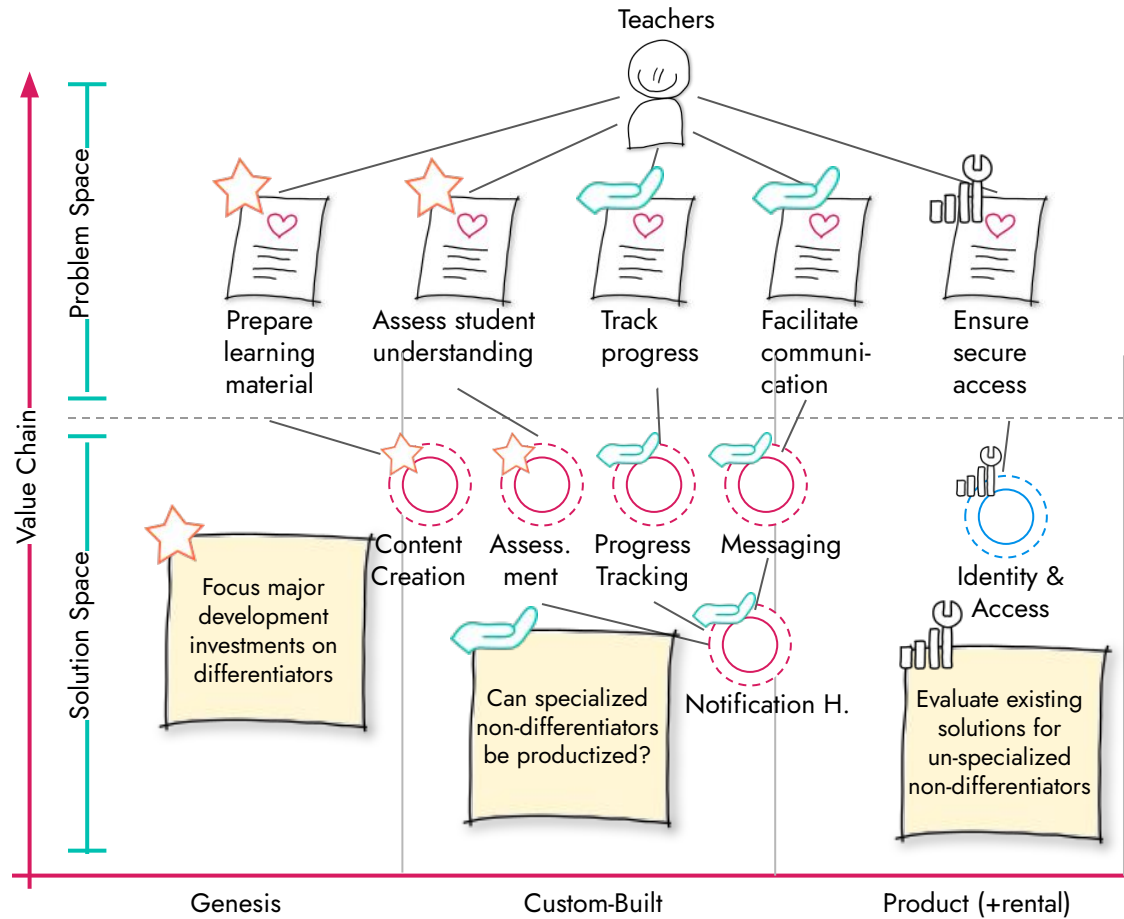
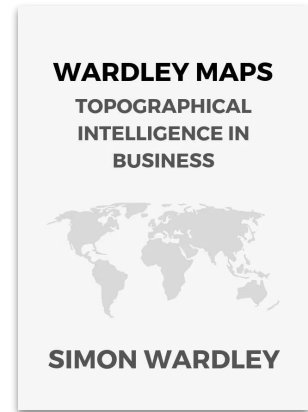


Bounded Contexts & Value Chain



-  Core Domain
-  Supporting Subdomain
-  Generic Subdomain
-  Bounded Context

Envisioning the Future Landscape



- ★ Core Domain
- 👉 Supporting Subdomain
- 🔧 Generic Subdomain
- Bounded Context
- Build in-house
- Use/buy off-the-shelf
- Outsource to utility suppliers

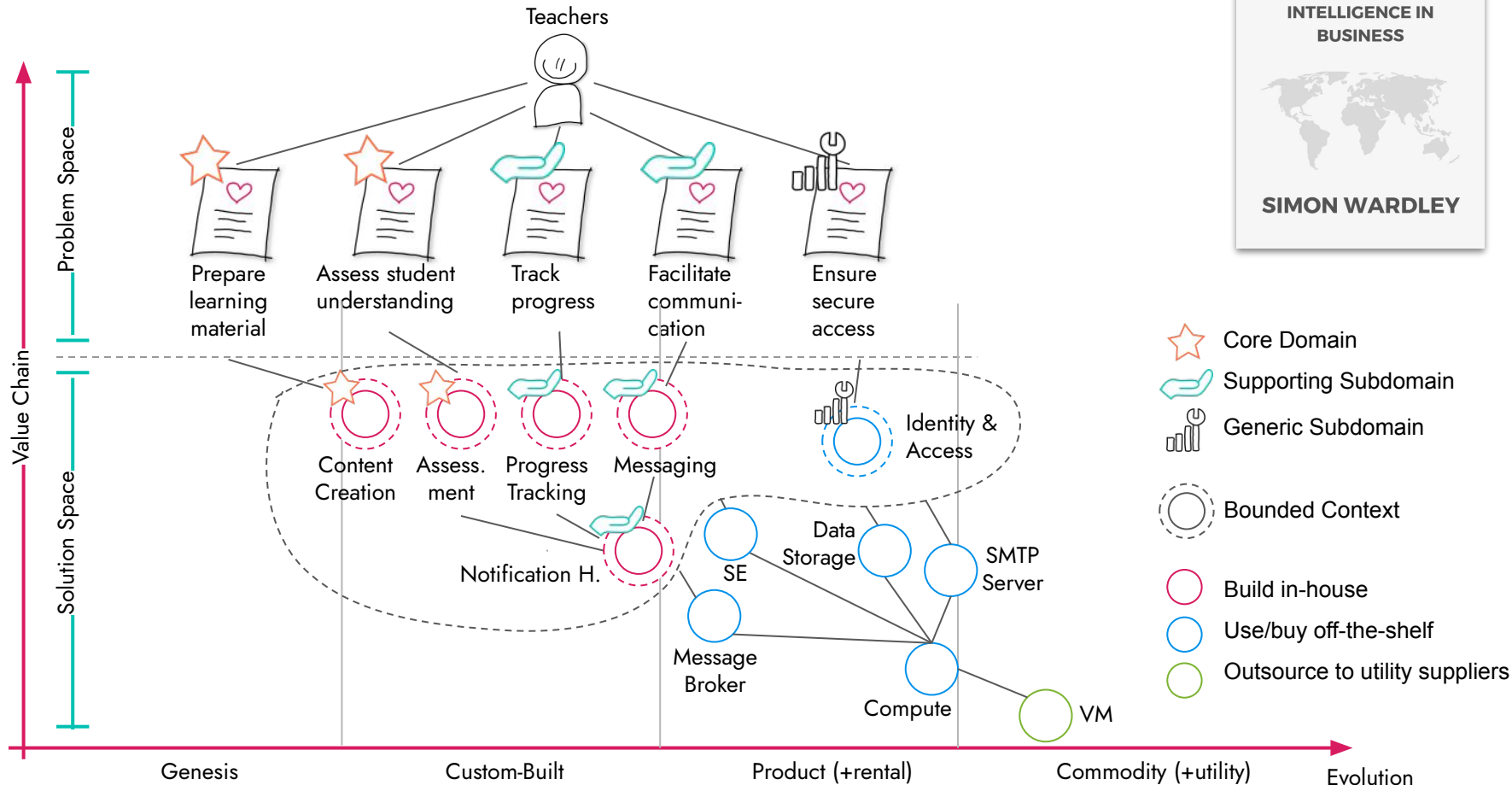
Envisioning the Future Landscape

WARDLEY MAPS

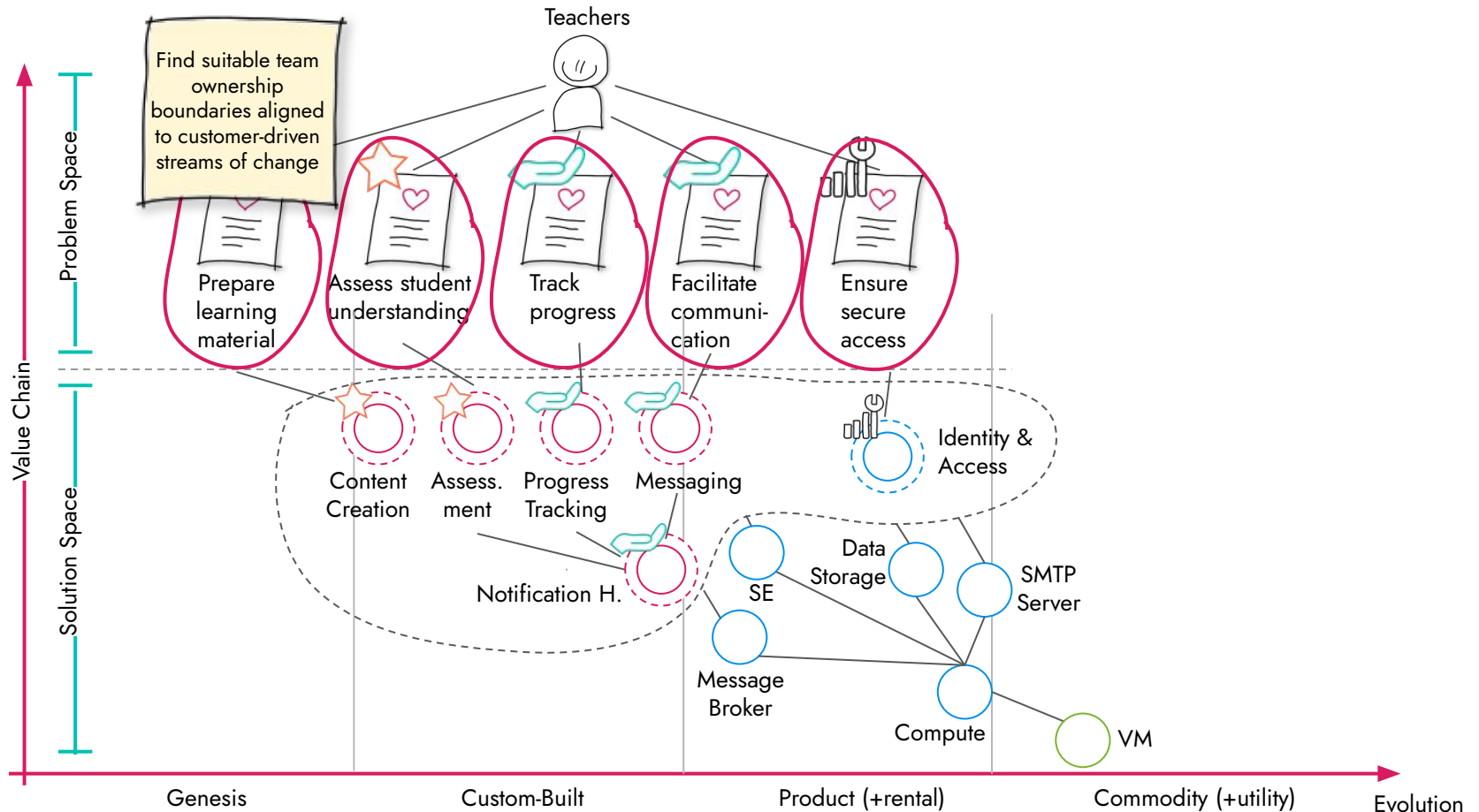
TOPOGRAPHICAL
INTELLIGENCE IN
BUSINESS



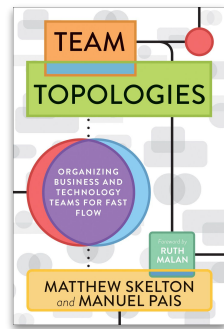
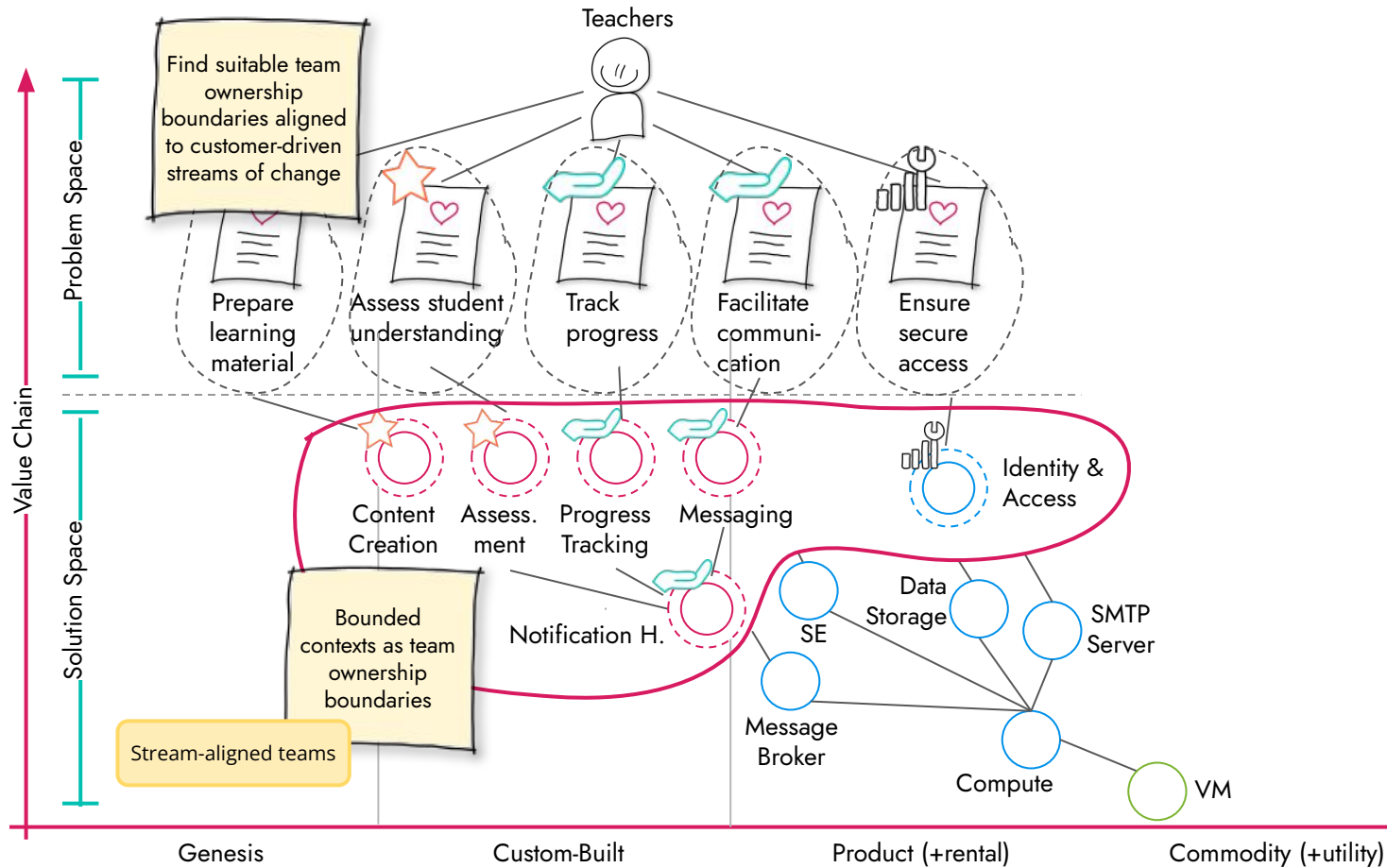
SIMON WARDLEY



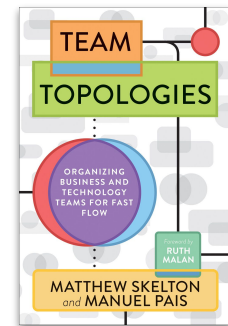
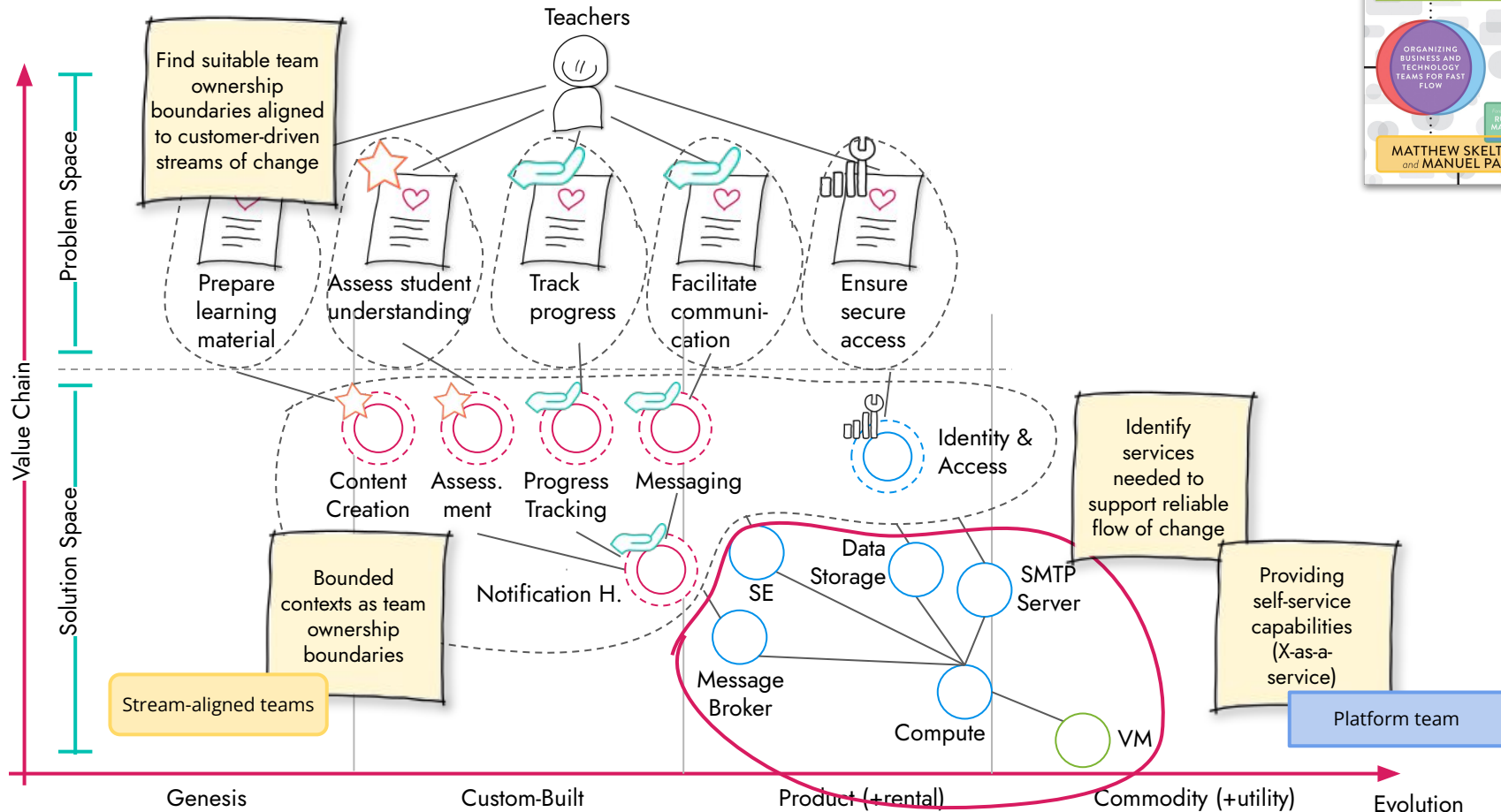
Aligning Teams



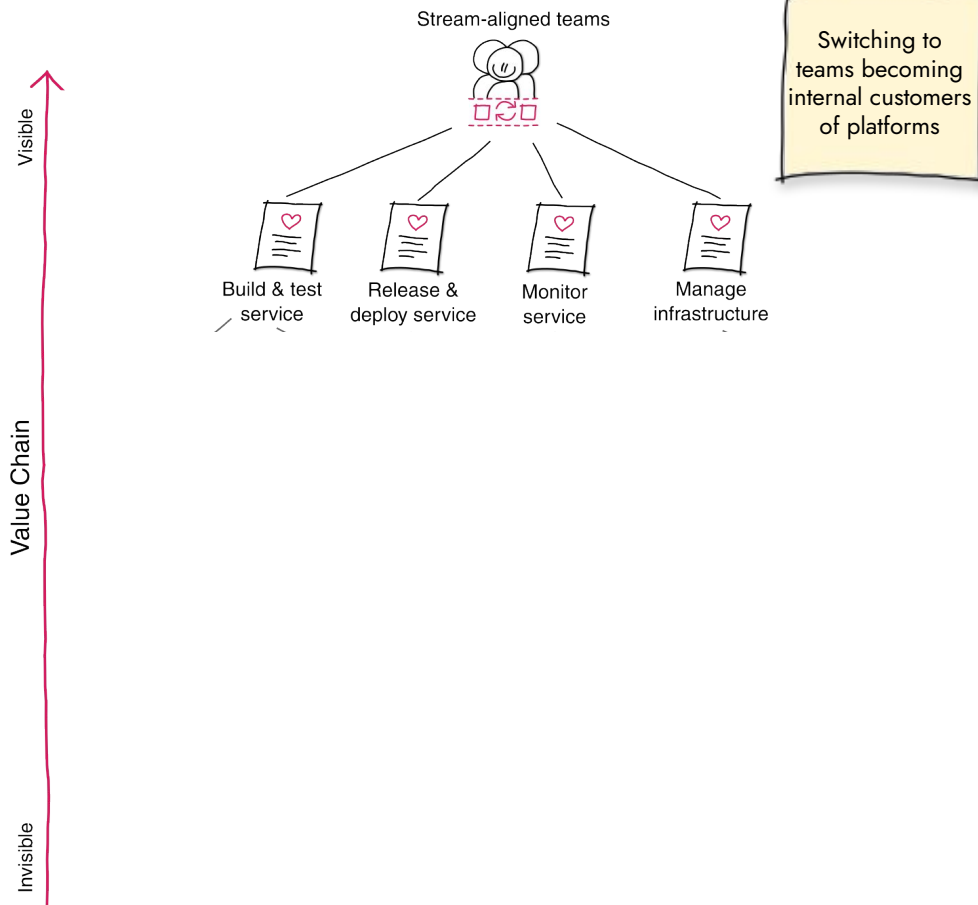
Aligning Teams



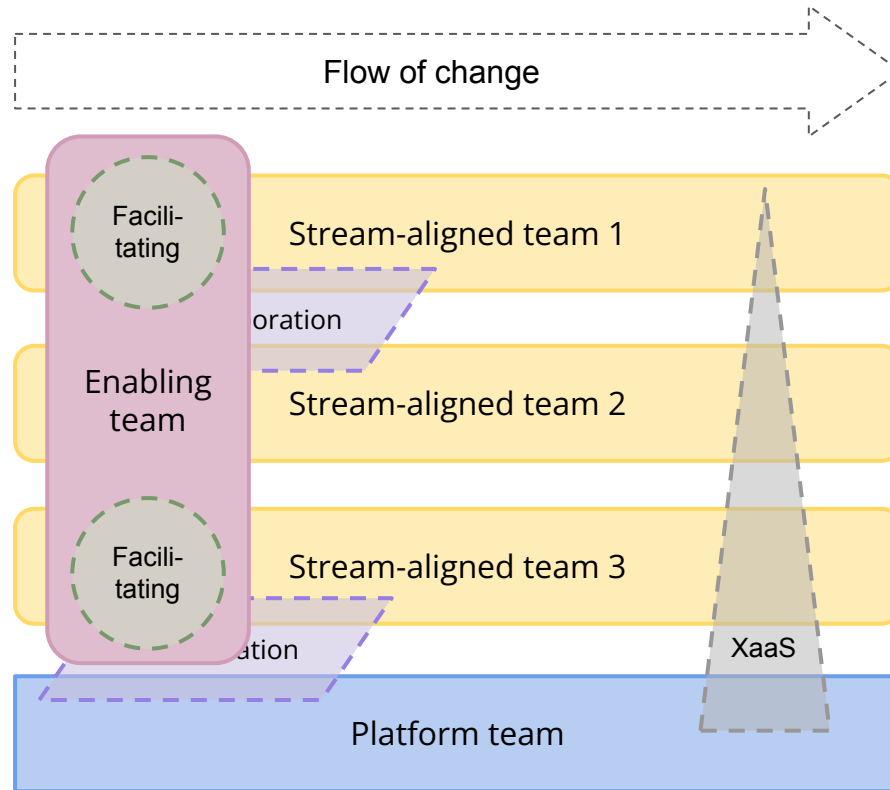
Aligning Teams



Identifying Platform Candidates



Evolving Team Interactions



Architecture for Flow Canvas

START
AS-IS

1

Current Issues & Why of Missing

What are the current issues (problems)?
What are the reasons of the current issues?
What are the current issues?
What are the current issues (problems)?
What are the current issues (problems)?
What are the current issues (problems)?

2

Current Flow

What are the current flows (processes)?
What are the current flows (processes)?

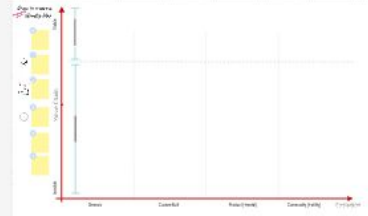
What are the current flows (processes)?
What are the current flows (processes)?



3

Current Business Landscape

Visualizing the business landscape with Viability Maps



4

Composing the Problem Space

Composing the Problem Space



5

Viability in the Solution Space

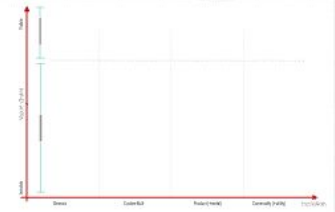
Developing solution space (design decisions)



6

Future Business Landscape & Business Contexts

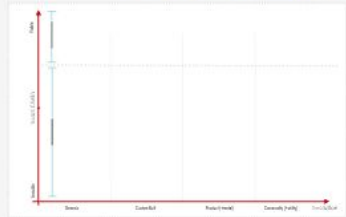
Visualizing the future business landscape with Viability Maps



7

Future Team Operating Boundaries

Identifying future team operating boundaries

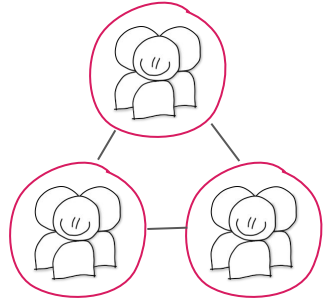


8

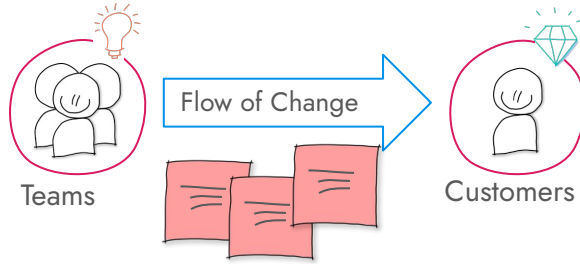
Future Team Coordination & Interwork Modes



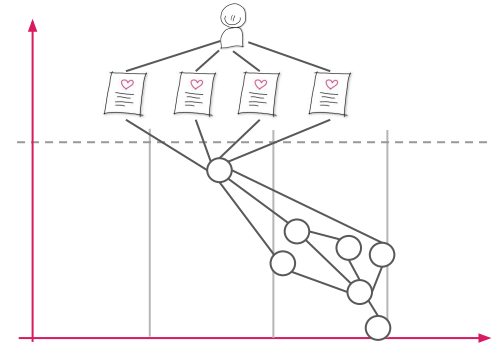
Assessing the Current State



Analyzing Current Teams & Dependencies



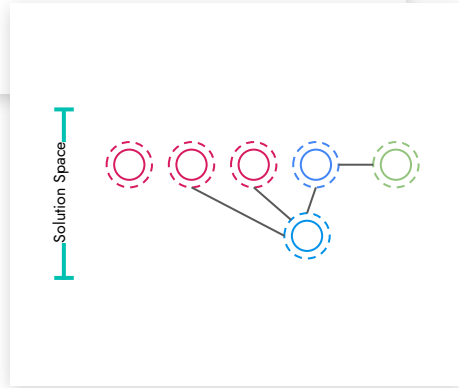
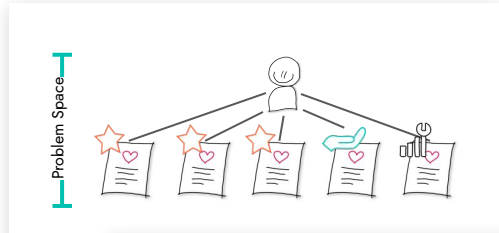
Assessing Current Flow of Change



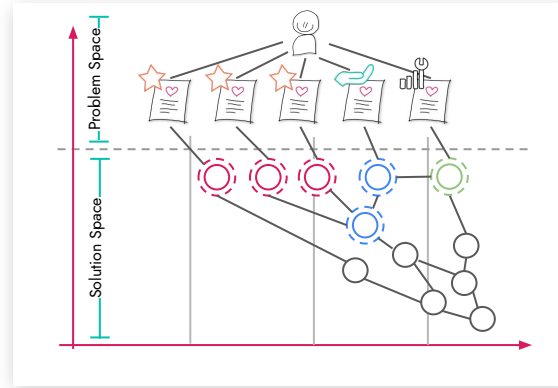
Mapping the Current Business Landscape

Designing the Ideal Future as First Work Assumption

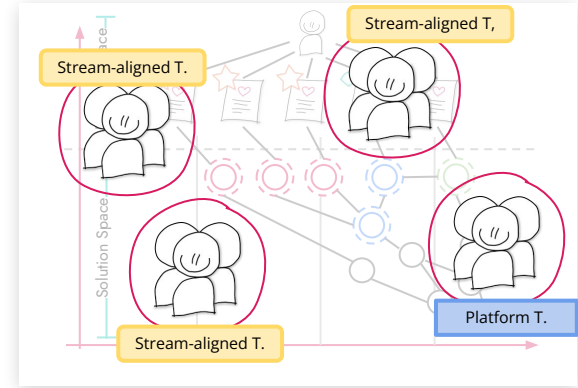
Categorizing the Problem Space



Modularizing the Solution Space

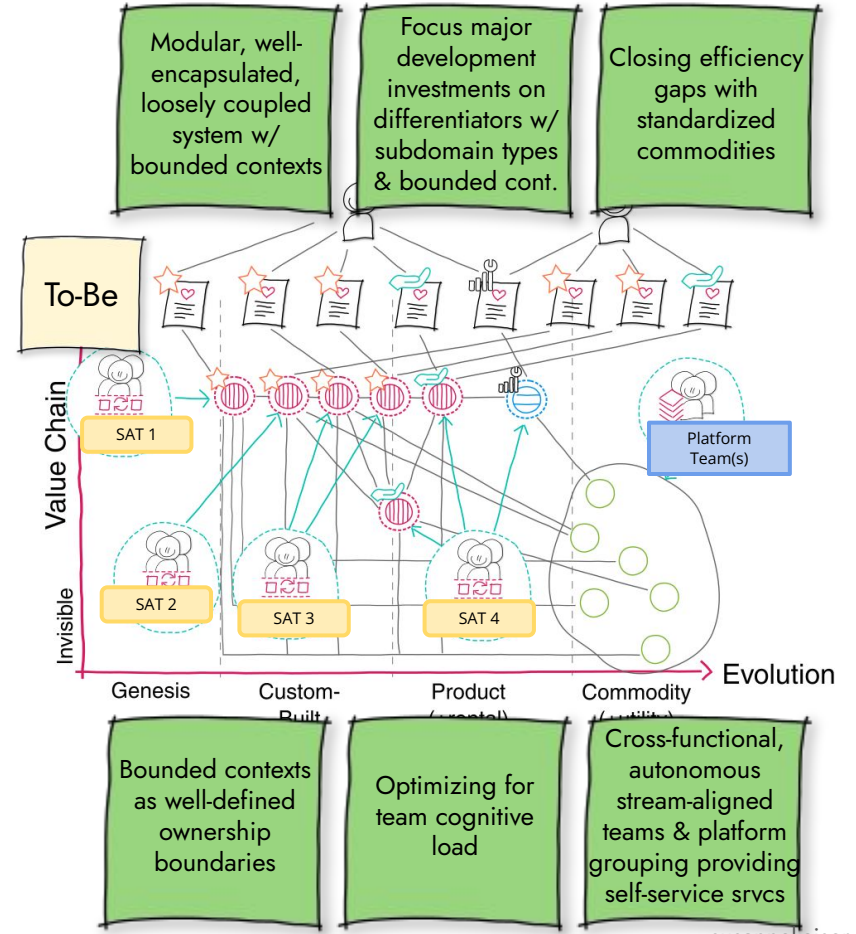
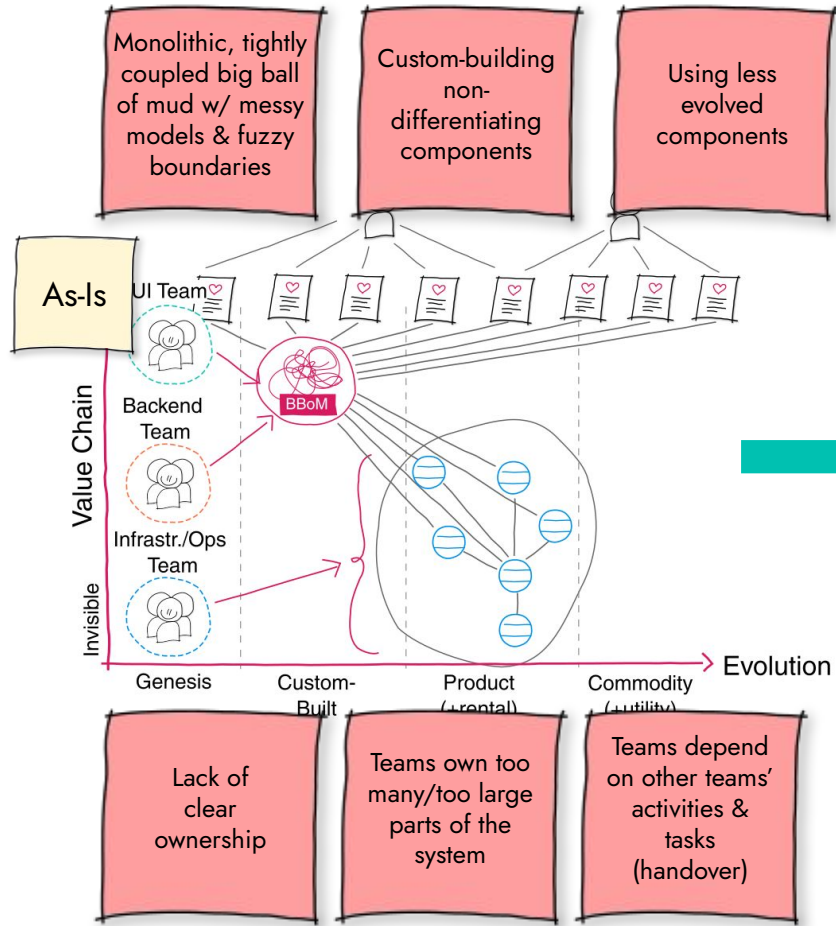


Envisioning the Future Landscape

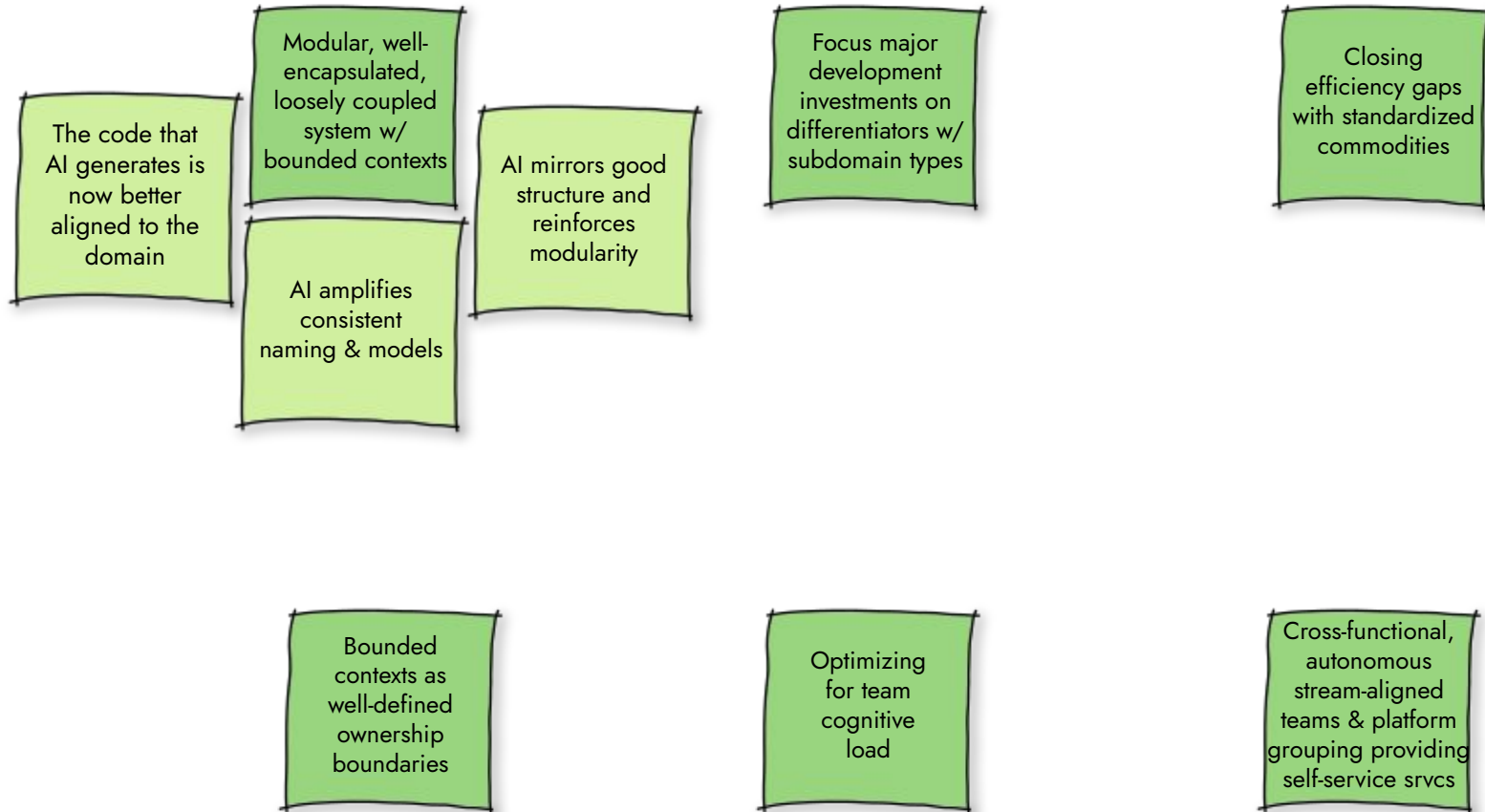


Aligning Future Teams & Interactions

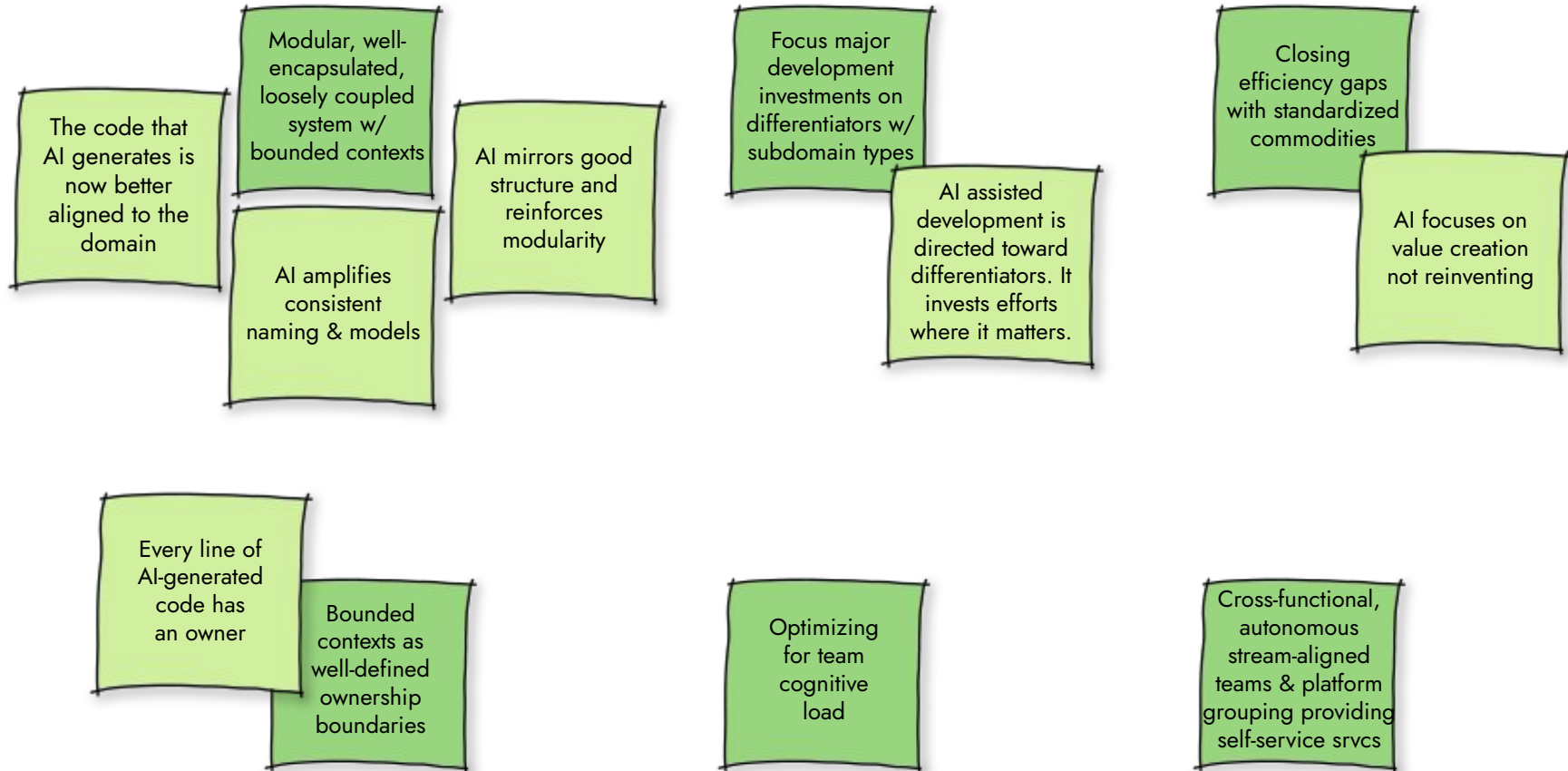
Unlocking Blockers to Flow



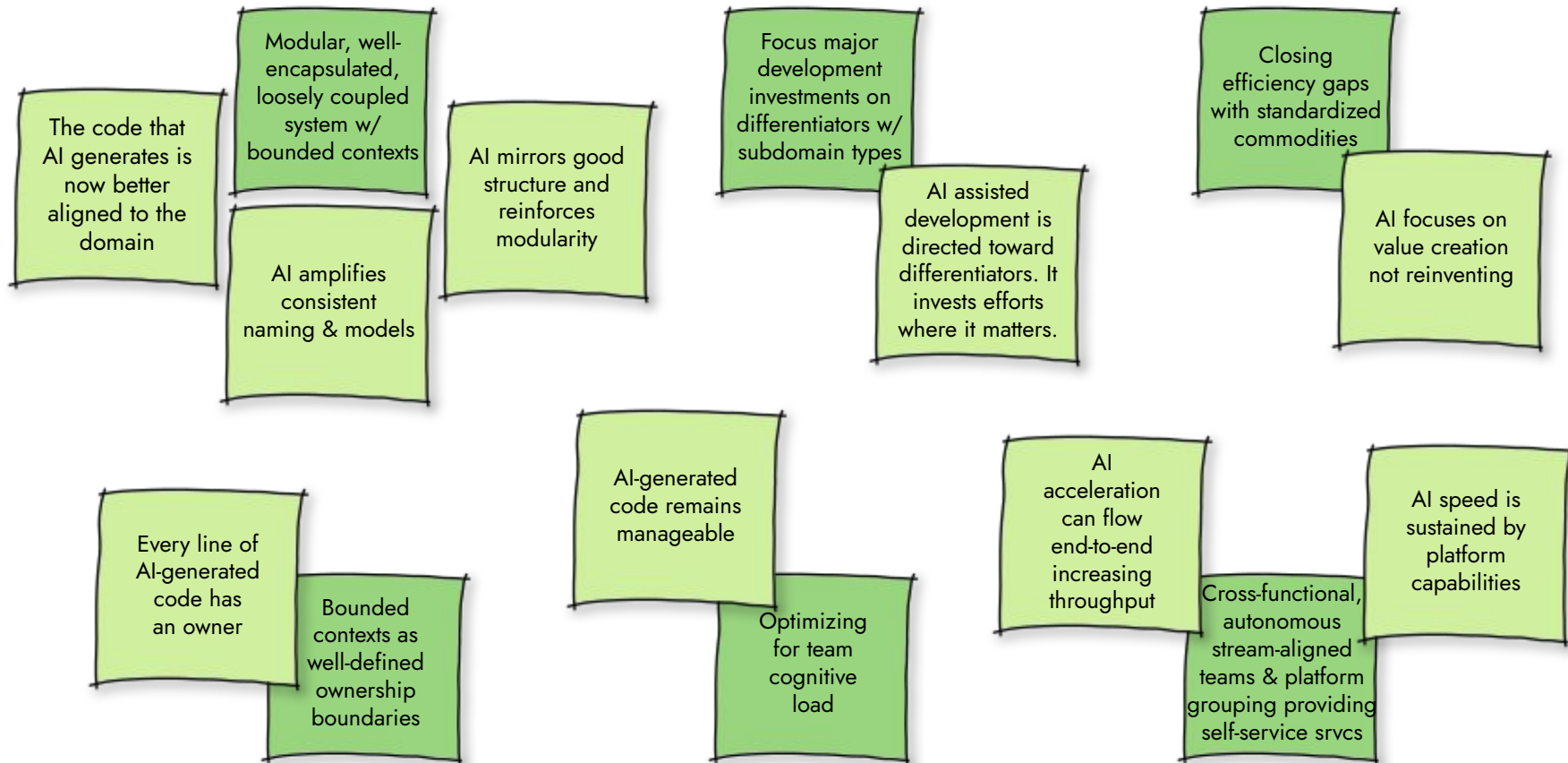
A Solid Foundation for Safe AI Adoption



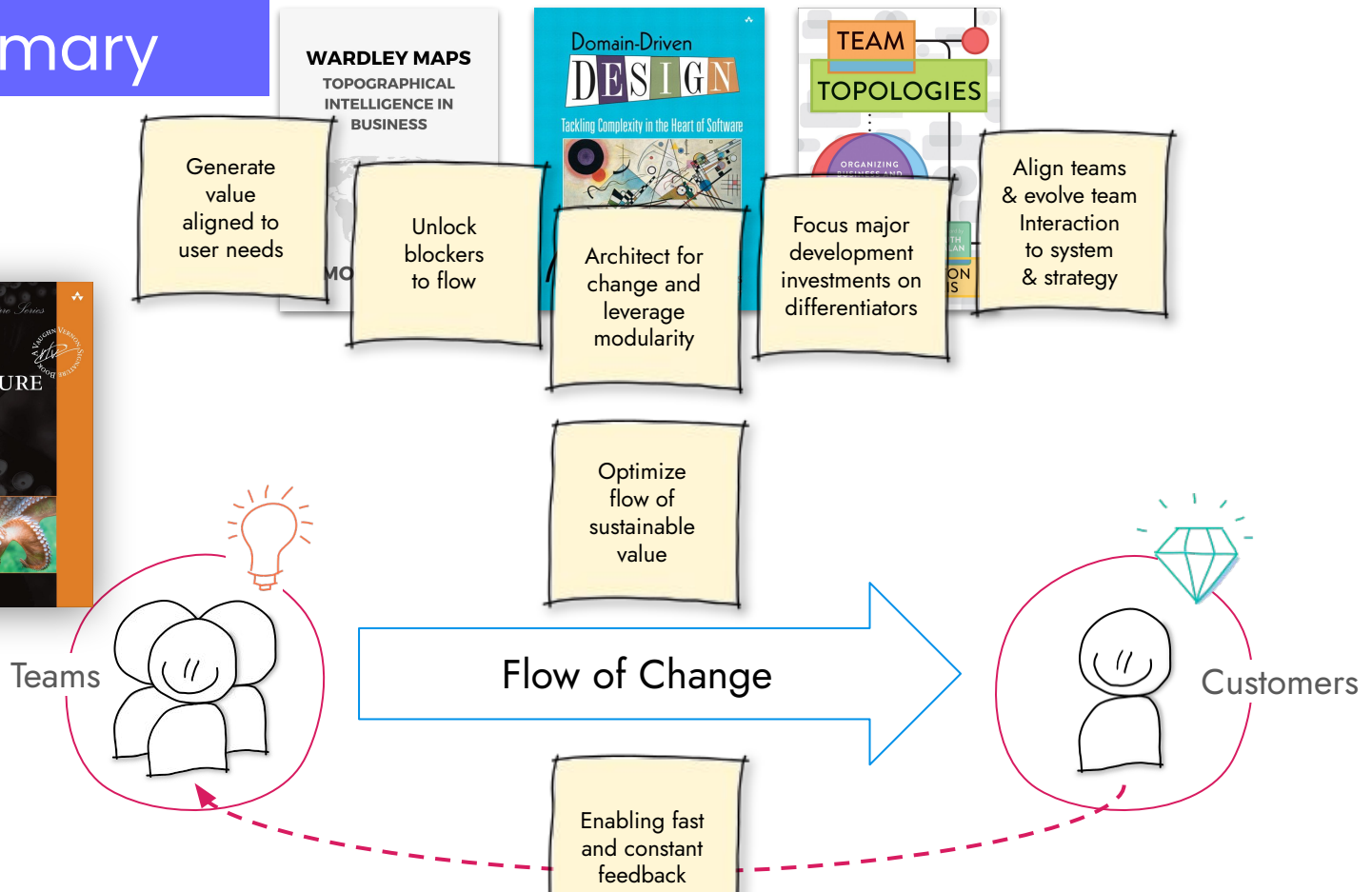
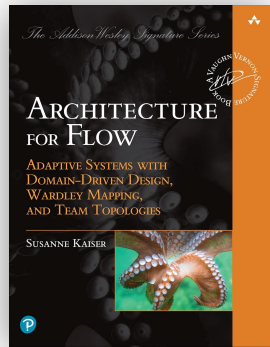
A Solid Foundation for Safe AI Adoption



A Solid Foundation for Safe AI Adoption



Summary



Not new because of AI, but essential for AI.

Thank you!

Susanne Kaiser

Independent Tech Consultant
Author of "Architecture for Flow"

<https://susannekaiser.net>

<https://linkedin.in/suksr>

<https://architectureforflow.com>

