

# Supporting Organizational Efficiency and Agility Models, Languages and Software Systems

## *My Background, Learnings, and Vision*

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# Background

1987 - 1995

## Education:

- Physics
- Computer Science

1989 - today

## Solution Development:

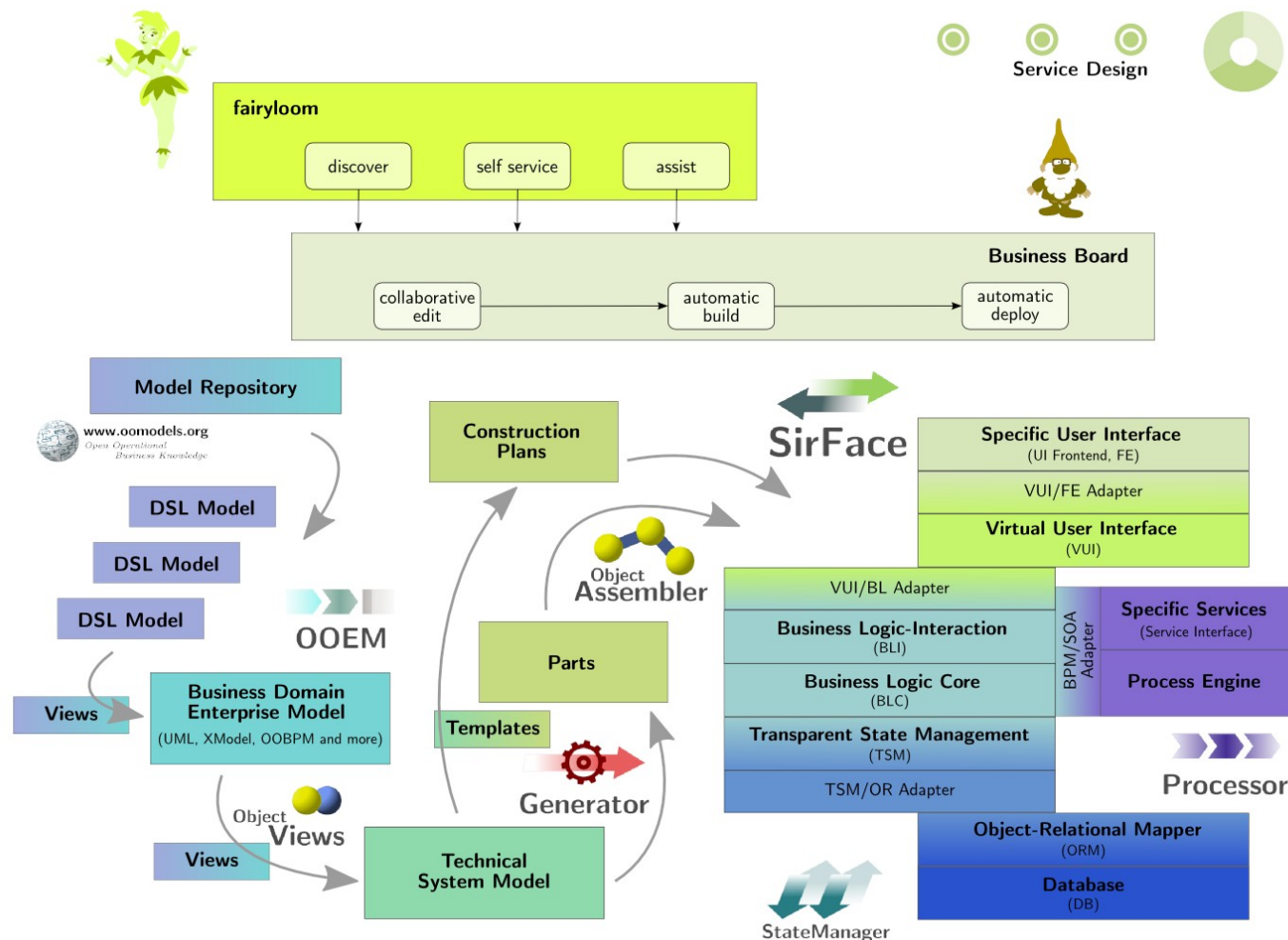
(small/medium-sized)

- Technology Companies  
AI, OODB, Internet
- Application Companies  
Insurance, Banking, Logistics, Warehouse, Infotainment, Trade

1992 - today

## Product Development:

- EM/OS  
Enterprise Model  
Operation Services



# Questionnaire: Modelling

Good Models	Purpose	Addressee
Business Model Canvas Customer Journey Canvas	Strategy Design	Management (higher level)
Classes, States, State Machines (BL, UI)	Communication (Knowledge)	Management (lower level) Domain Experts, IT Experts
Controlflow- <b>based</b> Processes & Story Maps	Full Stack Code Generation	Generator
Controlflow- <b>free</b> Processes	Communication (Draft)	Management (lower level) Domain Experts, IT Experts
DocBook (e.g.)	Full Stack Code Generation	Generator
	Documentation	Processed Reading: Everybody Writing: Experts
Systems IT/Enterprise Landscapes	Communication (Knowledge)	Management (lower level) Domain Experts, IT Experts
	Automated Deployment & Operation	Deployment & Monitoring Engine

Decision Making:  
Agile Approaches

good work

fun & useful

powerful, high potential

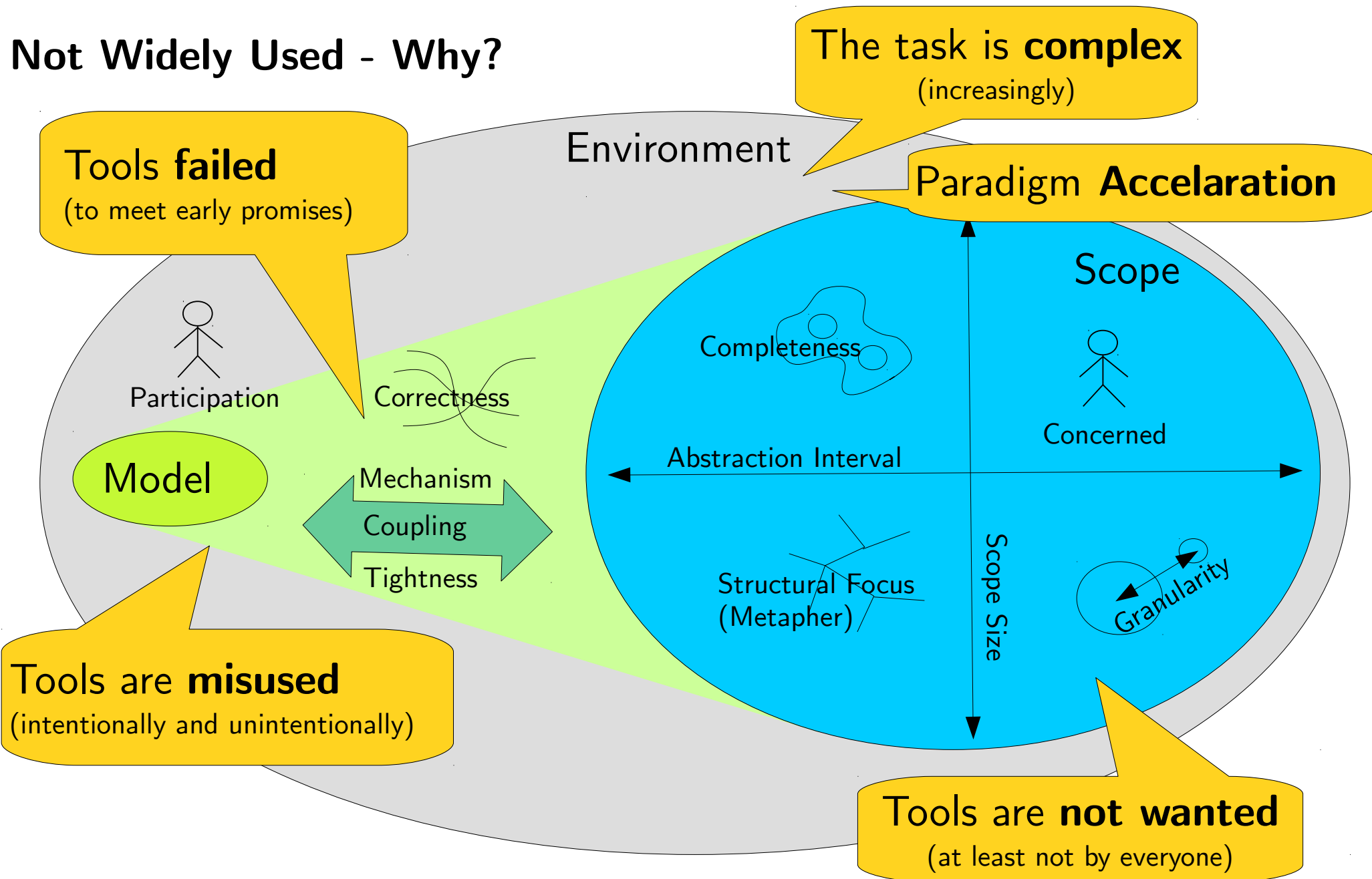
potential

workhorse

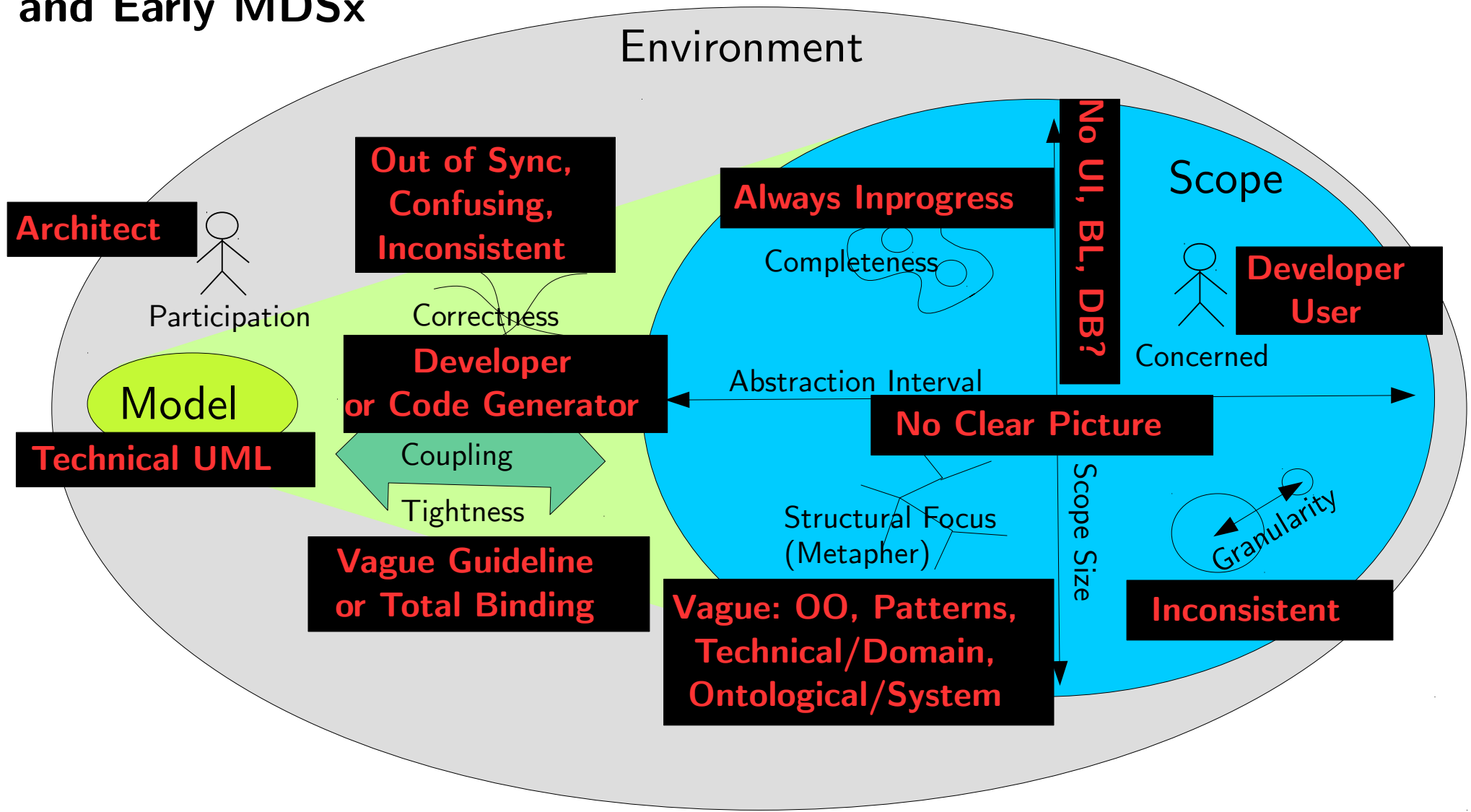
cost saver

IT Systems:  
Precision & Clarity

# Not Widely Used - Why?

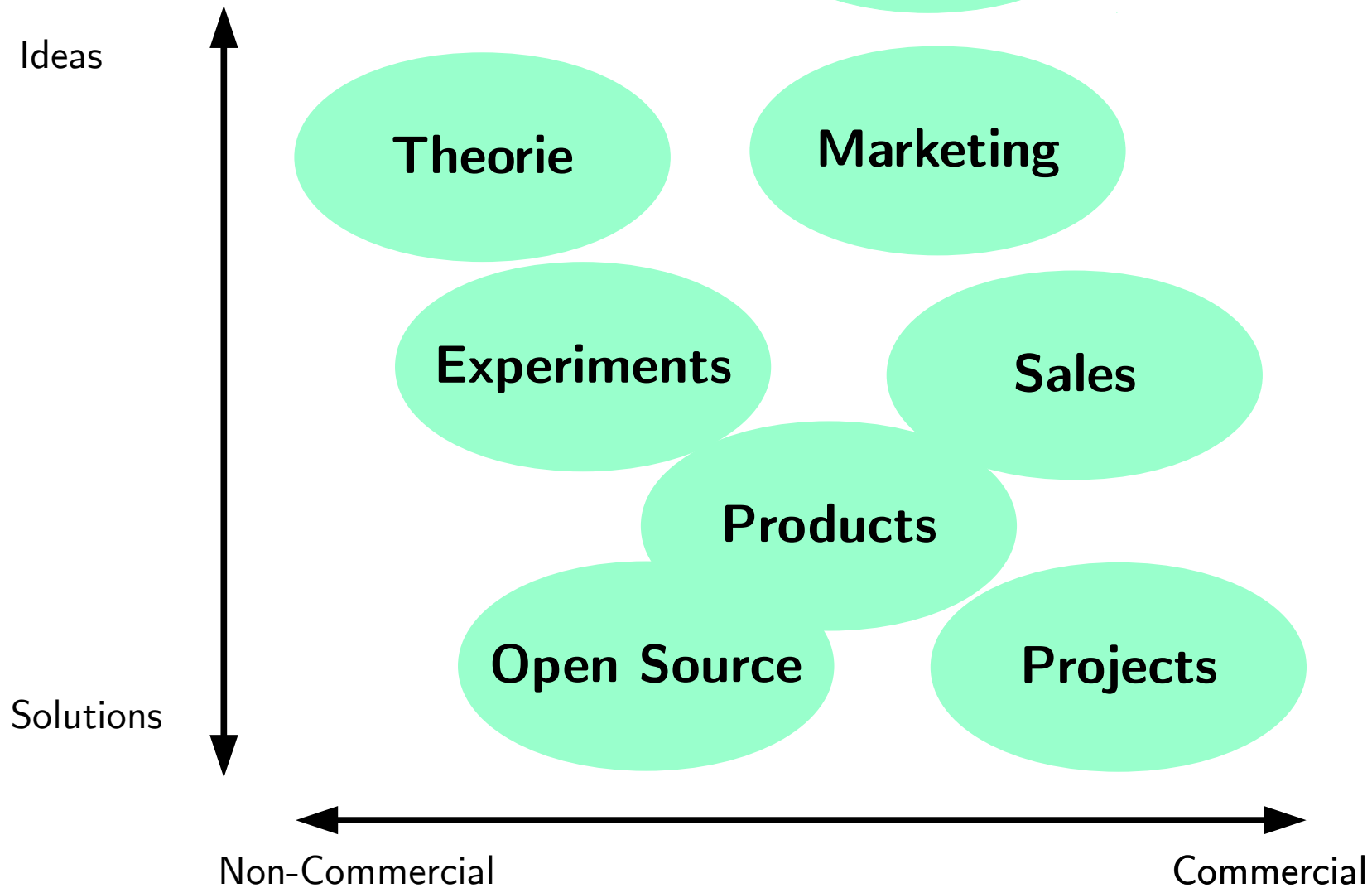


# Tools Failed: Historical Waterfall Software Development and Early MDSx

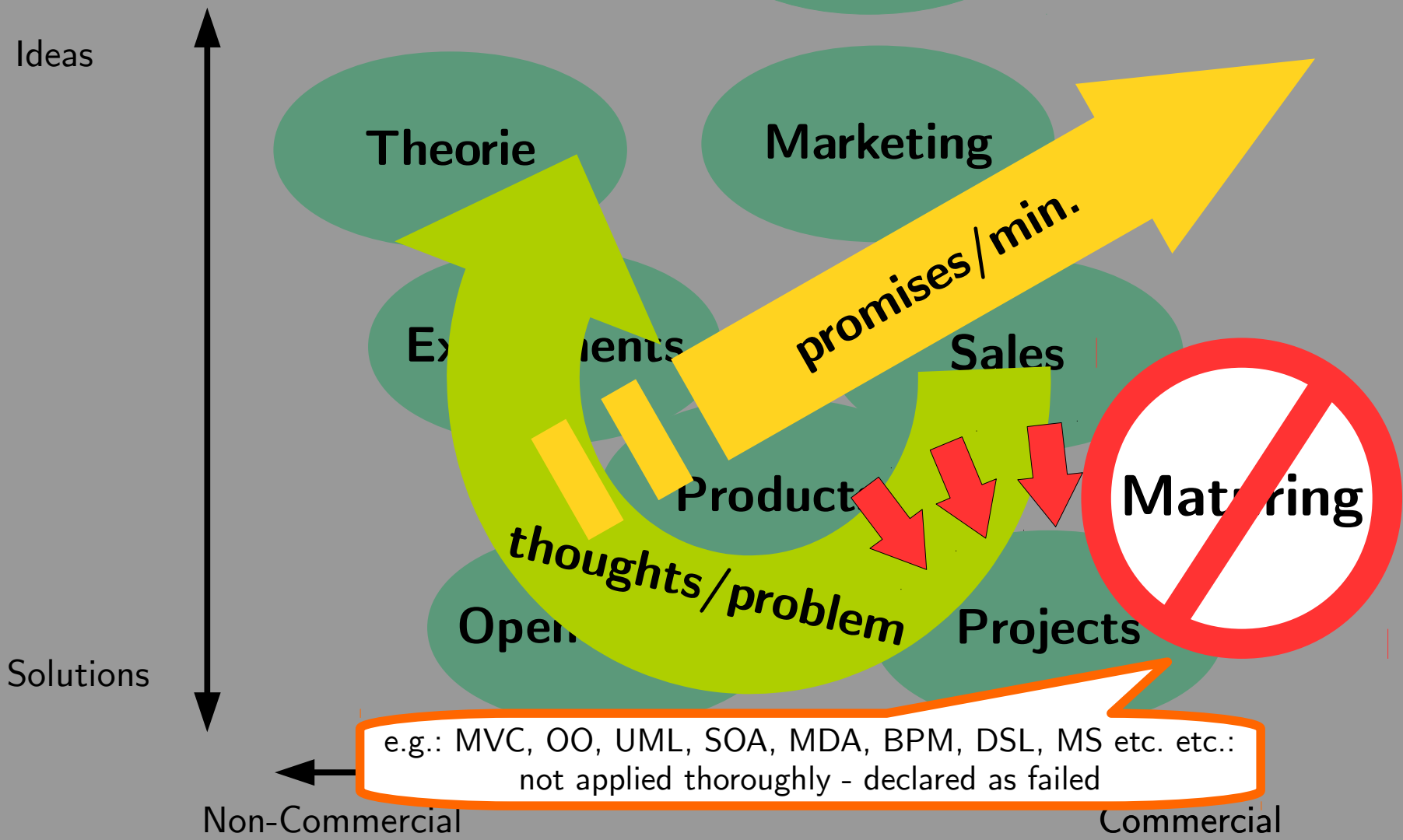




# Paradigm Acceleration: IT Realms

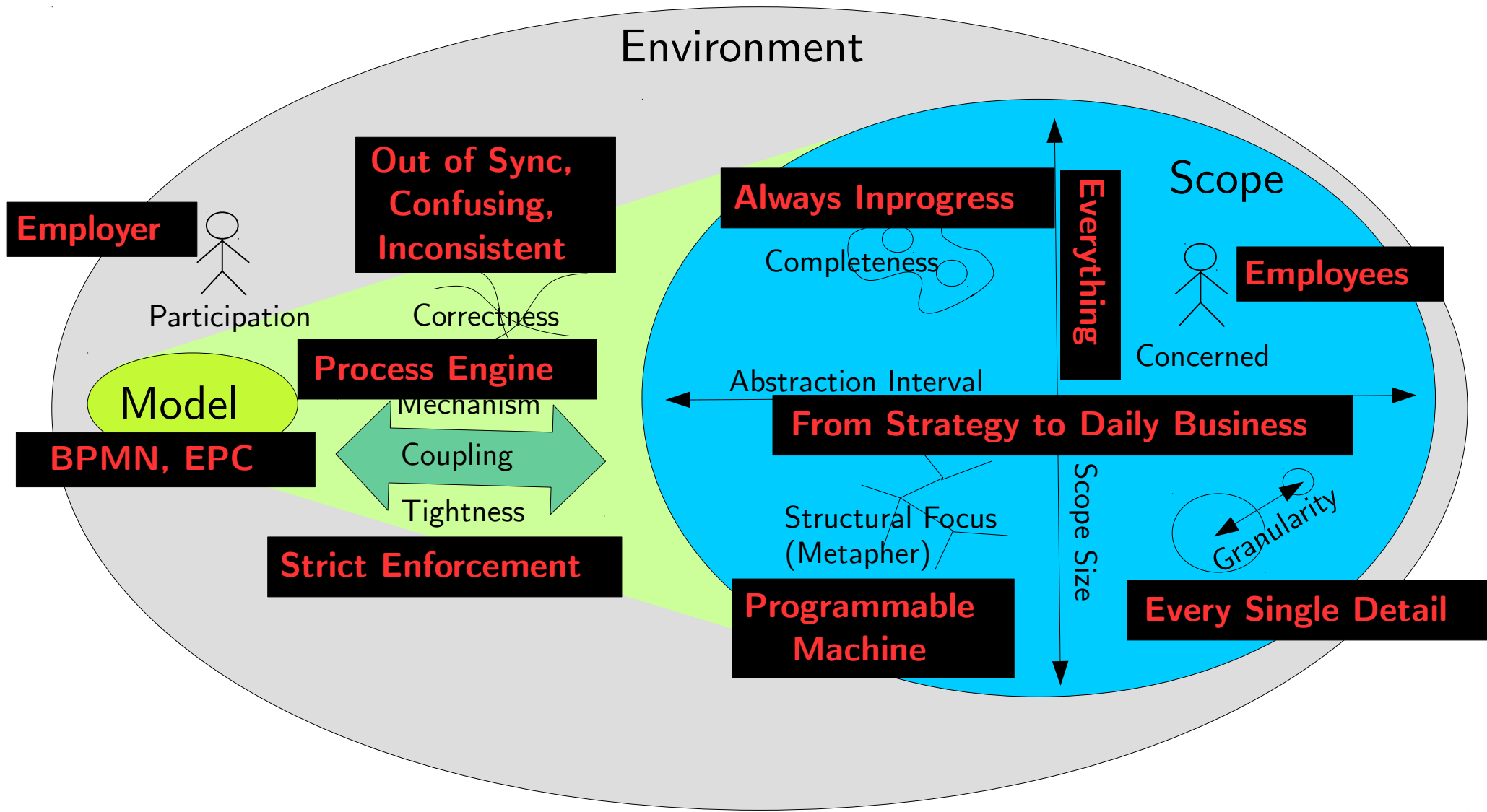


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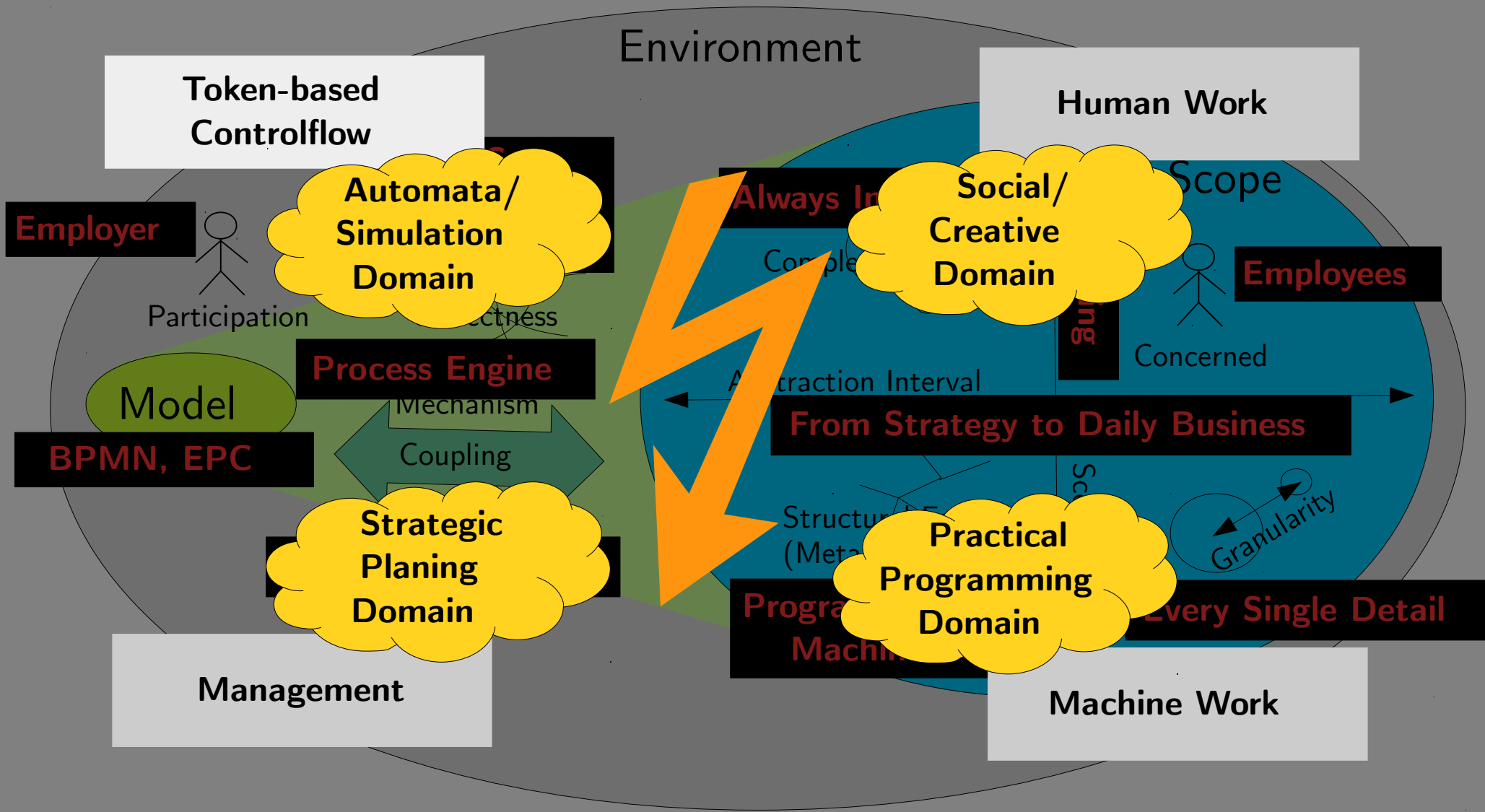




# Unintentional Misuse: Controlflow Based Process



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# Intentional Misuse And Rejection: Stakeholder Interests

- **Share holder:** good services for a better world  
maximise profit
- **Employee:** create good solutions, work in flow mode  
play around, avoid work, career
- **Software vendor:** help organisations to become more efficient and agile  
maximise sells and profit, make customer dependent
- **Consulting company:** provide wisdom and solve problems  
sell as much work hours as possible
- **Developer:** develop quality solutions with minimal effort  
solve nice, challenging, complex problems

**Instability, Complexity, Problems, Intransparency - Welcome?**

# Intentional Misuse And Rejection: Stakeholder Interests

- **Share holder:** good services for a better world  
maximise profit
- **Employee:** create good solutions, work in flow mode  
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- **Software** **Intentional Misuse** solutions to become **Models Not Welcome** e  
ells and profit, m t
- **Consulting company:** provide wisdom and solve problems  
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**Instability, Complexity, Problems, Intransparency - Welcome?**

# Questionnaire: Agility

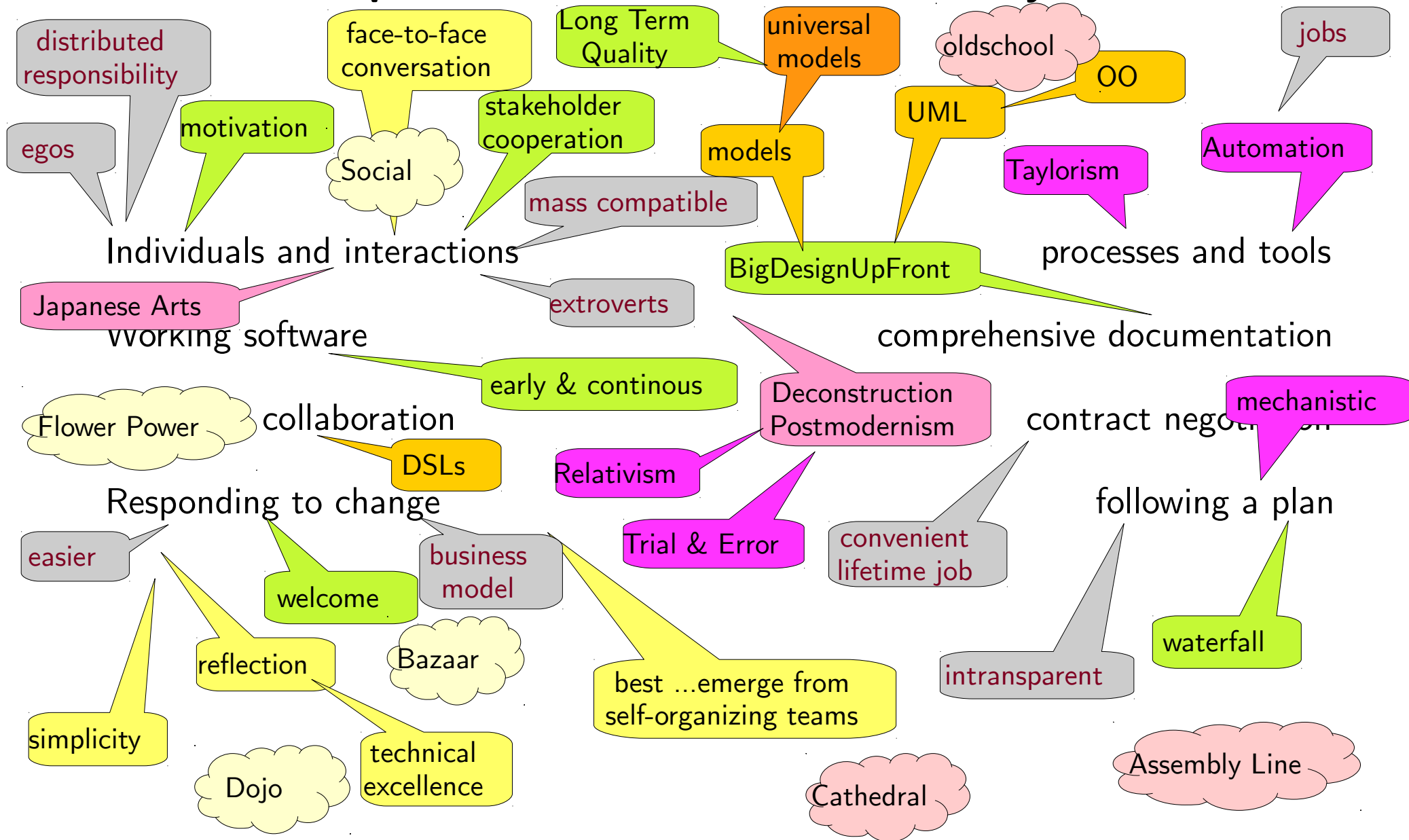
only  
effective within  
this order

Key Aspect	Explanation	Outcome
A <b>healthy</b> team	cooperative, good mindset, supportive, motivated, reflecting	performance factor 10
Information <b>gardening</b> excellence	some bright people, capable of organising digital assets	performance factor 10
Good <b>tools</b>	high quality, oiled and sharpened, no fashionable crap, BT & IT	performance factor 10

$$10 * 10 * 10 = 1000$$

# Complexity I: Agility

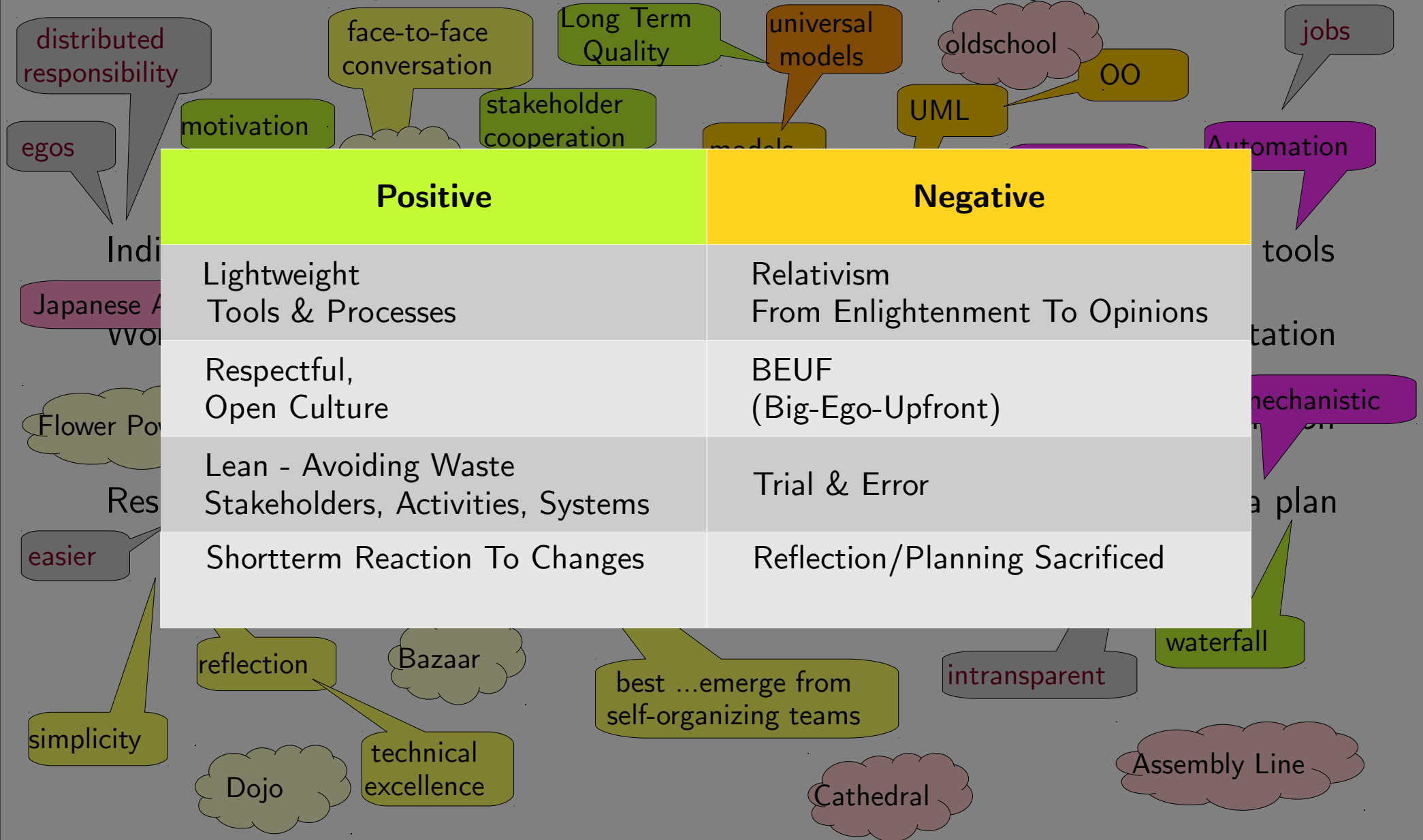
## Manifesto, Principles, Connotations, Behind & Beyond



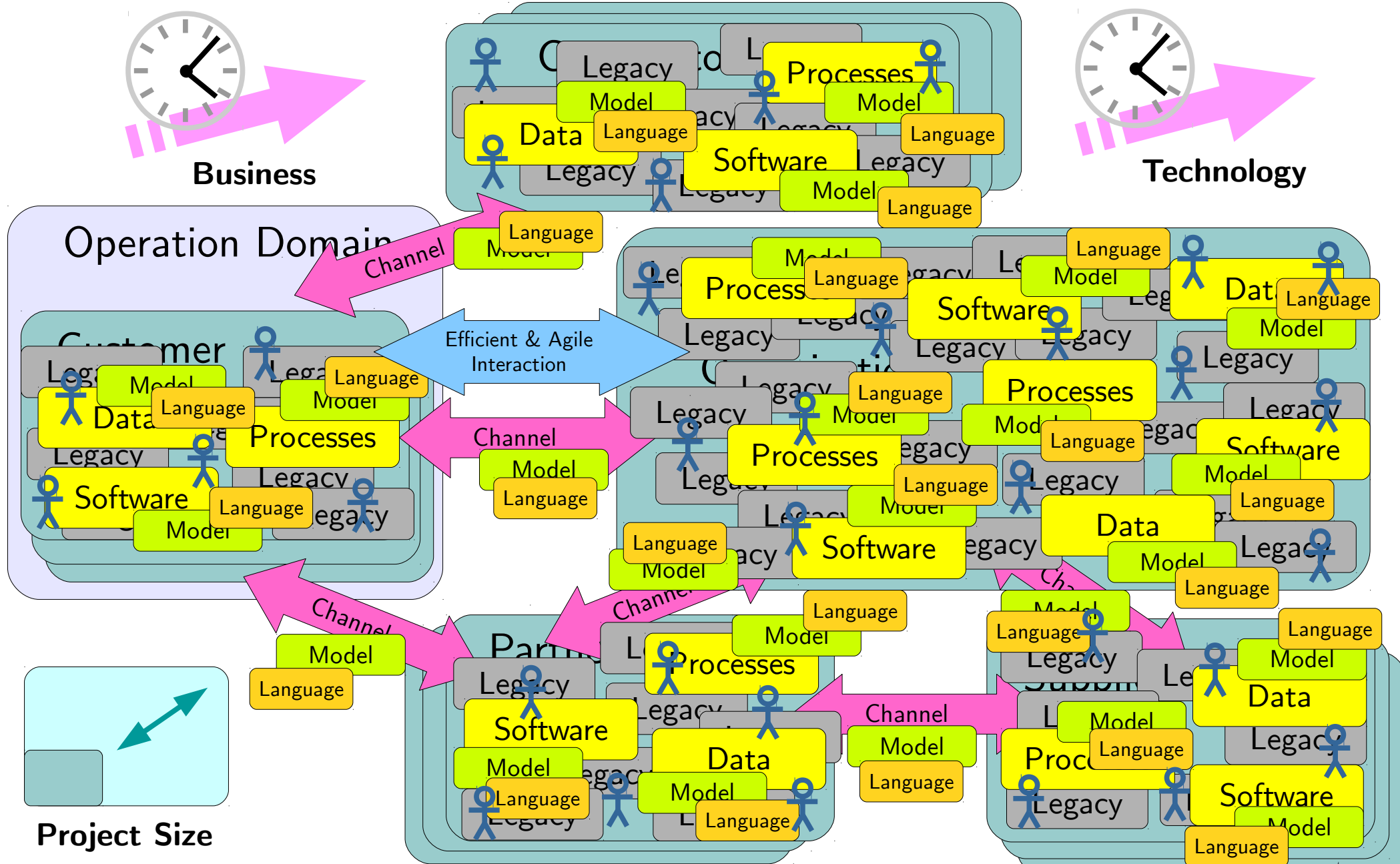
# Complexity I: Agility

## Manifesto, Principles, Connotations, Behind & Beyond

Positive	Negative
Lightweight Tools & Processes	Relativism From Enlightenment To Opinions
Respectful, Open Culture	BEUF (Big-Ego-Upfront)
Lean - Avoiding Waste Stakeholders, Activities, Systems	Trial & Error
Shortterm Reaction To Changes	Reflection/Planning Sacrificed



# Complexity: Miotope (Model Biotope)





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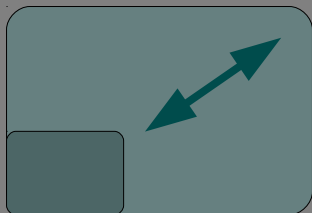
Realm	System Category
Algorithms	Mechanical
Data	Mechanical / Linguistic
IT-Systems	Mechanical / Biological
People	Social
Companies	Social / Biological
Work	Mechanical / Social



Business

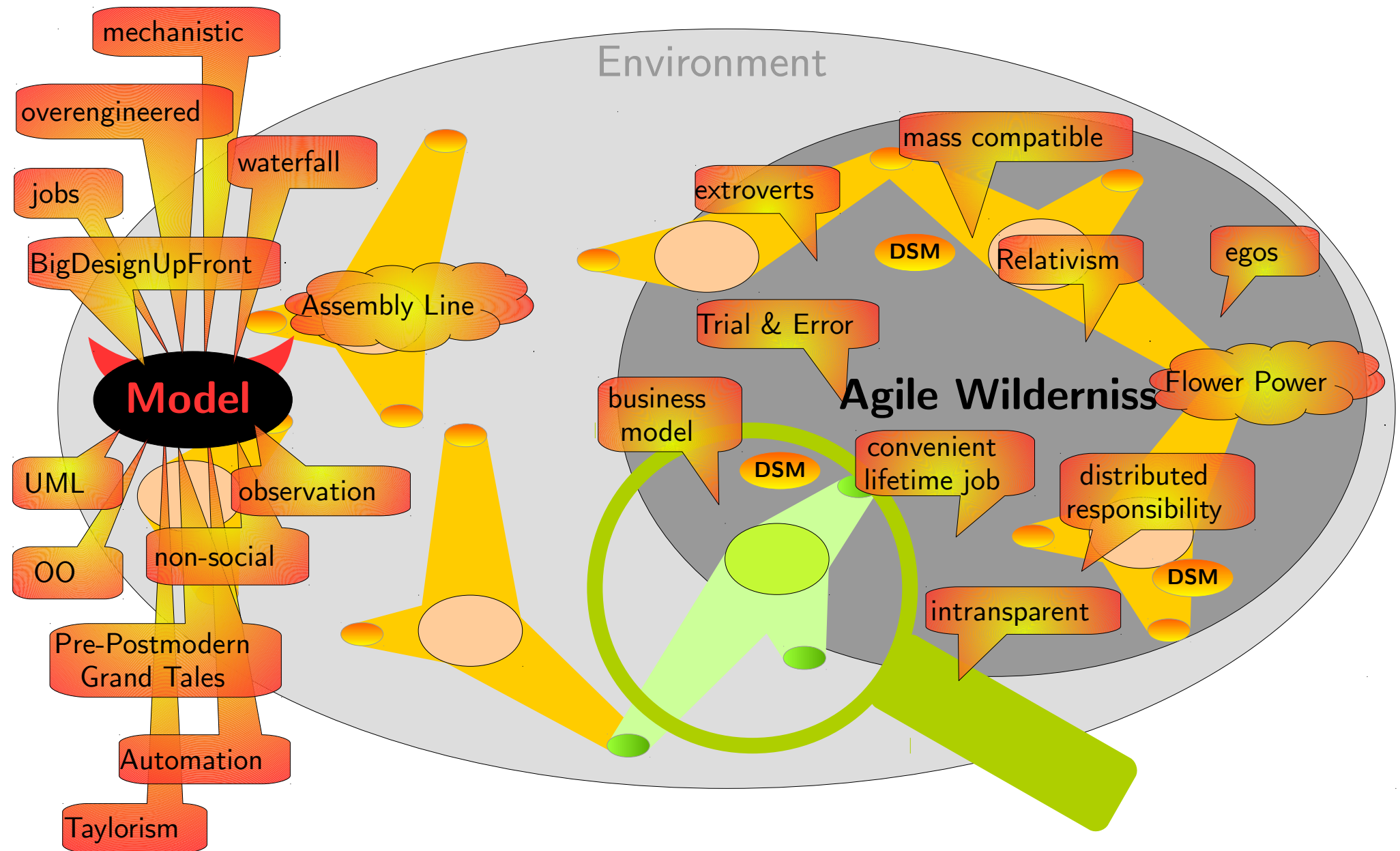


Technology



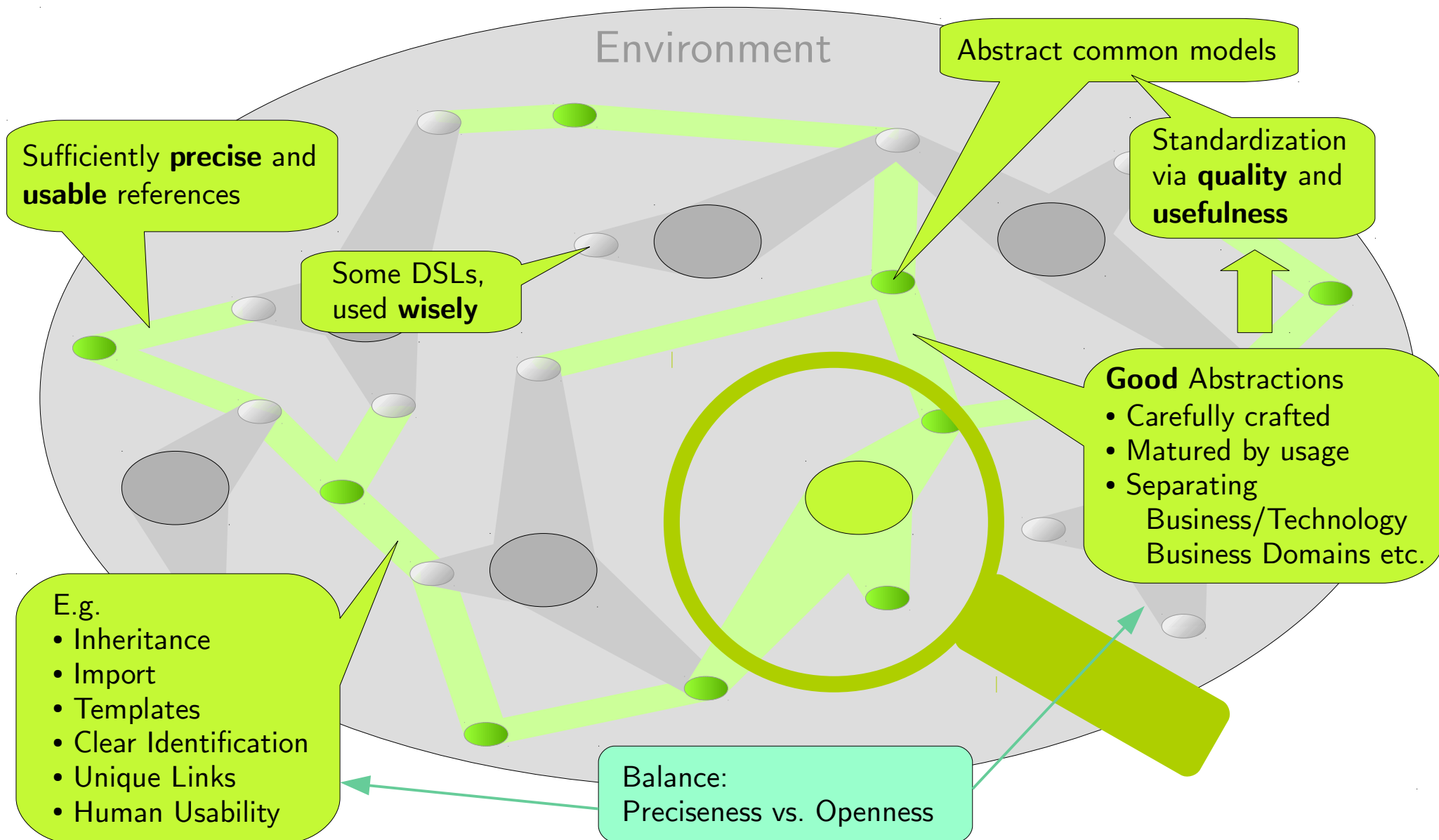
Project Size

# Mechanistic Models, Multi-Agenda Agility, Limited Scope of Control

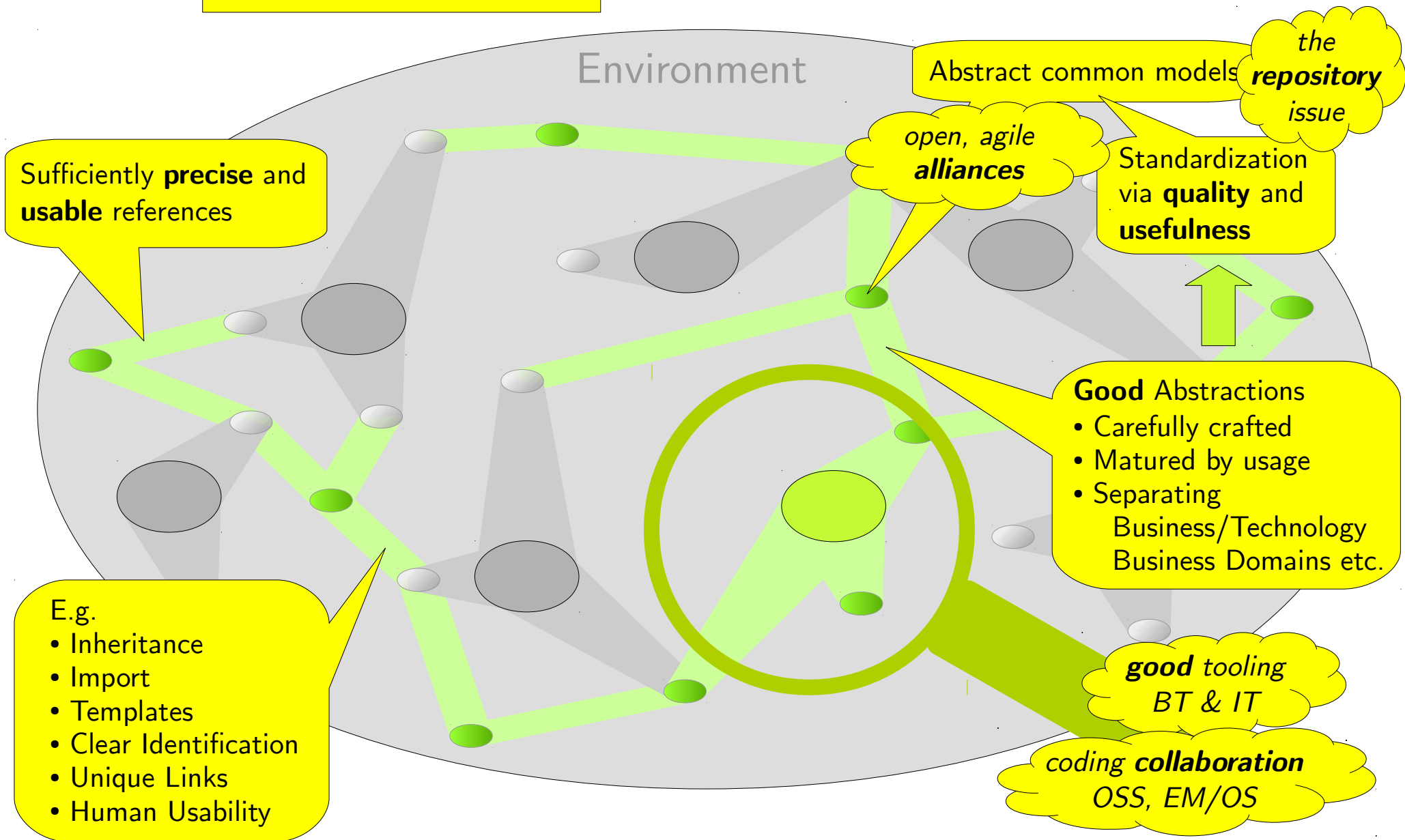


# Comprehensive Model: Common Language

Much more wasteful, this is what we are doing anyway!



# Interests: Common Language



**Questionnaire: Competitiveness**

*What is the role of models for representing an enterprise in a digital economy?*

Inevitable **necessity** to increase **abstraction level** of languages we use for IT & BT.

The term “Model” is debatable.