



Systemic Change

New Economics Lab

Prompts

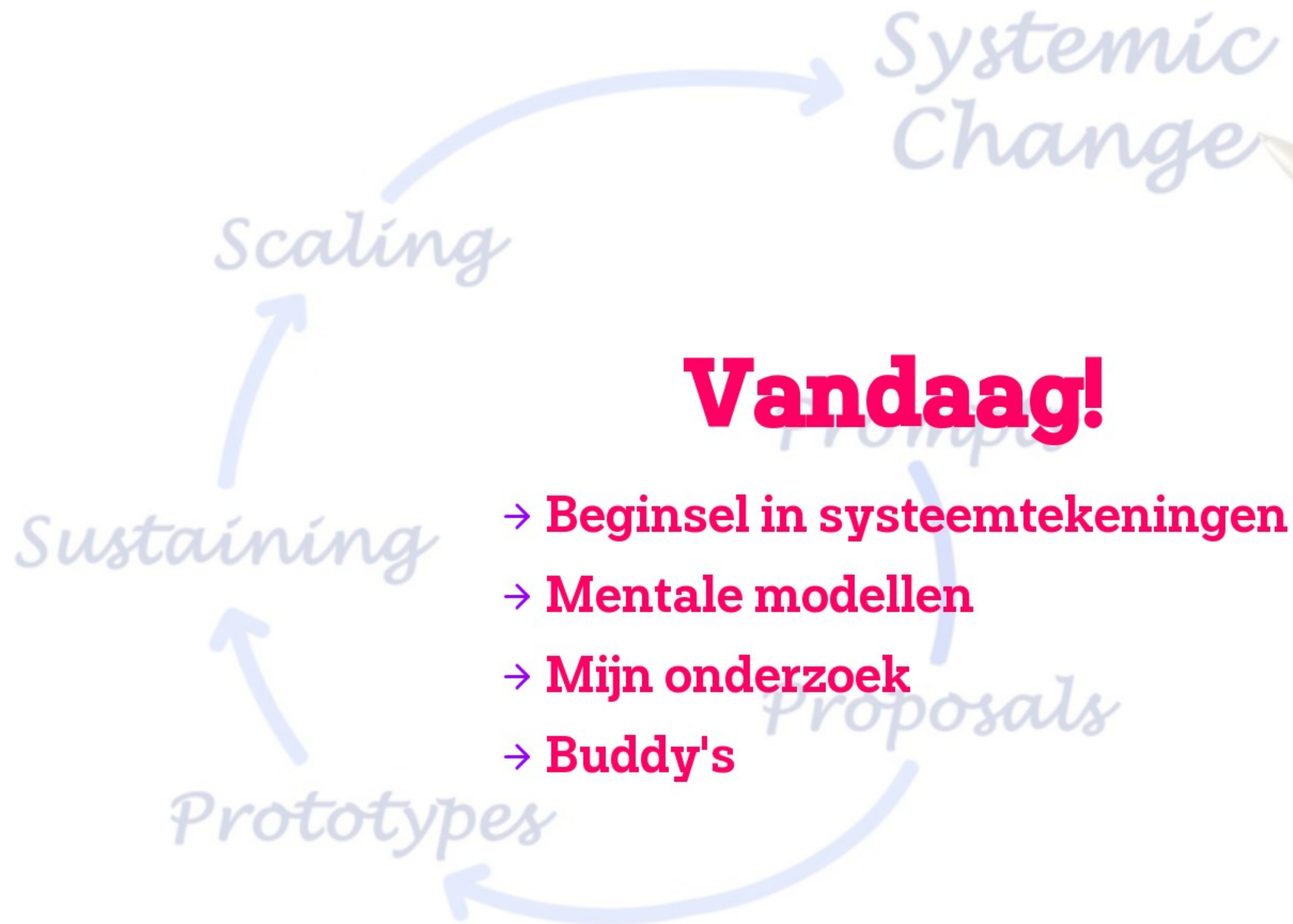
5

Proposals

Scaling

Prototypes



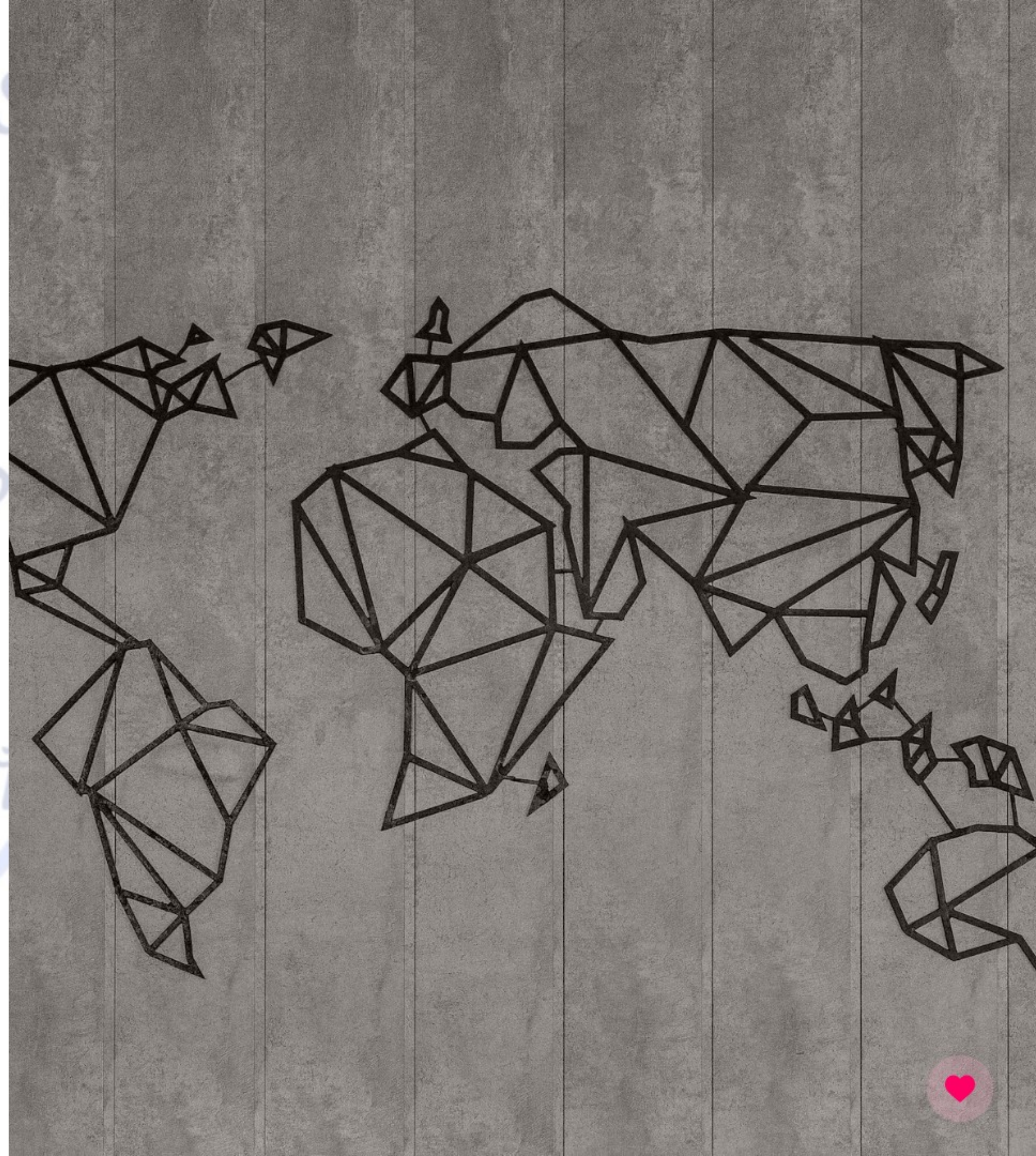
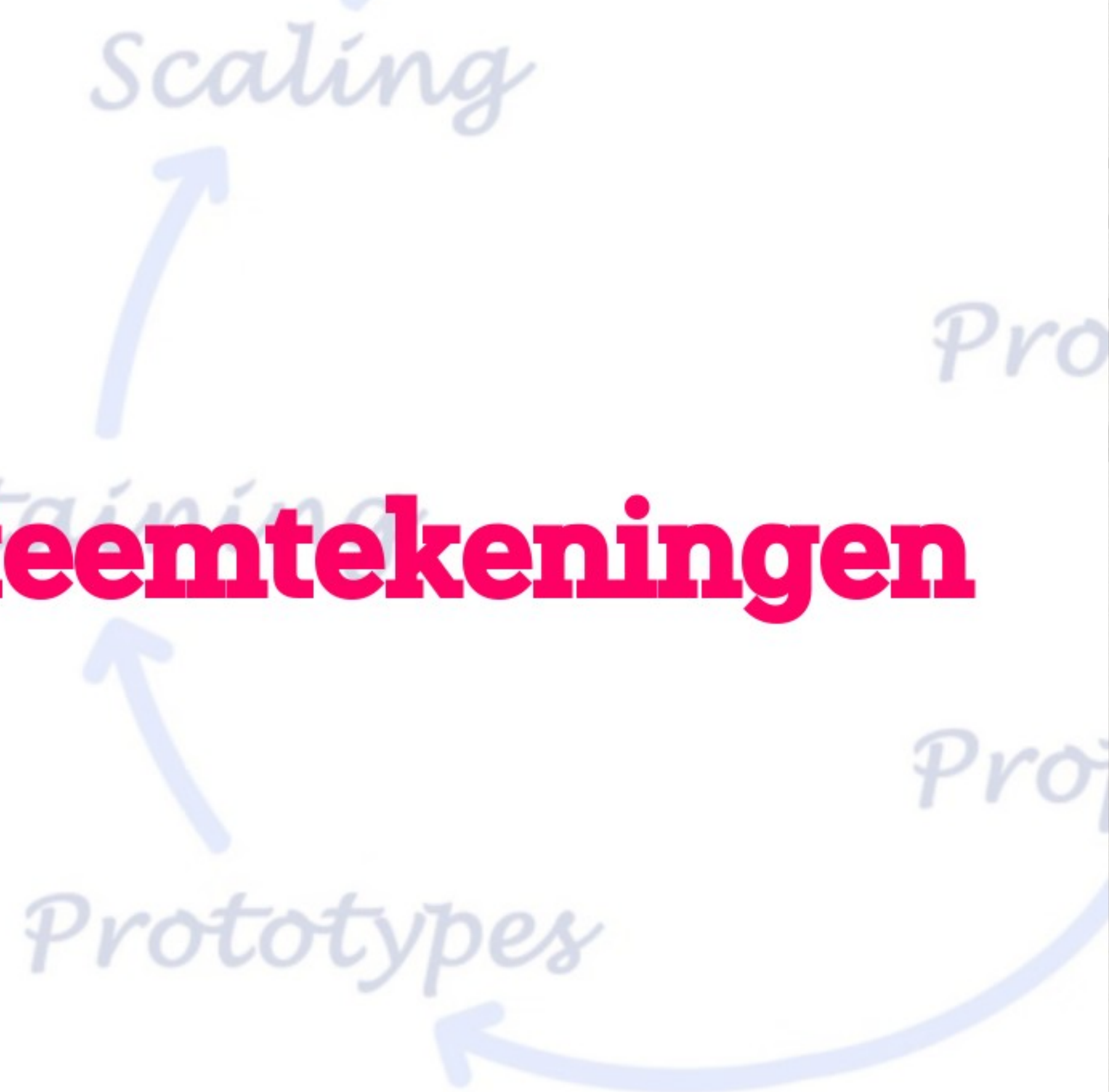


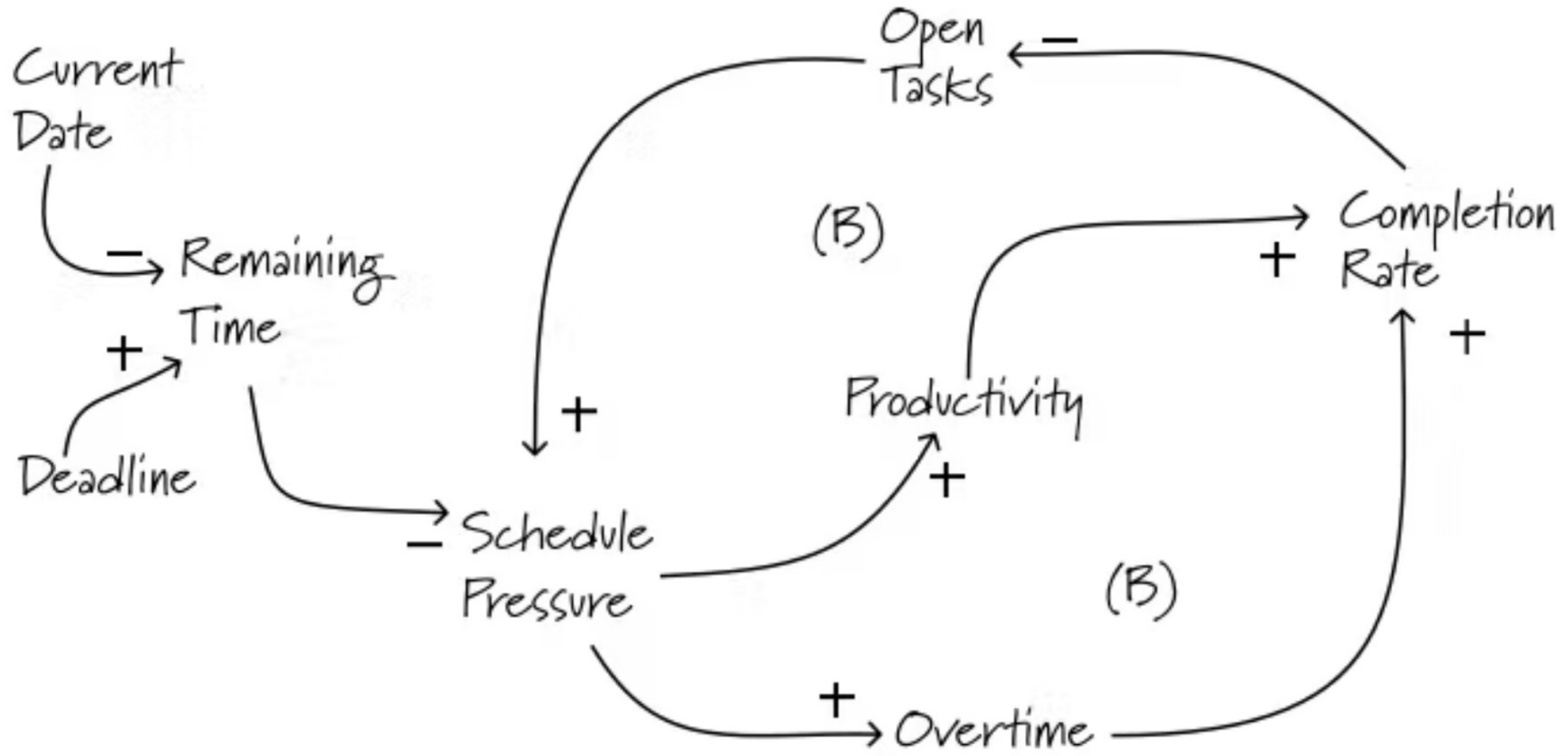
Vandaag!

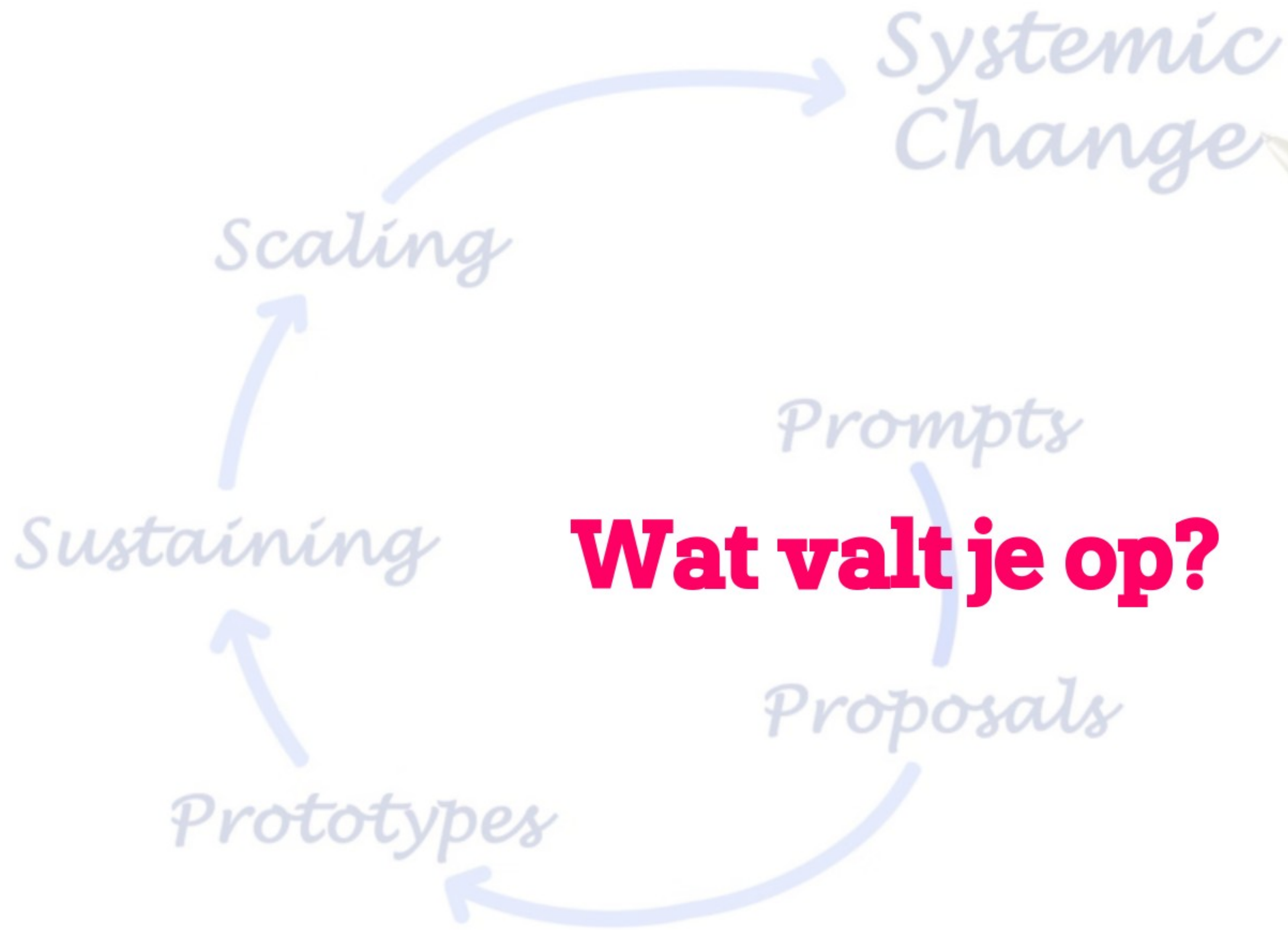
- **Beginnel in systeemtekeningen**
- **Mentale modellen**
- **Mijn onderzoek**
- **Buddy's**



Systemtekeningen



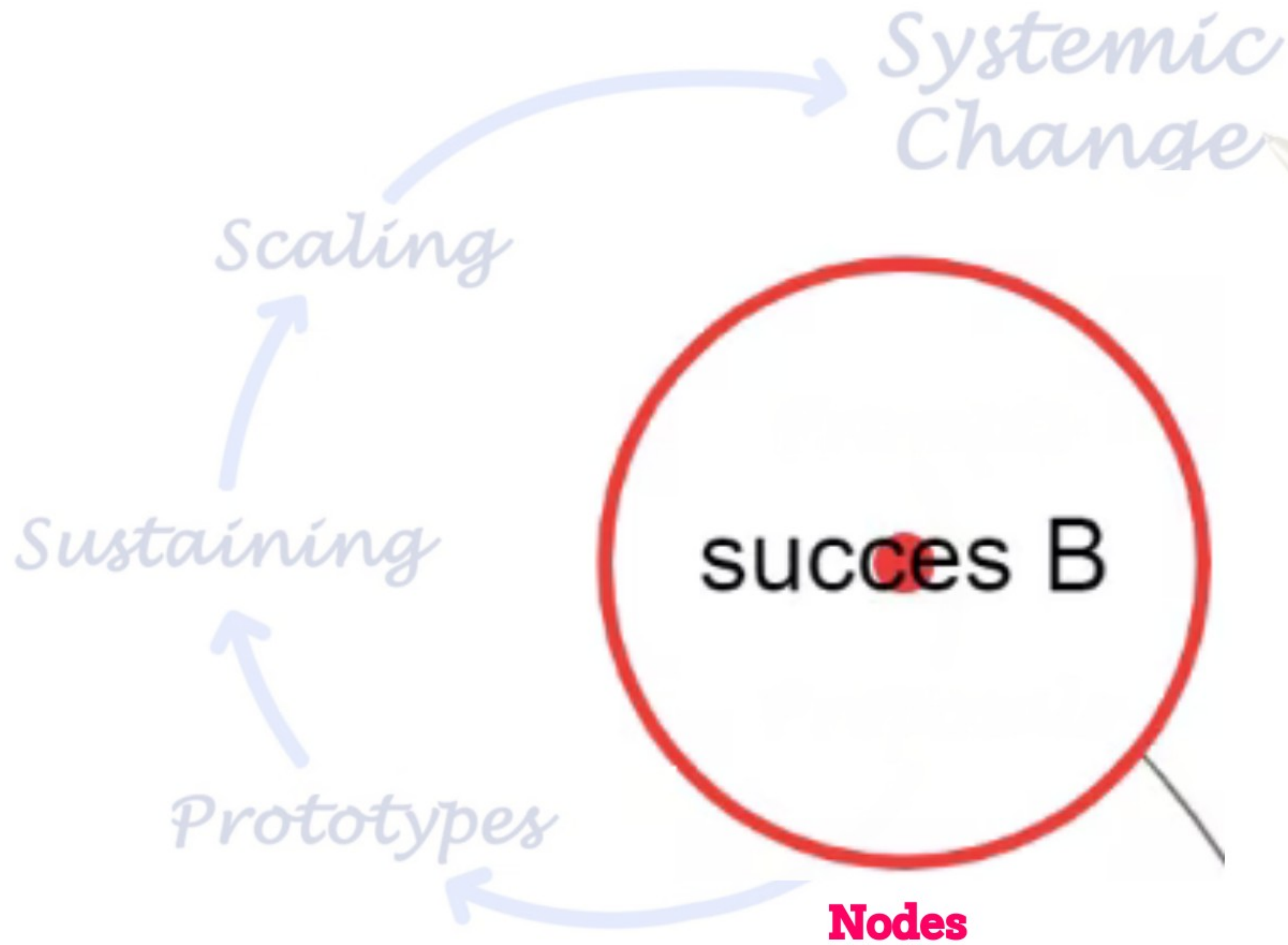


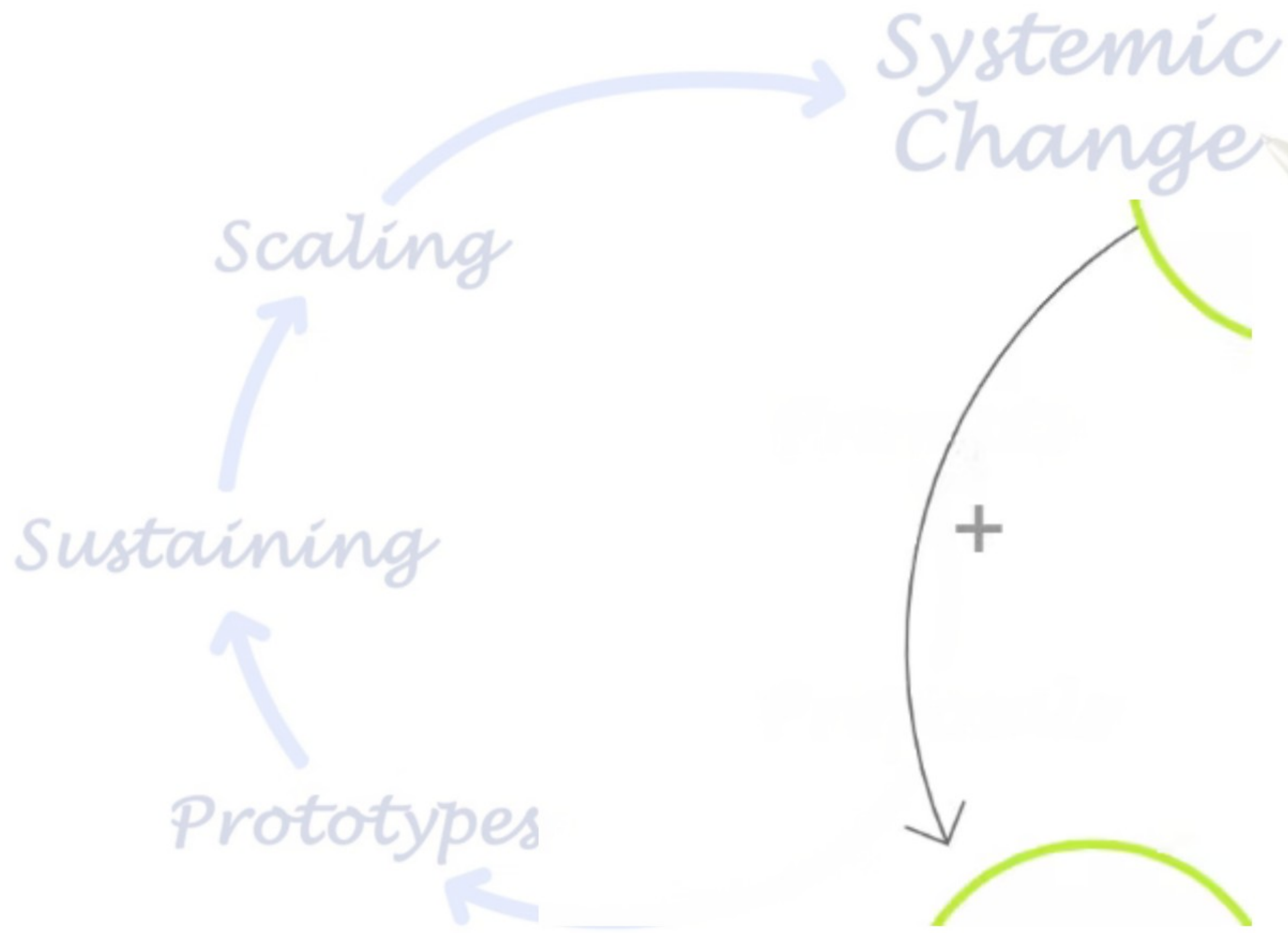




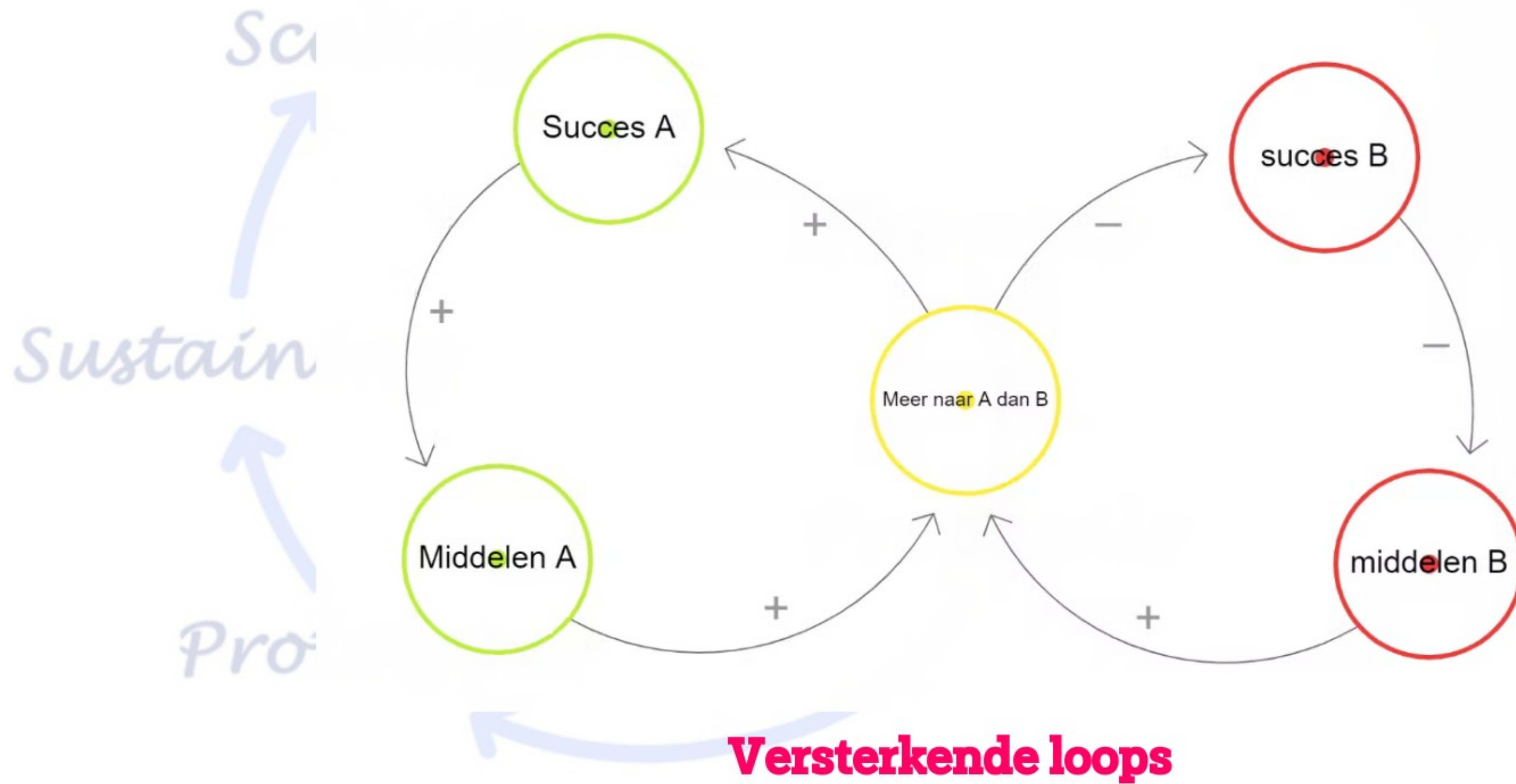
Nu gaan we kijken naar de notaties

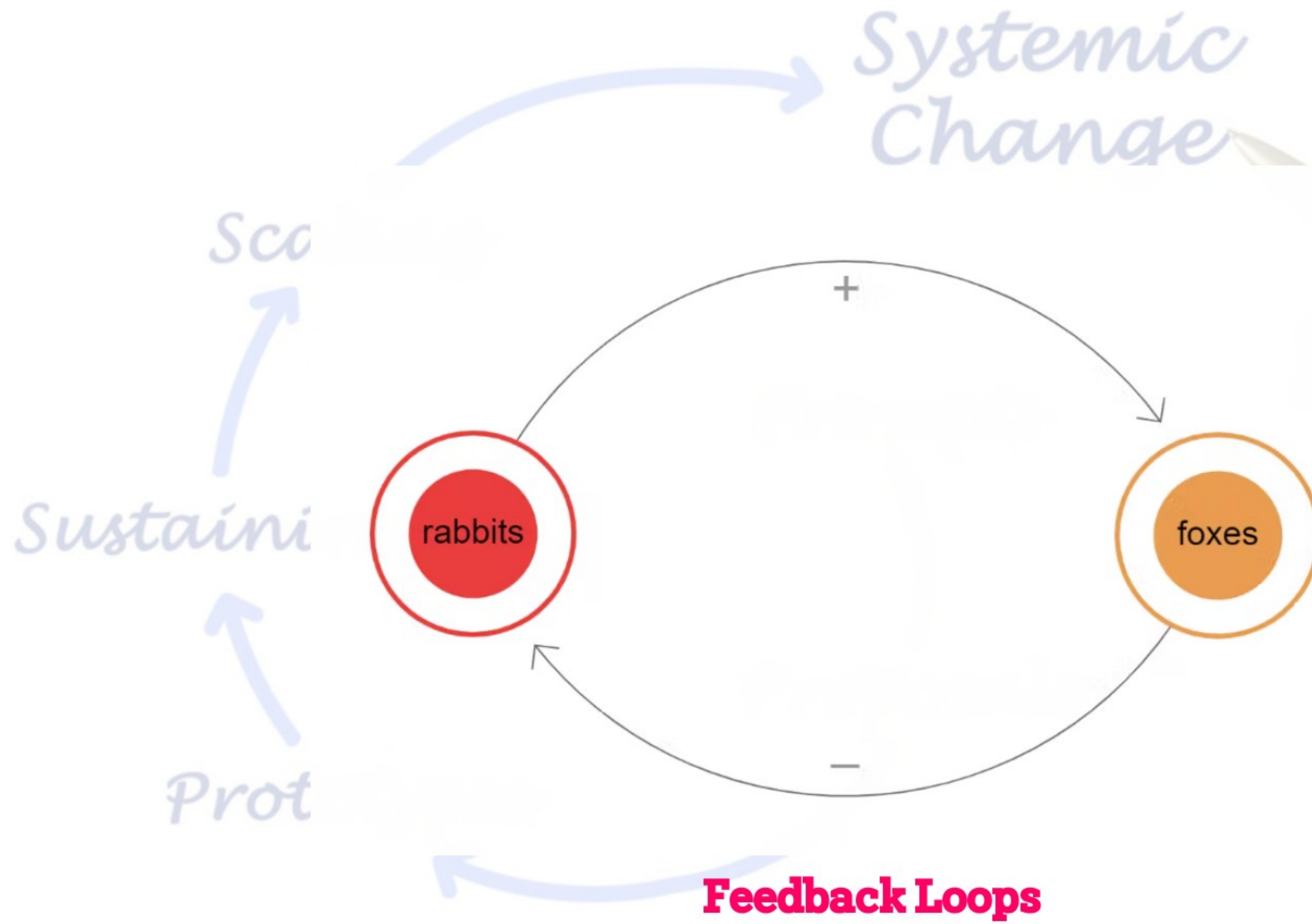










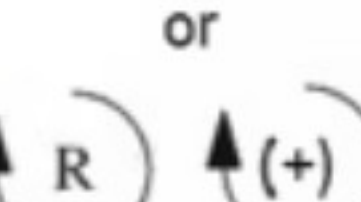
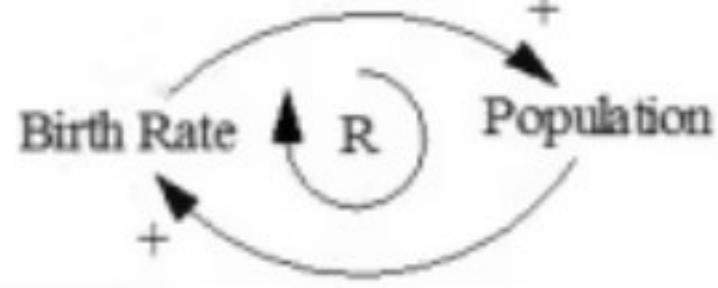
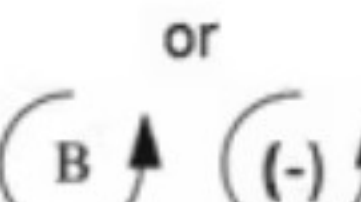
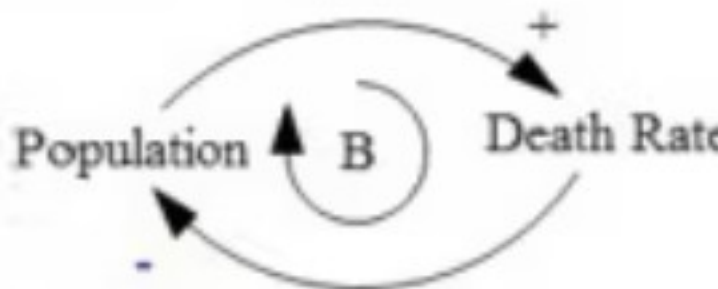
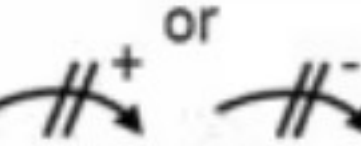
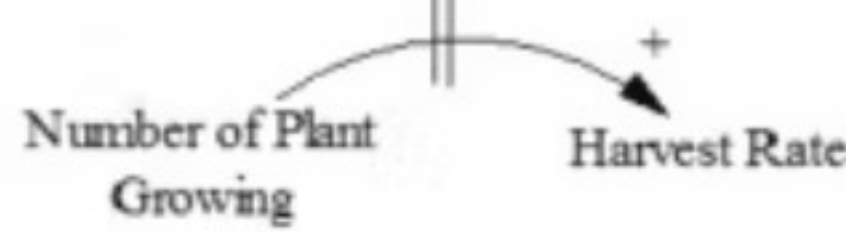


Systemic Change





Systemic Change

Notation	Description	Example
 Connector	change in A, causes change in B in the same direction. If A increases/decreases, B also increases/decreases	Temperature  Evaporation Cultivated land  Water demand
 Connector	change in A, causes change in B in the opposite direction. If A increases/decreases, B also increases/decreases	Infiltration  Run-off Groundwater table  Pumping cost table
or 	Reinforcing or positive feedback loop, if it contains an even number of negative causal links	
or 	Balancing or negative feedback loop, if it contains an odd number of negative causal links	
or 	Delay, the situation when the systems respond slowly in certain condition	

Scali

Sustaining

Protot

Uit Purwanto et al, 2019



**Oefening: teken een
systeemtekening
gebaseerd op het
volgende verhaal!**



*I love the **time I spend volunteering** because it is important for me to **deliver benefits to my community**. When I give back, it causes me to **feel altruistic** which motivates me even more to **volunteer**.*

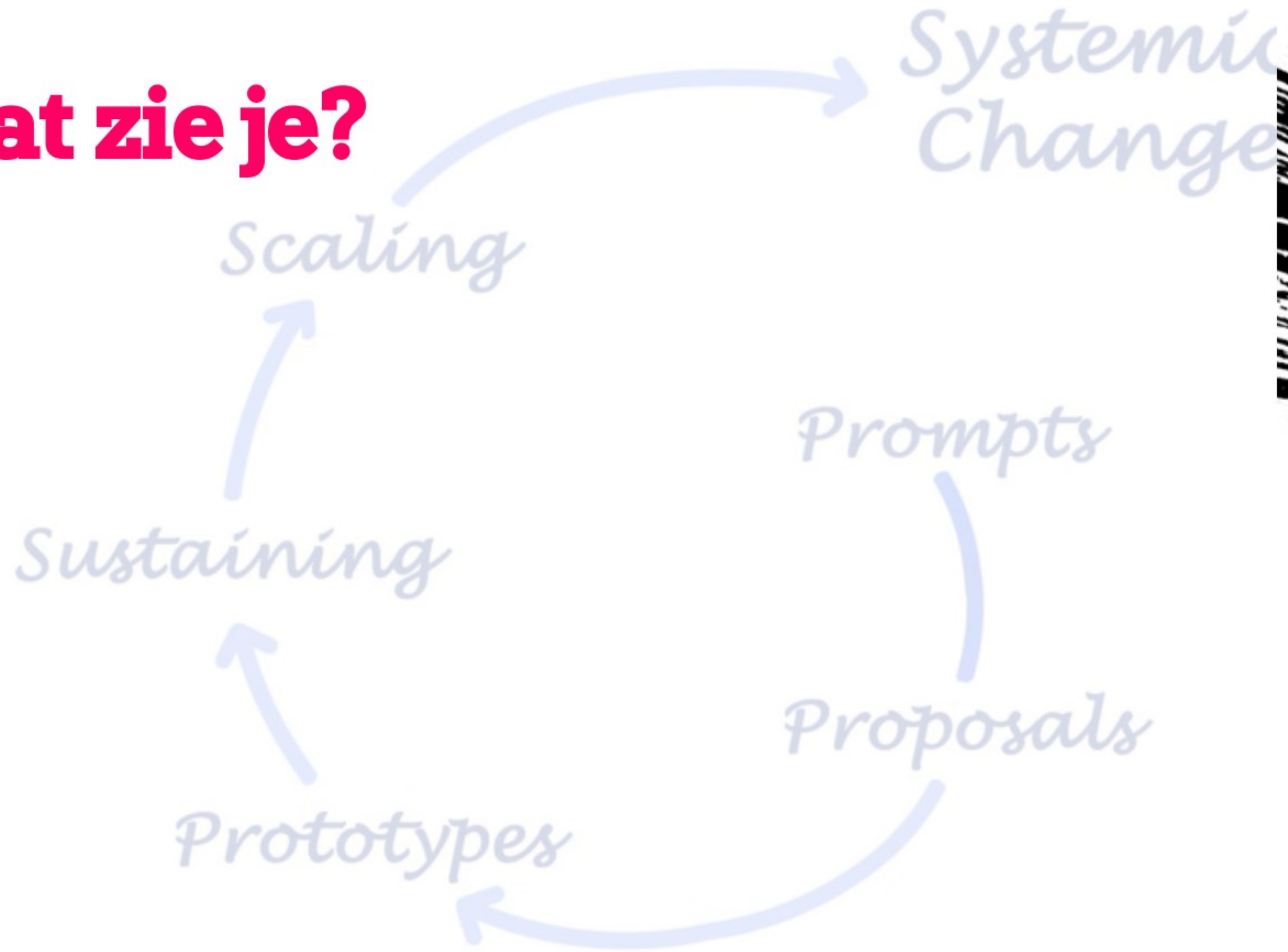


*Sometimes my **feelings of altruism** from the **time I spend volunteering** cause me to work longer volunteer hours, which takes away from the **attention I pay to my job**. That lack of attention causes the **quality of my work** to suffer. When this quality diminishes, **my co-workers complain** about how much time I spend on my volunteer efforts.*

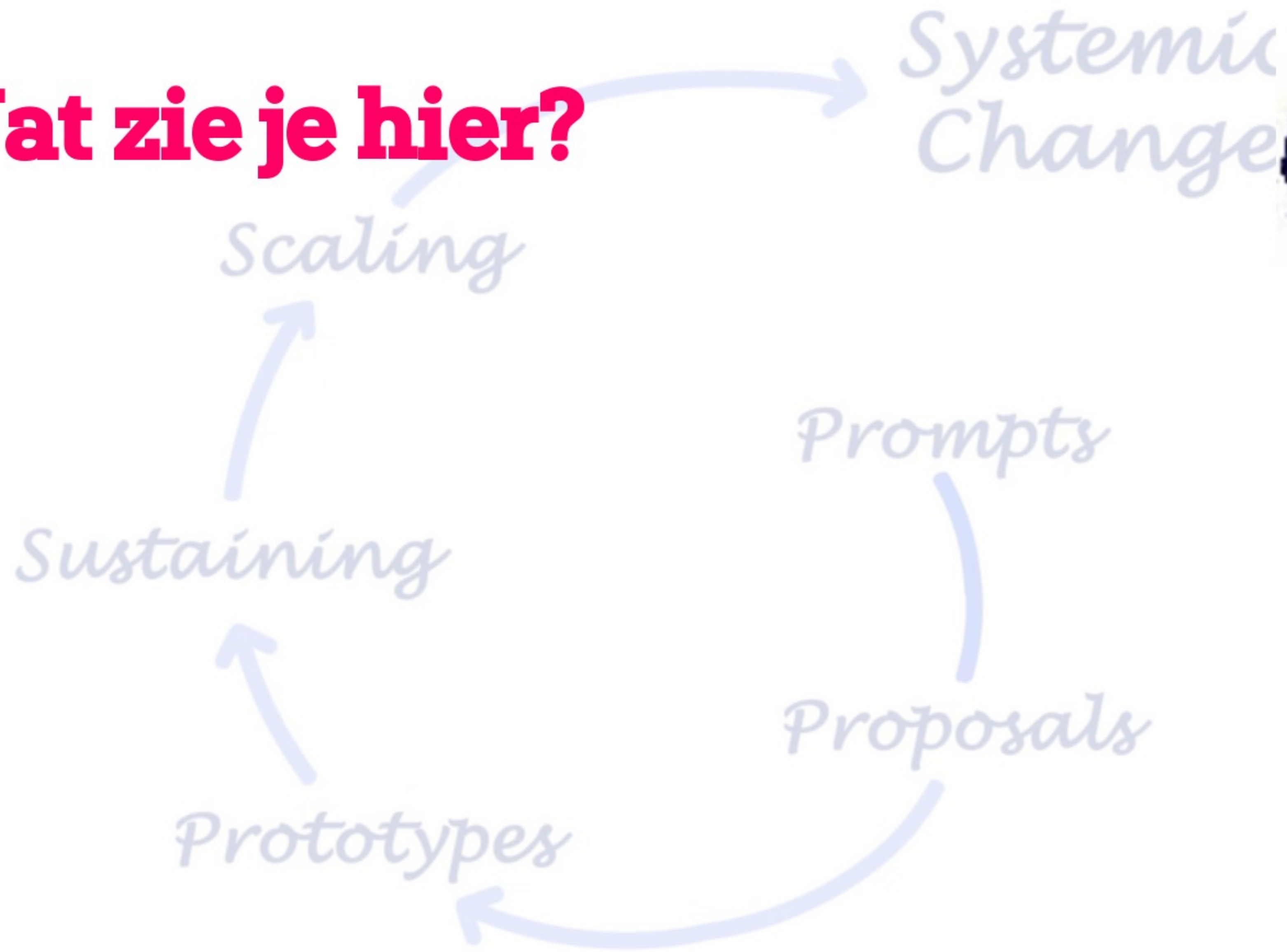
Hoe zou het komen dat deze vrouw / man zo reageert zoals ze doet?



wat zie je?



Wat zie je hier?



Wat zie je hier?

*Systemic
Change*

Scaling

Prompts

Sustaining

Proposals

Prototypes

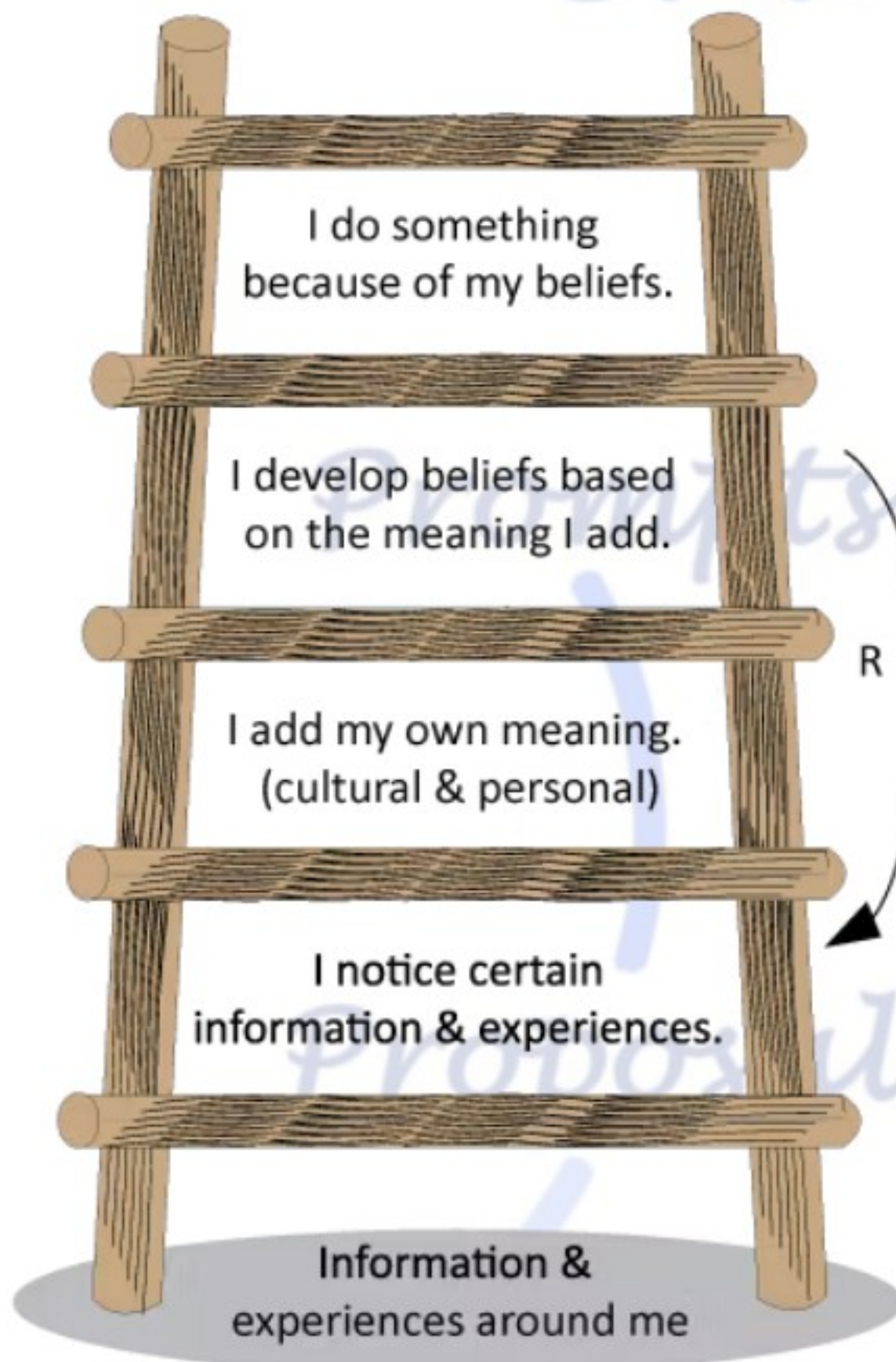


Systemic Change

Scaling

Sustaining

Prototypes



My beliefs affect what I choose to notice in the future.

R

Ladder of inference

