

## Founder of the model:

STAFFORD BEER  
- British cybernetic -  
\* 25.9.1926 + 23.8.2002

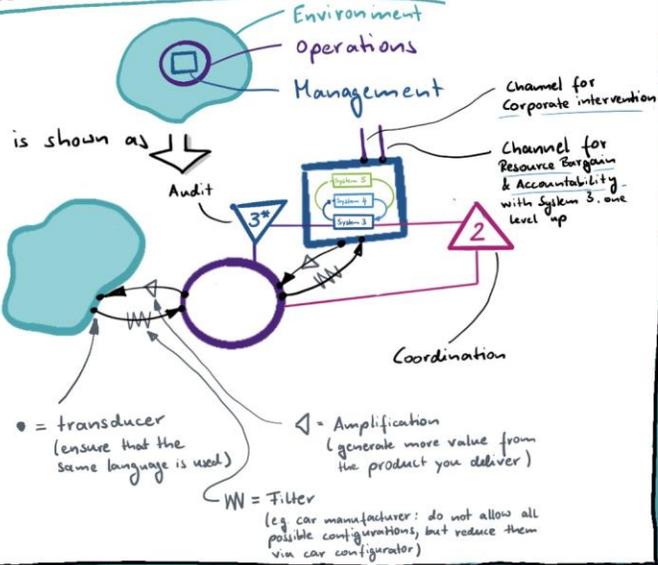
## THE PURPOSE OF A SYSTEM ...

... is what it does. (POSIWID)  
and **NOT** what it constantly fails to do.  
And what a system does, is defined by system 1.

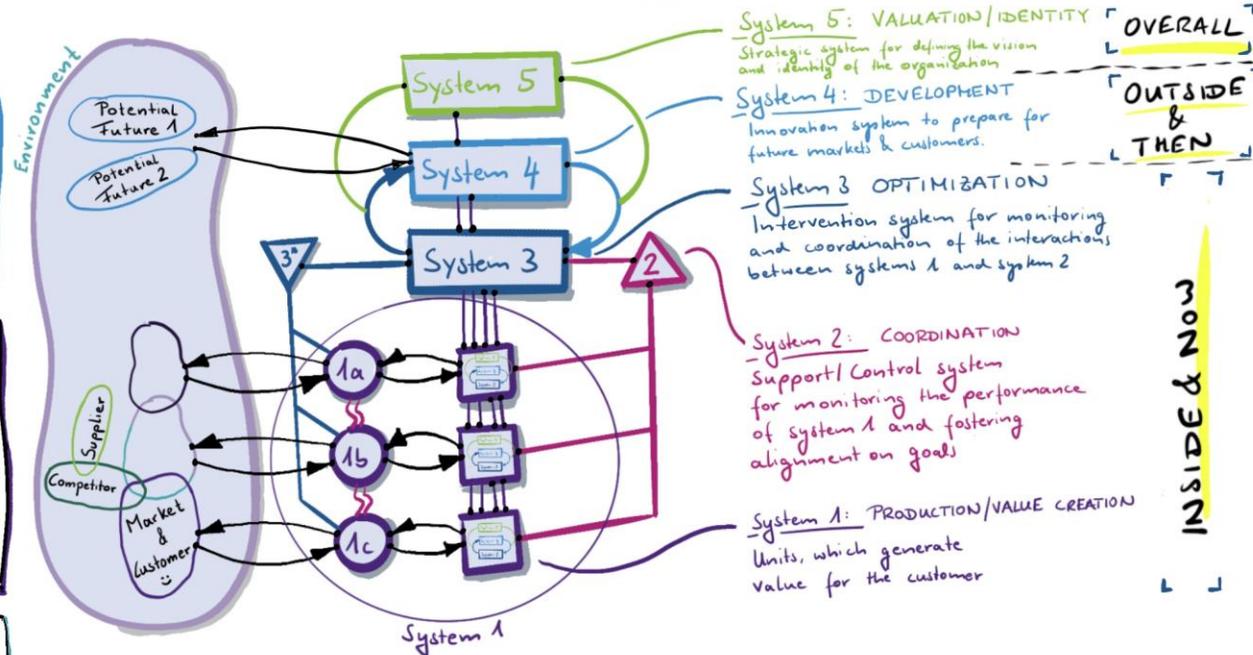
## CYBERNETICS?

= the science of control & communication in the animal & the machine (NOBERT WIENER)  
= based on the greek word "kybernetes", meaning steersman or governor  
"Should one name one central concept, a first principle of cybernetics, it would be CIRCULARITY (HEINZ VON FORSTER)"

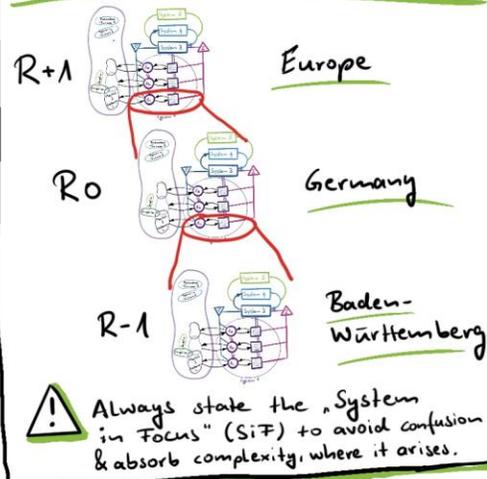
## THE BASIC DESIGN OF THE MODEL



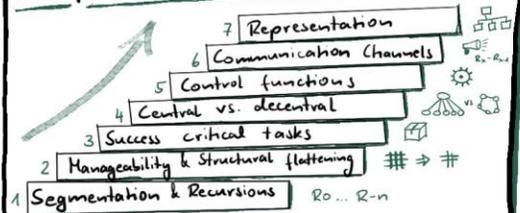
# THE VIABLE SYSTEM MODEL



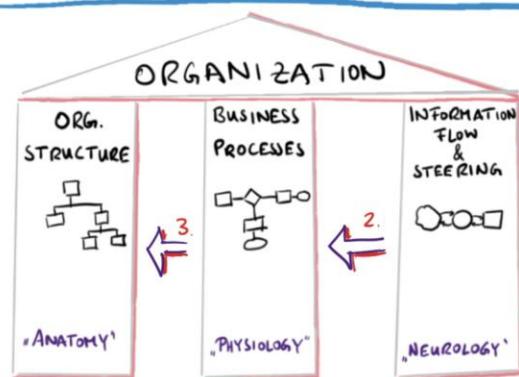
## RECURSION LEVELS & SiF



## 7 Steps to create a viable organization



## THREE PILLARS OF AN ORGANIZATION



"It needs focus on all three pillars."

## SOME EXAMPLES

	Human Body	National german socces team	Scrum team	Company
System 5	Cortex brain values, goal setting	DFB (german football association)	Definition of DoR, DoD Product vision Scrum values	Mission/Vision Leadership principles Guardrails for strategy & management
System 4	Inter brain Defend against external threats & maintain health	Team coach, Scouts, communication	Product owner Sprint planning / backlog	Strategy development Pre-Development Technology & Competitor benchmarking
System 3	Stem brain Decision based on sensory perception & previous experiences	Team Coach 3*: Team council	Product owner Sprint planning / backlog 3*: Retrospectives	Budget planning goal definition 3*: skip level meetings, surveys
System 2	Nervous system	Doctors, cook, bus driver, ...	Scrum master Daily	Planning systems Meetings Standards, Rules
System 1	Breathing, digestion, blood circulation, ...	Soccer team	Developer	Product area

Sources: [1] Stafford Beer, Brain of the firm (1972)  
[2] Martin Pliffler, The Neurology of Business (2022)  
[3] Mark Lambert, Die intelligente Organisation (2021)