

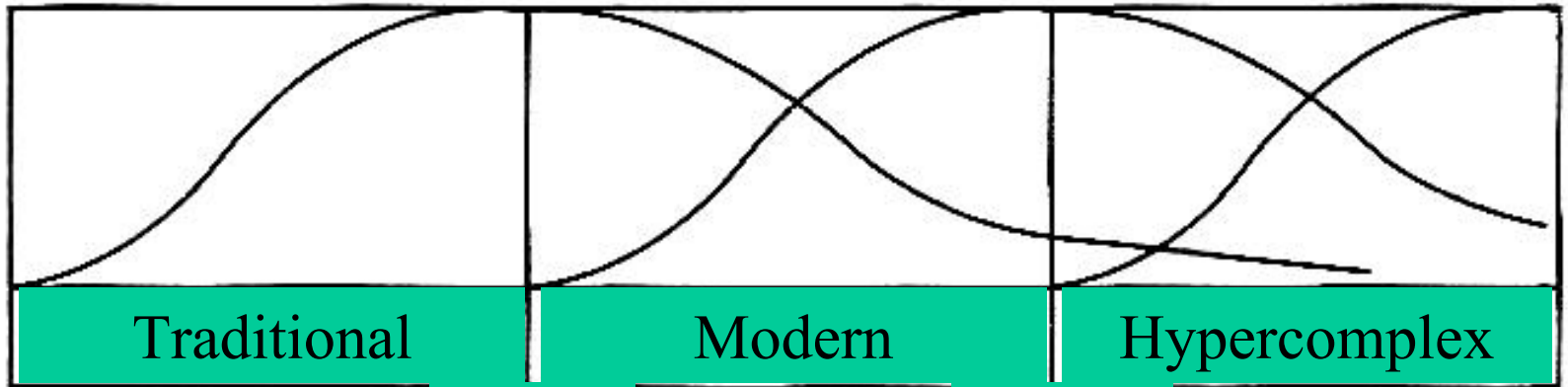
**The Learning Society -  
hypercomplexity, knowledge and  
learning**

Lars Qvortrup

Knowledgelab, USD

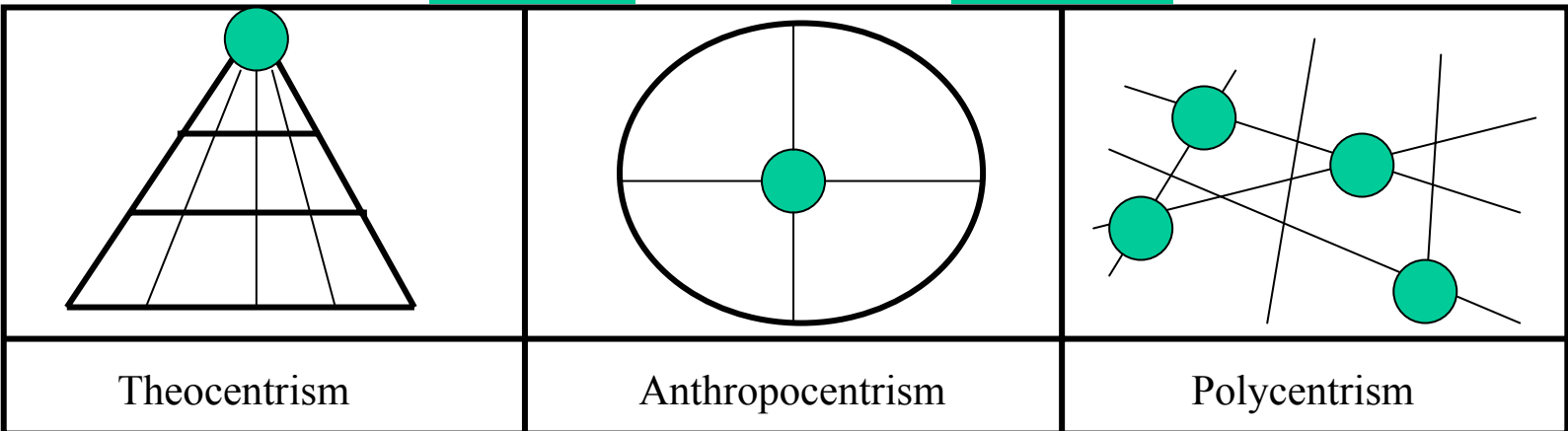
Aalborg May 14, 2003

# Social development



1400

1900



1. enlightenment

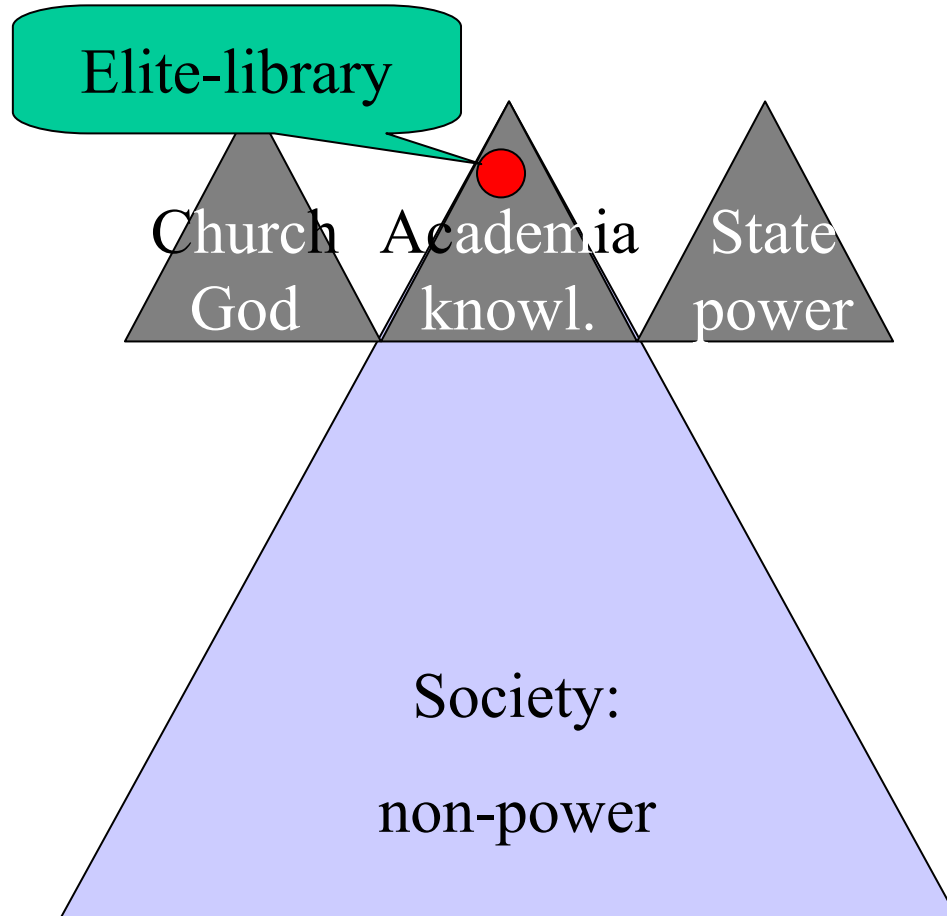
2. enlightenment

3. enlightenment

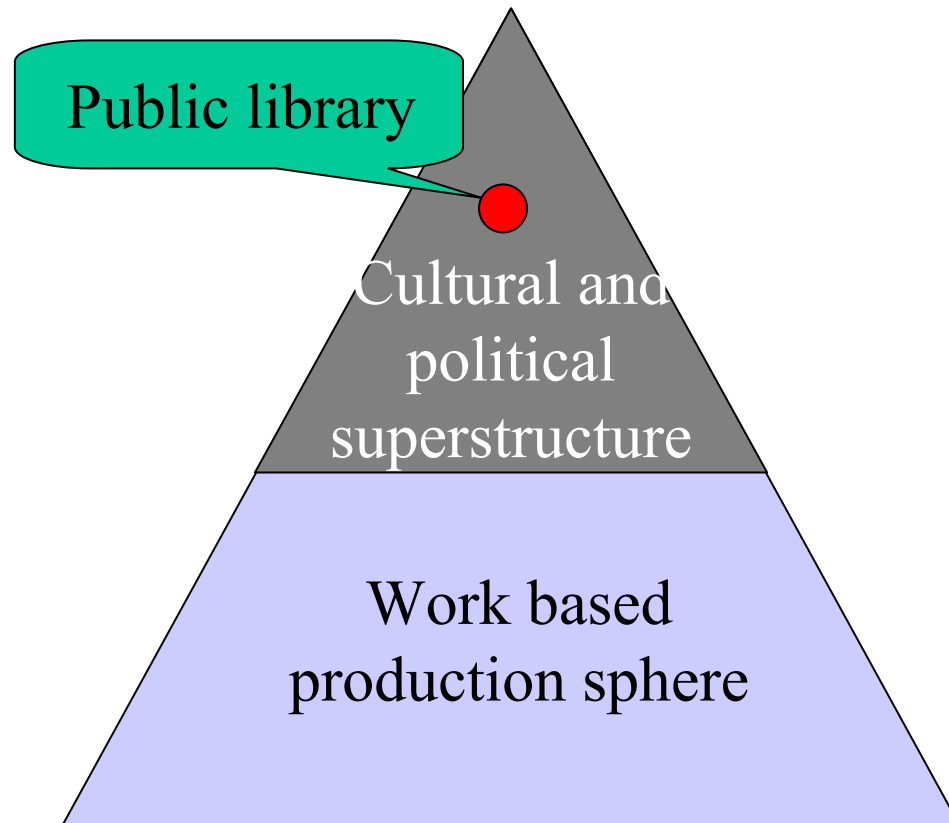
# Three phases of education

- The academic elite education phase
- The political education phase (rationalism or romanticism)
- The socio-economic education phase

# Traditional society



# Modern society



# Hypercomplex society

From: Knowledge as finite resource

To: □ Knowledge as autopoietic resource

Thus:

- From complexity to hypercomplexity

- From rationality to bounded rationality

Knowl. society library

?

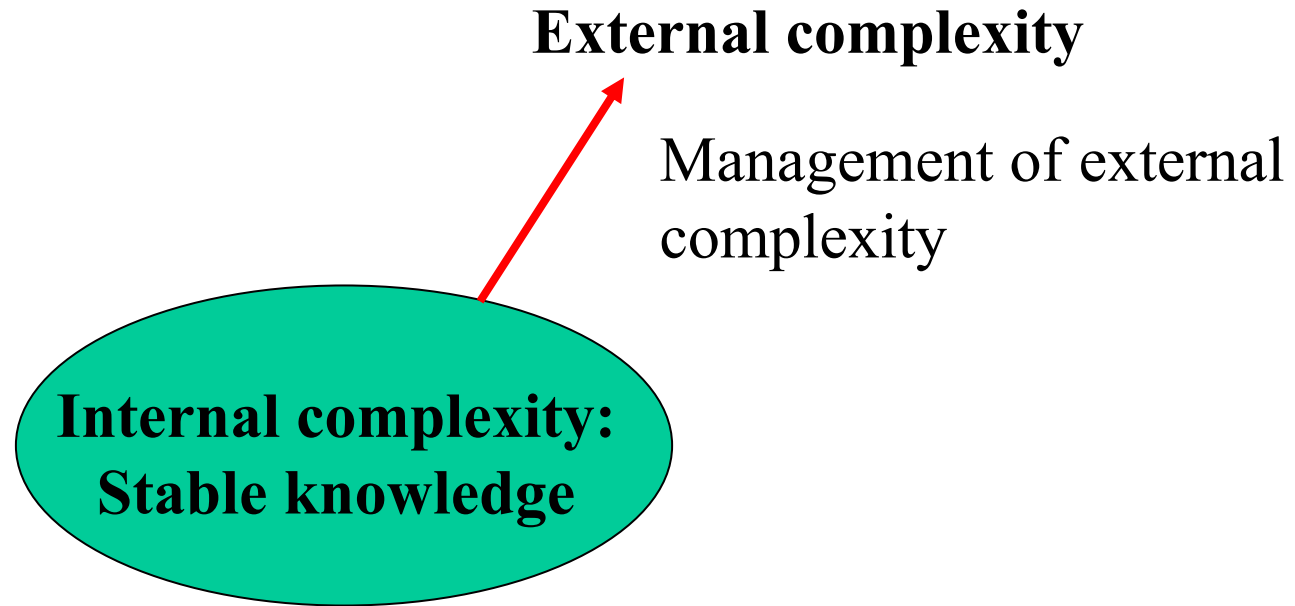
Knowledge  
based  
superstructure

Knowledge based  
production sphere

# Implications

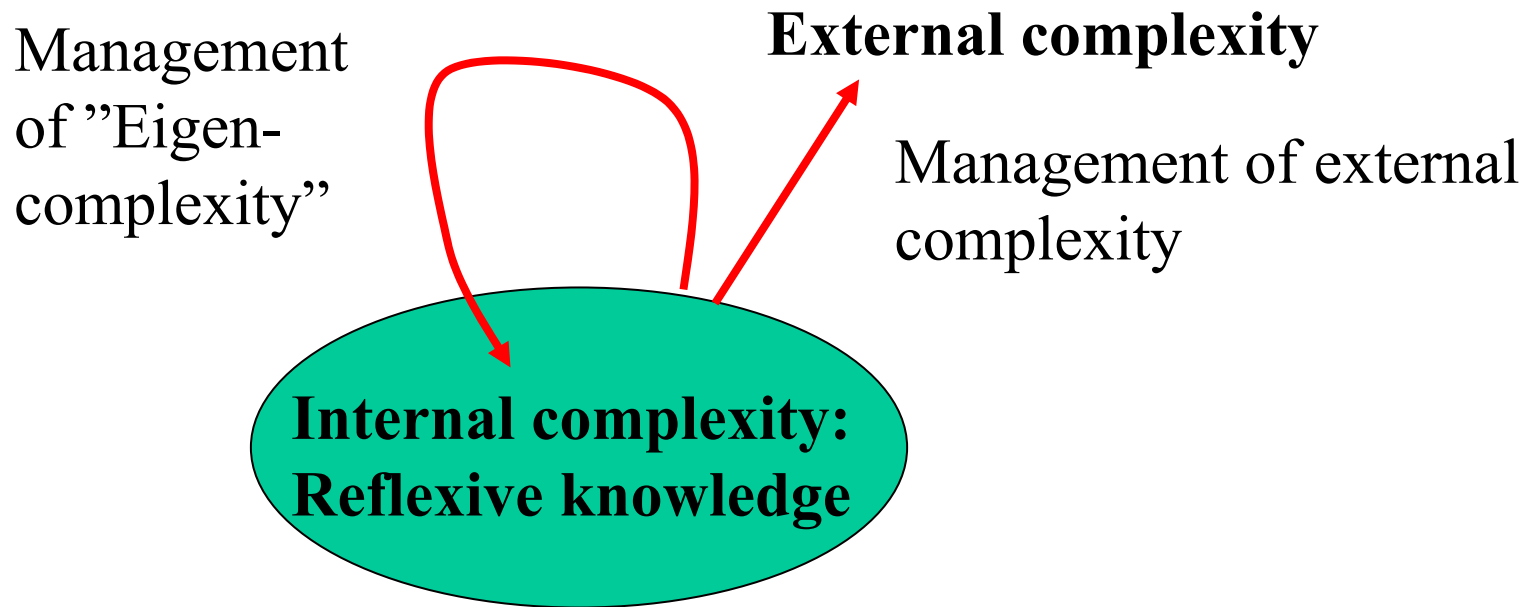
- From certainty to contingency
- Towards a new phase of enlightenment

# Complexity

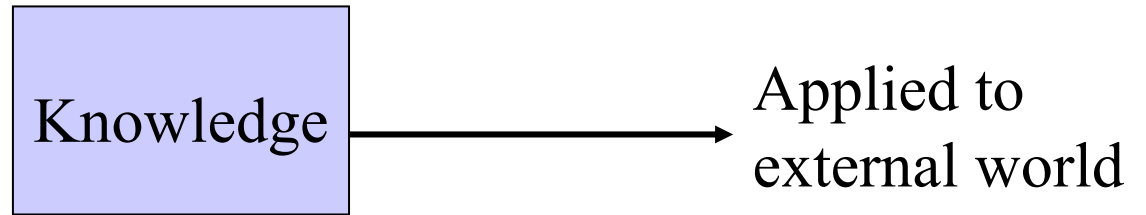


Knowledge as stable resource

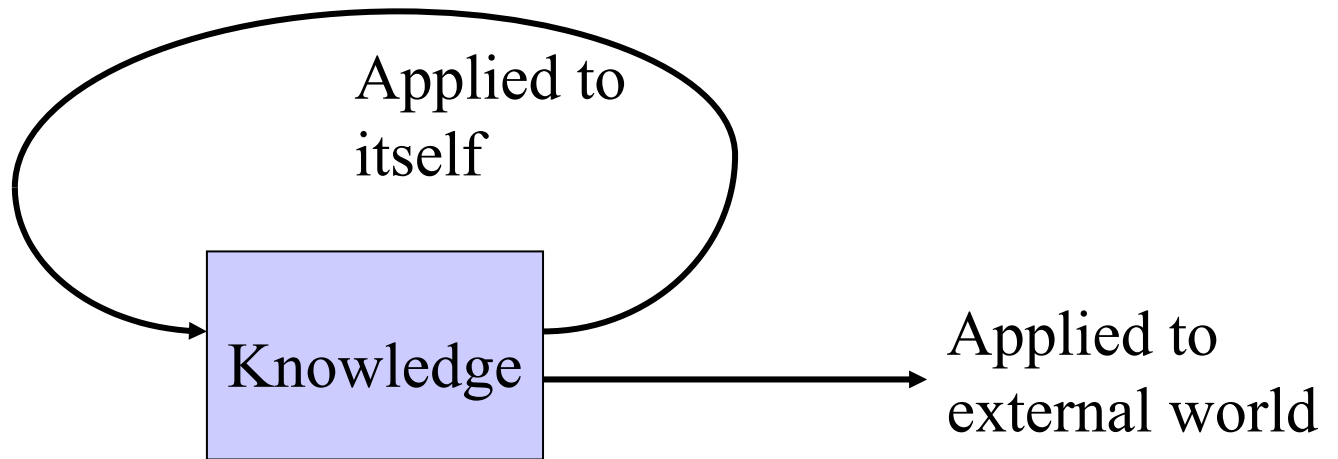
# Hypercomplexity



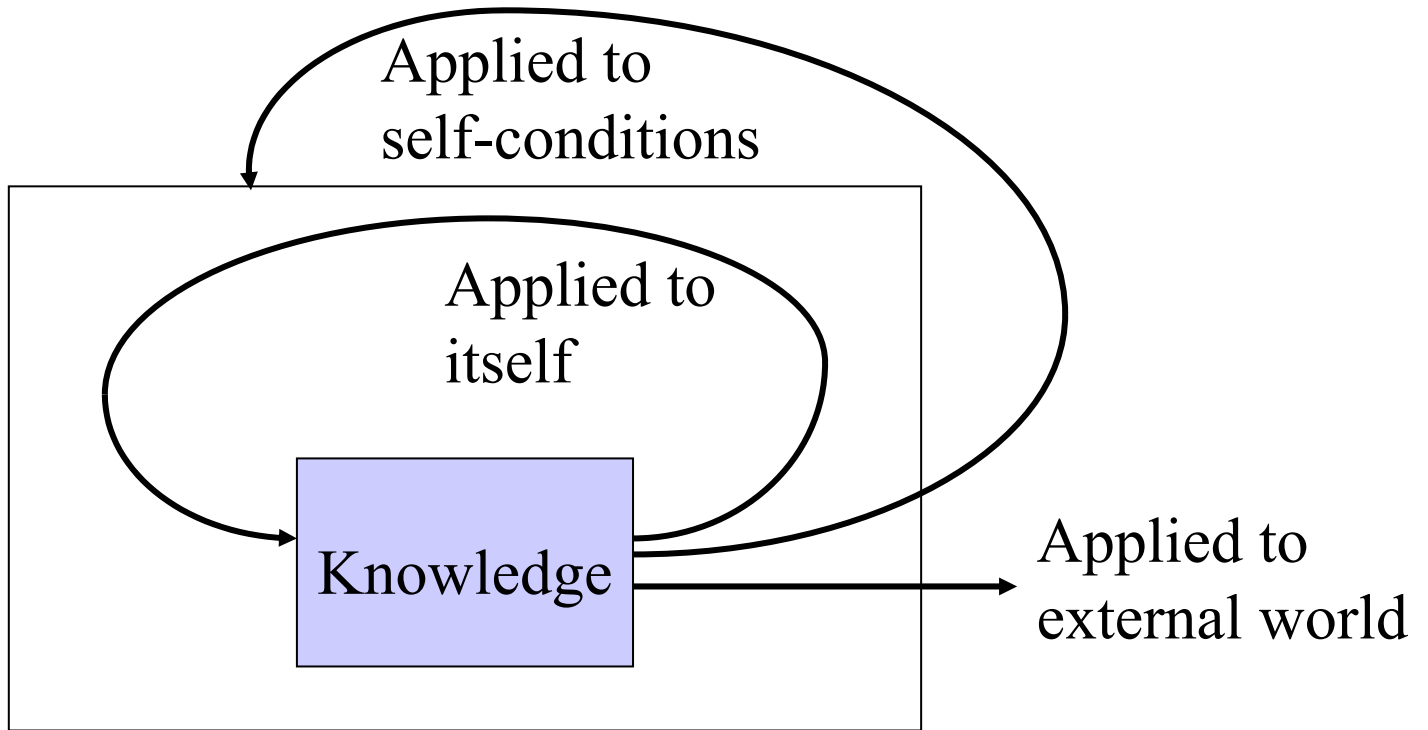
Knowledge as dynamic (autopoietic) resource



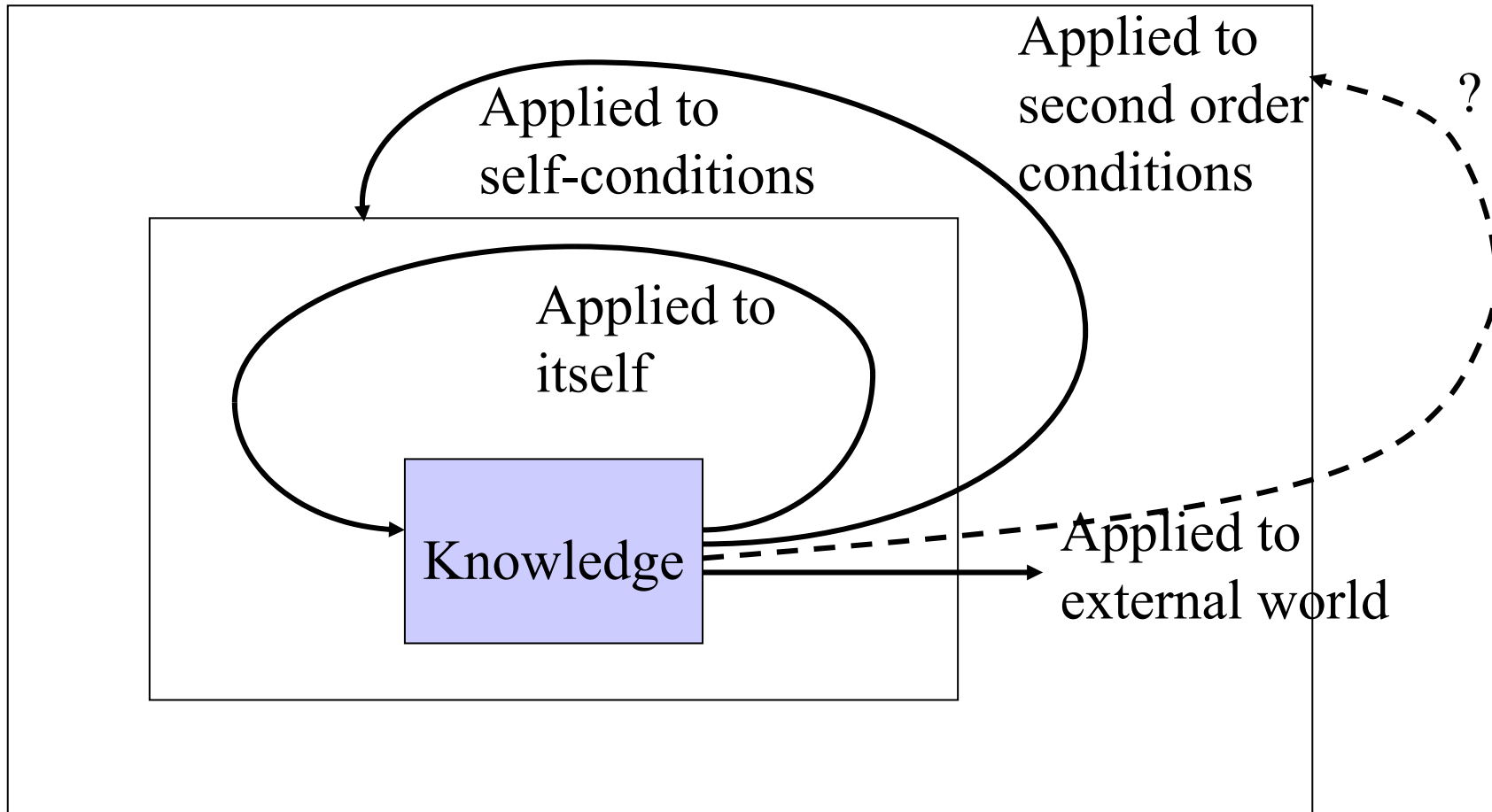
Static knowledge



Self-correcting knowledge  
(situative knowledge)



Autopoietic knowledge  
(systemic knowledge)



Evolutionary knowledge  
(cultural knowledge)

# The system of knowledge

Factual knowledge (qualifications)	Knowledge of phenomena
Reflexive knowledge (competencies)	Knowledge of knowledge
Systemic knowledge (creativity)	Knowledge of internal knowledge conditions
Metasystemic knowl. ("Culture")	Knowledge of external knowledge conditions

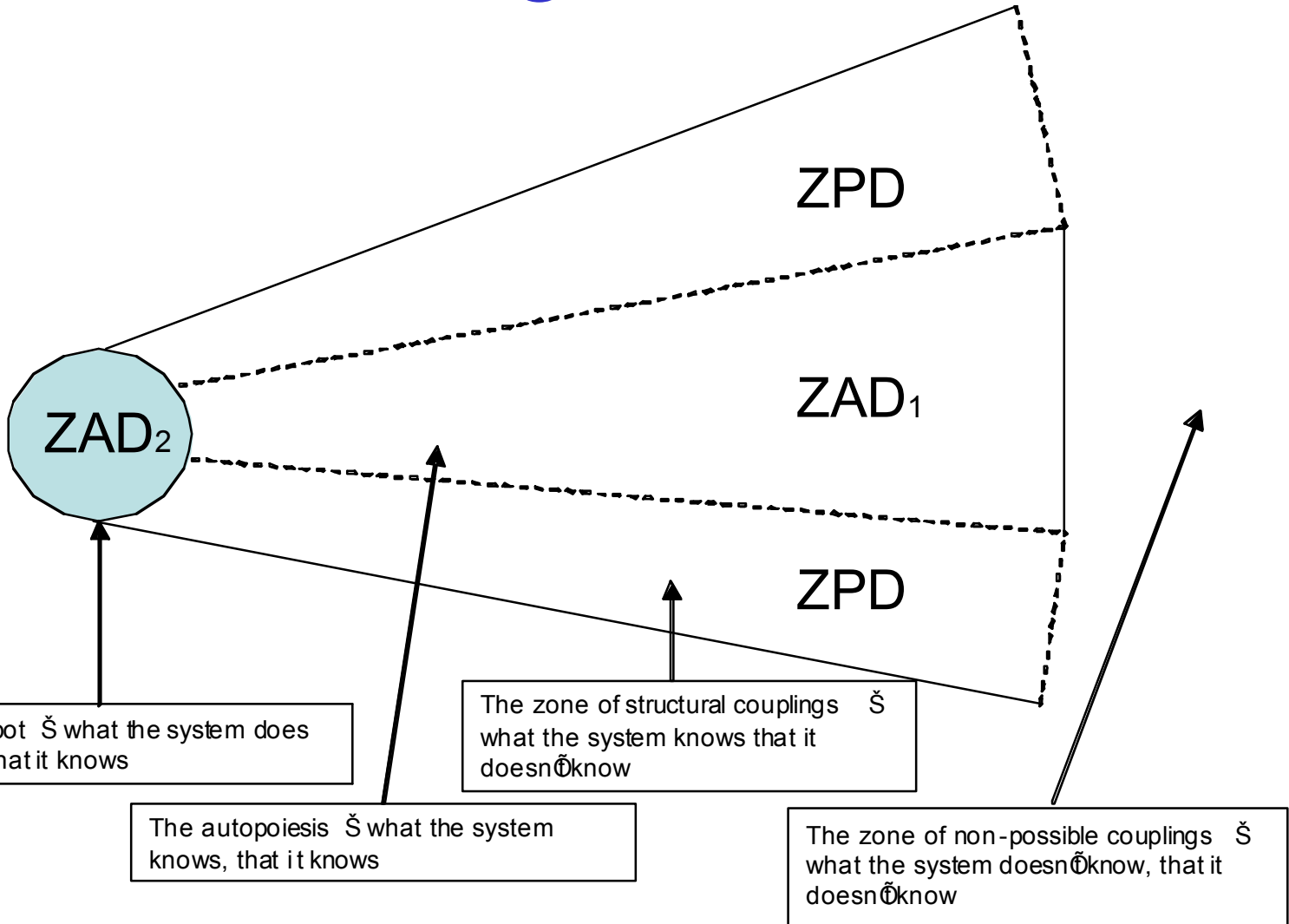
# History as example

Factual knowledge ("Qualifications")	What happened? ("Knowing what")
Reflexive knowledge ("Competencies")	How do I use it? ("Knowing how")
Systemic knowledge ("Creativity")	Why is it interpreted that way? ("Knowing why")
Metasystemic knowl. ("Culture")	Why "history"? ("History as society's precondition")

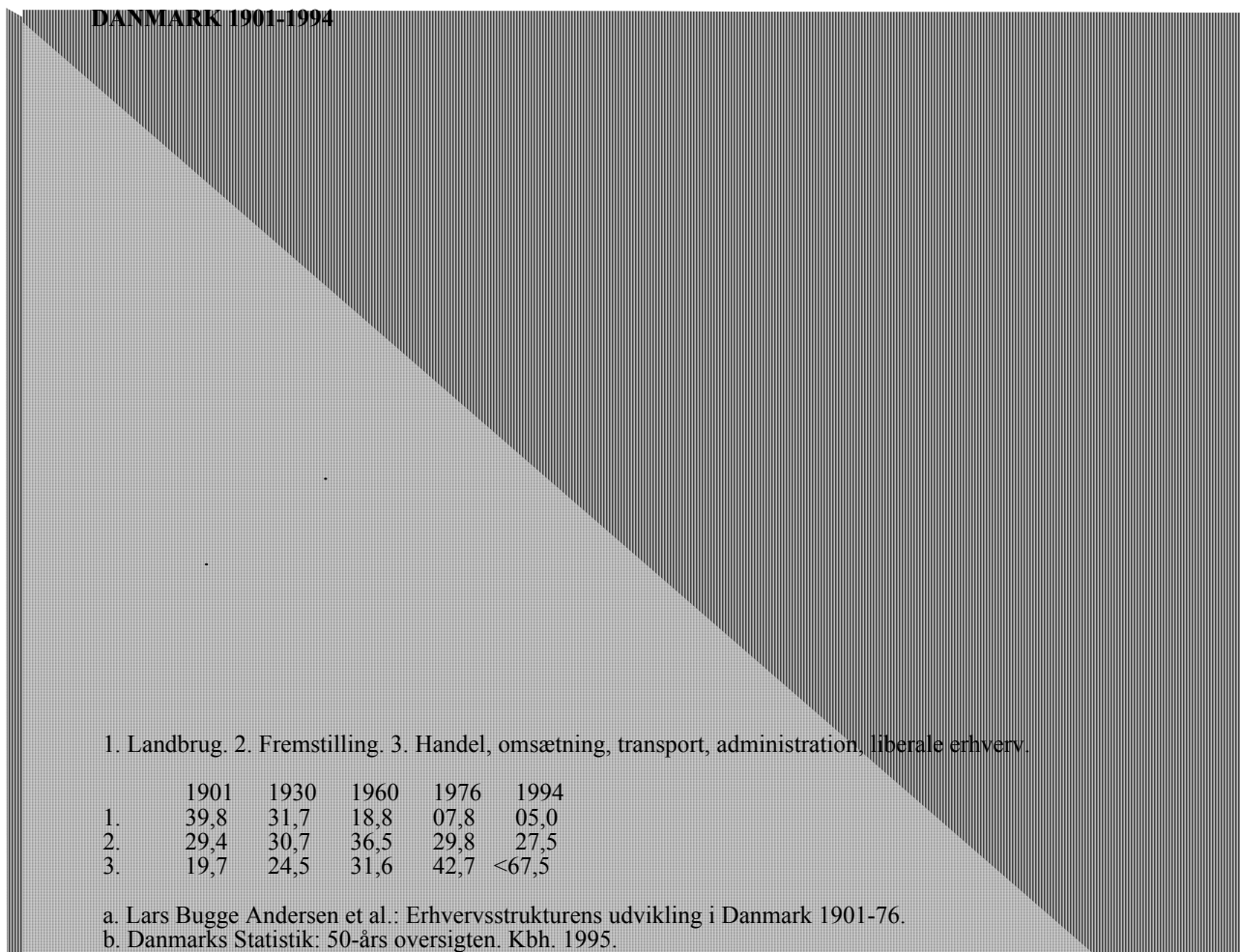
# Learning potentials

Qualifications	What I know that I know	The system's autopoiesis
Competencies	What I know that I don't know	The system's zone of possible development
Creativity	What I don't know that I know	The system's blind spot
Culture	What I don't know that I don't know	The system's conditioning environment

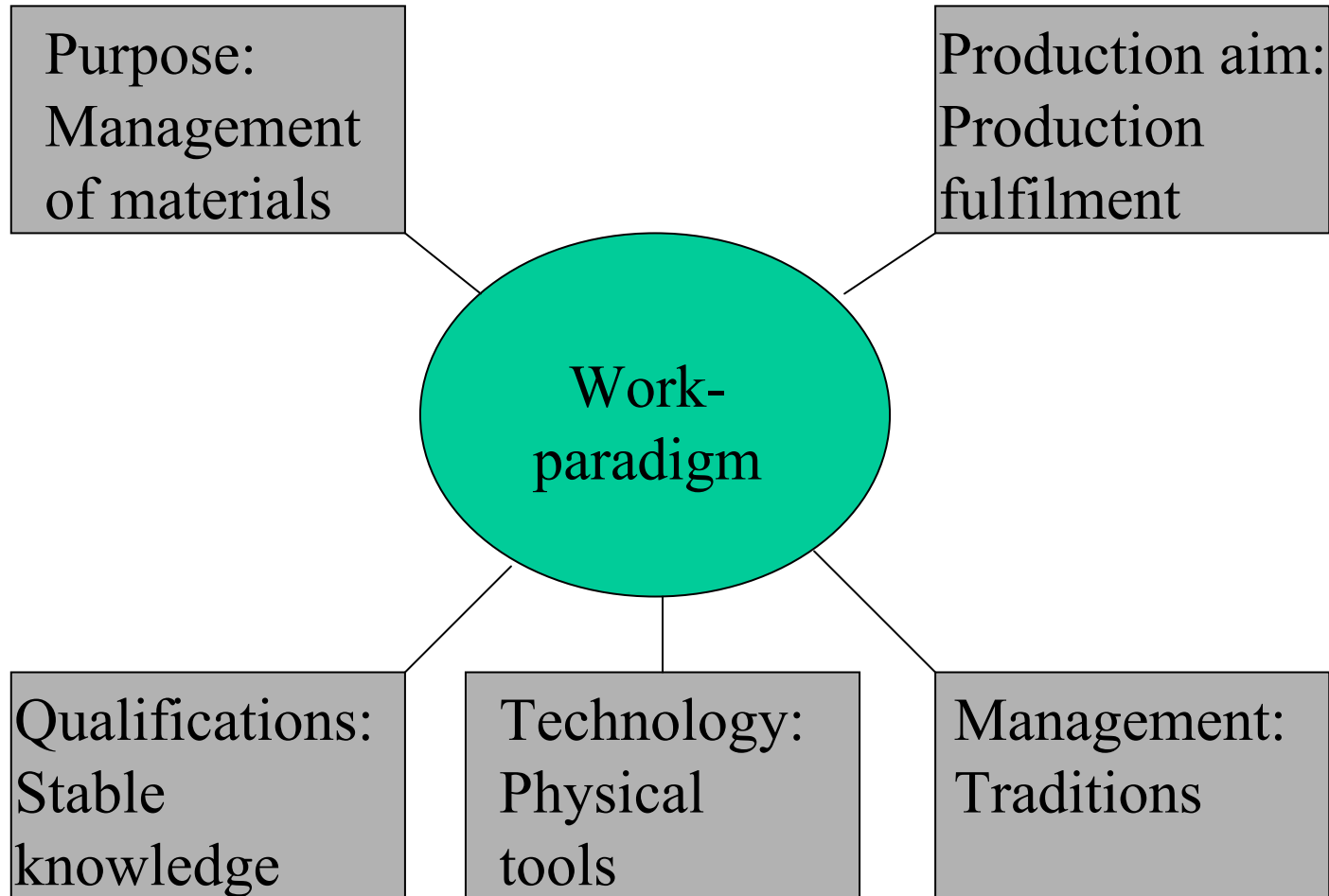
# Learning Potentials



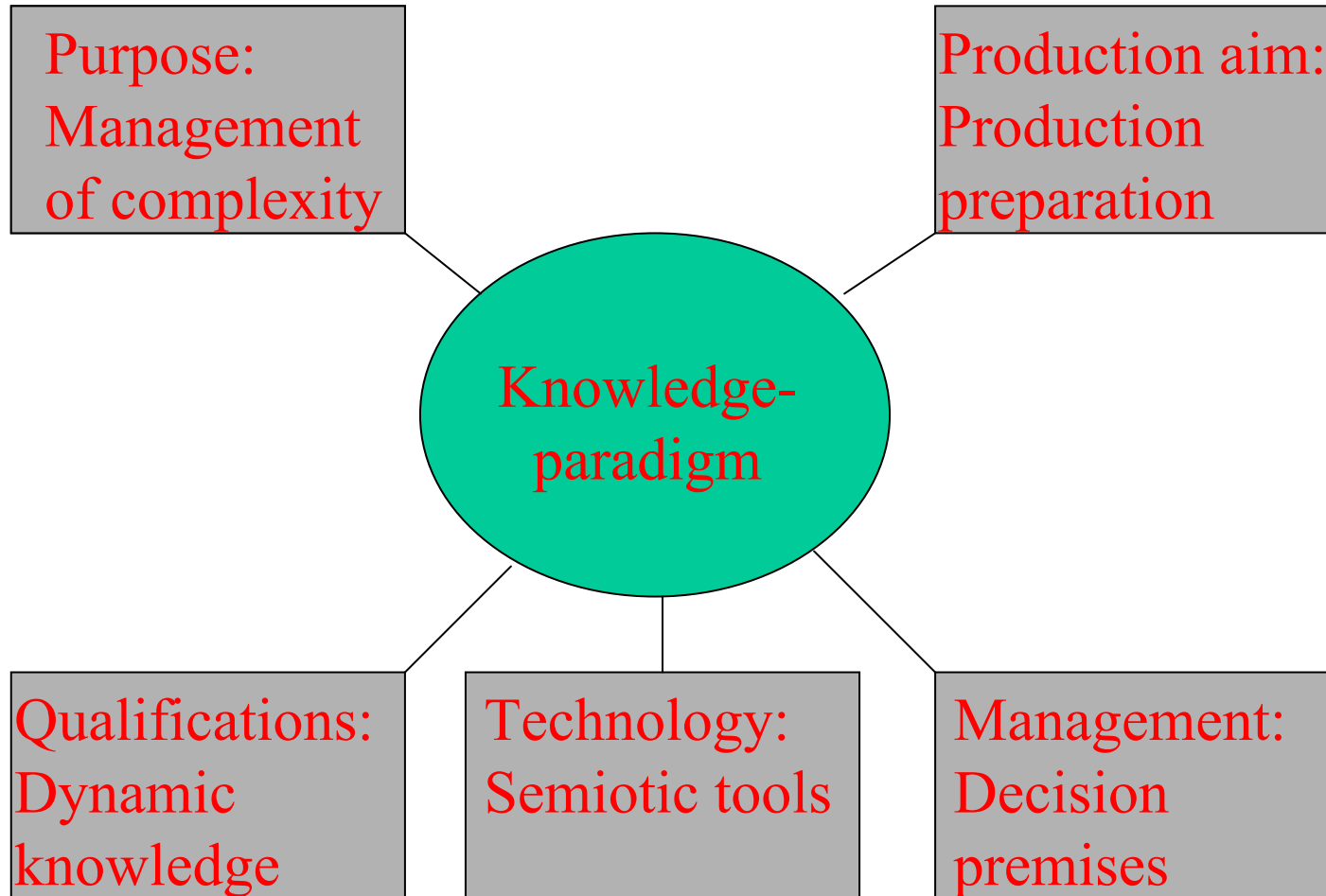
# Denmark in the 20th Century



# The Changing Denmark



# The Changing Denmark



# Knowledge Stimulation

