Potentials and Risks for Creating a Global Sustainable Information Society

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1 The Great Bifurcation

1.1 Challenge in complexity

global challenges

- = challenges that
- (1) affect (the survival of) all humanity (objective factor) and
- (2) can successfully be treated only by humanity as a whole (subjective factor)

1.1 Challenge in complexity

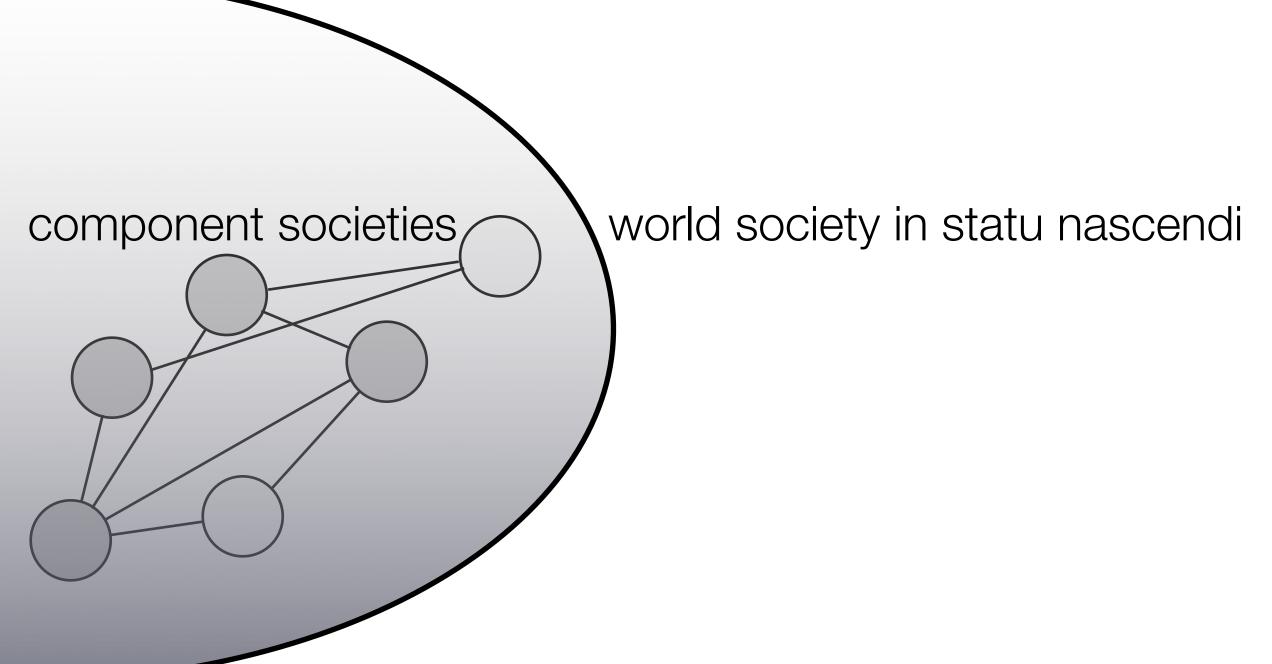
global challenges are complex challenges:

their complexity exceeds the problem-solving capacity of any currently existing social system

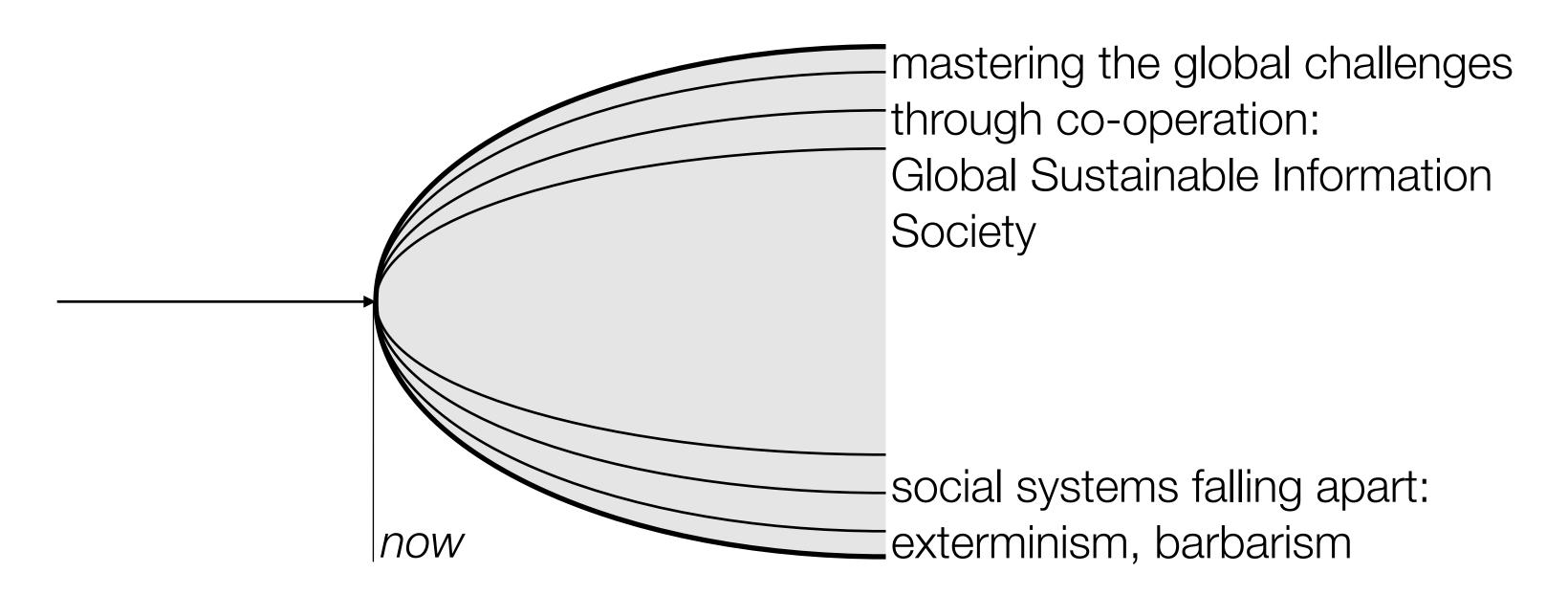
that complexity might be reduced by an informationalised, sustainabilised, globalised social system, that is, a system that is

- (1) existent on a planetary scale "global" -
- (2) capable of acting upon the dangers of anthropogenic breakdown "sustainable" because it is
- (3) capacitated, by means of ICTs, to create requisite knowledge "informational"

a metasystem transition to a possible supra-system

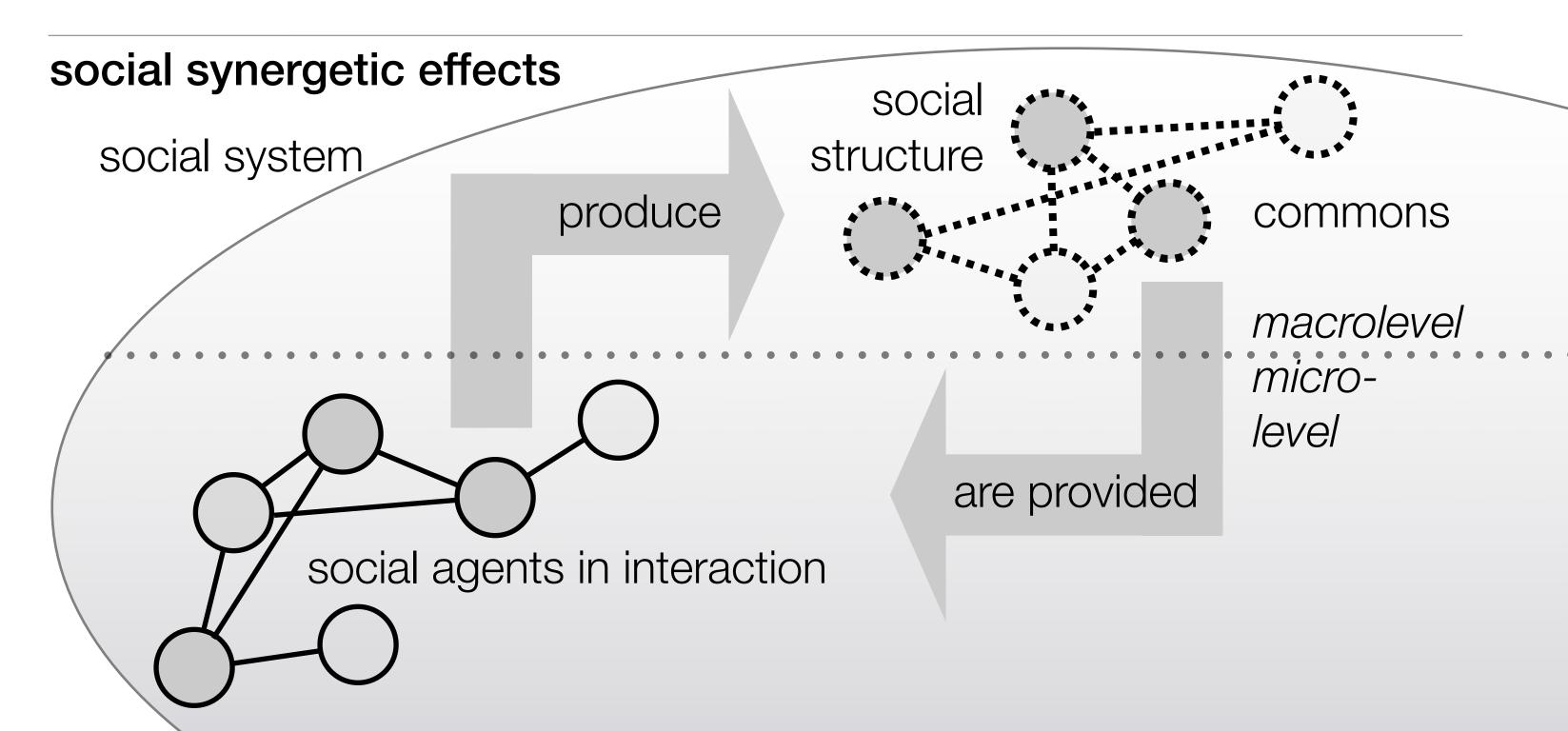


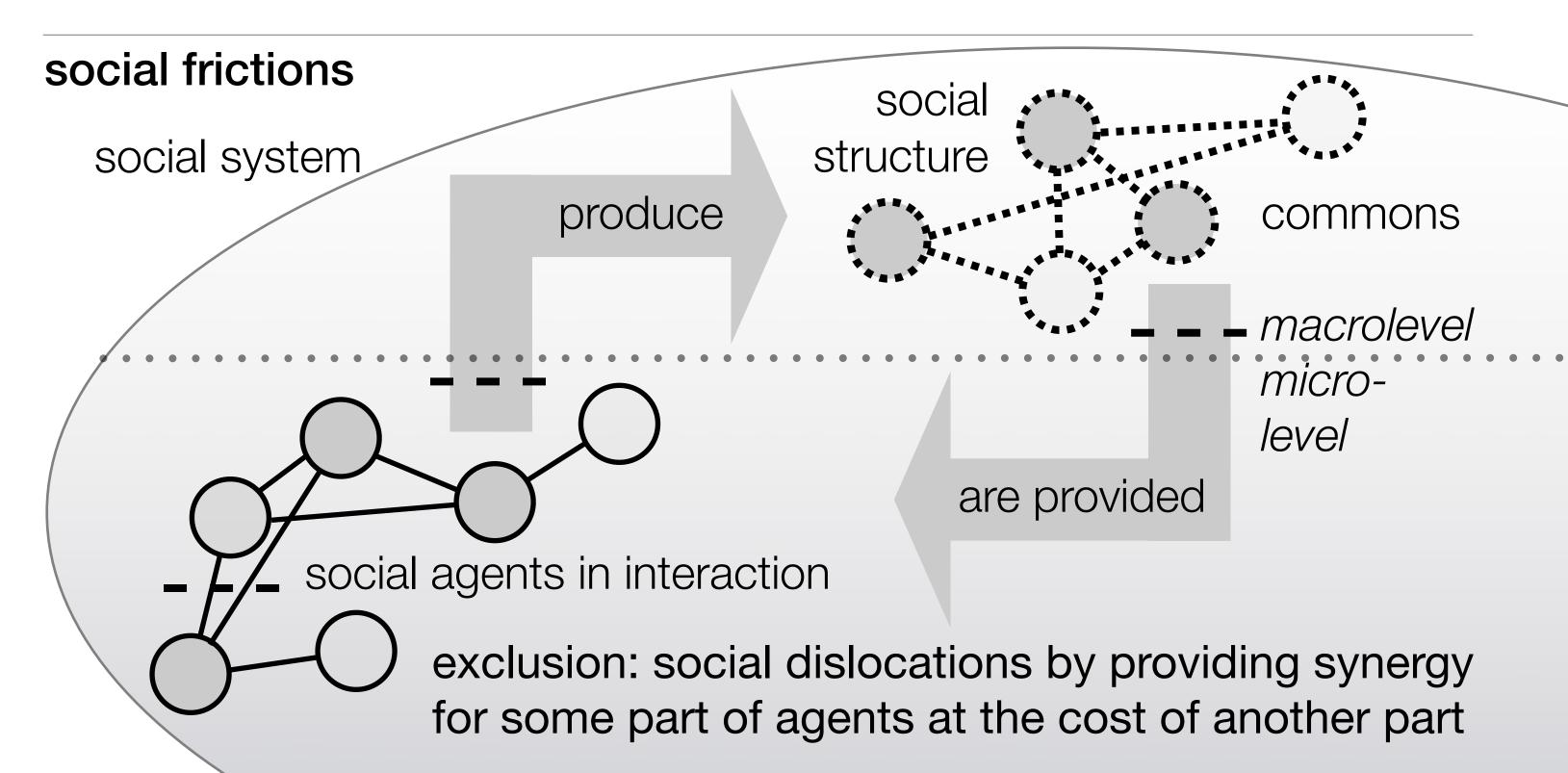
a metasystem transition to a possible supra-system

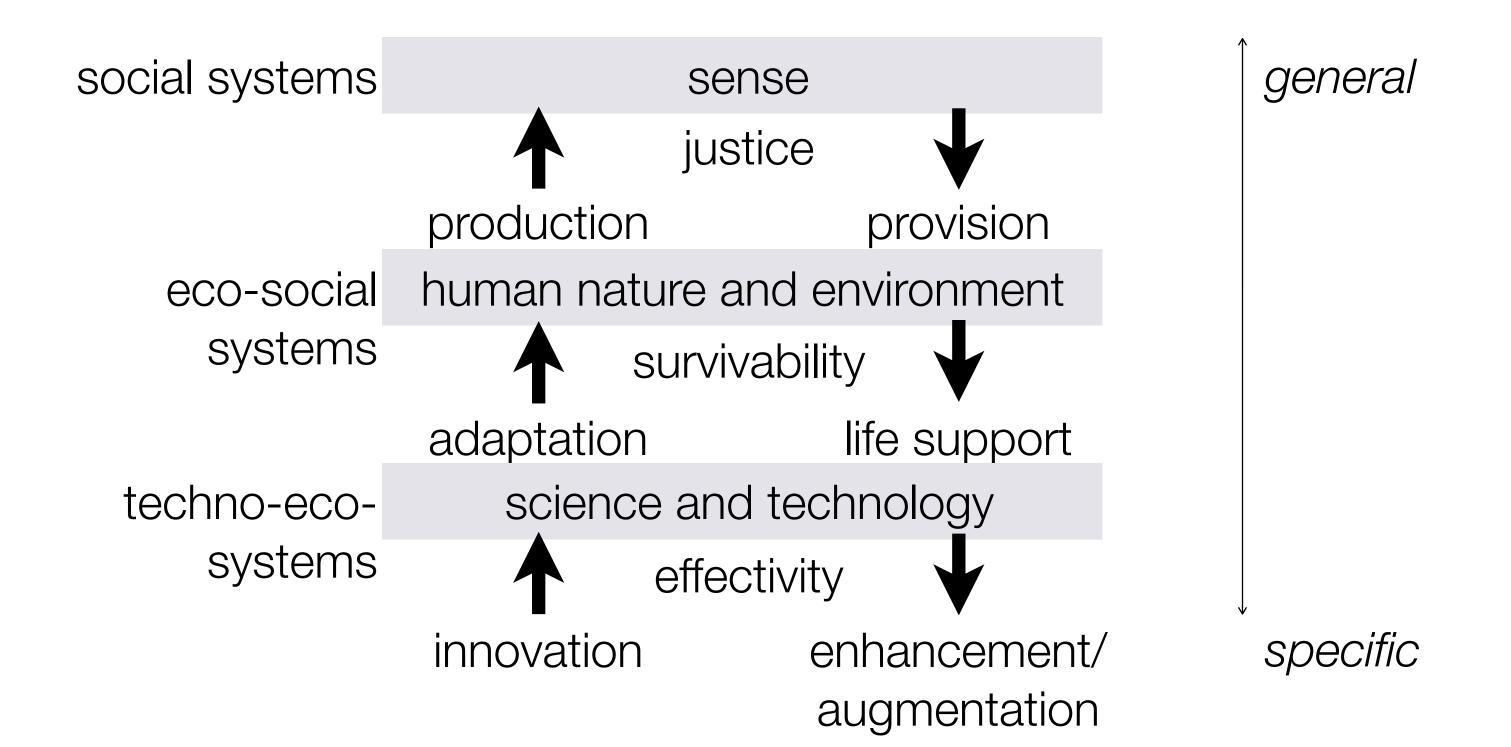


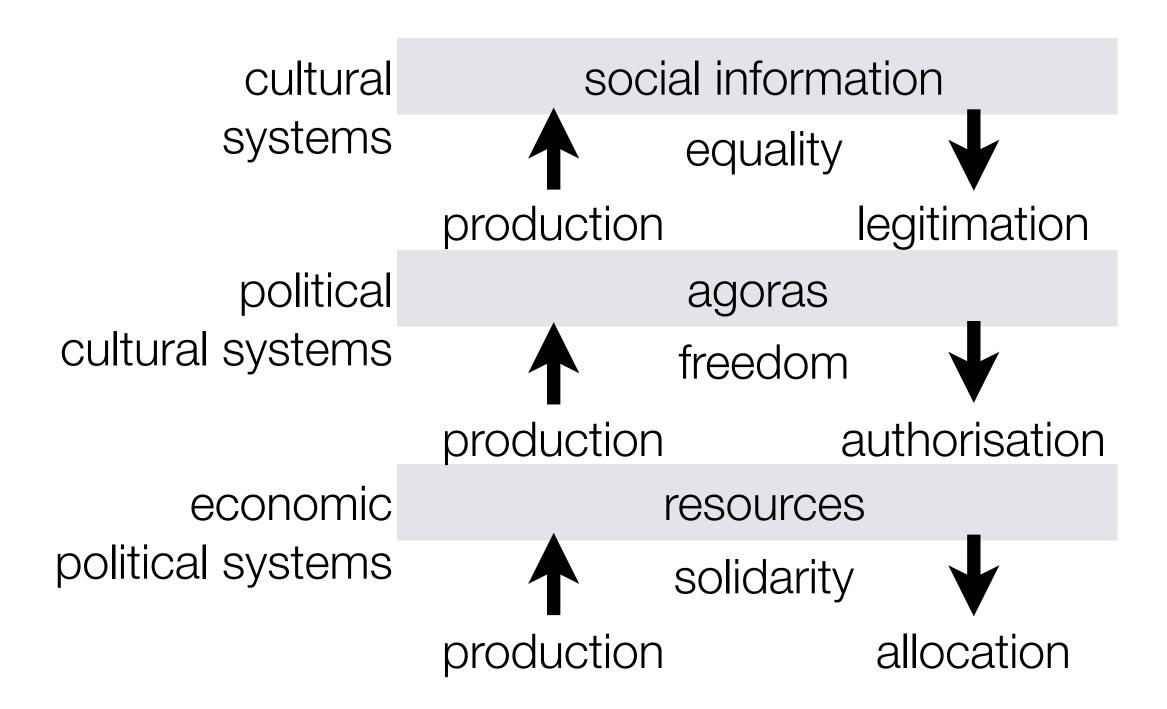
- •the evolution of social systems has reached a critical point:
- •the evolutionary process paves the way for an organisation of higher order of social systems such that they are enabled to catch up with the complexity that ensues from their own development;
- •however, the social systems can fail!

2 The commons









general

specific

2.2 The current crises

commons	imminent dangers of particularism	
social information	fundamentalistic ideology	
agoras	authoritarian rule (right wing)	
	financial capital dominance, split-up of	
resources	labour	
human nature and		
environment	orogressive colonisation	
science and	military and industry funded, big	
technology	science, meaningless technology	

2.2 The current crises

in times of crises systems decouple from each other

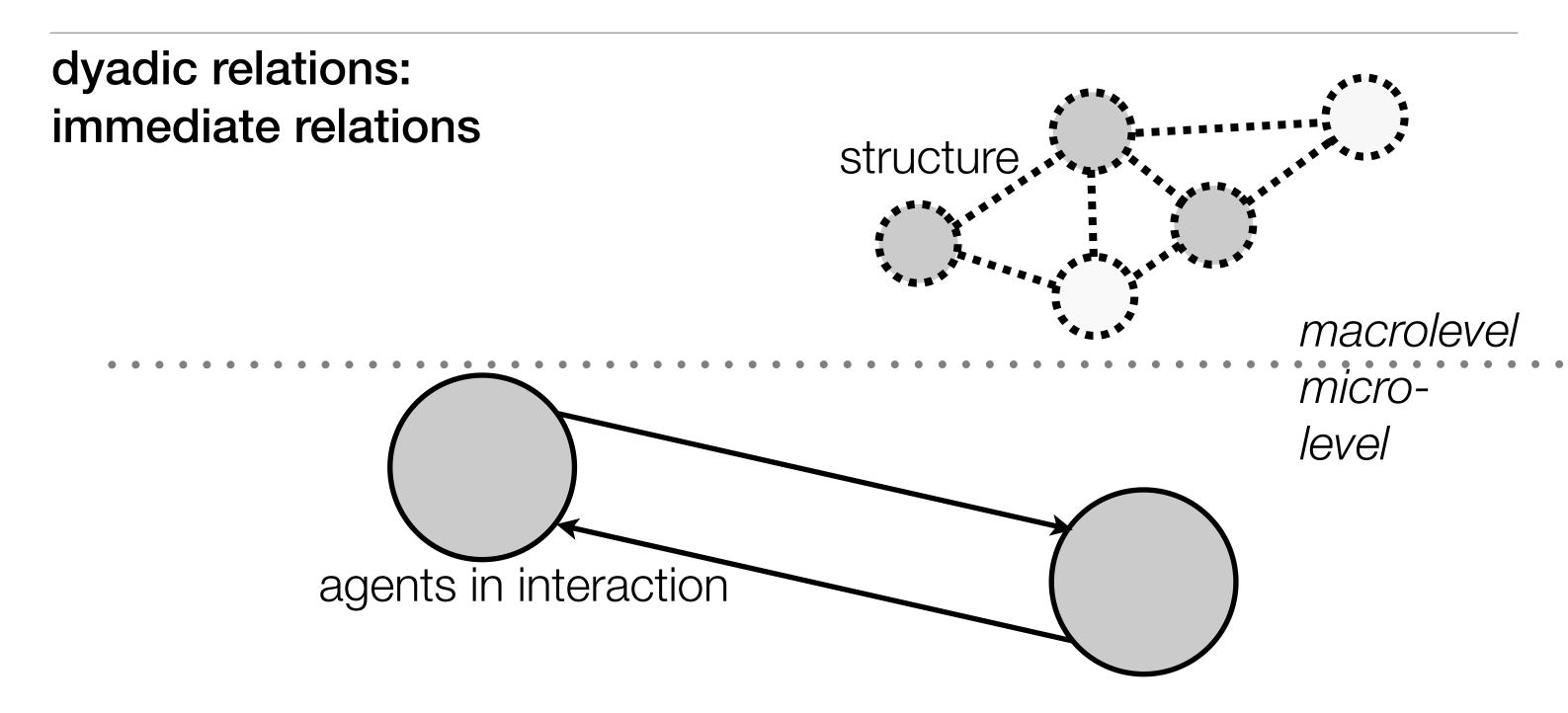
but they are in the position to relink on a greater scale

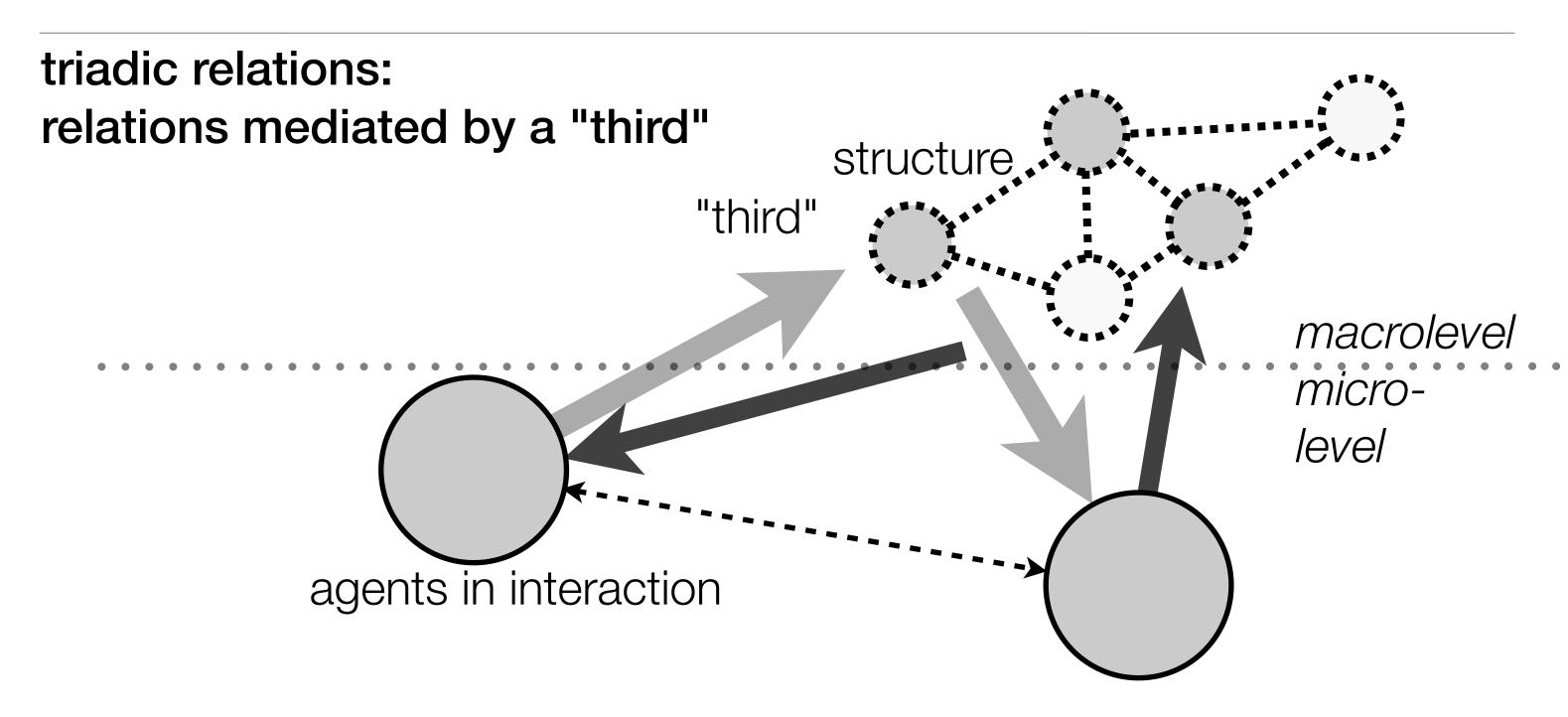
2.2 The current crises

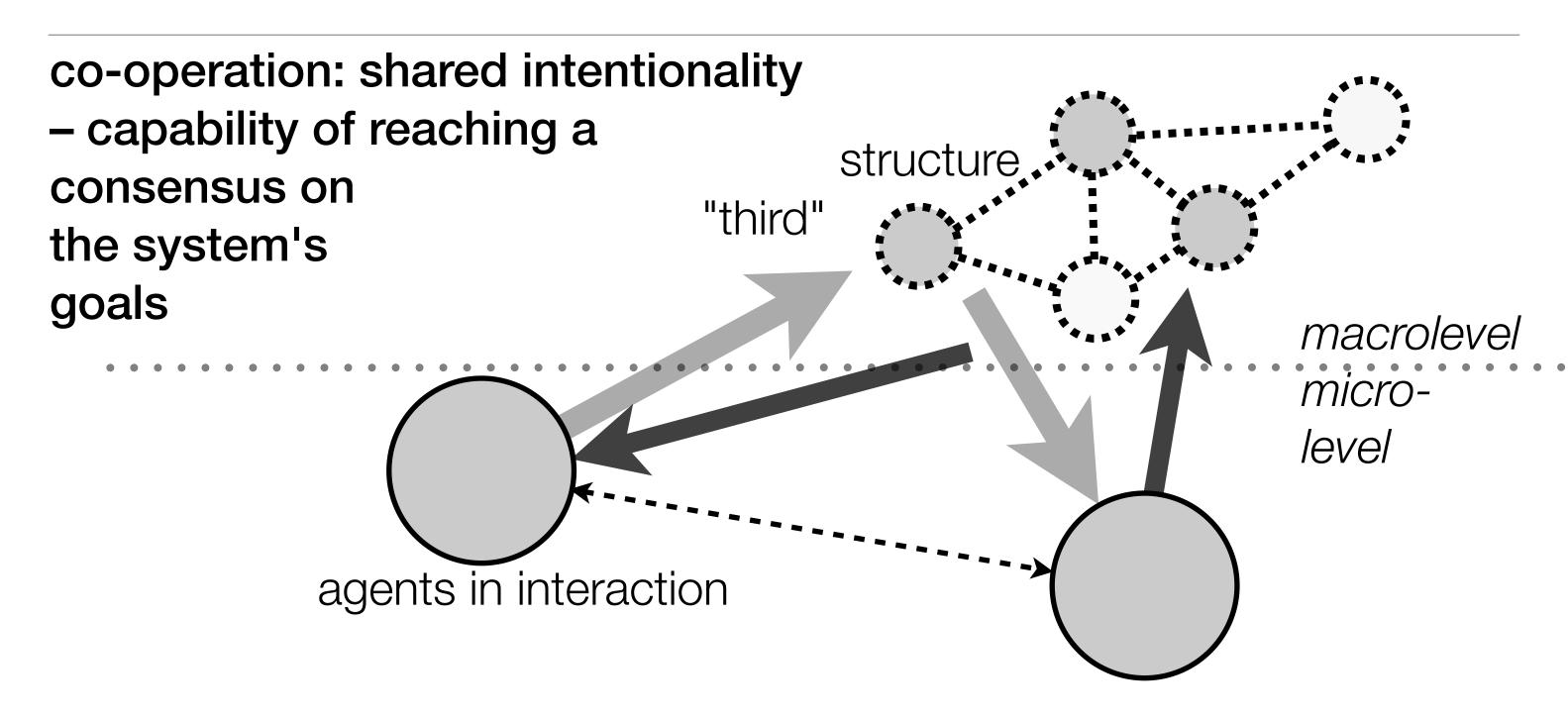
•as long as social systems could externalise effects, their selforganisation was compatible with the enclosure of the commons; now that they are interconnected as they are, the enclosure of the commons is not tenable any more!

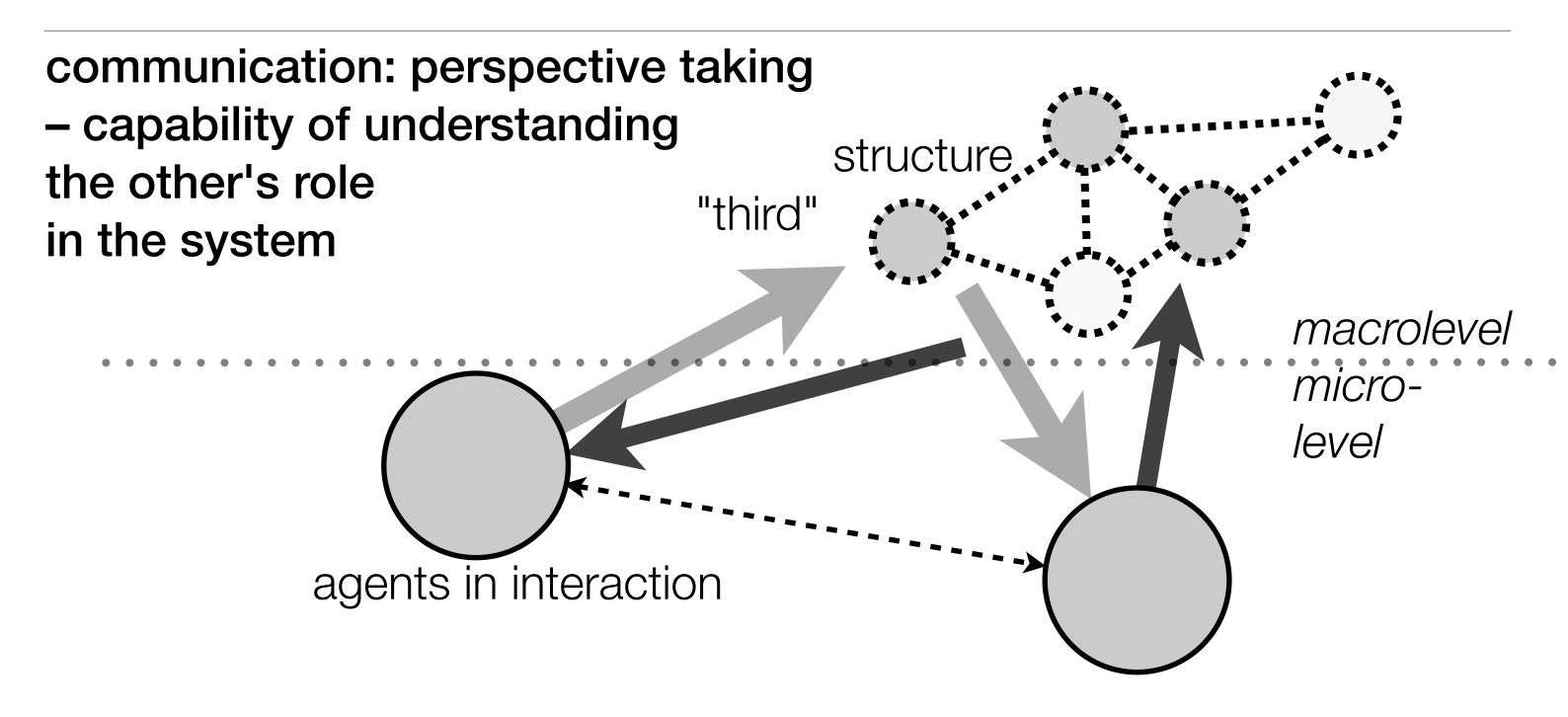
3 The dialectic of informatisation

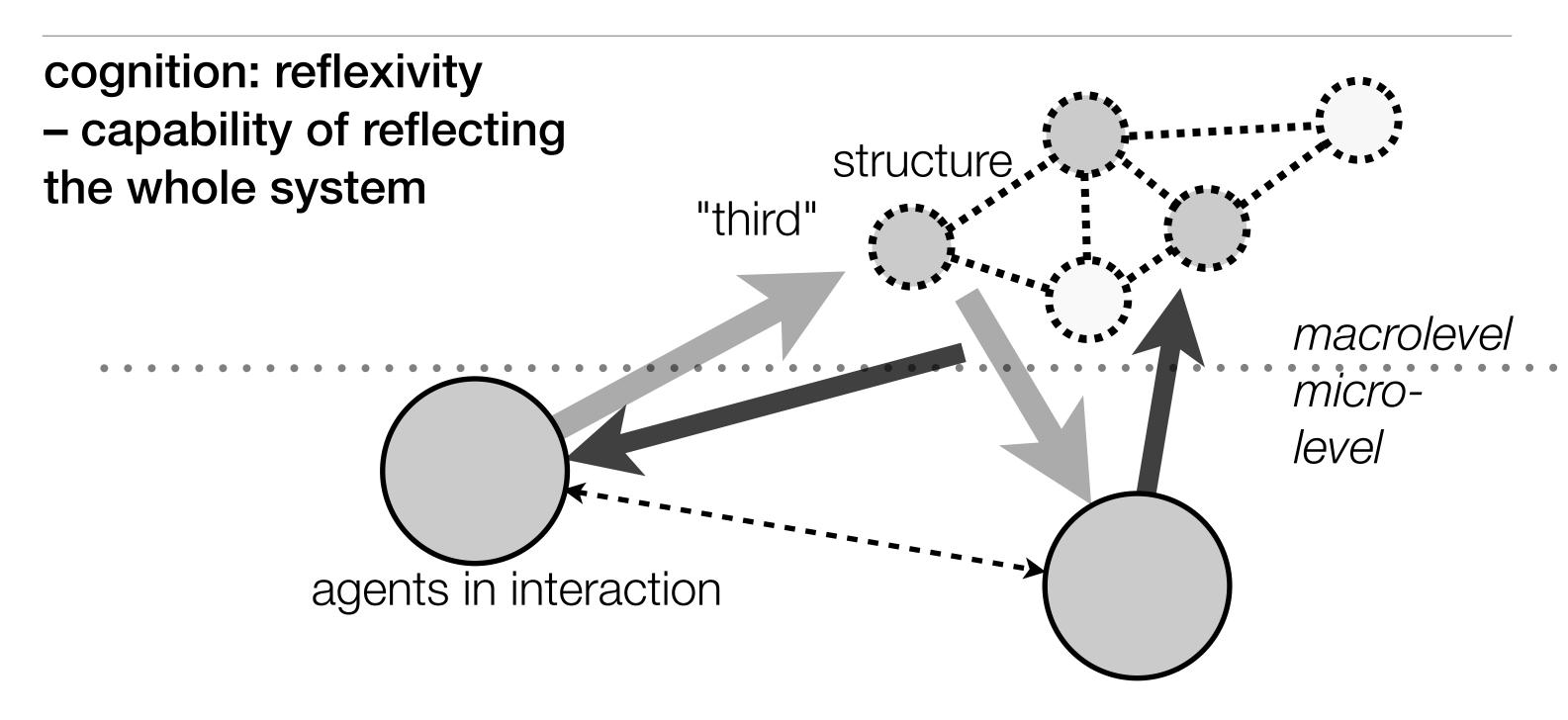
information reduces the frictions

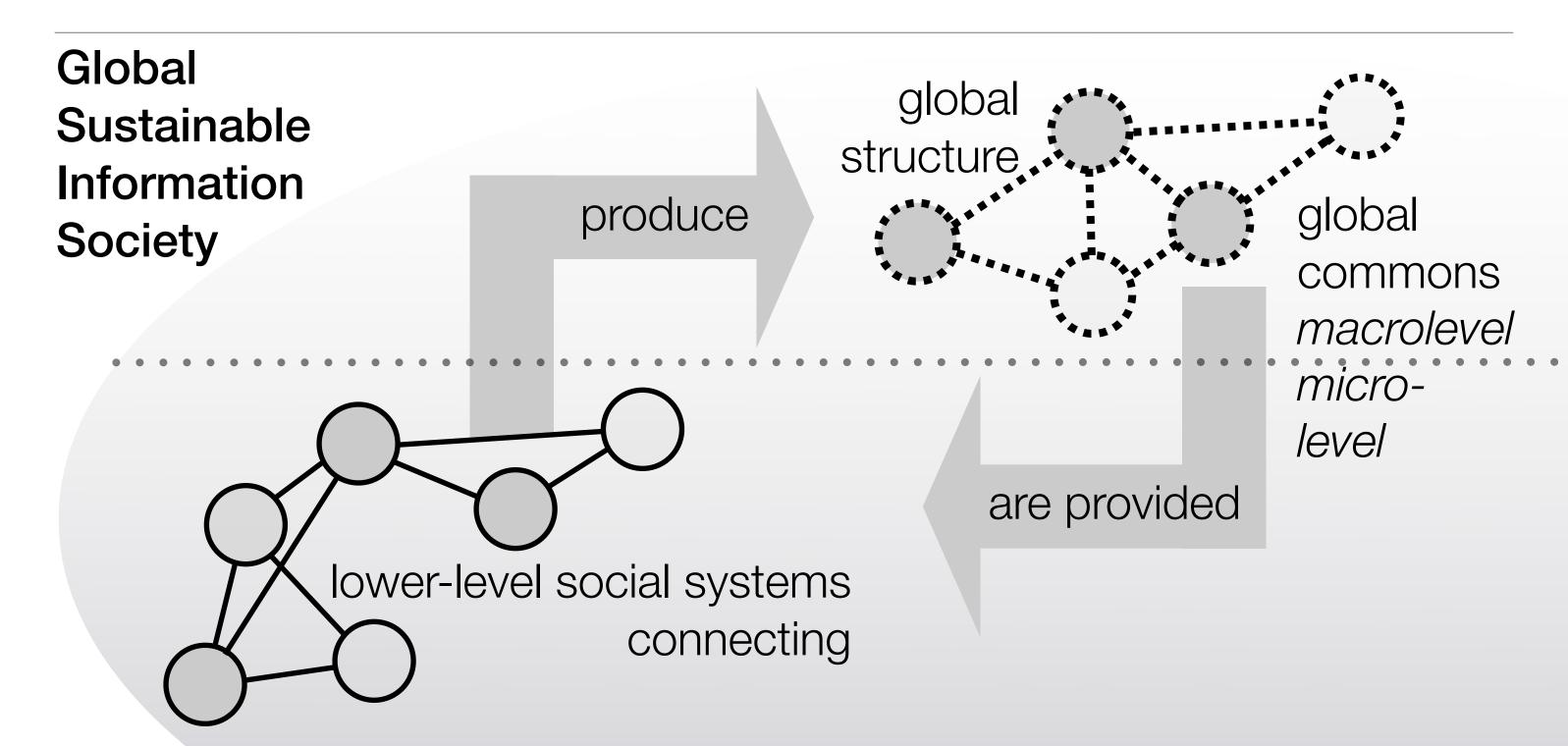












lower-level social systems

what is to be shared for co-operative goal-setting and t-seeking; negotiated in communication processes; reflected through thorough cognitive deliberation, by agents and social systems in order to catch up with the macrolevel complexity they generated, is the requirements for creating the nascent Global Sustainable Information Society are provided

connecting

3.2 Antagonisms of informatisation

informatisation

- reinforces existing dislocations, quantitatively,
- spans new dislocations, qualitatively,
- provides potentials for informationalisation, sustainabilisation, and globalisation, qualitatively

3.2 Antagonisms of informatisation

social systems	antagonisms between	
cultural systems	wisdom and media disinfotainment	
political cultural systems	empowerment and surveillance/infowar	
economic political systems	unfettered information and intellectual proprietarisation	informed world netizenship and digital divide
eco-social systems	reproductivity and ICT-aided degradation	
techno-eco-systems	productivity and ICT-aided vulnerability	

3.2 Antagonisms of informatisation

- the so-called social media like any ICTs can have ambiguous impacts on the social system they support:
- •on the one hand, a potential for reducing frictions in the functioning of social systems inheres in them so as to sustain the continuation of the latter;
- on the other hand, they can be functionalised for purposes detrimental to reclaiming the commons;
- •thus they need to be designed deliberately!

thanks!

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