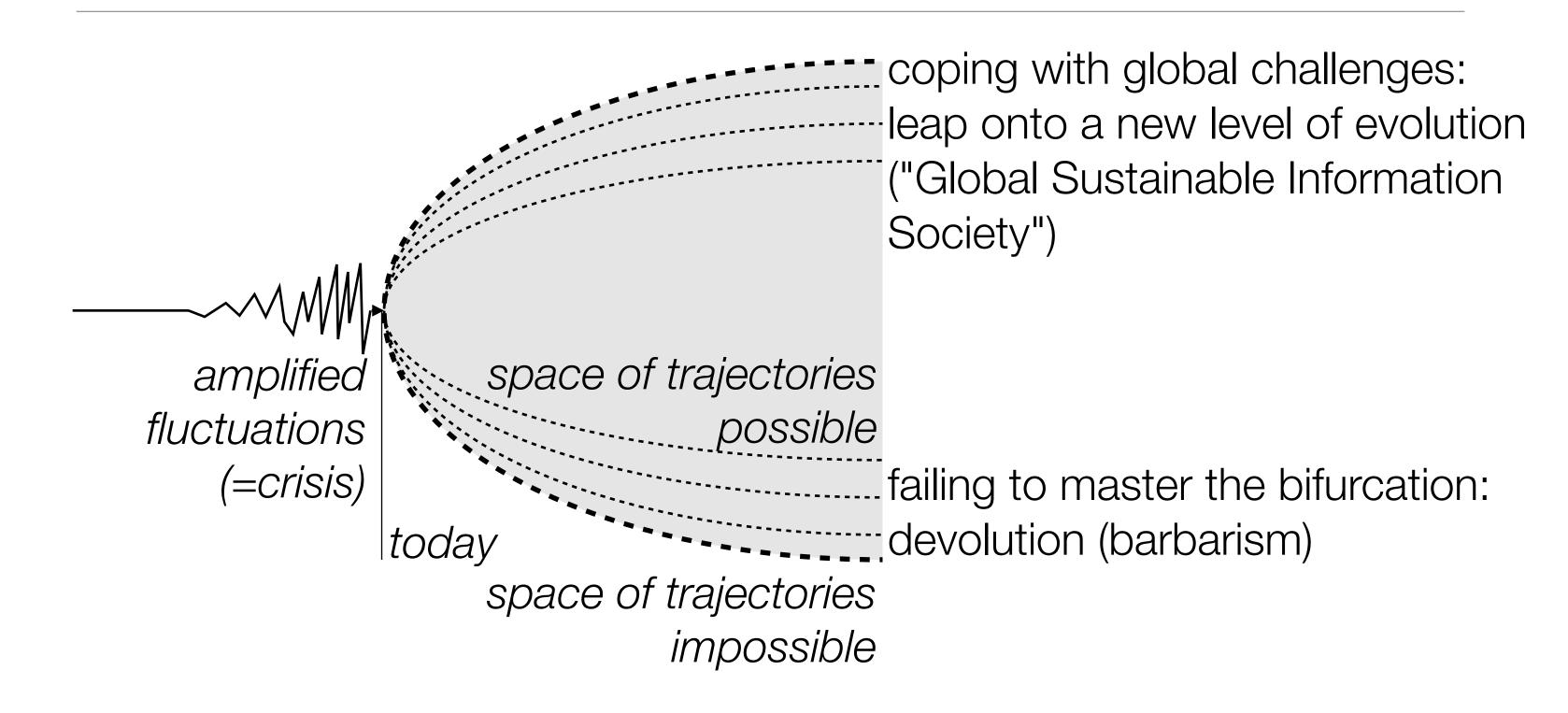


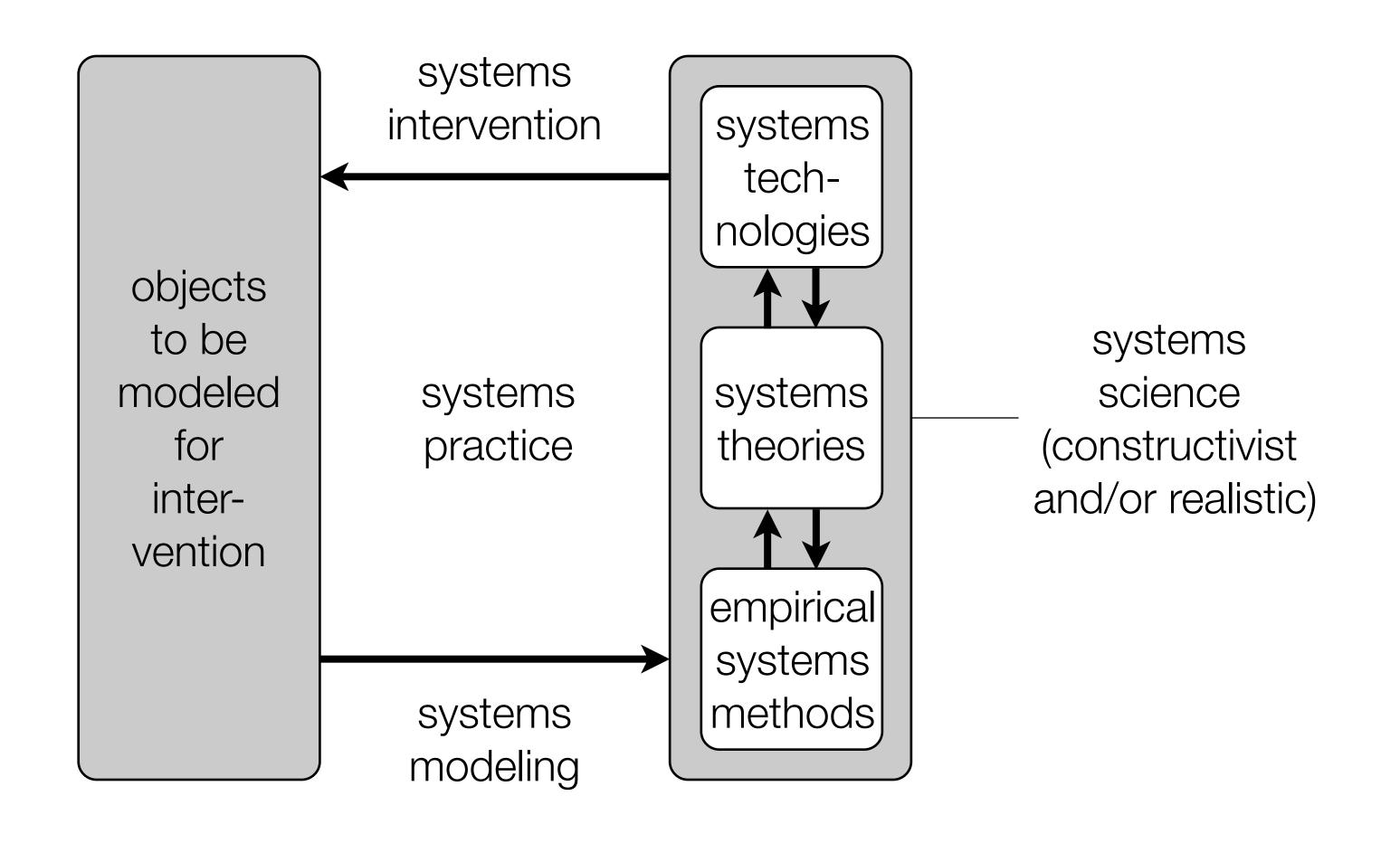
Welcome

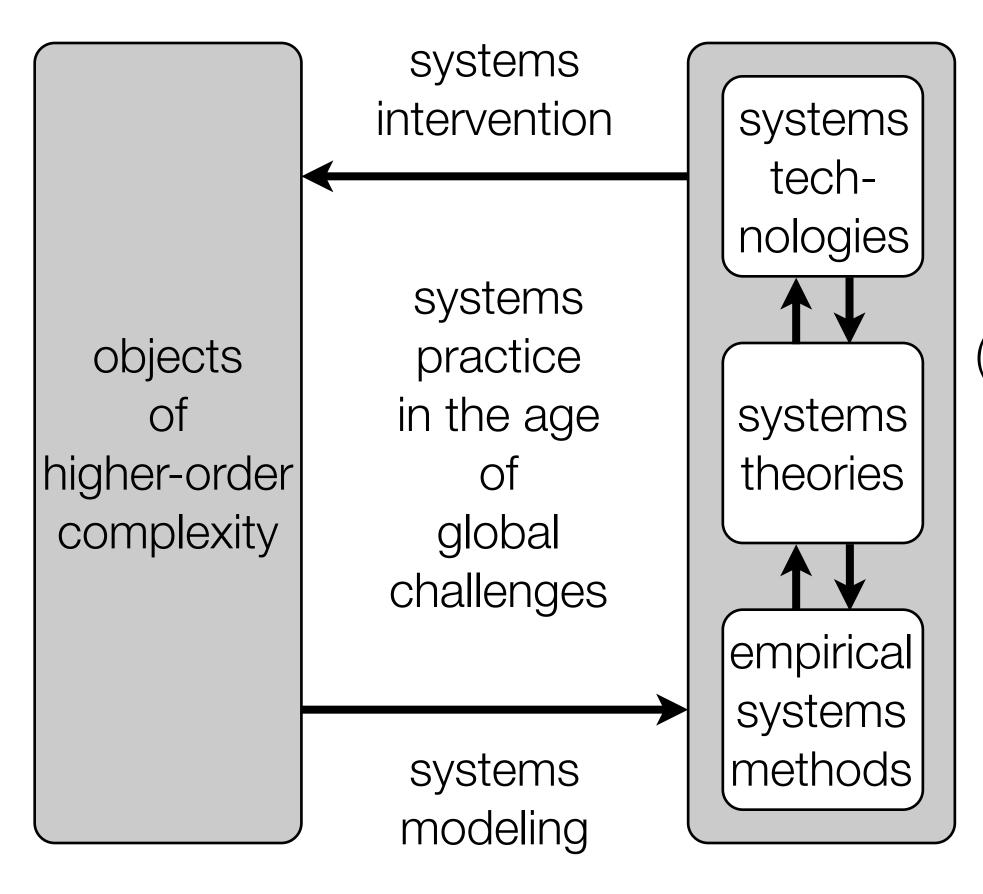
Wolfgang Hofkirchner, BCSSS Chair, EMCSR 2014 Civilisation at the Crossroads Response and Responsibility of the Systems Sciences

Civilisation at the Crossroads: global challenges indicate a "Great Bifurcation"



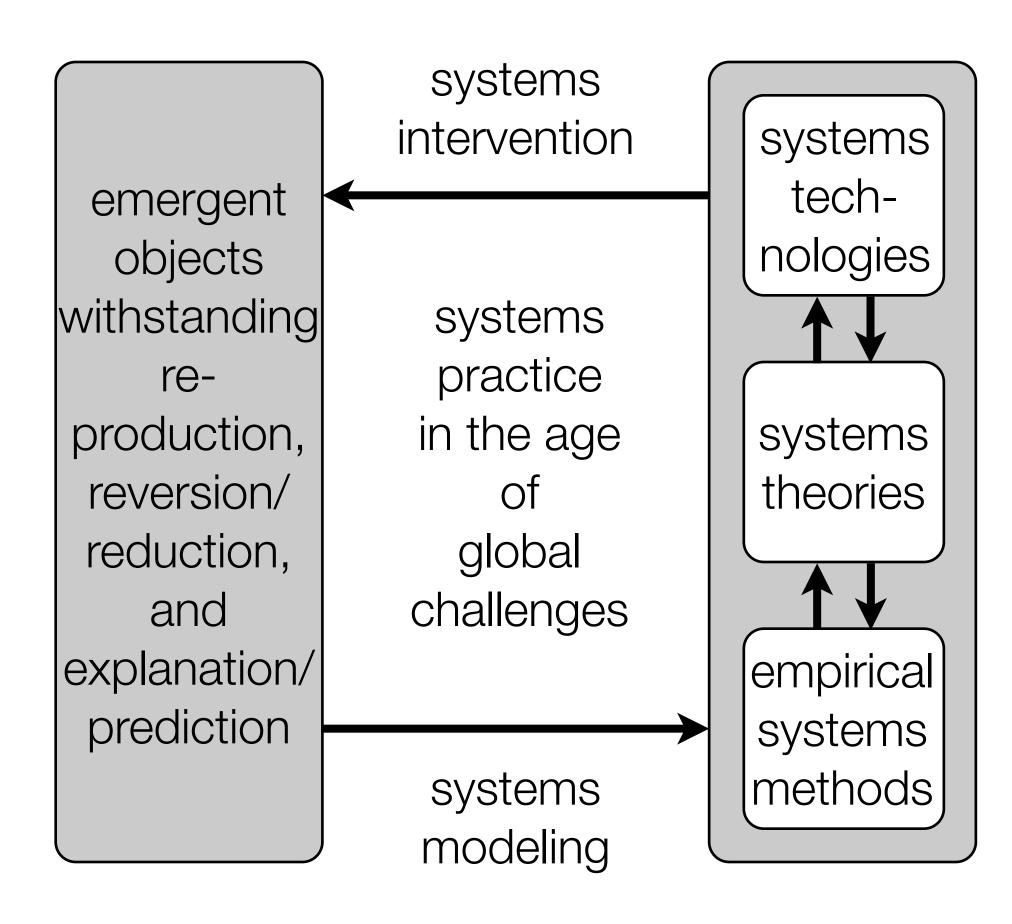
Global challenges are challenges in complexity: Systems Sciences – the best models for dealing with them?





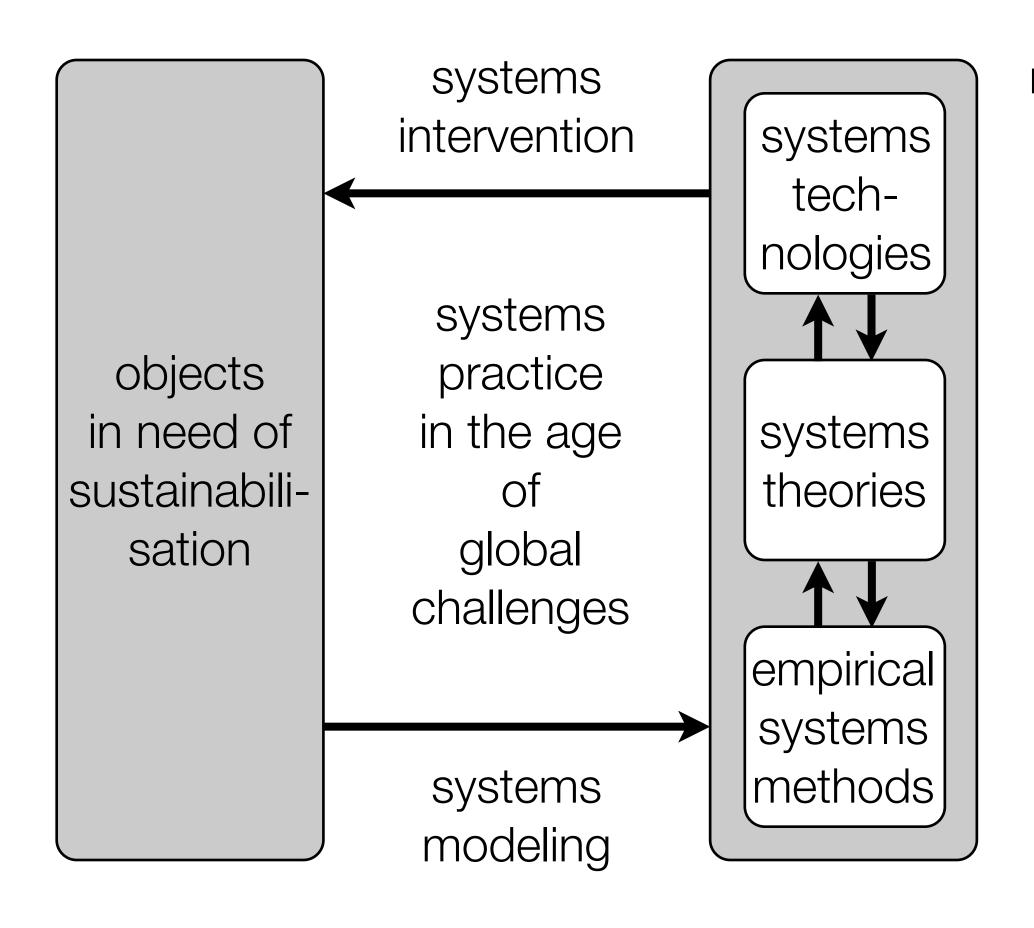
responsible response?

"strategy
in complexity":
(enable social systems to)
catch up with the
higher-order
complexity
of the systems
to be steered!



responsible response?

"emergent design" (processes, products; engineering, management): regard emergence as property of the higher-order complex systems to be steered!



responsible response? "sustainable development" (social systems): redefine sustainability as capacity of social systems to catch up with the higher-order complexity that ensues from their own development!