

Linking social, economic and ecological systems in the countryside: rural resilience

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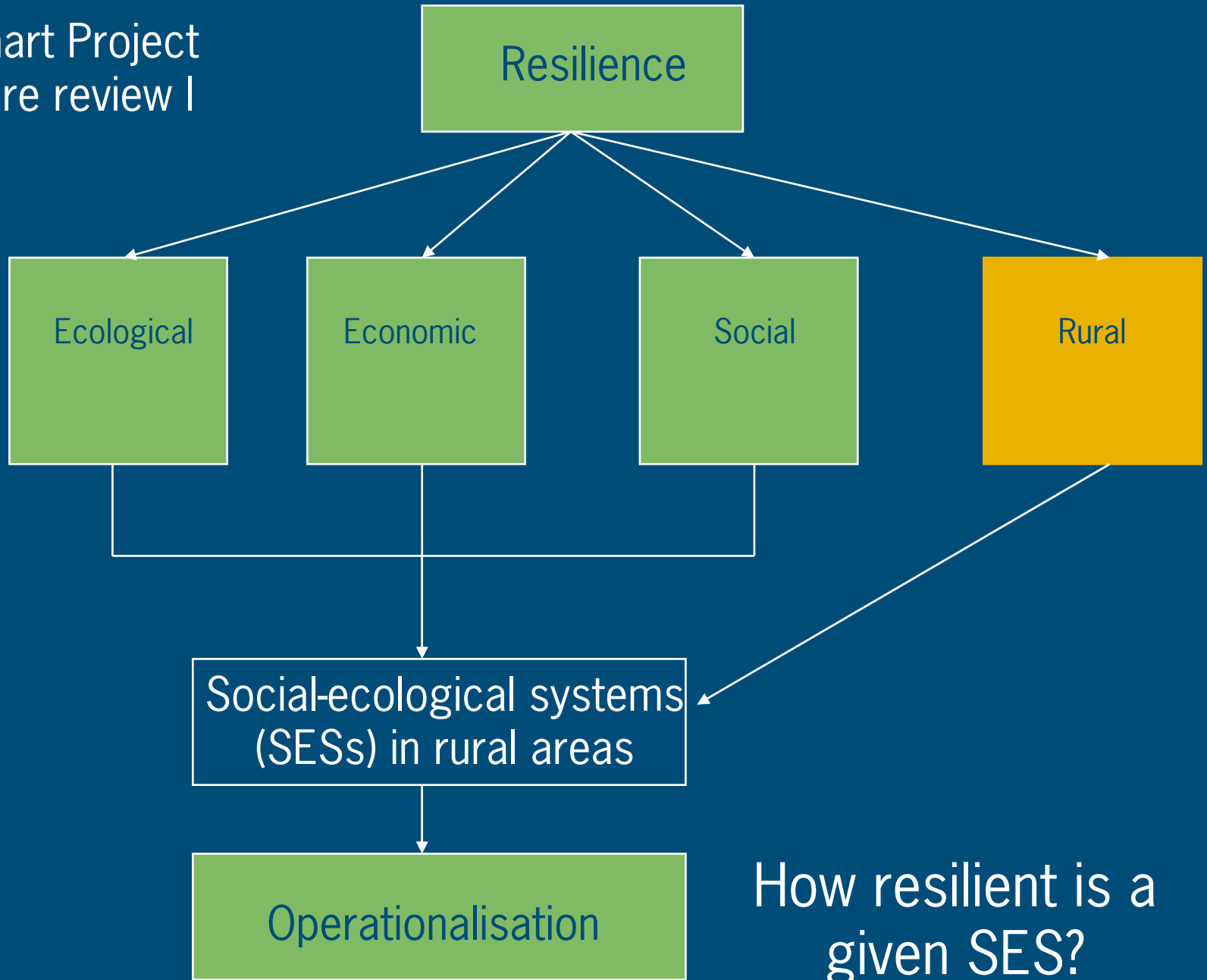
Objective

- Explore how the concept of rural resilience can be developed and implemented in spatial decision making on the planning and design of rural development
 - Developing an analytical framework for implementing, building and getting insight into rural resilience
 - Providing insight into the link between rural landscape planning and optimizing resilience by developing design tool for spatial decision making, based on rural resilience

Approach

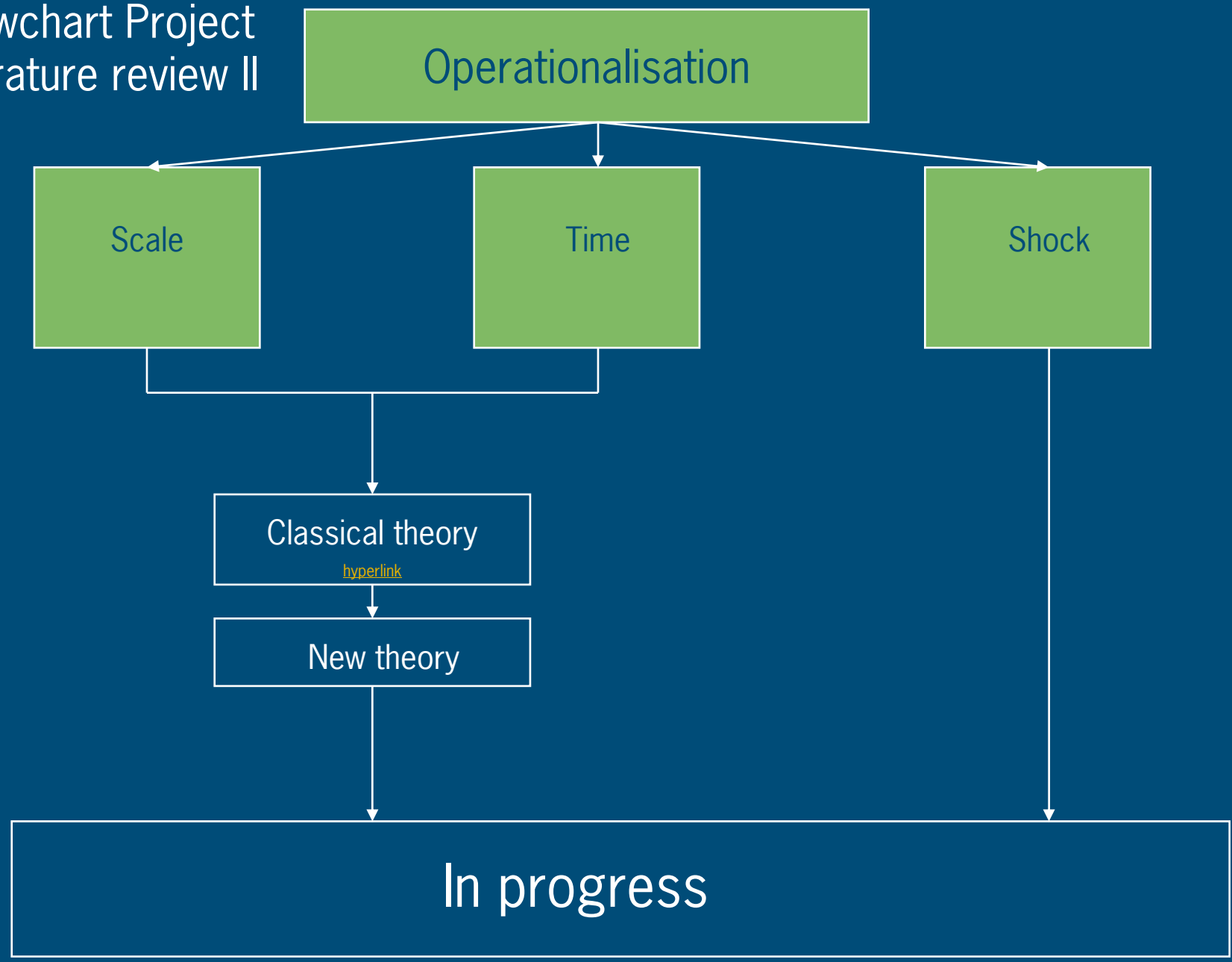
- Review of the (national and) international literature on resilience, its ecological, economic and social components and developing analytical framework for implementing, building and getting insight into resilience of SESs in rural areas (1st and 2nd year)
- Integration concept into interactive spatial planning models (i.e. RITAM) (2nd and 3rd year)
- Application of the model to case study areas (3rd and 4th year)

Flowchart Project
literature review I



How resilient is a
given SES?

Flowchart Project
literature review II



Literature gaps

- Few attempts done to measure social-ecological systems (only small scale, 2 actors)
- Including social indicators (i.e. social capital) in the instrument not done yet
- Resilience mainly measured in deterministic systems
- Only few attempts done to measure stochastic systems
- Methods for measuring complex non-linear systems characterized by multiple domains of attraction, not by one equilibrium

Challenge coming year

- Elaborate theoretical framework Rural Resilience
- Developing rural resilience instrument for measuring resilience in SESs in rural areas

Planned deliverables 2009

- Article: 'Rural Resilience: social-ecological systems in rural areas. Theory and prospects'
- Article: 'Measuring and applying resilience in social-ecological systems: the case of rural areas'

Questions and Comments

Thanks for your attention!

