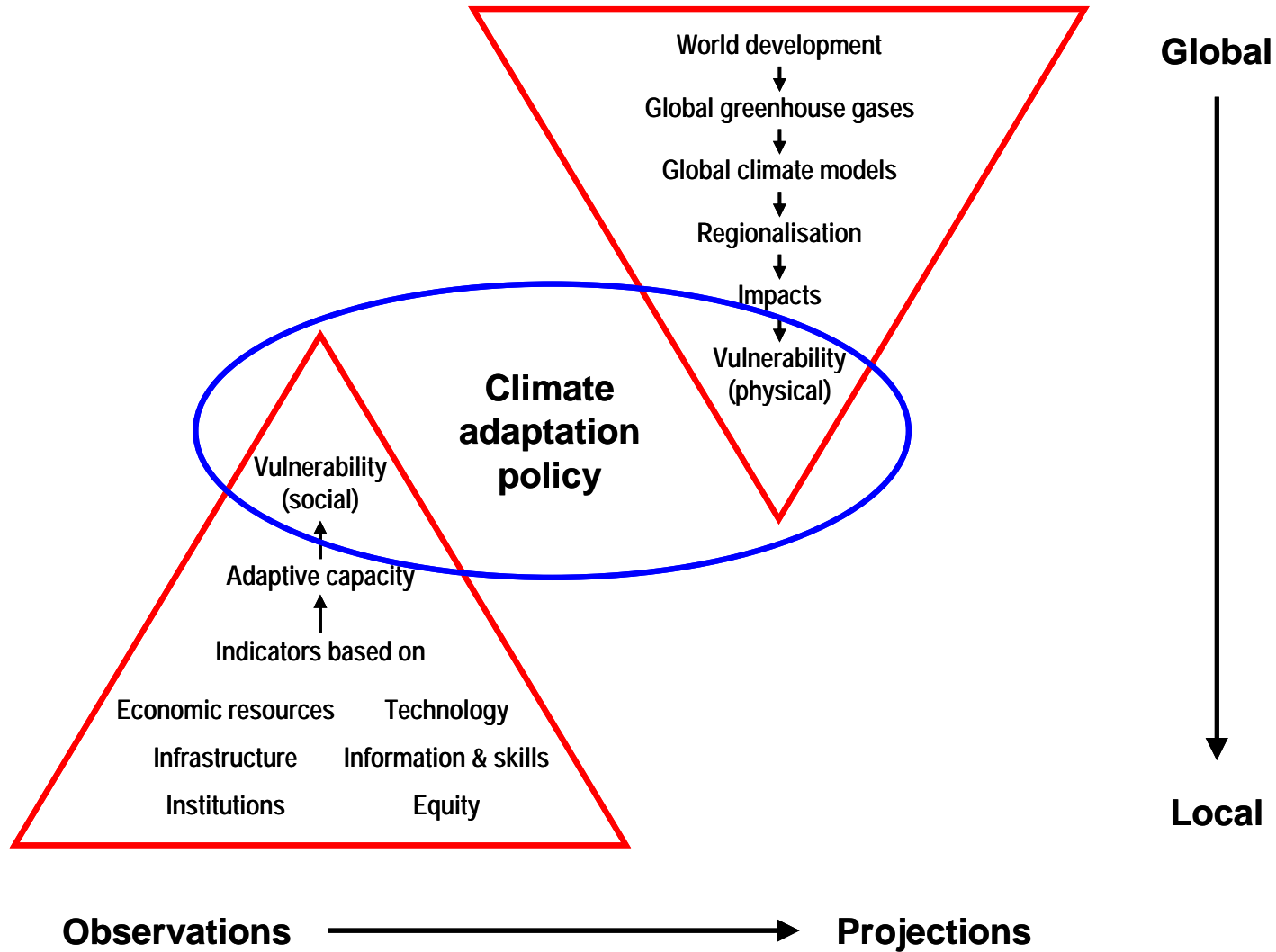


# Top-down and bottom-up research approaches on climate adaptation



**Logga**

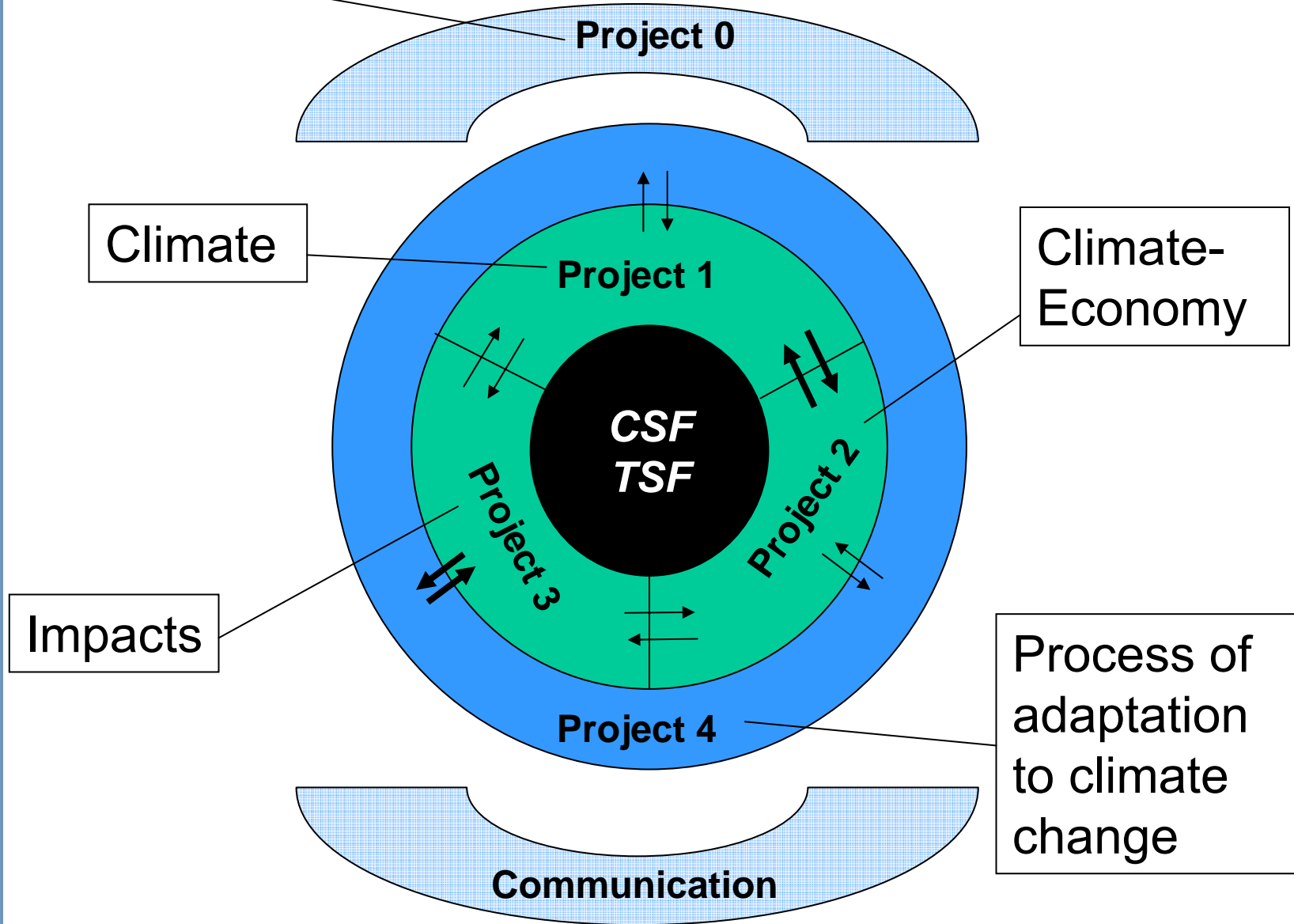
**SWEdish research programme on  
Climate, Impacts and Adaptation,  
Mistra-SWECIA**

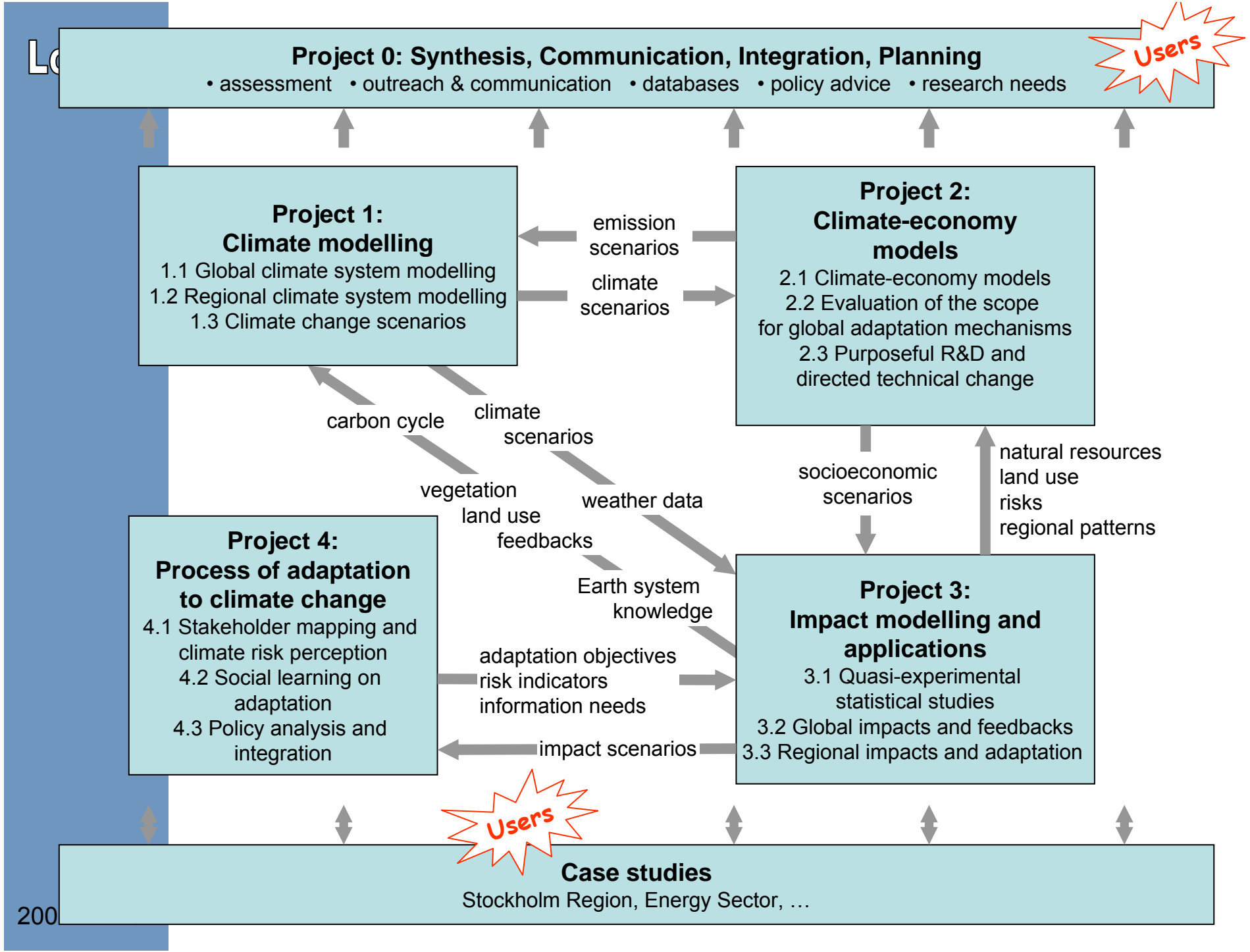
2007-10-19

## SWECIA in a nutshell

- A national research programme 2008-2011 +
- With research for adaptation & research on adaptation
- A Mistra-funded research programme:
  - research of strategic importance, of the highest international class
  - results of practical use in companies, authorities or other organisations
- Combines disciplines  
Multi → Inter → Trans

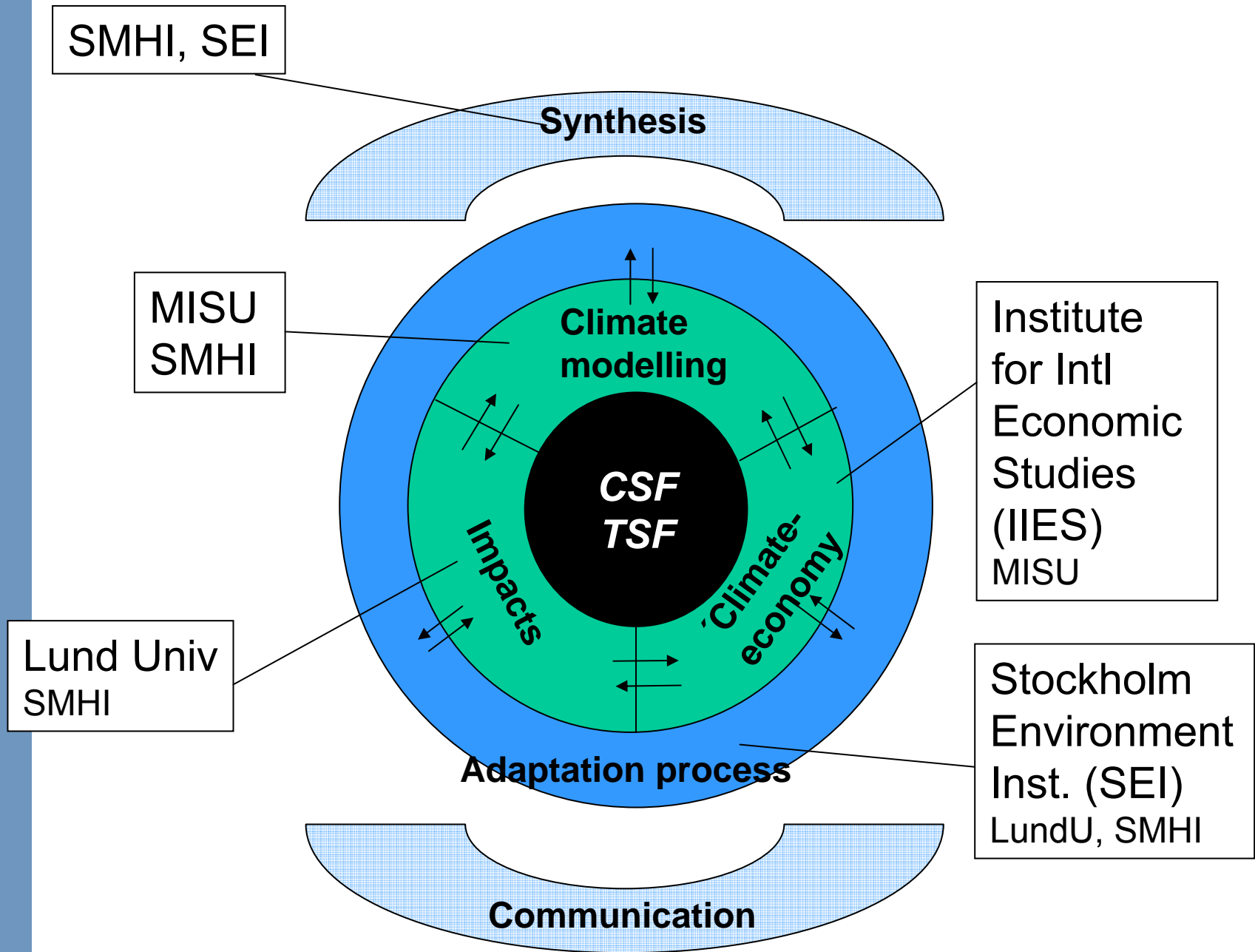
Planning, Synthesis and Integration





Lo

200



## SWECIA new science

- Coupling of climate, economics, impacts and decision-making in a (i) consistent and (ii) comprehensive framework for analyses on global, regional and local scale  
(Seamless prediction approach applied to climate, biology and economics)
- Mainstream user experience into climate, impacts and adaptation research, and *vice versa*
- Adaptation as an iterative process of social learning and decision-making based on improved knowledge

# Scientific deliverables Progr. phase 1 2008-2011

- Global and regional climate-economy model
- Regional “Earth System” model (RCA-GUESS)
- Global ESM (joint effort)
- Analysis of global impacts on ecosystem services
- New and improved global and regional climate-impact-economy scenarios
- Relevant support for adaptation decisions within the sectors/regions addressed
- A framework that combines climate information with experience in social learning and policy integration



# User deliverables Progr. phase 1 2008-2011

- User/stakeholder workshops, home page, Newsletter, Syntheses
- Participation in climate, impact and adaptation policy processes
- New and improved global and regional climate-impact-economy scenarios, in an on-line scenario database
- Mapping and analysis of adaptation processes (case studies)

## Contact

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