DeSIRE tenure track position #16: Governance of social-ecological-technical systems for improving resilience

University: Wageningen University & Research

Faculty: Social Sciences Group

Department: Department of Public Administration and Policy and Department of
                         Information Systems

Responsible Professor: Prof. Katrien Termeer (katrien.termeer@wur.nl)

Expected to open: September 2018

Description:
The resilience of social-ecological systems is also a question of governance. Governance is the art of making the system perform as desirable for the common good, while respecting democratic principles and people's free citizenship. Because social ecological systems are characterized by complexity and nonlinearity, traditional modes of governance, such as planning and control, are deemed ill-equipped to result in better and more resilient outcomes. However, to date, the field of resilience research, has largely been unsuccessful in capturing the complexity of governance processes, in particular cause–effects relationships. This project aims to open-up the black box of governance processes for socio-ecological systems. It aims to reveal how mechanisms (such as for example transparency, decentralization or frame polarisation) influence outcomes which contribute to the resilience of a social ecological system. The project will combine qualitative methods of process tracing with agent based modeling.

Postion in framework of the programme (please delete what is not applicable):
- Approaches/discipline:
  Process-tracing of governance mechanisms (Public Administration/Govenrance studies) and Agent Based Modelling (
- Scale/application area:
  Agri-Food

Synergy with other tenure track position(s):

Governing Resilience of RUBAN Metropolis (UT, BMS)
Flood Resilience (DUT, CEG)
Modelling and governance for the response to large-scale interruptions DUT, TPM)
Resilient supply chains (TU/e, IEIS)
Life course epidemiology: Modelling resilience (TU/e, MCS)