

ADAPTECONII - PROJECT 11

ADAPTECONII RESEARCH FOCUS

From a complex systems perspective, Marie's research addresses the effects of natural resource availability and allocation on conflict risk and cooperation possibilities through computational modelling. A first area of focus is the concept of critical natural resources and what this actually means for an environmentally and socially sustainable future. Secondly, she studies the value of environmental variables for conflict risk modelling, while comparing between a standard linear regression and complexity-based models. Lastly, she will explore more dynamic systemic modelling approaches to connect conflict risk and critical natural resources.

EXPERIENCE

Marie obtained a Bachelor of Science in Geography from KU Leuven University, Belgium, and a Master of Science in Geography, which is a jointly organised degree by KU Leuven and Free University Brussels (VUB). The programme emphasized understanding of both social and natural geographic phenomena and their interlinkages. Afterwards, she did an internship at UNESCO, department of Earth Sciences and Geohazard Risk Reduction, in Paris, which, among other responsibilities, included organising sessions at UNESCO Youth Forum and COP21. Right after the internship, she moved to Stockholm to start this PhD in March 2016.

KEYWORDS

- Critical natural resources
- Conflict and cooperation
- Conflict risk
- Complex systems modelling
- System dynamics and agent-based modelling

SUPERVISORS

PETER SCHLYTER
ASSOCIATE PROFESSOR
STOCKHOLM UNIVERSITY

HARALD SVERDRUP
PROFESSOR
UNIVERSITY OF ICELAND

TOMAS RIES
ASSOCIATE PROFESSOR
SWEDISH DEFENCE UNIVERSITY



MARIE SCHELLENS

PHD CANDIDATE
STOCKHOLM UNIVERSITY
UNIVERSITY OF ICELAND
SWEDISH DEFENCE UNIVERSITY

CONTACT

E-MAIL:
MARIE.SCHELLENS@NATGEO.SU.SE
WEBSITE: [HTTPS://ADAPTECON.WOR
DPRESS.COM/ABOUT/](https://adaptecon.worpress.com/about/)

LINKEDIN:
[HTTPS://BE.LINKEDIN.COM/IN/MARI
E-SCHELLENS-A74964A8](https://be.linkedin.com/in/marie-schellens-a74964a8)