

Stanford



Marius von Essen

Ph.D. Student in Earth System Science

Bio

BIO

Hi! I am a PhD Candidate in Eric Lambin's Land Change Lab and I'm interested in policies and governance mechanisms of land use. More specifically, I investigate if and how certain governance approaches can help to reduce the negative impacts of land use in the tropics while encouraging sustainable and fair use of natural resources. To address my research questions, I use multiple methods, including literature and document review, remote sensing, and modeling.

EDUCATION AND CERTIFICATIONS

- MS, Imperial College London , Conservation Science (2016)
- MS, Lund University , Environmental Studies & Sustainability Science (2015)
- BA, FOM University of Applied Sciences for Economics and Management , International Management (2011)

STANFORD ADVISORS

- Eric Lambin, Doctoral (Program)

SERVICE, VOLUNTEER, AND COMMUNITY WORK

- Co-Chair (June 2019)

PERSONAL INTERESTS

In my free time, I love to explore California's natural side through cycling, hiking, climbing, and backpacking. I always try to carry my camera to capture all the amazing sunsets, starry skies, landscapes, and critters out there (I have a sweet spot for all reptiles and amphibians). I also love a good book, listen to and play music, and make home made kombucha and sourdough bread.

You can check out my photography & art on my website vonessen.space or follow me on Instagram @m_vonessen.

For updates on my research and general stuff, follow me on Twitter @Mv_Essen

Research & Scholarship

CURRENT RESEARCH AND SCHOLARLY INTERESTS

My research focuses on jurisdictional approaches to sustainable resource use - a type of governance approach that has emerged over the past decade and is increasingly promoted by a range of stakeholders and implemented globally. Specifically, I am interested in what jurisdictional approaches are from a conceptual point of view and how they differ from alternative approaches to sustainable resource use. Further, I want to explore if jurisdictional approaches can be effective in achieving positive environmental and social outcomes and what factors determine their success. For this, I am developing an agent-based model that allows us to investigate the mechanisms and variables of jurisdictional approaches.

LAB AFFILIATIONS

- Eric Lambin (9/24/2018)

Professional

WORK EXPERIENCE

- Standards Manager - High Conservation Value Resource Network (6/1/2017 - 6/1/2018)
- Project Manager - Siemens AG (10/1/2011 - 7/1/2013)

Publications

PUBLICATIONS

- **Jurisdictional approaches to sustainable resource use** *Frontiers in Ecology and the Environment*
von Essen, M., Lambin, E. F.
2021
- **High pathogen prevalence in an amphibian and reptile assemblage at a site with risk factors for dispersal in Galicia, Spain** *PLOS ONE*
von Essen, M., Leung, W. M., Bosch, J., Pooley, S., Ayres, C., Price, S. J.
2020; 15 (7): e0236803
- **Valuing and mapping cork and carbon across land use scenarios in a Portuguese montado landscape** *PLOS ONE*
von Essen, M., do Rosario, I. T., Santos-Reis, M., Nicholas, K. A.
2019; 14 (3): e0212174