

Jan Jurjen Kuiper

Telephone: +46737078870
E-mail: jan.kuiper@su.se
Date of birth 14-05-1987
Family: Two children (2021; 2025)

[LinkedIn](#)
[ORCID](#)
[Google Scholar](#)
[Staff page](#)

Profile

Dr. Jan Kuiper is a researcher and teacher at the Stockholm Resilience Centre whose work focuses on social-ecological systems, scenario analysis, and water quality management. Dr. Kuiper has successfully led various research projects and supervised both PhD and MSc students. He has contributed to international sustainability initiatives such as the Natural Capital Project and the Intergovernmental Science-Policy Platform on Biodiversity and Ecosystem Services (IPBES) and brings a collaborative and integrative approach to his research and teaching. He currently co-leads the SRC theme 'Transformative Futures'.

Recent work experience

- 2019 – present **Researcher and theme leader**
Stockholm Resilience Centre, Stockholm University
Key responsibilities include:
- Lead Horizon Europe Water4All research consortium focused on transformative scenarios for water quality management.
 - Lead the BiosphereFutures database project (biosphereFutures.net) with over a 100 cases of social-ecological scenario planning to foster a community of practice; co-supervise a PhD student.
 - Co-lead an international research collaboration on sand and sustainability; co-supervise a PhD student.
 - Design and deliver lectures, seminars, and assessments for first and second cycle courses, with a focus on research design and methods.
 - Co-lead the Transformative Futures Theme, enhancing research capacity for early-career researchers and leading scientific publications on sustainability transformations and futures methods.
 - SRC Board Member (Alternate)
- 2017 – 2019 **Postdoctoral researcher**
Stockholm Resilience Centre, Stockholm University
Research exchange program between SRC and the Natural Capital Project (Stanford University) on social-ecological scenarios, supervised by Prof. Dr. Garry D. Peterson (SU), Dr. Albert Norström (SU), Dr. Anne Guerry (Stanford), Dr. Katie Arkema (Stanford). Key responsibilities:
- Fostered SRC's partnership in the Natural Capital Project through strategic social engagements and academic collaborations.

- Initiated the BiosphereFutures database of social-ecological scenario studies.

Curriculum Vitae

Advisory and honorary positions

- 2019 – 2023 **IPBES Fellow**
Task Force on Scenarios and Models of the Intergovernmental Science Policy Platform on Biodiversity and Ecosystem Services (IPBES).
 Appointed following a highly competitive global selection process.
- With a mandate to catalyze the development of scenarios and models that address IPBES's knowledge needs, I co-lead the development of the Nature Futures Framework (NFF), a flexible tool for developing scenarios and models of desirable futures for people and nature.

Education

- 2011 – 2016 **Doctoral Researcher**
Dept of Aquatic Ecology, Netherlands Institute of Ecology (NIOO-KNAW) & Aquatic Ecology and Water Quality Management Group, Wageningen University, The Netherlands
 Title PhD-thesis: 'Making eco logic and models work – An integrative approach to lake ecosystem modelling'. Supervisors: Prof. Dr. Wolf M. Mooij, Dr. Jan H. Janse, Dr. Jeroen M. de Klein.
- 2009 – 2011 **MSc in Environmental Biology**
Faculty of Science, Dept. of Biology, Utrecht University, The Netherlands
 GPA 4.0 (Cum Laude). Major research project: 'The importance of biodiversity for CO₂ sequestration in peatland ecosystems during climate change'. Supervisor: Dr. Bjorn M. Robroek
- 2006 – 2009 **BSc in Environmental Sciences**
Faculty of Geosciences, Copernicus Institute of Sustainable Development, Utrecht University, The Netherlands. GPA 3.3

Authorships, editorial assignments and peer-review

- 40+ authorships of scientific publications (Google Scholar: 2550 citations; h-index 27; i10-index 36) in leading journals such as *Nature Communications, Global Environmental Change, Ecology, American Naturalist, Ecology Letters, Annual Reviews of Environment and Resources, One Earth.*
- Guest Editor 2023-2024, *Sustainability Science* - Special Issue: Operationalizing the Nature Futures Framework to catalyze the development of nature-future scenarios.
- Reviewer of >5 manuscripts per year for a range of journals including: *Food Policy, Sustainability Science, Ecology and Society, Environmental Science & Policy, Ecosystems and People, npj Urban Sustainability, People and Nature.*
- Conference session organiser and moderator: *Resilience 2017 conference* (Stockholm); *PECS II conference 2017* (Oaxaca); *Natural Capital Symposium 2018* and 2019 (Stanford); *Society for Decision Making under Deep Uncertainty, 7th annual*

meeting 2019 (Delft); *Joint International Resilience Conference 2020* (Online); *PECS III conference 2024* (Montreal).

Curriculum Vitae

Research grants

- **Horizon Europe Co-funded Water4All Transnational Call on Aquatic Ecosystem Services** (2025–2028). *PLURALAKES - Co-creating desirable nature futures of temperate lakes* (5.7M SEK) – PI (Main Applicant)
- **FORMAS Project Grant for Early Career Researchers, Annual Open Call 2021** (2022–2027). *Sand in the Anthropocene: Risks and Opportunities for Global Sustainability* (4M SEK) - PI (Main Applicant)
- **FORMAS Mobility Grant for Early Career Researchers, Annual Open Call 2019** (2020–2024). *To use nature, to protect nature, or to be nature: That is the question* (4.5M SEK) - PI (Main Applicant)
- **FORMAS Planning Grant, Perspectives on the SDGs 2018** (2019–2020). *The futures we want: Exploring diverse, credible, and positive scenarios for navigating transformation under the 2030 Agenda* (1.9M SEK) - PI (Main Applicant)

Awards

- Modelling Complex Ecological Dynamics (MCED) Award for Innovative Contributions to Ecological Modelling 2016
- Netherlands Ecological Research Network Best Publication Award - 2nd place (2016)
- Production Ecology and Resource Conservation (PE&RC) graduate school Best Publication Award - 1st place (2015)

For the paper: Kuiper, J.J., Van Altena, C., de Ruiter, P.C., Van Gerven, L.P.A., Janse, J.H., Mooij, W.M., 2015. Food-web stability signals critical transitions in temperate shallow lakes. *Nature communications* 6. <https://doi.org/10.1038/ncomms8727>

Teaching leadership and supervision

- Course leader MSc course '*Resilience Reflections and Applications*' 2023, 2024.
- Course leader MSc course '*Urban Social-Ecological Systems*' 2020;
- Seminar leader BSc course '*Sustainability Science 1*' 2023, 2024.
- Returning lecturer in several courses of SRC's MSc program.

I co-supervise two PhD students, supporting their research on sustainability science, including transformative scenarios and the global sand crisis. At the graduate level, I have supervised six MSc degree projects—four completed and two ongoing—as well as research internships. In addition to supervision, I have served as an expert reviewer and committee member for a Licentiate thesis and reviewed two MSc theses. My commitment to mentoring extends to conducting ethics reviews for student and postdoctoral projects and contributing to teaching seminars, including navigating academia as a non-native language speaker.