

Stanford



Roy Paco Remme

Postdoctoral Research Fellow, Biology

Bio

BIO

I am a postdoctoral researcher at the Natural Capital Project and the Daily Lab, Biology. My research focuses on the importance of urban nature for human well-being and the spatial allocation of ecosystem services. My main focus is on the importance of urban ecosystems for recreation, physical activity, and the spatial distribution of urban biodiversity. I help develop spatial ecosystem service models for the InVEST model suite.

BOARDS, ADVISORY COMMITTEES, PROFESSIONAL ORGANIZATIONS

- Working Group lead, Ecosystem Service Partnership (2014 - present)

PROFESSIONAL EDUCATION

- Doctor of Philosophy, Landbouwniversiteit (2016)
- Master of Science, Landbouwniversiteit (2011)
- Bachelor of Science, Utrecht University (2007)

STANFORD ADVISORS

- Gretchen Daily, Postdoctoral Faculty Sponsor

LINKS

- Natural Capital Project: <https://naturalcapitalproject.stanford.edu/>

Publications

PUBLICATIONS

- **Key criteria for developing ecosystem service indicators to inform decision making** *ECOLOGICAL INDICATORS*
van Oudenhoven, A. E., Schroeter, M., Drakou, E. G., Geijzendorffer, I. R., Jacobs, S., van Bodegom, P. M., Chazee, L., Czucz, B., Grunewald, K., Lillebo, A. I., Mononen, L., Nogueira, A. A., Pacheco-Romero, et al
2018; 95: 417–26
- **Trees enhance soil carbon sequestration and nutrient cycling in a silvopastoral system in south-western Nicaragua** *AGROFORESTRY SYSTEMS*
Hoosbeek, M. R., Remme, R. P., Rusch, G. M.
2018; 92 (2): 263–73
- **Accounting for ecosystem assets using remote sensing in the Colombian Orinoco River Basin lowlands** *JOURNAL OF APPLIED REMOTE SENSING*
Vargas, L., Hein, L., Remme, R. P.
2017; 11
- **Exploring spatial indicators for biodiversity accounting** *ECOLOGICAL INDICATORS*
Remme, R. P., Hein, L., van Swaay, C. M.

2016; 70: 232–48

- **Effects of budget constraints on conservation network design for biodiversity and ecosystem services** *ECOLOGICAL COMPLEXITY*
Remme, R. P., Schroeter, M.
2016; 26: 45–56
- **Spatial prioritisation for conserving ecosystem services: comparing hotspots with heuristic optimisation** *LANDSCAPE ECOLOGY*
Schroter, M., Remme, R. P.
2016; 31 (2): 431–50
- **Accounting for Ecosystem Assets using Remote Sensing in the Colombian Orinoco River Basin lowlands**
Vargas, L., Hein, L., Remme, R. P., Michel, U., Schulz, K., Ehlers, M., Nikolakopoulos, K. G., Civco, D.
SPIE-INT SOC OPTICAL ENGINEERING.2016
- **Lessons learned for spatial modelling of ecosystem services in support of ecosystem accounting** *ECOSYSTEM SERVICES*
Schroeter, M., Remme, R. P., Sumarga, E., Barton, D. N., Hein, L.
2015; 13: 64–69
- **Progress and challenges in the development of ecosystem accounting as a tool to analyse ecosystem capital** *CURRENT OPINION IN ENVIRONMENTAL SUSTAINABILITY*
Hein, L., Obst, C., Edens, B., Remme, R. P.
2015; 14: 86–92
- **Monetary accounting of ecosystem services: A test case for Limburg province, the Netherlands** *ECOLOGICAL ECONOMICS*
Remme, R. P., Edens, B., Schroter, M., Hein, L.
2015; 112: 116–28
- **Developing spatial biophysical accounting for multiple ecosystem services** *ECOSYSTEM SERVICES*
Remme, R. P., Schroter, M., Hein, L.
2014; 10: 6–18
- **Ecosystem Services as a Contested Concept: A Synthesis of Critique and Counter-Arguments** *CONSERVATION LETTERS*
Schroter, M., van der Zanden, E. H., van Oudenhoven, A. E., Remme, R. P., Serna-Chavez, H. M., de Groot, R. S., Opdam, P.
2014; 7 (6): 514–23
- **Accounting for capacity and flow of ecosystem services: A conceptual model and a case study for Telemark, Norway** *ECOLOGICAL INDICATORS*
Schroter, M., Barton, D. N., Remme, R. P., Hein, L.
2014; 36: 539–51
- **How and where to map supply and demand of ecosystem services for policy-relevant outcomes?** *ECOLOGICAL INDICATORS*
Schroter, M., Remme, R. P., Hein, L.
2012; 23: 220–21