Helen Moor, PhD

Swiss Federal Institute of Aquatic Science & Technology (Eawag)
Department Systems Analysis, Integrated Assessment and Modelling
Überlandstrasse 133
CH-8600 Dübendorf, Switzerland
helen.moor@eawag.ch

Research interests

Bayesian hierarchical modelling to understand complex ecological processes across scales, while leveraging diverse data sources. Communication and application of research findings for sustainable adaptive ecosystem management, restoration and conservation.

Education and professional experience

2023-current	**Group leader**, *Swiss Federal Institute of Aquatic Science & Technology **Eawag**,* Department Systems Analysis, Integrated Assessment and Modelling, Dübendorf, Switzerland.
2022-2023	**Scientist**, *Swiss Federal Institute of Aquatic Science & Technology **Eawag**,* Department Systems Analysis, Integrated Assessment and Modelling, Dübendorf, Switzerland.
2020-2022	**Postdoc**, *Swiss Federal Institutes for Forest, Snow and Landscape Research **WSL** and Aquatic Science & Technology **Eawag***, Birmensdorf and Dübendorf, Switzerland. 'Blue-green infrastructure for blue-green lives: modelling use and colonization credit of an ecological infrastructure to inform evidence-based amphibian conservation.' Research Unit Biodiversity and Conservation Biology; Group leader: Dr. Ariel Bergamini
2017 –2020	**Postdoc**, *Swedish University of Agricultural Sciences **SLU***, Uppsala, Sweden. 'Biodiversa project GreenFutureForest - Impact of Future Forestry Scenarios on Metapopulation Dynamics of Wood-Decaying Fungi.' Development of hierarchical Bayesian metapopulation models to assess effects of future forest management scenarios on fungi. Program Research and Citizen Science Data; Group leader: Prof. Tord Snäll
2017	**Scientific consultant**, *Swedish University of Agricultural Sciences **SLU***, Uppsala, Sweden. 'Predicted forest beetle species distributions in Dalarna.' Contract research for green infrastructure planning, funded by the county administration of Dalarna. Program Conservation science; Group leader: Prof. Tord Snäll
2011–2016	**PhD in Natural Resource Management**, *Stockholm Resilience Centre **SRC**, Stockholm University*, Stockholm, Sweden. 'Function follows Form: Trait-based approaches to climate change effects on wetland vegetation and functioning.' Supervisor: Prof. Jon Norberg, Co-supervisors: Prof. Kristoffer Hylander, Prof. Regina Lindborg
2010–2011	**Research assistant**, *IfM-GEOMAR, Christian-Albrechts Universität*, Kiel, Germany. Development of a new method for staining bacterial extracellular polysaccharides.
2008–2010	**MSc Biological Oceanography**, *IfM-GEOMAR, Christian-Albrechts Universität*, Kiel, Germany.
2005–2008	**BSc Organismal Biology**, *University of Basel*, Basel, Switzerland.

Selected publications

In professional journals

2024   **Moor H**, Bergamini A, Vorburger C, Holderegger R, Bühler C, Bircher N & Schmidt BR. Building pondscapes for amphibian metapopulations. *Conservation Biology*, e14165.

2022   **Moor H**, Bergamini A, Vorburger C, Holderegger R, Bühler C, Egger S & Schmidt BR. Bending the curve: Simple but massive conservation action leads to landscape-scale recovery of amphibians. *Proceedings of the National Academy of Sciences of the United States of America PNAS.* 119(42): e2123070119. 10.1073/pnas.2123070119

2022   **Moor H**, Eggers J, Bradter U, Henckel L, Mazziotta A, Nordén J, Siitonen J & Snäll T. Rebuilding green infrastructure in a boreal production forest. *Journal of Applied Ecology.* 10.1111/1365-2664.14175

2021   Dawson SK, Carmona CP, Gonzalez-Suarez M, Jönsson M, Melero Y, **Moor H**, Simaika J & Duthie B. The traits of 'trait ecologists': an analysis of the use of trait and functional trait terminology. *Ecology and Evolution*, 11(23): 16434-16445. 10.1002/ece3.8321

2020   **Moor H**, Nordén J, Siitonen J & Snäll T. Long-term effects of colonisation-extinction dynamics of specialist vs. generalist wood-decaying fungi. *Journal of Ecology*. 109(1): 491-503. 10.1111/1365-2745.13526

2017   **Moor H**, Rydin H, Hylander K, Nilsson MB, Lindborg R, Norberg J, Towards a trait-based ecology of wetland vegetation. *Journal of Ecology* 105, 1623-1635. 10.1111/1365-2745.12734

2017   **Moor H**. Life history trade-off moderates model predictions of diversity loss from climate change. *PLoS ONE* 12(5): e0177778. 10.1371/journal.pone.0177778

Other recent publications

2023   **Moor H**, Holderegger R, Bergamini A, Schmidt BR & Vorburger C. Weiherbau stoppt Abwärtstrend bei Amphibien. *Aqua Viva*, 65(3), 8-11.

2022   **Moor H**, Gossner MM, Graham C, Hobi ML, Logar I, Narwani A, Reber U, Seehausen O, Holderegger R & Altermatt F. Besserer Biodiversitätsschutz in Blau-Grünen Ökosystemen. Des écosystèmes bleus-verts pour mieux protéger la biodiversité. *Nature + Paysage. Natur + Landschaft: Inside* (1), 25-29.

2022   **Moor H**, Gossner MM, Graham C, Hobi ML, Logar I, Matthews B, Narwani A, Seehausen O, Holderegger R & Altermatt F (2022). Blau-grüne Biodiversität ist ein wichtiger Teil des Waldes. Wald und Holz, 103(4), 30-33.

2021   **Moor H**, Gossner MM, Graham C, Hobi ML, Holderegger R, Reber U, Altermatt F, Logar I, Matthews B, Narwani A, Seehausen O & Shipley R. Biodiversitätsschutz dank Ökosystem-übergreifendem Denken. Forschungsinitiative Blau-Grüne Biodiversität (BGB). *Aqua & Gas*, 101(12), 44-49.