

## **Cluster hire of 12 Postdocs to work on the new Blue-Green Biodiversity (BGB2020) research initiative of Eawag and WSL**

The loss of biodiversity is, next to climate change, one of the biggest challenges humanity is facing. Research and action to reverse and mitigate the loss of biodiversity and associated ecosystem functions and services are thus crucially needed. In order to tackle this scientifically and societally urgent topic, the ETH Board has funded a research program on Blue-Green Biodiversity (BGB). Its goal is to strengthen interdisciplinary biodiversity research of WSL and Eawag in order to find answers to urgent social challenges of species loss as quickly as possible.

For the first round of calls, BGB2020 is now looking to fill twelve 1-year postdoc-positions. All of these positions will be set in a highly collaborative framework at both institutions, and tackle scientific projects for which data are at hand and can be readily used. Postdoctoral researchers will be hired to identify drivers of biodiversity patterns and dynamics in aquatic and terrestrial ecosystems. This effort should provide rapid output and visibility. A second phase and funding of the BGB initiative is foreseen for 2021–2024, and will provide additional postdoctoral opportunities.

Postdocs will be employed at WSL or Eawag and will profit from a highly dynamic and international research community in biodiversity, environmental and social sciences.

We invite interested candidates with a background and interest in biodiversity sciences, ecology, evolution or related fields to apply. Projects are fully funded for one year, and should start as soon as possible. Salary and benefits are very competitive. Candidates interested in multiple positions can apply for several projects, but should cross-reference this in their applications. Details about individual projects can be found at the respective links; questions can be addressed to the respective project leaders. Both WSL and Eawag offer unique research and working environment and are committed to promoting equal opportunities for women and men and to support the compatibility of family and work. For more information, see [www.wsl.ch](http://www.wsl.ch) and [www.eawag.ch](http://www.eawag.ch), respectively.

For more information on the BGB initiative, see: <https://www.eawag.ch/en/news-agenda/news-portal/news-detail/blue-green-biodiversity-a-new-research-initiative-of-eawag-and-wsl/>

### **For the following 12 Postdoc positions we are looking for competitive candidates:**

*Project 1 – The architecture of community structure, functional traits and trophic networks across blue-green ecosystems.*

Project lead: Prof. Dr. Florian Altermatt (Eawag) and Prof. Dr. Loïc Pellissier (WSL)

More info here: <https://apply.refline.ch/673277/0791/pub/1/index.html>

*Project 2 – Blue-green infrastructure for blue-green lives: modelling use and colonization credit of an ecological infrastructure to inform evidence-based amphibian conservation*

Project lead: Dr. Ariel Bergamini (WSL) and Prof. Dr. Christoph Vorburger (Eawag)

More info here: <https://apply.refline.ch/273855/1055/pub/1/index.html>

*Project 3 – Analysing recent developments in abundance, biomass and species richness of aquatic and terrestrial insects in Switzerland*

Project lead: Dr. Kurt Bollmann (WSL) and Dr. Nele Schuwirth (Eawag)

More info here: <https://apply.refline.ch/273855/1056/pub/1/index.html>

*Project 4 – Contrasting patterns and processes of biological invasions in blue versus green ecosystems*

Project lead: Dr. Eckehard Brockerhoff (WSL) and Dr. Marco Baity-Jesi (Eawag)

More info here: <https://apply.refline.ch/273855/1053/pub/2/index.html>

*Project 5 – Testing the generality of biotic homogenization by human impact in aquatic and terrestrial ecosystems*

Project lead: Dr. Martin M. Gossner (WSL) and Prof. Dr. Florian Altermatt (Eawag)

More info here: <https://apply.refline.ch/273855/1054/pub/1/index.html>

*Project 6 – Evaluating temporal community structure as a function of environmental variables acting at different scales*

Project lead: Prof. Dr. Catherine Graham (WSL) and Dr. Blake Matthews (Eawag)

More info here: <https://apply.refline.ch/273855/1057/pub/1/index.html>

*Project 7– How has Swiss biodiversity policy been performing over the last 30 years?*

Project lead: Prof. Dr. Felix Kienast (WSL) and Dr. Manuel Fischer (Eawag)

More info here: <https://apply.refline.ch/273855/1059/pub/4/index.html>

*Project 8 – Blue-green infrastructure for biodiversity enrichment in human-dominated landscapes*

Project lead: Prof. Dr. Max Maurer (Eawag) and Dr. Janine Bolliger (WSL)

More info here: <https://apply.refline.ch/673277/0790/pub/1/index.html>

*Project 9 – Warming-related community turnover in terrestrial and freshwater ecosystems*

Project lead: Dr. Anita Narwani (Eawag) and Dr. Christian Rixen (WSL)

More info here: <https://apply.refline.ch/673277/0793/pub/1/index.html>

*Project 10 – Global remotely sensed phenology: A unifying Essential Biodiversity Variable for assessing the linkage between aquatic and terrestrial ecosystems*

Project lead: Dr. Daniel Odermatt (Eawag) and Yann Vitasse (WSL)

More info here: <https://apply.refline.ch/673277/0795/pub/1/index.html>

*Project 11– Biodiversity assembly in blue and green ecosystems: speciation versus immigration*

Project lead: Prof. Dr. Ole Seehausen (Eawag) and Prof. Dr. Niklaus E. Zimmermann (WSL)

More info here: <https://apply.refline.ch/673277/0794/pub/1/index.html>

*Project 12 – Assessing richness differences between blue and green systems by quantifying biodiversity turnover along global gradients*

Project lead: Prof. Dr. Niklaus E. Zimmermann (WSL) and Prof. Dr. Ole Seehausen (Eawag)

More info here: <https://apply.refline.ch/273855/1058/pub/1/index.html>