

Upper Rhine Cluster for Sustainability Research

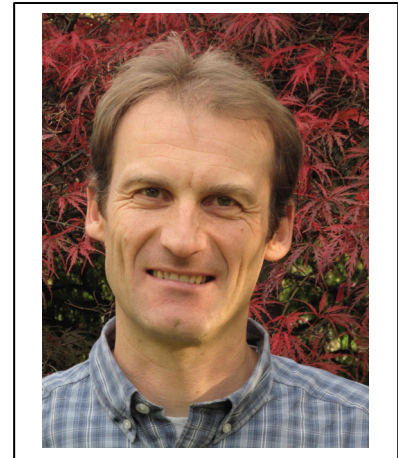
Researchers Profil

Name, Position & Affiliation

Prof. Dr. Michael Scherer-Lorenzen

Head of the Chair of Geobotany

*University of Freiburg, Faculty of Biology, Geobotany,
Schaenzlestr. 1, 79104 Freiburg*



Expertise in relation to the topics of the URCforSR (include max. 3 related and recent publications)

Global change ecology: How do drivers of global change affect biodiversity and ecosystem functioning?

Biodiversity and ecosystem functioning: What are the effects of changing biodiversity for ecological processes and ecosystem services?

VAN DER PLAS, F., MANNING, P., ALLAN, E., **SCHERER-LORENZEN, M.**, ET AL. (2016) *Jack-of-all-trades effects drive biodiversity-ecosystem multifunctionality relationships in European forests.* **Nature Communications** 7, 11109.

GROSSIORD C., GRANIER A., RATCLIFFE S., BOURIAUD O., BRUELHEIDE H., CHECKO E., FORRESTER D.I., DAWUD S.M., FINÉR L., POLLASTRINI M., **SCHERER-LORENZEN M.**, VALLADARES F., BONAL D. & GESSLER A. (2014). *Tree diversity does not always improve resistance of forest ecosystems to drought.* **Proceedings of the National Academy of Sciences**, 111, 14812-14815.

SCHERER-LORENZEN M. (2014). *The functional role of biodiversity in the context of global change.* In: Forests and Global Change (eds. Burslem D, Coomes D & Simonson W). Cambridge University Press Cambridge, pp. 195-238.

Special Interests in the topics of the URCforSR

*Topic 4 B: Sustainable management of production systems: How can we use biodiversity as a tool to design sustainable land use systems?
(Topic 4 C: Transboundary solutions for conflicts on ecosystem services)*

What you are searching for regarding the cooperation within the URCforSR

- *Exchange of ideas concerning Topic 4B: What do we already know? What examples do we have in the Upper Rhine region (e.g. experiments going on, study sites, etc.)?*
- *Potentials for future, new projects on the topic, incl. funding.*