The Biodiversity Exploratories: a Long-term and Large-scale Project for Functional Biodiversity Research











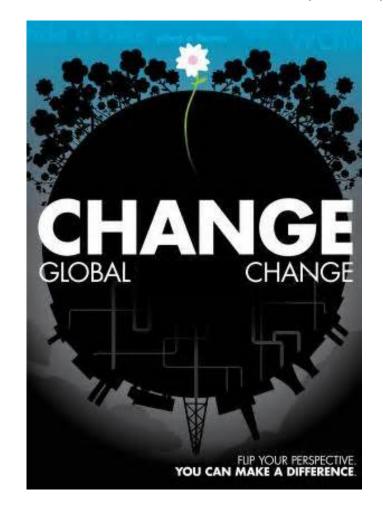


Globally, land use change and intensification is the greatest cause of biodiversity loss.

Sala *et al*. (2000)

Land use change is a nonlinear, dynamic and transformative process, having multiple dimensions in space and time. Thus consequences of land-use change are hard to predict.

German National Committee on Global Change Research (NKGCF)2008



The Biodiversity Exploratories



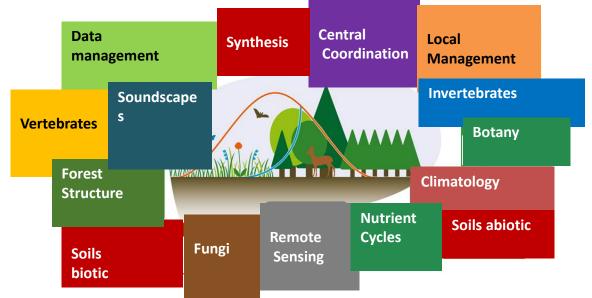






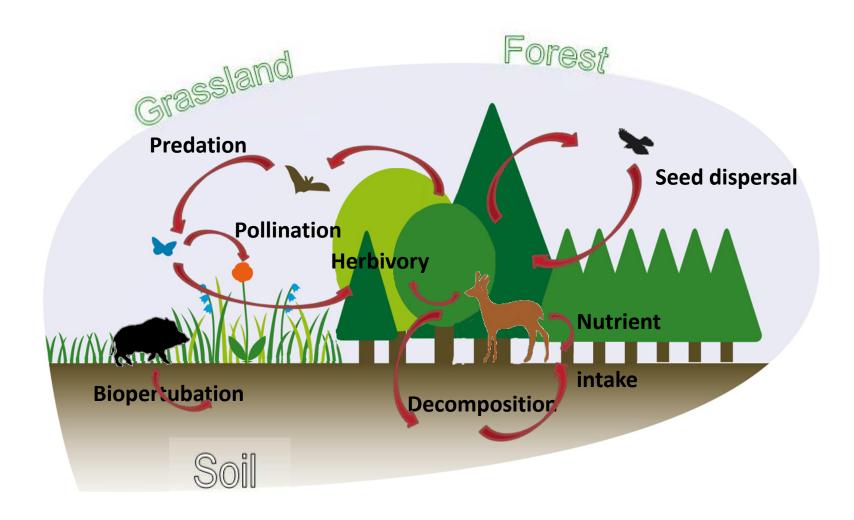


In the Biodiversits-Exploratories project scientists from various fields of biology are investigating the cause-and-effect relations of land-use on biodiversity, species interactions and resulting ecosystem services, both by monitoring as well as experiments.



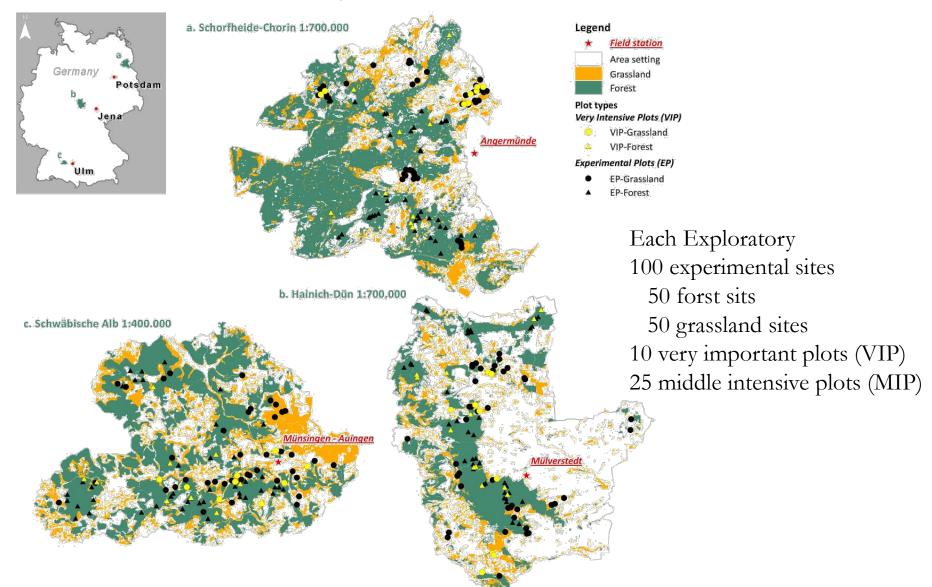
The Biodiversity Exploratories







Three research areas for functional biodiversity research in Germany



Research sites along a land use gradient





Land use intensity











Local management teams as main coordinators and collectors of Environmental variables





Climate stations temperature, humidity

- wind speed and direction
- solar radiation
- precipitation
- land use (e.g., mowing, fertelization, grazing)
- tree harvesting (forests)
- dead wood

The Biodiversity Exploratories



2006: granted by the German Science Foundation (DFG)

2007: Implementation of the research areas

("Exploratories")

2008: Implementation of 300 research sites and start of

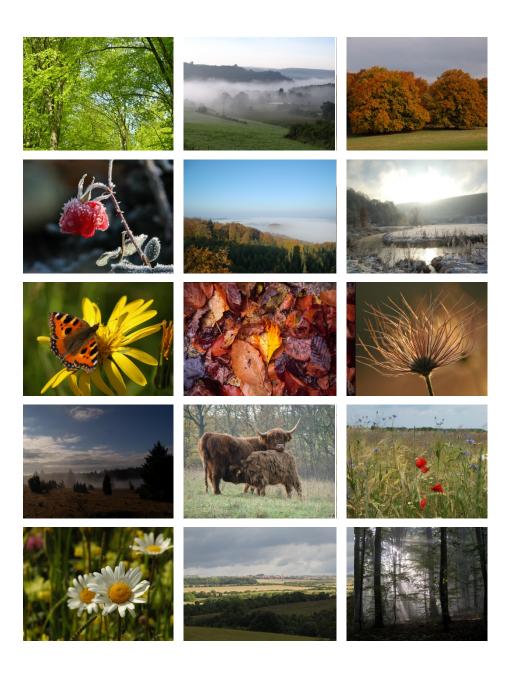
first projects



Zentralprojekte	Zer	ntralprojekte	Zentralprojekte	Zentralprojekte	
Flächensuche und -au Aufbau der zentralen Da Aufbau eines Langzeitmo	itenbank,	Erfassung von Diversität und Ökosystemprozessen Vielfach replizierte Experimente Interdisziplinäre Datensynthese			
	Wei	tere Projekte	Weitere Projekte	Weitere Projekte	
: Juni 2006	: Februar 2008	Februar 2	2011 Feb	: oruar 2014	Februar 2017

Science with long term perspective

New phase of the project will start in March 2020 with potentially ~ 40 new projects



Thank you!

www.biodiversity-exploratories.de

https://www.biodiversityexploratories.de/1/open-positions/

new funding period starting in March 2020