

## Simon Scheiter - Curriculum Vitae

### Education and employments

- Since 3/2015      **Emmy Noether group leader**, Senckenberg Biodiversity and Climate Research Centre, Frankfurt am Main  
**Theme:** “Biodiversity and ecosystem services in the Earth system”
- Since 3/2014      **Senior scientist**, Senckenberg Biodiversity and Climate Research Centre, Frankfurt am Main
- 2/2009 – 2/2014      **Post-doctoral researcher**, Senckenberg Biodiversity and Climate Research Centre, Frankfurt am Main
- 7/2009              **PhD**, Technical University of Munich  
**Thesis:** „Grass-tree interactions and the ecology of African savannas under current and future climates”, Supervisor: Prof. Dr. Steven Higgins
- 11/2007 – 1/2009      **Research fellow and PhD student**, Department of Physical Geography, Goethe University Frankfurt am Main
- 8/2004 – 10/2007      **Research fellow and PhD student**, Chair for Vegetation Ecology, Technical University of Munich
- 11/1998 – 4/2004      **Studies of Technomathematics**, Technical University of Munich

### Selected publications

Langan L; Higgins SI; Scheiter S (2017) Climate-biomes, pedo-biomes or pyro-biomes: which world view explains the tropical forest - savanna boundary in South America? *Journal of Biogeography*, **44**, 2319-2330.

Scheiter, S.; Langan, L.; Higgins, S.I. (2013) Next generation dynamic global vegetation models: learning from community ecology. *NEW PHYTOLOGIST*, **198**, 957-969.

Higgins, S.I. & Scheiter, S. (2012) Atmospheric CO<sub>2</sub> forces abrupt vegetation shifts locally, but not globally. *NATURE*, 488, 209-212.

Scheiter, S. & Higgins, S.I. (2009). Impacts of climate change on the vegetation of Africa: an adaptive dynamic vegetation modelling approach (aDGVM). *GLOBAL CHANGE BIOLOGY*, **15**, 2224-2246.

Scheiter, S. & Higgins, S.I. (2007). Partitioning of root and shoot competition and the stability of savannas. *AMERICAN NATURALIST*, **170**, 587-601.