

Volker Grimm at iDiv

Dear all,

We are happy to announce that Volker Grimm is visiting iDiv as a guest of the Scientific Coordination. On Wednesday, **21 February 2018, 12.30 pm** he is giving a talk at the BBZ rooms 1.1 and 1.2:

Individual-based ecology and modelling in biodiversity research: Why, how, and where to?

The structure and dynamics of ecological systems emerges from the behaviour of individual organisms and their interactions with each other and their abiotic environment. This does not necessarily imply that all ecological theory and application has to go all the way down to the individual, but it means that it cannot be excluded from the outset that individuals matter. I will summarize arguments and examples (e.g., vultures, tigers, honeybees, grasslands) for including the individual-based perspective into ecology and biodiversity research. I will demonstrate how this perspective can be implemented using individual/agent-based models and how this approach matured over the last decade. Finally, I will argue that ecological theories need to be cross level by taking into account the mutual link between the individual's and the system's perspective.

For more information, please contact Rebecca Thier-Lange (rebecca.thier-lange@idiv.de).



Volker Grimm is deputy head of the Department of Ecological Modelling at the Helmholtz Centre for Environmental Research – UFZ, Professor for Theoretical Ecology at the University of Potsdam and iDiv member.

More information: <http://www.ufz.de/index.php?en=36522>

