



University of Natural Resources
and Life Sciences, Vienna
Department of Integrative Biology
and Biodiversity Research

Ecological theory and agroecology: educating the intuition for real world application

John Vandermeer & Ivette Perfecto

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BOKU guest professor in April 2015

John Vandermeer and Ivette Perfecto are distinguished agroecologists, combining rigorous scientific analysis and ecological theory with the reality of agricultural systems.

Content: Their course will discuss recent advances in theoretical ecology and the way they serve the development of intuition for the design of agricultural systems. Topics will include spatial pattern formation and its impact on pest control, qualitative expectations of pathogens, cascades of indirect interactions, trophic structure, dynamic stability of systems and predicting agroecosystem regime changes.

Aim: Participants learn to appreciate agricultural systems as ecosystems and understand how ecological theory and models can be applied in the real world.

The **format** will be lectures and discussions (VS, 2 SWS / 2 ECTS)

Time: 20. – 30. April 2015, 15:00 – 17:00, (16:00 – 18:00 on Wed.)

Place: Seminarraum D2.9.15 (Alte WU, Augasse 2-6)

For information, contact peter.hietz@boku.ac.at

