CSIC
CONSEJO SUPERIOR DE INVESTIGACIONES CIENTÍFICAS

INSTITUTO DE AGRICULTURA SOSTENIBLE IAS 25 AÑOS 1992/2017

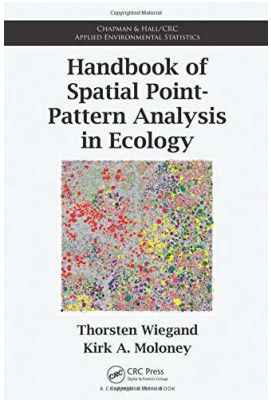
Jueves 7 de septiembre de 2017, 12:00 horas
Sala de Conferencias del Instituto de Agricultura Sostenible, CSIC

Dr. Thorsten Wiegand

"Towards a spatial theory of biodiversity"

T. Wiegand is a theoretical ecologist from the Helmholtz Centre for Enviromental Research – UFZ (Leipzig, Germany) with more than 25 years research experience in question-driven research in biodiversity and conservation. He serves as subject editor of Ecography and Oikos, and in the editioral board of Landscape Ecology. Over the last 6 years he was PI of the ERC advanced grant project "SPATIODIVERSITY".

Wiegand´s research centers broadly on spatial ecology and the investigation of the role of species interactions, spatial processes and structures for population and community dynamics, community assembly, and biodiversity. He is working in close collaboration with field ecologists to conduct model-data integration and synthesis. The primary research goals are to broaden the theory of population and community ecology and to integrate them with landscape ecology to encompass an explicit consideration of spatially distributed processes, and to develop methods to adapt individual-based simulation models optimally for ecological applications. The broad objective of the "SPATIODIVERSITY" ERC project is to advance the understanding in one of the biggest and most persistent challenges in contemporary ecology: to explain the high diversity in ecological communities such as tropical forests.



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