

**PhD position in integrated land-change science:
Analysis of land-system transitions at the national scale in
a long-term socio-ecological research (LTSER) approach**



The Institute of Social Ecology, Vienna (www.aau.at/socec) at the Alpen-Adria-Universität Klagenfurt – Wien – Graz, invites applications for a PhD position in integrated land system science.

The PhD project is dedicated towards the empirical assessment of national long-term land-use change trajectories, for one or more countries or regions. It will systematically study the links between socioeconomic and ecological drivers, the demand and provision of ecosystem services, the interplay of land use expansion and intensification, and the impacts of land use on socioecological patterns and processes, such as NPP and its human appropriation, carbon stocks and soil nutrient balances over time. A centennial time frame allows studying changes in technology regime and will thus allow gaining insights in the constraints and opportunities that enabled and confined land-use transitions over the past centuries.

Funding and research context will be provided by the EU-FP7 project VOLANTE – ‘Visions of Land Use Transitions in Europe.’ VOLANTE aims to gain better understanding of the processes underpinning land use change in Europe, to exploit assessment tools that are capable of identifying critical pathways for land management in a variety of environmental and management regimes across Europe, and to provide insight into the role of land management decisions on future sustainability.

We seek a candidate with an above-average MSC degree (or equivalent) in Ecology, Geography, Soil Science, Agricultural Economics, Macro-Economics, Sociology, or related fields and specializations or trainings in one of the following fields: Environmental Research, Sustainability Science, Ecological Economics, Resource Economics, Industrial Ecology, and Global Environmental Change.

We expect a strong interest in land-system science, and prior research experience in land-use science. Experience with spatial analysis and GIS is not required but would be an asset. Skills in acquiring, handling and interpreting large datasets are required. The ideal candidate would be a motivated, enthusiastic and independent researcher with an affinity to interdisciplinary research settings and team work, good communication skills, excellent research and publication skills, proven by past accomplishments.

Applications and inquiries should be sent to karlheinz.erb@aau.at and helmut.haberl@aau.at. Applications should include a curriculum vitae, statement of research interests and expertise, and names, addresses, phone numbers, and email addresses of at least two references. The 36 month position is available from now on and will remain open until filled. Salary/working conditions follow the guidelines of the Doctoral School at the Institute of Social Ecology.