

**Karlheinz Erb**

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**CURRENT PROFESSIONAL INTERESTS**

Interactions between humans and global environmental systems; Land system science, Interrelations of socio-economic material and energy flows and land use; Land use and land-cover change; Quantifying and mapping land-use intensity and intensity changes; Land use and food security; Impacts of land use on ecosystem structures and functioning; Land use - climate system – food security nexus; Forest uses; Land use and biodiversity; Methods of carbon accounting; Teleconnections in the global land system; Land-use indicators.

**EDUCATION AND ACADEMIC QUALIFICATION**

2008 **Habilitation (*venia docendi*)** in Social Ecology at the Klagenfurt University (Institute of Social Ecology).  
 2003 **Doctorate** in ecology (Dr. rer. nat.) at the University of Vienna, faculty of natural sciences.  
 1999 **Master** of Science (Mag. rer. nat.) in ecology at the University of Vienna, faculty of natural sciences.

**PROFESSIONAL POSITIONS**

since 2009 **Associate Professor** for Land use and Global Change at the Alpen-Adria Universitaet (Klagenfurt-Vienna-Graz), Institute for Social Ecology (SEC)  
 2008 **Project coordinator** at the Potsdam Institute for Climate Impact Research (PIK), Potsdam, Germany  
 2000 - 2008 **Research fellow** at the Institute of Social Ecology, Vienna, Faculty for Interdisciplinary Studies (iff), Klagenfurt University. Assistant coordinator of the research domain "Land Use Research".  
 1997 – 1999 **Freelance researcher** at the Department of Social Ecology, Institute for Interdisciplinary Studies at Austrian Universities, Vienna

**INTERNATIONAL SOJOURNS**

2005 Research sojourn at the Potsdam Institute for Climate Impact Research (PIK), Potsdam, Germany. Contact: Prof. Dr. Wolfgang Lucht, Dr. Alberte Bondeau, Prof. Dr. Wolfgang Cramer.  
 2004 Visiting research fellow at University of Leeds, (UK), School of Earth and Environment. Contact: Prof. Dr. Sigrid Stagl, Prof. Dr. Klaus Hubacek.

**MEMBERSHIP IN INTERNATIONAL ASSOCIATIONS**

Since 2016 Member of the Publication Commission of the mathematical-natural science class at the Austrian Academy of Sciences  
 Since 2015 Member of the Commission for Interdisciplinary Ecological Studies (KIOES) at the Austrian Academy of Sciences  
 Since 2012 Member of the advisory board on Geographic Information Science at the Austrian Academy of Sciences  
 Since 2012 Member of the National Committee on Global Change at the Austrian Academy of Sciences  
 Since 2011 Member of the Young Curia (Junge Kurie) at the Austrian Academy of Sciences  
 Since 2006 Member of the Commission on Ecosystem Management (CEM) at The World Conservation Union (IUCN).

2010 - 2016	Member of Scientific Steering Committee of the Global Land Project (GLP)
2004 – 2009	Member of the National Account Committee of the Global Footprint Network.

#### **EDITORIAL BOARDS**

Since 2015	Ecological Economics, editor
Since 2014	Journal of Land Use Science, editorial board member
Since 2012	Dataset Papers in Ecology, editorial board member

#### **AWARDS**

2010	ERC Starting Independent Researcher Grant, by the European Research Council (Project LUISE “Land Use Intensity from a Socio-Ecological perspective”), 2010 – 2015)
2002	IHDP-Dissertation Concept Award 2002, by the Austrian Committee of the International Human Dimensions Programme on Global Environmental Change (IHDP).

#### **REVIEW ACTIVITY**

Scientific Journals:	Agricultural Systems, Biomass and Bioenergy, Ecological Economics, Ecological Modeling, Ecological Indicators, Environmental Management, Environmental Research Letters, Journal of Industrial Ecology, Land Use Policy, Journal of Land Use Science, International Journal of Global Environmental Issues, Resources, Conservation & Recycling, Land Degradation and Development, Regional Environmental Change, Sustainability, Global Change Biology, Nature, Proceedings of the National Academy of Sciences of the USA.
Funding agencies	FORMAS (The Swedish Research Council)- Panels “bioeconomy” and “natural resources; ERC Starting and Consolidator Grants,

#### **PUBLICATIONS**

Since 2001	>90 articles in peer-reviewed journals (among others in <i>Science</i> , <i>Proceedings of the National Academy of the USA</i> , <i>Global Change Biology</i> , <i>Ecosystems</i> , <i>Global Environmental Change</i> , <i>Journal of Land Use Science</i> , <i>Journal of Industrial Ecology</i> , <i>Environmental Research Letters</i> , <i>Nature Climate Change</i> ). >25 book chapters in edited volumes
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