

## Dr. Veronika Gaube

Curriculum Vitae August 2014

Private address: Hovenweg 29/Haus 1, 1220 Vienna

Office address: Schottenfeldgasse 29/5, 1070 Vienna

Phone: +43 1 5224000/414

Email: veronika.gaube@aau.at

Homepage: <http://www.uni-klu.ac.at/socec/inhalt/769.htm>

### *Education, academic qualifications and personal data*

- High school diploma 1992 (BRG Wien 22), Graduate Studies in “Veterinary Medicine” at the Vienna U. of Veterinary Medicine (1992-1995), Graduate Studies in “Ecology” at the U. of Vienna (1995-2002) with courses at the U. of Vienna, Vienna U. of Economics and Business Administration, and the U. of Natural Resources and Applied Life Sciences
- Master thesis “Social nitrogen flows of the Austrian agrarian sector 1950-1995, A socio-ecological study.” 2002
- Participant at the first Alternet Summerschool “Ecosystem Services and Biodiversity” (27.8.2006 – 8.9.2006, Peyresque, France)
- Doctoral Studies in Social Ecology at the U. of Klagenfurt (2004-2009); Doctoral thesis: Regionale Umsetzung des Nachhaltigkeitskonzeptes – eine methodische Herausforderung: Empirische Untersuchungen zu Landnutzung und nachhaltiger Entwicklung in Regionen Österreichs mit Hilfe von „Institutionenanalyse“ und „Integrierter Modellierung“, Sammeldissertation: Alpen-Adria U. Klagenfurt. 2009

### *Professional history*

- 2004 – 2014 Permanent researcher and lecturer at the **Institute of Social Ecology**, Faculty of Interdisciplinary Studies, Klagenfurt U.
- 2003 – 2004 Researcher and lecturer at the Institute of Social Ecology, Faculty of Interdisciplinary Studies, Klagenfurt U.
- 2001 – 2003 Researcher at the Institute of Environment and Economics, Vienna U. of Economics and Business Administration

### *Research themes*

- **Decision processes and land use changes** and their interlinkages on the local and regional level with a focus on institutions; integrating socioeconomic and ecological parameters in land use models, material, energy and substance flow assessments for agricultural and urban systems using Spatially explicit (GIS) models, dynamic system models and material, energy and substance flow assessments.
- **Long-term socio-ecological research (LTSER)** focuses on conceptual and empirical issues on nature – society interactions with a perspective on a long period of time (history)

as well as future). It's a multi-scale endeavour that includes local, regional and global studies as well as the interlinkages between these scales with a participatory approach

- **Biophysical indicators of land-use intensity for quantifying** and mapping human impacts on biomass flows in ecosystems (HANPP)

#### *Teaching experience*

2013 – to date	Master's thesis and doctoral students seminar
2012 – to date	“Mathematical modelling: System-dynamics and Agent-based modelling” Institute of Social Ecology, Klagenfurt U..
2010	“Land use change simulation I und II” (2 seminars), Institute of Geography and Regional Research, Klagenfurt U.
2009	“Land use changes in Austria: socio- economic drivers and biophysical processes”, Institute of Geography and Regional Research, Klagenfurt U.
2009, 2011, 2013	“Project seminar: Indicators of a sustainable agriculture, Institute for Organic Farming, U. of Natural Resources and Applied Life Sciences, Vienna
2008 – to date	“Land use and agriculture: Socioeconomic drivers for changes in landscape” Institute of Social Ecology, Klagenfurt U..
2005 – to date	“Socioecological methods: Material- and Energy flows and Sustainable Development” Institute of Social Ecology, Klagenfurt U..
2005	“Ring-Vorlesung Soziale Ökologie”. Institute of Social Ecology, Klagenfurt U.

Supervision of 3 Master thesis completed

Currently supervision of 6 Master

#### *Selection of Research projects*

- 2004 – 2006 “Global human appropriation of net primary production, 1700-2000” (FWF)
- 2004 – 2006 PartizipA – Socio-economic Transformation processes towards Sustainability” (KLF)
- 2005 – 2008 LTSER Eisenwurzen: Long-Term Socio-Ecological Research Eisenwurzen: An integrated actors/land use/material flow model of Reichraming, Austria (BMBWK)
- 2008 – 2009 Alter-Net: Longterm socio-ecological research (EU FP 6)
- 2008 – 2010 SUME - Sustainable Urban Metabolism for Europe (EU FP 7)
- 2008 – 2011 Analyzing global HANPP (FWF)
- 2010 – 2014 Urban Time and Energy Use (FWF Translational)
- 2010 – 2014 Visions of Land Use Transitions in Europe (EU FP7)
- 2010 – 2015 An integrated socioecological approach to land-use intensity: Analyzing and mapping biophysical stocks/flows and their socioeconomic drivers (EU, ERC Starting Grant)
- 2012 – 2016 Alisen - Analysing linkages of socioecological nitrogen flows (FWF Elise Richter)

*Memberships, Awards, Authorship in Assessment Reports*

- Current Member of the executive board of LTER Austria
- Lead author for Chapter 2 in Volume 3 ('Adaptation to and mitigation of climate change in agriculture, forestry, water and ecosystems') of the Austrian Assessment Report 2014 (AAR2014) of the Austrian Panel on Climate Change (APCC), 2011-2014
- 2012: Elise Richter Grand (FWF)
- 2009: Student Award: „Material- und Energieflüsse und nachhaltige Entwicklung: Konzepte sozialökologischer Methoden“, Alpen-Adria Universität Klagenfurt, SS 2009 (August 2009)
- 2008: Award of the Rector's Office, of Viennas U. of Economics and Business for the excellent scientific publication: Sedlacek, Sabine, Gaube, Veronika: Nachhaltige Regionalentwicklung - Die Rolle regionaler Institutionen in Österreich *Zeitschrift für angewandte Umweltforschung* 18 (1): 113-132, 2007