

Curriculum Vitae of

Dr. Maria Niedertscheider



■ Personal Information

Name	Dr. Maria Niedertscheider
Phone	+43 1 5224000 342
e-mail	Maria.Niedertscheider@aau.at
Current position	Researcher, Institute of Social Ecology (SEC), IFF-Vienna, Alpen-Adria University Klagenfurt, Austria

■ Education

2011 – 2016	Doctoral Studies in Social Ecology Institute of Social Ecology (SEC), IFF-Vienna, Alpen-Adria University Klagenfurt, Austria
2014 – 2015	Academic certificate for Geoinformatics with highest honours at University of Salzburg (UniGIS Professional course)
2004 – 2010	Master of Science in „Ecology“, with highest honours , University of Vienna

■ Professional Experience

- **Researcher at the Institute of Social Ecology (SEC)**, IFF-Vienna, Alpen-Adria) University Klagenfurt, Austria. Since October 2010 - ongoing
- **Visiting researcher at the Institute of Biogeography, Humboldt University Berlin, Germany**, with Prof. Tobias Kümmerle, March-May 2013
- **Visiting researcher at the Council of Scientific and Industrial Research (CSIR), Pretoria, South Africa**, with Prof. Bob Scholes, “Ecosystem Processes and Dynamics” research group, April-May 2011

■ Language

- English on an academic level
- German native speaker
- Italian on a beginners level

■ Publication List

Articles in ISI Journals

Erb, Karl-Heinz, Tamara Fetzl, Christoph Plutzer, Thomas Kastner, Christian Lauk, Andreas Mayer, **Maria Niedertscheider**, Christian Körner, and Helmut Haberl. "Biomass Turnover Time in Terrestrial Ecosystems Halved by Land Use." *Nature Geoscience* advance online publication (August 22, 2016). doi:10.1038/ngeo2782.

Niedertscheider, Maria, Thomas Kastner, Tamara Fetzl, Helmut Haberl, Christine Kroisleitner, Christoph Plutzer, and Karl-Heinz Erb. "Mapping and Analysing Cropland Use Intensity from a NPP Perspective." *Environmental Research Letters* 11, no. 1 (2016): 014008.

Fetzl, Tamara, **Maria Niedertscheider**, Helmut Haberl, Fridolin Krausmann, and Karl-Heinz Erb. "Patterns and Changes of Land Use and Land-Use Efficiency in Africa 1980–2005: An Analysis Based on the Human Appropriation of Net Primary Production Framework." *Regional Environmental Change*, n.d., 1–14.

Jepsen, Martin Rudbeck, Tobias Kuemmerle, Daniel Müller, Karlheinz Erb, Peter H. Verburg, Helmut Haberl, Jens Peter Vesterager, ..., **Maria Niedertscheider**, ... et al. "Transitions in European Land-Management Regimes between 1800 and 2010." *Land Use Policy* 49 (2015): 53–64.

Gingrich, Simone, **Maria Niedertscheider**, Thomas Kastner, Helmut Haberl, Georgia Cosor, Fridolin Krausmann, Tobias Kuemmerle, et al. "Exploring Long-Term Trends in Land Use Change and Aboveground Human Appropriation of Net Primary Production in Nine European Countries." *Land Use Policy* 47 (2015): 426–38.

Plutzer, Christoph, Christine Kroisleitner, Helmut Haberl, Tamara Fetzl, Claudia Bulgheroni, Tim Beringer, Patrick Hostert, Thomas Kastner, Tobias Kuemmerle, Christian Lauk, Christian Levers, Marcus Lindner, Dietmar Moser, Daniel Müller, **Maria Niedertscheider**, Maria Lusia Paracchini, Sibyll Schaphoff, Peter H. Verburg, et al. "Changes in the Spatial Patterns of Human Appropriation of Net Primary Production (HANPP) in Europe 1990–2006." *Regional Environmental Change*, June 10, 2015, 1–14. doi:10.1007/s10113-015-0820-3.

Maria Niedertscheider, Tobias Kuemmerle, Daniel Müller, Karlheinz Erb: Exploring the effects of drastic institutional and socio-economic changes on land system dynamics in Germany between 1883 and 2007, in: *Global Environmental Change*, Elsevier Ltd., Oxford, 2014, Vol 28, S. 98 - 108.

Maria Niedertscheider, Karlheinz Erb: Land system change in Italy from 1884 - 2007: Analysing the North-South divergence on the basis of an integrated indicator framework, in: *Land Use Policy*, 2014, Vol 39, S. 366 - 375.

Fridolin Krausmann, Simone Gingrich, Helmut Haberl, K.-H. Erb, A. Musel, Thomas Kastner, N. Kohlheb, **Maria Niedertscheider**, E. Schwarzmüller, Karlheinz Erb: Long-term trajectories of the human appropriation of net primary production: Lessons from six national case studies, in: *Ecological Economics*, 2012, Vol 77, S. 129 - 138.

Maria Niedertscheider, Simone Gingrich, K.-H. Erb, Karlheinz Erb: Changes in land use in South Africa between 1961 and 2006: an integrated socio-ecological analysis based on the human appropriation of net primary production framework, in: *Regional*

Book chapters

Karlheinz Erb, **Maria Niedertscheider**, Philipp J. Friedrich, Christoph Schmitz, Peter Verburg, Martin Rudbeck Jepsen, Helmut Haberl: Conceptual and Empirical Approaches to Mapping and Quantifying Land-Use Intensity, in: Marina Fischer, Anette Reenberg, Anke Schaffartzik, Andreas Mayer (Hrsg.): Ester Boserup's Legacy on Sustainability, Springer Science + Business Media B.V., Dordrecht, Januar 2014, Vol 4, S. 61 - 86.

Other Publications

Tamara Fetzl, **Maria Niedertscheider**, K.-H. Erb, Veronika Gaube, Simone Gingrich, Helmut Haberl, Fridolin Krausmann, Christian Lauk, Christoph Plutzer, Karlheinz Erb: Human Appropriation of Net Primary Production in Africa: Patterns, trajectories, processes and policy implications. Report commissioned by UNCTAD., IFF Social Ecology (Universitaet Klagenfurt), Vienna, 2012, Vol 137.

Maria Niedertscheider: Human Appropriation of Net Primary Production in South Africa 1961-2006: A socio-ecological analysis., IFF Social Ecology (Universitaet Klagenfurt), Vienna, 2011, Vol 130.

■ Presentations

3rd Global Land Project, Open Science Meeting (GLPOSM16)

24-27 October, 2016

Beijing

Type: Oral Presentation

Title: Land system change in an Austrian valley since 1861: Studying carbon dynamics and its implications for the climate system

Authors: Maria Niedertscheider, Karlheinz Erb, Johannes Ruedisser, Ulrike Tappeiner, Erich Tasser

International Society of Ecological Economics (ISEE): Wellbeing and Equity within Planetary Boundaries

13-15 August, 2014

Reykjavik, Iceland

Type: Oral Presentation

Title: A NPP perspective on global cropland productivity: analyzing the trade-offs between societal gains and ecological costs of yield increases.

Authors: Maria Niedertscheider, Karlheinz Erb, Tamara Fetzl, Thomas Kastner, Christine Kroisleitner

2nd Global Land Project, Open Science Meeting: "Land Transformations: Between Global Challenges and Local Realities"

19-21 March, 2014

Berlin

Type: Oral Presentation

Title: Long term land system change across Europe: drivers, time lags and ecosystem implications

Authors: Maria Niedertscheider, Karlheinz Erb

**2nd Vienna Workshop on Sustainable Development for Doctoral Students
Organized by the Doctoral School of the Institute of Social Ecology (DSSE)**

15th of November 2012, Institute of Social Ecology,
Vienna

Type: Oral presentation

Title: Analysing the Italian North/South divide from a land use perspective

Authors: Maria Niedertscheider, Karlheinz Erb

Worlds within reach- IIASA's 40th Anniversary Conference

24-25 October 2012, Vienna

Type: Poster-Presentation

Title: Human appropriation of net primary production in Africa: Patterns, trajectories, processes and policy implications

Authors: Maria Niedertscheider, Tamara Fetzel, Karlheinz Erb, Helmut Haberl, Fridolin Krausmann

**IAMO Forum "Land Use in Transition: Potentials and Solutions Between
Abandonment and Land Grabbing"**

Leibniz Institute of Agricultural Development in Central and Eastern Europe (IAMO),
Humboldt-University Berlin, University of Wisconsin, Madison.

20-22.6.2012

Halle/Saale

Type: Oral Presentation

Title: Integrated socio-ecological analyses of land-use intensification based on the
Human Appropriation of Net Primary Production framework

Authors: Erb, Karl-Heinz, Haberl, Helmut, and Niedertscheider, Maria