

Dr. Jan Thiele

**Work Group Applied Landscape Ecology /
Ecological Planning**

Institute of Landscape Ecology

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Research / Fields of interest

Applied Landscape and Geo-ecology

- Monitoring landscape change through remote sensing
- Landscape modelling
- Historical Landscape Ecology

Regional Population Dynamics and Metapopulation Ecology

- Modelling plant populations at the landscape scale

Invasion Biology

- Spread of invasive plants
- Impacts of invasive species on bio-diversity

Landscape Planning

- Landscape connectivity / Habitat connectivity

Nature Conservation

Functional Plant Ecology

Academic career

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|------------|---|
| Since 2009 | Research Associate at the University of Münster, Institute of Landscape Ecology, Work Group Applied Landscape Ecology / Ecological Planning |
| 2007-2008 | Postdoc at the University of Copenhagen, Department of Agriculture and Ecology, Botany section |
| 2002-2006 | Research Assistant / PhD student at the University of Giessen, Work Group Landscape Ecology and Landscape Planning |
| 2001/ 5-12 | Graduate Assistant at the University of Giessen, Work Group Landscape Ecology and Landscape Planning |
| 2001 | Environmental Consultant / Surveys of protected habitats according to the EC Habitats Directive |
| 1995-2001 | Diploma in Landscape Ecology at the University of Münster; Subsidiaries: Geology, Botany, Public Law |

Publications

Peer-reviewed publications

- Thiele J, Isermann M, Otte A, Kollmann J (eingereicht) Asymmetric competitive displacement rather than biotic resistance in successional plant communities invaded by tall herbs and shrubs.
- Thiele J, Kollmann J, Markussen B, Otte A (eingereicht) Impact assessment revisited – improving the theoretical basis for management of invasive alien plant species.
- Thiele J, Hansen T, Hauser TP, Siegmund HR (2009) Genetic variation of inbreeding depression among floral and fitness traits in *Silene nutans*. *Heredity*: DOI 10.1038/hdy.2009.103.
- Thiele J, Kollmann J, Rose-Andersen U (2009) Ecological and socioeconomic correlates of plant invasions in Denmark – the utility of environmental assessment data. *Ambio* 38: 89-94.
- Thiele J, Jørgensen RB, Hauser TP (2009) Flowering does not decrease vegetative competitiveness of *Lolium perenne*. *Basic and Applied Ecology* 10: 340-348.
- Thiele J, Otte A (2008) Invasion patterns of *Heracleum mantegazzianum* in Germany on the regional and landscape scales. *Journal for Nature Conservation* 16 (2): 61-71.
- Thiele J, Schuckert U, Otte A (2008) Cultural landscapes of Germany are patch-corridor-matrix mosaics for an invasive megaforb. *Landscape Ecology* 23 (4): 453-465.
- Thiele J, Otte A, Eckstein L (2007) Ecological needs, habitat preference and plant communities invaded by *Heracleum mantegazzianum*. In: Pysek P, Cock MJW, Nentwig W, Ravn HP (eds) *Ecology and Management of Giant Hogweed (Heracleum mantegazzianum)*. CAB International, pp 126-143.
- Thiele J, Otte A (2007) Impact of *Heracleum mantegazzianum* on invaded vegetation and human activities. In: Pysek P, Cock MJW, Nentwig W, Ravn HP (eds) *Ecology and Management of Giant Hogweed (Heracleum mantegazzianum)*. CAB International, pp 144-156.
- Otte A, Eckstein L, Thiele J (2007) *Heracleum mantegazzianum* in its primary distribution range of the Western Greater Caucasus. In: Pysek P, Cock MJW, Nentwig W, Ravn HP (eds) *Ecology and Management of Giant Hogweed (Heracleum mantegazzianum)*. CAB International, pp 20-41.
- Thiele J, Otte A (2006) Analysis of habitats and communities invaded by *Heracleum mantegazzianum* Somm. et Lev. (Giant Hogweed) in Germany. *Phytocoenologia* 36 (2): 281-320.

Further publications

- Thiele J, Otte A (2008) Herkules mit Achillesfersen? Zur Ausbreitung und Ökologie von *Heracleum mantegazzianum* auf der lokalen, landschaftlichen und regionalen Skalenebene. *Naturschutz und Landschaftsplanung* 40(9): 273-279 (in German).
- Nielsen C, Ravn HP, Nentwig W, Wade M (eds, 2005) *The Giant Hogweed best practice manual – guidelines for the management and control of an invasive weed in Europe*. Forest & Landscape Denmark, Hoersholm (Co-author of the chapter 'Preventive measures, early detection and eradication'), <http://www.giant-alien.dk/manual.html>.

PhD and Diploma thesis

Thiele J (2007) Patterns and processes of *Heracleum mantegazzianum* invasion into German cultural landscapes on the local, landscape and regional scale. PhD thesis, University of Giessen, <http://geb.uni-giessen.de/geb/volltexte/2008/5359/>.

Thiele J (2001) Vegetation an Bruchsteinmauern im Osnabrücker und Tecklenburger Land. Diploma thesis, University of Münster (in German).

Memberships

International Association for Landscape Ecology (IALE), www.iale.de,
<http://www.landscape-ecology.org>

International Association for Vegetation Science (IAVS), www.iavs.org

Ecological Society of Germany, Austria and Switzerland (GFÖ), www.gfoe.org

Floristisch-Soziologische Arbeitsgemeinschaft, www.tuexenia.de