

Personal data

Full name: Julia-Maria Hermann
Date of birth: 30 June 1975
Place of birth: Itzehoe/Steinburg
Nationality: German
Family status: Not married
e-mail: juliamaria.hermann@gmail.com

Education

2/2003-1/2009 PhD study, Chair of Vegetation Ecology, Technische Universität München, Freising-Weihenstephan, Germany
11/1997-1/2003 Diploma study, Landscape Architecture and Landscape Planning, Technische Universität München, Freising-Weihenstephan, Germany
8/1995-9/1997 Study of Anglistics at Christian-Albrechts-Universität, Kiel, Germany
6/1994: Allgemeine Hochschulreife (A-Levels)
1981-1994 Elementary and High School (Herderschule Rendsburg)

Degrees

1/2003 Dipl.-Ing. (Univ.) der Landschaftsarchitektur und Landschaftsplanung
Thesis: Vegetation Study in the Okavango Delta, Botswana: 1. Construction of the Interactive Identification Key OKAFLOOR. 2. Vegetation study in a seasonal floodplain of the Okavango Delta
1/2009 Dr. rer. nat.
Thesis: Pioneer Woody Species in Grasslands of Southern Brazil: Life history traits and population dynamics

Research work experience (postgraduate)

Grassland degradation and restoration potential in southern Brazil; seed sourcing in grassland restoration

Since 1.9.2011 Junior Research Assistant at Chair of Restoration Ecology, Technische Universität München: Development of PostDoc research within German-Brazilian project „Scientific Basis for Grassland Restoration in Rio Grande do Sul, Brazil“ (DFG, KO 1741/2-1) and “Degradation of biodiversity and ecosystem functions in subtropical grassland, and limitations to restoration” (DFG, KO 1741/3-1), Lehrstuhl für Renaturierungsökologie, Technische Universität München

Greenhouse gas exchange, peatland restoration

1.2.2009-31.8.2011 Research Assistant: LfU-Projekt „Begleituntersuchungen zur Abschätzung des Klimaentlastungspotenzials durch Moor-Renaturierungsmaßnahmen in Bayern im Rahmen des KLIP2020“, vTI-

Verbundprojekt „Organische Böden“, Chair of Restoration Ecology,
Technische Universität München

Urban wasteland conversion

1.12.2008-31.1.2009 see below

[1.11.2008-30.11.2008 not employed]

Plant protection (EPPO-standards)

1.03.2008-31.10.2008

Assistant in plant protection product testing, Institut für Pflanzenschutz
der Bayerischen Landesanstalt für Landwirtschaft

[1.2.2008-28.2.2008 not employed]

Urban wasteland conversion

1.11.2007-31.1.2008 Research Assistant: BMBF-Projekt „Reintegration von
Altindustriestandorten in urbane Funktionsräume“, Chair of Landscape
Architecture, Technische Universität München

[1.10. – 31.10.2007 Office assistant at Milchquotenverkaufsstelle der Bayerischen
Landesanstalt für Landwirtschaft]

Greenhouse gas exchange, peatland restoration

01.04. -18.09.2007 Research Assistant: BMBF-Projekt „Klimaschutz-
Moornutzungsstrategien“, Chair of Vegetation Ecology, Technische
Universität München

[1.9.2006-30.3.2007 Freelance activities - Existenzgründungsprogramm, Agentur für Arbeit;
PhD thesis]

Forest-grassland-dynamics in Rio Grande do Sul, Brazil

1.09.2003-31.08.2006

Research Assistant: DFG-Projekt „Wald-Grasland-Dynamik im
südlichen Brasilien“ (Geschäftszeichen PF120/10-1, PF 120/10-2),
Chair of Vegetation Ecology, Technische Universität München

Research interests

- Restoration thresholds and techniques for subtropical and temperate grasslands
- Seed sourcing in grassland restoration, in particular: cultivar vs. regionally sourced plant material, native vs. non-native species
- Patterns and processes in the forest-grassland-ecotone, in particular: woody species establishment and dynamics
- Greenhouse gas exchange of restored peatland ecosystems: measurement and modelling

Journal articles

2014

Andrade, B. O., Overbeck, G. E., Pilger, G. E., Hermann, J. M.,
Conradi, T., Boldrini, I. I., & Kollmann, J. (2014). Intraspecific trait
variation and allocation strategies of calcareous grassland species:
results from a restoration experiment. *Basic and Applied Ecology*.
Available online 27 August 2014, DOI: 10.1016/j.baae.2014.08.007

- 2013 Overbeck, G. E., Hermann, J.-M., Andrade, B. O., Boldrini, I. I., Kiehl, K., Kirmer, A., Koch, C., Kollmann, J., Meyer, S. T., Müller, S. C., Nabinger, C., Pilger, G. E., Trindade, J. P. P., Vélez-Martin, E., Walker, E. A., Zimmermann, D. G. & Pillar, V. D. (2013). Restoration Ecology in Brazil—Time to Step Out of the Forest. *Natureza e Conservação* 11(1): 92-95.
- Hermann, J. -M., & Overbeck, G.E. Book Review. *Basic and Applied Ecology* (2013): <http://dx.doi.org/10.1016/j.baae.2013.09.004>
- 2012 Hermann, J.-M., Kiehl, K., Kirmer, A., Tischew, S. & Kollmann, J.: Renaturierungsökologie im Spannungsfeld zwischen Naturschutz und neuartigen Ökosystemen. [The dilemma of novel ecosystems in restoration and conservation work.] *Natur und Landschaft* 88(4): 149-154.
- 2012 Hermann, J.-M., Haug, S., Westphalen, M., Pillar, V.D. & Pfadenhauer, J.: Shrubs versus 'gullivers': Woody species coping with disturbance in grasslands. *Plant Ecology* 213: 1757-1768
- 1/2009 Hermann, J.-M., Overbeck, G., Müller, S.C. & Fidelis, A. 2009: Vegetationsdynamik und Regenerationsstrategien im Grasland Südbraziens. *Laufener Spezialbeiträge* 2/09: 169-174

Online publication

- 2009 Hermann, J.-M. 2009: Pioneer Woody Species in Grasslands of Southern Brazil: Life history traits and population dynamics. URL: <http://mediatum2.ub.tum.de/node?id=672162> [accessed Feb 2011].
- 2001 Hermann, J.-M. & Klebe, S. 2001: Excursion report Siberia 2000. (Berichte des Lehrstuhls für Vegetationsökologie 1.) URL: <http://www.wzw.tum.de/vegoek/publikat/berichte/blv1/blv1.html> [accessed Feb 2011].

Book contributions

- 2013 Hermann, J.-M.: Okavango Delta. In: Howarth, R.W. (ed.): *Biomes and ecosystems*, Vol. 3: 939-940. Salem Press, Ipswich, MA

Symposium contributions

- 9/2014 Meyer, S.T., Goßner, M.M., Koch, C., Hermann, J.-M., Podgaiski, L., Overbeck, G.E., Kollmann, J. & Weisser, W.W.: Degraded grasslands: Biodiversity and ecosystem functioning differ between grassland types (poster). 44th Annual Conference of the Ecological Society of Germany (GfÖ), Hildesheim
- 8/2014 Hermann, J.-M., Duarte, M.M., Goßner, M.M., Koch, C., Meyer, S.T., Overbeck, G.E., Podgaiski, L., & Kollmann, J.: Degraded grasslands: How much recovery and towards which reference? (lecture). 9th SER European Conference, Oulu, Aug 4-8, 2014
- Hermann, J.-M. & Kollmann, J.: ER goes BEF: A formal comparison between biodiversity and restoration experiments in grasslands (poster). 9th SER European Conference, Oulu, Aug 4-8, 2014
- Koch, C., Hermann, J.-M., Jeschke, J.M., Overbeck, G.O. & Kollmann, J.: Do non-native plant species turn 'bad' in species-rich subtropical

- grasslands - and what is 'bad'? (lecture) 9th SER European Conference, Oulu, Aug 4-8, 2014
- 2/2014 Kollmann, J., Hermann, J.-M., Goßner, M.M., Koch, C., Meyer, S.T., Overbeck, G.E. & Weisser, W.W.: Degradation of biodiversity and ecosystem functioning in subtropical grasslands, and thresholds for restoration (lecture). Annual Conference of the Society for Tropical Ecology (GTÖ), Freising, Feb 25-28, 2014
- 10/2013 Hermann, J.-M. & Kollmann, J.: Sowing seeds of doubt: Trans-national cultivation and selection of European grassland species and implications for restoration (lecture). 5th World Conference on Ecological Restoration, Madison, Oct. 6-11, 2013
- Hermann, J.-M. & Kollmann, J.: Hotspots of world grassland restoration (poster). 5th World Conference on Ecological Restoration, Madison, Oct. 6-11, 2013
- Andrade, B., Koch, C., Boldrini, I., Hermann, J.-M. & Overbeck, G. (lecture): Conservation, degradation and restorability – Ecosystem services, management and land use changes in the south Brazilian grasslands. 5th World Conference on Ecological Restoration, Madison, Oct. 6-11, 2013
- Andrade, B., Overbeck, G., Pilger, G., Iecker, G., Boldrini, I., Hermann, J.-M. & Kollmann, J. (poster): Inter- and intraspecific variation of above- and belowground traits in grassland plant species at a restoration site. 5th World Conference on Ecological Restoration, Madison, Oct. 6-11, 2013
- 11/2012 Kollmann, J. & Hermann, J.-M.: Pflanzenarten, Sorten und Provenienzen in der Renaturierungsökologie. Beiträge der 53. Fachtagung des DLG-Ausschusses "Gräser, Klee und Zwischenfrüchte" am 6. November 2012 in Bonn.
- 9/2012 Hermann, J.-M. & Overbeck, G.: Novel concepts for grassland restoration in Southern Brazil? Lecture at 8th European Conference on Ecological Restoration, České Budějovice, Sept. 9-14, 2012
- 7/2012 Hermann, J.-M. & Conradi, T.: Calcareous grasslands in the north of Munich - „What are our targets in restoration? How can we achieve our targets?“ (excursion reader) DFG-CNPq workshop “Scientific bases for grassland restoration in southern Brazil”, Freising, Germany, 16.-18.7.2012.
- 7/2011 Hermann, J.-M. & Overbeck, G.: Grassland restoration in Germany and Southern Brazil: Framework conditions (lecture). V.Deutsch-Brasilianisches Symposium, Stuttgart, 17.-18.7.2011.
- 5/2011 Hermann, J.-M., Overbeck, G., Boldrini, I.I., Müller, S.C., Kollmann, J. & V.d.P. Pillar: Introducing grassland restoration to southern Brazil (poster). Workshop SALVERE Projekt "Artenreiche Grünlandgesellschaften", Bernburg, 18.-20.5.2011
- 12/2010 Hermann, J.-M., Overbeck, G., Boldrini, I.I., Müller, S.C., Kollmann, J. & V.d.P. Pillar: New concepts for grassland restoration in southern Brazil (lecture). Lateinamerikatagung ILZ, Bonn, 17.-18.12.2010.

- 9/2010 Hermann, J.-M. & Prates, L. da Silva: Mammals as dispersers of forest tree seeds in southern Brazilian grasslands (poster). 40. GfÖ-Tagung, Gießen, Germany.
- 7/2007 Hermann, J.-M., Prates, L. da Silva, Pillar, V. De Patta & J. Pfadenhauer: Makings of a successful pioneer forest species: *Myrsine parvula* in grasslands of Southern Brazil (lecture). 3. Deutsch-Brasilianisches Symposium: Nachhaltige Entwicklung, Freiburg, Germany.
- 7/2005 Hermann, J.-M., Schüssler, G., Pillar V. De Patta & J. Pfadenhauer: Grassland Colonisation by Woody Species: Relative importance of Vegetative and Generative Reproduction (poster). ATBC Symposium, Uberlândia, Brazil.
- 7/2005 Hermann, J.-M., Müller, S., Westphalen, M., Pillar V. De Patta & J. Pfadenhauer: Survival of Woody Species in Grassland after Biomass Loss: A Comparison of Grassland and Forest Species (lecture). 48th Symposium of the International Association of Vegetation Science (IAVS) in Lissabon, Portugal.
- 7/2004 Hermann, J.-M., Pillar, V. De Patta & J. Pfadenhauer: Woody Species Invading Grassland on the Planalto das Araucarias, Rio Grande do Sul, Brazil (poster). 47th Symposium of the International Association of Vegetation Science (IAVS) in Kailua-Kona, Hawaii, USA.
- 8/2001 Hermann, J.-M., Qual, W., Schneider, K., Ziesak, S. & Kiehl, K.: Influence of sheep grazing and abiotic factors on the saltmarshes of Westerhever, Schleswig-Holstein (poster). 44th Symposium of the International Association of Vegetation Science (IAVS), Freising.

Teaching experience

Mostly supervision of undergraduate projects, selection:

Die nichtheimischen Süßgräser der nordamerikanischen Langgrasprairie (Non-native sweetgrasses in the northern American tallgrass prairie) (BSc project, May 2014)

Change of land use and land cover by silvicultural expansion on the Campos de Cima da Serra, Rio Grande do Sul, Brazil (2002/03 - 2008/09) (MSc project, May 2013; in collaboration with H.Hasenack, UFRGS-Brazil)

Campos Conservation & Restoration: Ideological Background, Legal Framework & Current Practice (MSc project, August 2012; in collaboration with G.Overbeck, UFRGS-Brazil)

Reviewer activity

Restoration Ecology

Basic and Applied Ecology

Biota Neotropica

Diversity and Distributions

Ecology and Society

Perspectives in Plant Ecology, Evolution and Systematics

Other

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| 2013 | Administration of TUM <i>biodivers</i> Network |
| 8/1999-10/1999 | 11-week Internship at Landscape Planning Agency Pro Regione, Flensburg, Germany |
| 3/1997-8/1997 | 6-month Internship at Horticultural Company Sievers, Luhnstedt, Germany in 1997 |