

PERSONAL INFORMATION

Klaus J. Hennenberg

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Sex Male | Date of birth 18/12/1970 | Nationality German

WORK EXPERIENCE

2007 - ongoing

Scientist, Energy & Climate Division

Oeko-Institut, Rheinstrasse 95, D-64295 Darmstadt

- Research (bioenergy and biodiversity)

Business or sector Research institute

2005 - 2007

Project management (biogas and biofuels)

LRI – Renewable Energy Systems

- Project development, feasibility studies

Business or sector Consulting and planning agency

2001 - 2005

Scientist (botany)

University of Rostock

- Ecological research in West Africa within the BMBF-Projekt BIOTA (Biodiversity Transect Monitoring Analysis)

Business or sector Research institute

2000

Project assistance

goedecke_engineering

- Energetic renovation

Business or sector Planning office

2000

Scientist (botany)

University of Marburg

- Field surveys within EU-Project TRANSPLANT

Business or sector Research institute

1999 - 2000

Scientist (botany)

University of Kaiserslautern

- Feasibility study for the silvicultural experimental station Trippstadt

Business or sector Research institute

EDUCATION AND TRAINING

- 2001 - 2005 **PhD**
 University of Rostock

 - Ecology (botanical surveys, tree inventories, soil, microclimate, fire, statistics, tree-ring analysis, climate reconstruction, GIS)
 - Graduated with a mark of one (highest honours)

- 1999 - 2004 **In-service training**
 University of Kassel

 - Energy and environment, efficient energy use
 - Graduated with a mark of one (highest honours)

- 1990 - 1998 **Diploma**
 University of Göttingen (intermediate diploma: University of Münster)

 - Ecology (population ecology, botanical surveys, soil, microclimate)
 - Graduated with a mark of one (highest honours)

PERSONAL SKILLS

Mother tongue(s) German

Other language(s)

	UNDERSTANDING		SPEAKING		WRITING
	Listening	Reading	Spoken interaction	Spoken production	
English	C1	C2	C1	C1	C2
French	B1	B1	B1	B1	A2

Levels: A1/2: Basic user - B1/2: Independent user - C1/2 Proficient user
 Common European Framework of Reference for Languages

- Organisational / managerial skills

 - Project management and development

- Job-related skills

 - Statistics
 - Working in multi-disciplinary projects
 - presentations and discussions in international conferences and fora

- Computer skills

 - Programming (R, S-plus, C++, VBA), GEMIS, all Microsoft Office programs

- Other skills

 - Trumpet

- Driving licence

 - Car

ADDITIONAL INFORMATION

 References
 In Progress

Hennenberg, KJ, Hünecke, K.: Elements and milestones of the development of a sound and sustainable bioenergy strategy (in progress) - Commissioned by: German Federal Ministry for the Environment, Nature Conservation and Nuclear Safety (BMU)

Hennenberg KJ, Fritsche UR (in progress): Environmental innovation policy: More resources efficiency and climate protection through a sustainable use of biomass material - Commissioned by: German Federal Environment Agency (UBA)

Hennenberg KJ, Fritsche UR, Wiegmann K (in progress): Implementation of Goals for Biodiversity in sustainable use of Bioenergy - Study for the Federal Agency for Nature Conservation, Bonn

2012 Hennenberg KH, Herrera Perea R, et al (2012): Towards risk mapping of land-use change: a case study from bioenergy. Hennenberg KJ (project leader); in co-operation with PBL and WCMC.

Fritsche UR, Hennenberg KJ, Hünecke K (2012): Biomass Futures – project in the "Intelligent Energy-Europe"-Programme by the Executive Agency for Competitiveness and Innovation EACI Brussels

Hennenberg KJ, Fritsche UR, Herrera Perea R, Hünecke K, Wiegmann K, Rausch L (2012) Agricultural Residues: Basal information for the sustainable use of agricultural residues for bioenergy production; Hennenberg KJ (project leader); study supported by the German Federal Ministry for the Environment

2011 OEKO (Oeko-Institut)/IFEU (Institute for Energy and Environmental Research)/CI (Copernicus Institute) – (2011): Global Assessments and Guidelines for Sustainable Liquid Biofuels Production in Developing Countries; GEF UNEP/FAO/UNIDO Targeted Research Project; Darmstadt/Heidelberg/Utrecht

Wiegmann K, Hennenberg KJ (2011): Benchmarking Biomass sustainability criteria – project for the European Commission via VITO NV

Hennenberg KJ, Wiegmann K (2011): Advanced Biofuels - Sustainability Aspects – project for WWF in cooperation with DBFZ German Biomass Research Centre

Wiegmann, K., Fritsche, Uwe R., Hennenberg, K. (2010-2011): Long Study on Indirect Land Use Change and Biofuels; for European Parliament FC EU

2010 Hennenberg KJ et al. (2010) Sustainability of bioenergy: Do existing standards meet protection needs for biodiversity? *Conservation Biology* 24:412–423.
<http://www3.interscience.wiley.com/journal/123216075/abstract>

Hennenberg, K.J., Herrera, R. (2010): Experiences from the Implementation of the European Renewable Energy Directive (RED) in Germany. Proceedings of the 18th European Biomass Conference and Exhibition, Lyon, 3.-7. May 2010.

Minden V, Hennenberg KJ, Porembski S, Boehmer HJ (2010) Invasion and management of alien *Hedychium gardnerianum* (kahili ginger, Zingiberaceae) alter plant species composition of a montane rainforest on the island of Hawai'i. *Plant Ecology* 206:321-333

- 2009 Hennenberg KJ, Herrera Perea R, et al (2009) sub-project "GTZ-Project for the Practical Implementation of the BioSt-NachV – Subproject Spatial Requirements (Art. 4-7 + 10)". Hennenberg KJ (project leader); sponsored by the German Federal Ministry for the Environment. <http://www.oeko.de/service/bio/en/index.htm>
- OEKO (Oeko-Institut)/IFEU (Institute for Energy and Environmental Research)/CI (Copernicus Institute) 2009: Bioenergy Environmental Impact Analysis (BIAS) - Conceptual Framework; Fritsche, Uwe R. (project leader); study prepared for FAO; Darmstadt/Heidelberg/Utrecht
- Fritsche, Uwe R. et al. (2009): Sustainable Bioenergy: Current Status and Outlook. Summary of recent results from the research project "Development of strategies and sustainability standards for the certification of biomass for international trade", Fritsche, sponsored by the German Federal Environment Agency (Umweltbundesamt); Darmstadt/Heidelberg
- Fritsche UR, Hennenberg KJ, et al (2009) International Workshop on Sustainable Bioenergy from Algae" [http://www.bioenergywiki.net/Sus BioAlgae](http://www.bioenergywiki.net/Sus_BioAlgae)
- Fritsche UR, Hennenberg KJ, et al : "2nd Joint International Workshop on Bioenergy, Biodiversity Mapping and Degraded Lands" (2009): http://www.bioenergywiki.net/index.php/2nd_Joint_International_Workshop_Mapping
- 2008 Fritsche UR, Hennenberg KJ, et al : Joint International Workshop on High Nature Value Criteria and Potential for Sustainable Use of Degraded Lands" (2008): [http://www.bioenergywiki.net/index.php/Joint International Workshop on High Nature Value Criteria and Potential for Sustainable Use of Degraded Lands](http://www.bioenergywiki.net/index.php/Joint_International_Workshop_on_High_Nature_Value_Criteria_and_Potential_for_Sustainable_Use_of_Degraded_Lands)
- Hennenberg KJ, UR Fritsche, C Dragisic, S Haye, J Hewson A Jering (2008) Sustainability standards for biomass: Status in Germany, the EU, and global perspectives. Proceedings of the Second International Symposium on Energy from Biomass and Waste, 17-20 November 2008, Venice, Italy
- Hennenberg KJ, UR Fritsche, K Wiegmann, S Haye, J Hewson, C Dragisic (2008) Criteria and indicators to identify and map high nature value areas – issue paper. Joint International Workshop on High Nature Value Criteria and Potential for Sustainable Use of Degraded Lands, Paris, June 30-July 1, 2008, Paris, France [http://www.bioenergywiki.net/index.php/Joint International Workshop on High Nature Value Criteria and Potential for Sustainable Use of Degraded Lands](http://www.bioenergywiki.net/index.php/Joint_International_Workshop_on_High_Nature_Value_Criteria_and_Potential_for_Sustainable_Use_of_Degraded_Lands)
- Wiegmann K, KJ Hennenberg, UR Fritsche (2008) Degraded land and sustainable bioenergy feedstock production – issue paper. Joint International Workshop on High Nature Value Criteria and Potential for Sustainable Use of Degraded Lands, Paris, June 30-July 1, 2008, Paris, France [http://www.bioenergywiki.net/index.php/Joint International Workshop on High Nature Value Criteria and Potential for Sustainable Use of Degraded Lands](http://www.bioenergywiki.net/index.php/Joint_International_Workshop_on_High_Nature_Value_Criteria_and_Potential_for_Sustainable_Use_of_Degraded_Lands)
- Fritsche UR, Hennenberg KJ, Wiegmann K (2008) Bioenergy and biodiversity: Potential for sustainable use of degraded lands. Briefing Paper for the information event at CBD-COP9 on May 27, 2008, Bonn, Germany. http://www.oeko.de/files/aktuelles/application/pdf/briefing_paper_degraded_land_potentials_for_side_event_cop9.pdf
- Hennenberg KJ, Fritsche UR (2008) Expert meeting on biodiversity standards and strategies for sustainable cultivation of biomass for non-food purposes - Final Report. BfN, Bonn
- Hennenberg KJ, Orthmann B, Steinke I, Porembski S (2008) Core area analysis at semi-deciduous forest islands in the Comoé National Park, NE Ivory Coast, Biodiversity and Conservation 17:2787-2797.
- Hennenberg KJ, Goetze D, Szarzynski J, Orthmann B, Reineking B, Steinke I, Porembski S (2008) Detection of seasonal variability in microclimatic borders and ecotones between forest and savanna. Basic and Applied Ecology 9: 275-285.
- 2007 Goetze D, Hennenberg KJ, Koulibaly A, Porembski S (2007) Forest-savanna dynamics in Ivory Coast. In: Runge J (ed.) Dynamics of forest ecosystems in Central Africa during the Holocene: past - present - future, Palaeoecology of Africa 28: 169-198.

- 2006 Friedmann H, Höppner RR, Hennenberg KJ, Karabulut Y, Beck H, Çapalov L, Cordes L, Haacke A, Gabler R, (2006) Integrated biogas project Antalya-Kumluca (Turkey) – Feasibility study financed by PPP-facility of KfW.
- Friedmann H, Hennenberg KJ, Haacke A, Karabulut Y (2006) Technical and economical feasibility study for the implementation of a biogas plant at the poultry farm Keskinöğlü, Manisa (Turkey).
- Hennenberg KJ, Fischer F, Kouadio K, Goetze D, Orthmann B, Linsenmair KE, Jeltsch F, Porembski S (2006) Phytomass and fire occurrence along forest-savanna transects in the Comoé National Park, Ivory Coast. *Journal of Tropical Ecology* 22:303-311.
- Schöngart J, Orthmann B, Hennenberg KJ, Porembski S, Worbes M (2006) Climate-growth relationships of tropical tree species in West Africa and their potential for climate reconstruction. *Global Change Biology* 12:1139-1150.
- Steinke I, Hennenberg KJ (2006) On the power of plotless density estimators for statistical comparisons of plant communities. *Canadian Journal of Botany* 84:421-432.
- 2005 Hennenberg KJ (2005) Fertiliser properties of residuals from biogas plants and fertiliser markets in the People's Republic of China.
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- Hennenberg KJ, Goetze D, Kouamé LK, Orthmann B, Porembski S (2005) Border and ecotone detection by vegetation composition along forest-savanna transects in Ivory Coast. *Journal of Vegetation Science* 16:301-310.
- Hennenberg KJ, Minden V, Goetze D, Traoré D, Porembski S (2005): Size class distribution of *Anogeissus leiocarpus* (Combretaceae) along forest-savanna ecotones in northern Ivory Coast. *Journal of Tropical Ecology* 21:273-281.
- 2003 Hennenberg KJ, Bruelheide H (2003) Ecological investigations on the northern distribution range of *Hippocrepis comosa* L. in Germany. *Plant Ecology* 166: 167-188.