CURRICULUM VITAE

NAME **Johannes** Michael **Dietz**

CURRENT POSITION **Geoecologist,** post-doctoral research fellow
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PERSONAL DATA Born 24 January 1974 in Würzburg, Germany
German Citizenship, Married

HOME ADDRESS Spring Valley Gardens, Apt A-4 Lower Kabete Rd. / Kabete Ln.
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EDUCATION ***PhD in Forestry*** University of Göttingen, 2007 *magna cum laude*
Thesis: 'Rainfall partitioning in differently used montane rainforests of Central Sulawesi, Indonesia' within the DFG Project 'Stability of rainforest margins in Indonesia' (STORMA)
Main Courses: Tropical Silviculture, Bioclimatology, Forest Botany

Dipl. in Geoecology University of Bayreuth, 2002 -Grade 1.5*
(equiv. M.Sc.)
Thesis: 'Variation and Distribution of Forest Types on the Southern Foothills of the Cordillera Cahuapanas, Alto Mayo, Peru' **Major:** Biogeography & Soil Science **Minor:** Botany (Dendrology), Geography of the Third World (Development Policy), Environmental Geology

Certified Carpenter ('Geselle')
Carpenters' Guild Traunstein, Germany, 1996
Carpentry
Vocational Training School Traunstein, Germany, 1993-1996

Secondary Education
Abitur, Chiemgau Gymnasium, Traunstein, Germany -Grade 1.4*
1984-1993

Ordinary High School Diploma, Pine-Richland High School, Gibsonia, PA, USA, 1990-1991 -Grade 3.71

* grade range: 1 (excellent) to 4 (passing)

LANGUAGES	German	Native language
	English	Near native
	Spanish, Indonesian	Fluent
	French, Italian	Reading comprehension
	Russian, Kiswahili	Basic

COMPUTER SKILLS	MS Office	(Word, Excel, PowerPoint, Access)
	Adobe Graphics	(Photoshop, Illustrator, InDesign)
	Statistics Software	(SAS, SigmaPlot, SPSS, Statistica, Win BUGS)
	GIS / Remote Sensing	(ArcView, ArcGIS, ENVI)
	WWW-Programming	

SOFT SKILLS

- American Field Service (AFS Intercultural Programs): Chaperone, Advisor and Lecturer for international student exchange 1995 - to date
- International Association for the Exchange of Students for Technical Experience (IAESTE): Bayreuth Chapter President and development consultant for Ukraine 1997 – 2001
- International Student Organization for Sustainable Economics and Management (OIKOS): Involved with conference organization and development issues 2002 – to date

MEMBERSHIPS

- German Society for Tropical Ecology (GTÖ) since 2001
- Forest Ecology and Remote Sensing Group (FEARS) at the Ecological Botanical Gardens (ÖBG) of the University of Bayreuth, Germany since 2000
- Association for Geoecology in Germany (VGöD) since 2003

PROFESSIONAL EXPERIENCE

- **Climate change mitigation and adaptation:** Technical solutions to carbon accounting for various agroforestry systems and linkage to adaptation options to African smallholder farmers. World Agroforestry Centre (ICRAF), Nairobi, Kenya March 2008 to date
- **Greenhouse gas emission assessment in the tropics:** Pantropical study of carbon stocks in forests with a special case study on Papua New Guinea, at the Max-Planck Institute for Bio-Geochemistry, Jena, for the German Federal Agency for Environment. January - December 2007
- **Forest hydrology:** Response of rainfall partitioning to a gradient of forest use intensity in a rural community at the Lore Lindu National Park, Sulawesi, Indonesia August 2003 - December 2006
- **Land use change monitoring:** Multitemporal study of satellite imagery to establish deforestation rates and related land use parameters in the rural Alto Mayo watershed, Peru, for the German Corporation for Technical Cooperation (GTZ). January - July 2003
- **Tropical forest survey:** Field assessment of structural tree parameters of a lowland rainforest in the Manu Region (Madre de Dios, Peru) for satellite based biomass assessment and modeling on behalf of the ESA-ALFS Project and the Max-Planck Institute for Biogeochemistry. February 2003

- **Hospitation** with the German Corporation for Technical Cooperation (GTZ) in the rural development project Integrated Development Alto Mayo, Peru. July - October 2001
- **Carbon sinks in temperate forests:** Soil sampling at selected forest sites in Tharandt, Saxony for the Max-Planck Institute for Biogeochemistry. May 2001
- **Forest Survey:** Assessment of forest structure and soil properties in preparation for gas exchange studies at the Wetzstein, Thuringia, for the Max-Planck Institute for Biogeochemistry. November 2000 - February 2001
- **Assessment of forest regeneration** parameters of the rainforest of the Kilimanjaro in cooperation with the University of Dar Es Salaam, Tanzania: Installation and maintenance of soil sampling equipment and evaluation of soil and zoological data. July - October 2000
- **Climatic research** at the arctic tree line: Installation and maintenance of an Eddy-Correlation System and miscellaneous atmospheric monitoring devices for the University of Alaska, U.S.A. May - July 2000
- **Paleoclimatic research** through a pedological and glaciological approach: Research expedition to the Pamir mountain range, Kyrgyzstan, in cooperation with the Academy of Sciences Tashkent, Uzbekistan. August - September 1999
- **Ecological research in tropical montane rainforests**: on-site experiments and installation of a nutrient flux monitoring system at the *Estación Científica San Francisco*, Zamora-Chinchipe, Ecuador. March - May 1998
- **Geodetic Monitoring** at the Alpine snowline: Assessment of glacier variability and soil creeping intensity in the Grossglockner region, Austria. August 1998
- **Development Volunteer**: Manager, instructor and trainer for the carpentry unit at the *Kolping Vocational Training Centre*, Kilima Mbogo, Kenya. February - July 1996

TEACHING

- Scientific and practical methods of soil carbon assessment in Papua New Guinea under the IPCC Good Practice Guidelines, Papua New Guinea Forest Research Institute, Lae, PNG March 2007
- Field exercises on plant ecological measurement techniques for students of the Master course "Tropical and international forestry" at the Institute of Tropical Silviculture, University of Göttingen. May 2005 & 2006
- Lecturing at the Ecological Botanical Gardens of the University of Bayreuth on -"Principles and application of advanced forest inventory tools" June 2003 -"Man between mountains and forest in the tropics" July 2002
- Field methods in soil science. Field trip for the Department of Ecology, University of San Martín, Peru September 2001

PUBLICATIONS

- **Dietz J**, Bayala J, Kalinganire A, Tscherning K (2010) LAAMA's in rural Africa?- In: van Noordwijk M, Hoang MH, Neufeldt H, Oborn I (eds.) Reducing vulnerability in multifunctional landscapes: how trees and people co-adapt to climate change. In press.
- Neufeld H, Onyango L, Lasco R, Quan NH, Yatich T, Kalinganire A, van der Sand I, **Dietz J**, Hoang MH, Nestry K, Jamnadass R, van Noordwijk M (2010) Basic concepts in adapting to climate change, rural livelihoods and multifunctional landscapes.- In: van Noordwijk M, Hoang MH, Neufeldt H, Oborn I (eds.) Reducing vulnerability in multifunctional landscapes: how trees and people co-adapt to climate change. In press.
- **Dietz J**, Kuyah S (2010) Destructive sampling protocol for Biomass harvest and modeling data assessment in Western Kenya for the Carbon Benefits Program. World Agroforestry Centre (ICRAF), Nairobi, Kenya
- **Dietz J**, Katumba B, Tumwebaze S, Gerald G (2009) Carbon in shade coffee: Agroforestry sampling protocol. World Agroforestry Centre (ICRAF), Nairobi, Kenya
- Nieschulze J, Erasmi S, **Dietz J**, Hölscher D (2009) The use of satellite images for the prediction of rainfall interception from managed forest stands in Central Sulawesi (Indonesia). *Journal of Hydrology* 364: 227 - 235. doi:10.1016/j.jhydrol.2008.10.024
- Fujiyoshi R, Satake Y, Sato T, Sumiyoshi T, **Dietz J**, Zimmermann R (2009) Natural and anthropogenic consequences of tropical forest soils in Northern Peru using environmental radionuclides as radiotracers. *Journal of Radioanalytical and Nuclear Chemistry* 279(2): 509 - 518. doi: 10.1007/s10967-007-7308-2
- **Dietz J** (2008) Land degradability analysis of survey blocks in Western Kenya.- Methodology for the Western Kenya Integrated Ecosystem Management Project. ICRAF Protocol
- Herold A, Scheffler M, Cunha Zeri G, **Dietz J**, Freibauer A, Hüttner M, Mollicone D, Jung M (2008) Emissions and removals from land-use, land use change and forestry activities in a post-Kyoto regime – quantitative analysis of a framework for reducing deforestation. German Federal Agency for Environment Climate Change series 16/08, Dessau, 163 pp. ISSN1862-4359
- **Dietz J** (2007) Rainfall partitioning in differently used montane rainforests of Central Sulawesi, Indonesia. PhD thesis, University of Göttingen, 103 pp.
- **Dietz J**, Leuschner Ch, Hölscher D, Kreilein H (2007) Vertical patterns and duration of surface wetness in an old-growth tropical montane forest, Indonesia. *Flora* 202: 111 – 117 doi:10.1016/j.flora.2006.03.004
- **Dietz J**, Hölscher D, Leuschner Ch, Malik A, Amir MA (2007) Forest structure as influenced by different types of community forestry in a lower montane rainforest of Central Sulawesi, Indonesia. In: Tscharntke T, Leuschner Ch, Guhardja E, Zeller M (eds) The stability of tropical rainforest margins: Linking ecological, economic and social constraints of land use and conservation. Springer, Berlin, 131 - 146.
- **Dietz J**, Hölscher D, Leuschner Ch, Hendrayanto (2006) Rainfall partitioning in relation to stand structure in differently managed montane forest stands in Central Sulawesi, Indonesia. *Forest Ecology and Management* 237: 170 - 178. doi:10.1016/j.foreco.2660.09.44
- Zimmermann R, Horna V, **Dietz J**, Schröder R, Börner A (2003) Estudio Multitemporal para Calcular la Tasa de Deforestación en la Cuenca del Alto Mayo, Perú.- Report to the GTZ, Bayreuth, 53 pp.

- **Dietz J** (2002) Variation and Distribution of Forest Types on the Southern Foothills of the Cordillera Cahuapanas, Alto Mayo, Peru. (Master thesis - equival.), University of Bayreuth, 169 pp.
- **Dietz J**, Zimmermann R (2002) Analyse großräumiger Diversität von Regenwäldern - Neue Verfahren gewähren Einblick in den Dschungel Perus. Ökologie und Umweltforschung an der Universität Bayreuth - Biodiversität: Die Vielfalt des Lebens.- Bayreuth, p. 4
- **Dietz J**, Börner A, Dempewolf J, Perisutti A, Zimmermann R (2001) Ecological Classification of Pristine Vegetation in the Rio Avisado and Rio Tioyacu Watersheds, Northern Peru. In: Bussmann RW, Lange S (eds) Conservation of Biodiversity in the Andes and the Amazon. Proceedings of the first international congress of biodiversity. Inka e.V., München.
- Zimmermann R, **Dietz J**, Czimczik C, Schöning I (2000) Rapid Assessment of Forest Structure and Soil Properties at the Wetzstein, Lehesten. Report to BGC-MPI, Jena, 18 pp.

PRESENTATIONS

- **Dietz J** (August 30, 2010) "Destructive sampling and derived allometric equations for above and below ground tree biomass in Western Kenya" GEF scientific steering committee meeting, Washington DC, USA.
- Neufeldt H, Minang PA, **Dietz J** (June 8, 2010) "Measuring carbon in complex landscapes with trees". ICRAF Side even at UNFCCC SBSTA32, Bonn, Germany.
- **Dietz J**, Bobert J, Büchner M, Böhm U, Dietrich O, Gebrekirstos A, Gomani MC, Kashaigili JJ, Kersebaum KC, Kindt R, Kitalyi A, Mahoo H, Mutabazi K, Ojoyi M, Sieber S, Tscherning K (August 28, 2009) "Resilient Agro-landscapes to Climate Change in Tanzania". 2nd World Congress of Agroforestry, Nairobi, Kenya.
- **Dietz J**, Wirth C, Freibauer A, Pokana JN (December 8, 2007) "Where does uncertainty stem from? The role of wood density in carbon pool assessments of tropical forests". ICRAF side event at Forest Day, UNFCCC COP13, Bali.
- **Dietz J** (December 5, 2007) "Improving estimates of national biomass carbon stocks in tropical forests". UNFCCC COP13 side event of the Max-Planck-Institute for Biogeochemistry, Bali.
- **Dietz J** (May 15, 2007) "Enhancing methods for carbon stock estimation in tropical forests". UNFCCC SBSTA26 side event of the GTZ. Bonn, Germany.
- **Dietz J** (March 21, 2007) "Accounting for Soil Organic Carbon (SOC) under the IPCC guidelines - practical sampling approaches". Invited Speaker at the Papua New Guinea Forest Research Institute, Lae, Papua New Guinea.
- **Dietz J** (February 20, 2007) "Rainfall partitioning in differently used montane rainforests of Central Sulawesi, Indonesia". Ecology and Ecosystems Seminar, ETH Zurich, Switzerland.
- **Dietz J** (February 13, 2007) "Land Use, Land Use Change and Forestry - Some Landscape Ecological Aspects". Invited Speaker at the World Agroforestry Centre (ICRAF), Nairobi, Kenya.
- **Dietz J** (April 6, 2006) "Valoración Ecológica de las Cuencas Avisado y Tioyacu & Estudio Multitemporal de Deforestación, Alto Mayo, San Martín, Perú". Invited Speaker at the Proyecto Especial Alto Mayo (PEAM) and GTZ-PDRS, Moyabamba, Peru.

- **Dietz J**, Hölscher D, Leuschner Ch, Malik A, Amir MA (September 22, 2005) "Forest Structure as Influenced by Different Types of Community Forestry in a Lower Montane Rainforest of Central Sulawesi". The stability of tropical rainforest margins: Linking ecological, economic and social constraints of land use and conservation. Göttingen, Germany. *September 19-23, 2005.*
- Treidel H, **Dietz J**, Schröder R, Börner A, Horna V (February 18, 2004) "Land Use Changes in the Alto Mayo Valley, North Peru". Annual Meeting of the German Society for Tropical Ecology (GTÖ). Bayreuth, Germany. *February 17-20, 2004.*
- **Dietz J** (September 24, 2001) "Ecological Classification of Pristine Vegetation in the Río Avisado and Río Tioyacu Watersheds, Northern Perú". Congreso de Biodiversidad: Conservación de la Biodiversidad en los Andes y la Amazonía -Reuniendo a Científicos, ONGs y Comunidades Locales. Cuzco, Peru. *September 24-28, 2001.*

POSTERS

- Bobert J, Dietrich O, **Dietz J**, Festo R, Kashaigili J, Kersebaum KC, Sieber S, Tscherning K (2010) Using Soil-vegetation-atmosphere Models and Downscaled Global Climate Scenarios to Assess the Impact of Climate Change in Morogoro Region, Tanzania. "Tropentag 2010 on International Conference on Research for Development in Agriculture and Forestry, Food and Natural Resource Management" – ETH Zurich, Switzerland. *September 14-16, 2010.*
- Kuyah S, **Dietz J** (2010) How REDDy is African Agriculture? Supplying Robust Carbon Estimates for Agricultural Landscape Mosaics in Western Kenya. "Tropentag 2010 on International Conference on Research for Development in Agriculture and Forestry, Food and Natural Resource Management" – ETH Zurich, Switzerland. *September 14-16, 2010.*
- **Dietz J** (2010) Survival and Growth of Selected Agroforestry Tree Species under Farm Conditions in Western Kenya. "Tropentag 2010 on International Conference on Research for Development in Agriculture and Forestry, Food and Natural Resource Management" – ETH Zurich, Switzerland. *September 14-16, 2010.*
- Tscherning K, Dietrich O, Kersebaum KC, Ojoyi M, Gomani M, **Dietz J**, Sieber S, Gerstengarbe FW (2009) Resilient Agro-landscapes to Climate Change in Tanzania (The ReACCT-Project). "Tropentag 2009 on International Research on Food Security, Natural Resource Management and Rural Development" – University of Hamburg, Germany. *October 6-8, 2009.*
- Tscherning K, Sieber S, Wenkel K, Kersebaum K, Manful D, Dietrich O, Gomani Ch, Lischeid G, M, Ojoyi M, Baur H, **Dietz J**, Kitalyi A, Kindt R, Gerstengarbe FW, Böhm U, Büchner M (2008) Climate Change Impact Assessment and Adaptation Options in Vulnerable Agro-Landscapes in East-Africa. "Tropentag 2008 on International Conference on Research for Development in Agriculture and Forestry, Food and Natural Resource Management Competition for Resources in a Changing World: New Drive for Rural Development" - University of Hohenheim, Germany. *October 7-9, 2008.*
- **Dietz J**, Hölscher D, Leuschner Ch, Hendrayanto (2006) Influence of different forest management activities on rainfall interception in Central Sulawesi, Indonesia. "Trees for poverty alleviation" - Center for International Agricultural Research (ZIL) Annual Conference. Zurich, Switzerland. *June 9, 2006.*
- **Dietz J**, Hölscher D, Leuschner Ch, Hendrayanto (2006) Rainfall partitioning in differently managed montane forest stands in Central Sulawesi, Indonesia. Annual Meeting of the German Society for Tropical Ecology (GTÖ). Kaiserslautern, Germany. *February 21-24, 2006.*

- **Dietz J**, Palomino W, Reich S, Treidel H, Zimmermann R (2004) Soils and Vegetation of Tropical Heath Forests and Bogs - Hill Forest Area of the Rio Avisado, Peru. Annual Meeting of the German Society for Tropical Ecology (GTÖ). Bayreuth, Germany. *February 17-20, 2004.*
- **Dietz J**, Schröder R, Treidel H, Börner A, Horna V, Perisutti A, Zimmermann R, (2004) Land Use Changes and Deforestation in the Alto Mayo Valley, North Peru. Annual Meeting of the German Society for Tropical Ecology (GTÖ). Bayreuth, Germany. *February 17-20, 2004*.
- **Dietz J**, Schröder R, Horna V, Zimmermann R, Börner A, Treidel H, Perisutti A (2003) Deforestation and Land Use Change in the Alto Mayo Valley, North Peru. II Congreso de Biodiversidad: Conservación de la Biodiversidad en los Andes y la Amazonía y IV Congreso Ecuadoriano de Botánica. Loja, Ecuador. *August 25-30, 2003*.
- Horna V, **Dietz J**, Mette T, Börner A, Dempewolf J, Zimmermann R (2002) Ecological Classification of Soils and Pristine Premontane Vegetation in the Alto Mayo Valley, Northern Peru. 2nd Scientific Meeting of the Large Biosphere Atmosphere Experiment in the Amazon. Manaus, Brazil. *July 2002*.
- **Dietz J**, Mette T, Börner A, Dempewolf J, Zimmermann R (2002) Ecological Classification of Pristine Premontane Vegetation in the Alto Mayo Valley, Peru. Annual Meeting of the German Society for Tropical Ecology (GTÖ). Göttingen, Germany. *February 20-23, 2002.*