



CURRICULUM VITAE

Name	Pay DRECHSEL, PhD	Affiliation
Year of Birth	1960	IWMI HQ, POB 2075, Colombo, Sri Lanka
Nationality	German	Email: p.drechsel@cgiar.org
Expertise	Environmental Scientist	
Position	Global Theme Leader "Water Quality, Health and Environment"	

Key Qualifications

Pay Drechsel has 20 years of working experience as environmental scientist in projects aiming at the safe recovery of resources from human waste, integrated natural resources management and sustainable agricultural production in developing countries. Over the last 10 years, Pay is coordinating several multi-disciplinary projects, mostly on urban and peri-urban agriculture, solid and liquid waste management and related environmental and health impact mitigation in the agriculture-sanitation interface.

After joining as Research Network Coordinator the International Board for Soil Research and Management (IBSRAM) in Bangkok, Pay set up and headed IBSRAM's Africa Office from 1997 till 2001. In this period, his research work focussed on soil degradation, resource economics, and applied participatory on-farm research. The latter strongly influenced his perception of impact-oriented and multi-disciplinary research. In 2001, Pay joined the International Water Management Institute (IWMI), first as Head of their West Africa Office, then as Global Theme Leader in charge of 'Agriculture, Water & Cities' with projects on the safe and productive use of wastewater in agriculture in India, Pakistan, Sri Lanka, Ethiopia, and Ghana. In 2008, this division broadened its scope (Water Quality, Health and Environment) to address also other water quality related issues.

Pay supervised a large number of graduate and postgraduate students and is in the scientific and technical advisory committee of different FAO, WHO, DGIS, SIDA and EU funded projects on urban agriculture, the safe use of wastewater in agriculture, and appropriate/ecological sanitation.

Pay has more than 200 publications, with about half in peer-reviewed books and journals. He has worked extensively in West and East Africa, but also Asia and Russia. After longer stays in Thailand, Rwanda and Ghana, Pay moved in 2009 to IWMI HQ in Sri Lanka.

Education

- 1992 Ph.D. (summa cum laude) Environmental Sciences, University of Bayreuth, Germany.
- 1987 M.Sc. Soil Fertility and Plant Nutrition, University of Bayreuth, Germany.

Professional Experience

- 2005 - date Principal researcher and Global Theme Leader, International Water Management Institute (IWMI), CGIAR
Head of IWMI West Africa Office in Ghana (till August 2005)
Overall responsibility for all IWMI projects in the Theme in Asia and Africa; direct project responsibility for different projects on wastewater use.
- 2001 - 2004 Senior researcher at IWMI; Head of IWMI West Africa Office, Ghana
Office management responsibility (35 staff) and leader of different projects, mostly on urban and peri-urban agriculture.
- 1996 - 2001 Senior researcher at International Board for Soil Research and Management (IBSRAM), based in Thailand (1996-1997) and Ghana (1997-2001) in charge of projects in Cameroon, Côte d'Ivoire and Ghana.
- 1995 - 1996 Consultant for Greenpeace & University of Bayreuth in Russia; for GTZ and Deutsche Forstservice GmbH in Benin; and for European Nature-land Association in Germany.
- 1993 - 1994 Consultant for GTZ/ISAR in Rwanda; project work with the National University of Rwanda and the Agroforestry project PASI.

1992- 1993	Joint research project with Geographical Institute of Moscow with fieldwork in Uzbekistan.
1990 -1992	Scientific assistant at the Institute of Soil Science and Soil Geography, University of Bayreuth with Ph.D. field work in Togo, Benin, and Côte d'Ivoire. Consultant for GTZ in Sudan.
1987 - 1988	Subcontracted consultant for BMZ with travel to Italy, France, Benin and Burkina Faso. Consultant for GTZ in Somalia following earlier fieldwork in Somalia in 1985.

List of principle Assignments and Projects

2008-date	Leader of IWMI's global research Theme 'Water Quality, Health & Environment'
2005 - 2008	Leader of IWMI's global research Theme 'Agriculture, Water and Cities'
2002 - date	Leader of several wastewater irrigation projects funded by the CGIAR Challenge Program for Water & Food, FAO, WHO and IDRC. Responsibility for joint sessions with IDRC, WHO, FAO, World Bank at the World Water Week in Stockholm, and World Water Forum (Mexico). Key player in Ghana Irrigation Policy Project; Supervisor of several PhD and MSc students.
2000 - 2004	Leader of the IDRC funded project on Closing the rural – urban nutrient cycle in Ghana through composting and co-composting with different subprojects on (peri)urban agriculture
2002	Organizer of 'Accra Water Conference' with Ministerial Section
2000 - 2001	Leader of the FAO funded project on an Integrated Economic Environmental Impact Assessment of (peri)urban Agriculture in Ghana
1998 - 2000	Leader of the IBSRAM contribution to the DFID funded project on Confronting soil erosion and nutrient depletion in the humid/subhumid tropics (SWNM program)
1999	Organiser of the IBSRAM conference on Urban and peri-urban agriculture in Accra, Ghana, with FAO (and editor of the proceedings)
1996 -1998	Coordinator of IBSRAM's <i>Africaland</i> research network on the management of upland soils with related conference and workshop assignments incl. the organisation of annual meetings and editing of related proceedings
1995 - 1996	Coordinator of field studies on Dioxin, PCB and heavy metal pollution in Moscow, Nishny Novgorod, Dzerzhinsk, and Serpukhov in Russia; Responsible for the development of guidelines for soil mapping for site adapted reforestation on Vertisols in Benin with extensive local fieldwork (with D. Hincourt).
1994	In charge of the development of an SPSS-program and manual for the interpretation of plant analysis with DRIS and supervision of DRIS studies on coffee and bush beans.
1993/94	Chief consultant working on the analysis and documentation of five years of GTZ field experiments on green manuring, planted fallows, and erosion control (participatory approach) in Rwanda.
1992/93	Team member of a project on Holocene climate change in Uzbekistan, Central Asia.
1991	Supervision of soil and land suitability evaluation studies for reforestation in the Jebbel Mara area, Sudan.
1990-1992	In charge of a project on relationships between growth, nutrition and site factors of teak plantations in the rainforest zone of West Africa (Togo, Benin, Côte d'Ivoire).
1988	Consultant for soil surveys for reforestation and erosion control, site adapted species selection, and rainwater harvesting for tree establishment in Central and Northern Somalia. Study on fertilization trials in Benin and supervision of agroforestry trials in Togo.
1987/88	Co-author of BMZ report 93 on the Impact of afforestations in developing countries with visits of FAO, GTZ, CTFT, as well as field studies in Benin and Burkina Faso.
1985	Team member working on soil surveys for reforestation, rainwater harvesting, and the study of endangered fodder plants in Central Somalia (with W. Zech and M. Kaupenjohann).
Languages	Mother tongue: German; Professional language: English; Working knowledge: French