



Water Issues and Ecological Sustainability in Areas of Urbanization

SÃO CARLOS, 5-8 MAY, 2014

Profile of the Participants



Water and Health



Carmen ANTHONJ (Germany)

University of Bonn
Institute for Hygiene and Public Health
WHO Collaborating Centre for Health Promoting
Water Management and Risk Communication
Public Health, Medical Geography, Food Security, Bonn



Petrus GALVÃO (Brazil)

Petrus Galvão is graduated in Biologic Science – Marine Biology (2003) and presented his Ph.D. thesis in 2012 by the Federal University of Rio de Janeiro. In 2009 traveled to Germany, to work in HelmholtzZentrum in Munich, where he learned techniques about mass spectrometry and environmental sample analysis. The dynamic of inorganic and organic (POPs) contaminants in the coastal marine environment has been the main focus of his scientific study. He has special interest on marine bivalve rearing activity.



Daniel KARTHE (Germany)

Helmholtz Centre for Environmental Research – UFZ
Department Aquatische Ökosystemanalyse und Management, Magdeburg



Panagiota KOTSILA (Germany)

University of Bonn
Center for Development Research
Department of Political and Cultural Change, Bonn



Debora SANTOS (Brazil)

Debora Santos holds a Ph.D. in Science with specialization in Virology, from the Parasitic Biology Program of the Oswaldo Cruz Institute – Oswaldo Cruz Foundation (2010). She worked in collaboration with the Environmental Virology Group (LVCA/IOC/FIOCRUZ) in establishing techniques for the detection and characterization of the enteric virus transmission in wastewaters and in water reuse in intensive pig farming systems. Currently she is an Adjunct Professor of the Institute of Veterinary of the Federal Rural University of Rio de Janeiro. Her line of research encompasses the characterization of the hepatitis E virus in new reservoirs as well as the study of pigs as hepadnavirus vessels.



Raquel SOARES (Brazil)

Junior Professor at Federal University of Rio de Janeiro (UFRJ) since 2009. PhD in Biological Sciences by UFRJ having part of the thesis developed at Wright State University-USA under supervision of Prof. Wayne Carmichael. For a long time has been working with Environmental Toxicology on the subject of toxic cyanobacteria and its risks for public health and aquatic biota. In 2010 was invited to participate in one of the working groups of experts at Brazilian Ministry of Health to review the Brazilian legislation for drinking water quality control. That resulted in new parameters of monitoring and limits for cyanotoxins in drinking water in Brazil.



Alexandra SUHOGUSOFF (Brazil)

Alexandra received her BSc. Degree in Geology and her PhD in Hydrogeology from Institute of Geosciences – University of Sao Paulo (IGc-USP), where she is currently Associated Professor in the Sedimentary and Environmental Geology Department and senior researcher at Groundwater Research Center (CEPAS). Recently she obtained her Pos-Doctoral Degree from Institute of Geosciences - Federal University of Rio Grande do Sul (IG-UFRGS) researching the topic “Groundwater Flow Modeling in a Recharge Area of Guarani Aquifer System (GAS)”. Her main expertise areas are Environmental Geochemistry, Hydrogeochemistry, Contamination of Water Resources Research and Groundwater Flow and Contaminant Transport Modeling. Throughout her career, she gained experience in applying Stable Isotopes (H, O, N, C) to understand the nitrogen geochemistry in onsite wastewater systems.

Water and Ecosystem Services



Angela FUSHITA (Brazil)

Biologist and Phd in Ecology and Natural Resources at Federal University of São Carlos (UFSCar). Actually, Fushita is an associated researcher in Environmental Science Department in this university. At present, collaborates with graduation and post-graduation courses in institutions, teaching subject "Nature, Society and Development" and "Geotechnology and Conservation Biology. She works with researches about watershed modeling, landscape models, ecosystem services and public policies.



Pedro GATTI (Brazil)

Biologist, PhD candidate in Ecology and Natural Resources, Federal University of São Carlos (UFSCar), SP
Researcher at the International Institute of Ecology, São Carlos



Saskia KNILLMANN (Germany)

Helmholtz Centre for Environmental Research - UFZ
Department of System Ecotoxicology, Leipzig



Kinga KRAUZE (Germany)

European Regional Centre for Ecohydrology
of the Polish Academy of Sciences, Lodz

**Natalia PERIOTTO (Brazil)**

She is currently a Ph.D. student of the Graduate Program of Ecology and Natural Resources of the Federal University of São Carlos – studying the Valuation of ecosystem services in watersheds. She holds a Master degree in Ecology and Natural Resources, from the Federal University of São Carlos (2011) and an undergraduate degree in Biological Sciences from Unesp – Institute of Biosciences, Language and Exact Sciences (BSc, 2003 and BA, 2004).

**Jorge Luiz RODRIGUES (Brazil)**

Jorge Luiz Rodrigues is a biologist and has Doctor degree by Ecology in Federal University of São Carlos. Since 2007, Rodrigues is a researcher in International Institute of Ecology and, this period, he participated in several projects and environmental studies in continental aquatic systems (rivers and reservoirs). In these projects the study focus were distinct aspects of the environment, such as the emission of greenhouse gases, ecological attributes of fish and plankton communities, patterns of limnological variables and interactions between terrestrial and aquatic systems.

**Florian SELGE (Germany)**

Berlin University of Technology
Department of Water Quality Control, Berlin

**Michael Strohbach (Germany)**

Thünen-Institute of Biodiversity, Braunschweig

**Ingo WANHRIED (Brazil)**

Is Professor at the Geosciences Department of the Federal University of Amazonas in Manaus since 2012, and vice-director of the International Affairs Office of this university since 2013. Dr. Wahnfried graduated as a geologist at São Paulo University (USP) in 2004. During his Ph.D., also done at USP, he studied fractured aquifers, applying techniques such as discrete hydraulic testing and water sampling using straddle packers, geophysics, isotopes in water and hydrochemistry to develop a conceptual flow model. Part of the research was conducted at the United States Geological Survey. His current research interest shifted to two main topics: giving support to groundwater use in Manaus by refining the geology and hydrogeology of the Alter do Chão Aquifer in the city, and contributing to understanding the relation between hydrogeology and plant distribution in the Amazon forest in undisturbed areas. Dr. Wahnfried is also an associate researcher at the Groundwater Research Center

(CEPAS) of USP, participating in projects that study contaminated fractured aquifers in the city of São Paulo.



Eugenia ZANDONÀ (Brazil)

BSc: Natural Sciences- Università degli Studi di Padova, Italy, 2004, PhD: Ecology - Drexel University, USA, 2010. Zandonà is an Assistant Professor in the Department of Ecology at the State University of Rio de Janeiro (UERJ). She is also a member of the Post-Graduate Program in Ecology and Evolution at UERJ, advising students in a variety of projects about stream community and ecosystem ecology. Her main interests are on aquatic ecosystem functioning, focusing on land-use impact on important ecosystem processes, such as leaf decomposition, periphyton accrual, nutrient cycling, on food web structure and on the role of macroconsumers (fish and shrimp) as nutrient recyclers. Zandonà is also involved internationally in projects about eco-evolutionary feedback dynamics and the evolution of placenta in Poeciliidae fish.



Water and Land Use



Samuel BESKOW (Brazil)

Samuel Beskow got his bachelor's degree in Agricultural Engineering from the Federal University of Pelotas – UFPel (2004), master's degree in Agricultural Engineering (Irrigation and Drainage) from the Federal University of Lavras – UFLA (2006) and doctorate in Agricultural Engineering (Water and Soil Engineering) from UFLA (2009). The doctorate was obtained through a sandwich program at Purdue University (USA), at the National Soil Erosion Research Laboratory (NSEL). Beskow is a professor at Federal University of Pelotas – UFPel, having teaching and research activities in the undergraduate course of Water Resources Engineering. Also, he is the coordinator of the Postgraduate Program in Water Resources at UFPel. His study field is hydrology, working with hydrological and sedimentological monitoring, and hydrological modeling and simulation in watersheds, using Geographical Information Systems (GIS) and different programming languages. He coordinates the Hydrological Simulation and Data Processing Laboratory (UFPel), advising undergraduate and postgraduate students in the development of research projects, in the field of hydrology, using watersheds situated in the southern Rio Grande do Sul state – Brazil as an experimental laboratory. Beskow won the 2013 Bunge Foundation Award in the area of Water Resources for Agriculture – Youth Category.



Fernando DORNELLES (Brazil)

Graduated on Civil engineer, masters and doctorate in Water Resources and Environmental Sanitation from Post-graduation Program of the Institute of Hydraulic Research in Federal University of Rio Grande do Sul State. Worked on several project in hydrology and urban drainage plans, currently is researcher and professor of IPH/UFRGS, where teach classes of Hydrology, Instrumentation/Hydrometric and Urban Drainage Management, and is engaged on experimental researches for control and harvesting rainwater. Also, is reviewer of Revista Brasileira de Recursos Hídricos (RBRH).

**Caroline GALHARTE (Brazil)**

Graduated in Bachelor and Bachelor of Letters from the Universidade Estadual Paulista Júlio de Mesquita Filho (2003); currently pursuing Environmental Engineering from the Federal University of São Carlos; Master of Science in Environmental Engineering from the University of São Paulo (2007), Ph.D. in Environmental Engineering Sciences from the University of São Paulo (2011), Post-doctoral student at Embrapa Southeast Livestock, acting on the following topics: soil quality, quality water use change and land cover and modeling and simulation of watersheds.

**Björn GÜCKER (Germany)**

Federal University of São João del-Rei
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**Anke HILDEBRANDT (Germany)**

Max-Planck Institute for Biogeochemistry
Department of Biogeochemical Processes - Ecological Modelling, Jena

**Paul LEHMANN (Germany)**

Helmholtz Centre for Environmental Research – UFZ
Department of Economics, Leipzig

**Priscilla MOURA (Brazil)**

Bachelor's degree in Civil Engineering from the Federal University of Minas Gerais (2001), master's degree in Sanitation, Environment and Water resources from the Federal University of Minas Gerais (2004) and PhD in Civil Engineering at INSA of Lyon (2008). Currently Assistant Professor at the Federal University of Minas Gerais. Working mainly in the following themes: urban hydrology with emphasis on urban drainage, multi-criteria analysis and decision support systems.



Antonio LEAL (Brazil)

Graduated in Environmental Engineering from University of Pará and Masters in Environmental Sciences from the Federal University of Pará, Antonio Leal is Assistant Professor of Biological Sciences course at the Federal University of the South and Southeast of Pará and PhD student of the Graduate Program in Environmental Engineering Sciences (School of Engineering of São Carlos - University of São Paulo). Has experience with work related to environmental analysis of the impacts of different systems of soil uses and occupations on natural resources and ecosystem services. Also acts in the application of indicators of environmental quality and environmental analysis tools in the rural environmental management and planning.



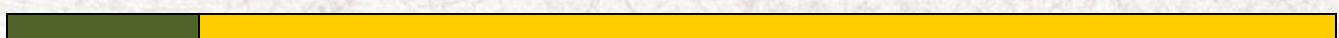
Talita SILVA (Brazil)

She has a co-direction PhD in Sciences and Environmental Technology from Université Paris-Est (France) and from Universidade Federal de Minas Gerais - UFMG (Brazil). She is civil engineer from UFMG and holds a master's degree in Water Management from Ecole des Ponts ParisTech (France). Currently, she is junior professor at UFMG and teaches hydrology and water resources management in environmental engineering undergraduate program. Her recent research has focused on coupling hydrological and lake ecological modelling to assess urbanization impacts on cyanobacteria dynamics. Talita's areas of interest are monitoring and modelling of urban catchments and urban water bodies, water resources management and land-use management.



Ingo ZASADA (Germany)

Institute of Socio-Economics
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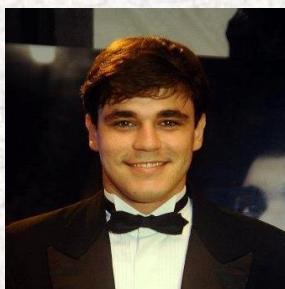
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