

**FORUM ON
SCIENCE, TECHNOLOGY & INNOVATION
FOR SUSTAINABLE DEVELOPMENT**

11 to 15 JUNE 2012
RIO DE JANEIRO, BRAZIL



Chair:

Dora Anne Lange Canhos ([CRIA](#), [CODATA](#))

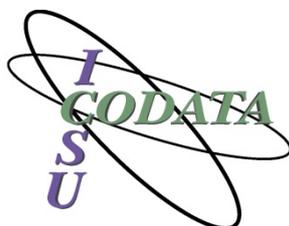
Speakers: (20' presentations)

1. Susana Adamo ([CIESIN](#), [Columbia University](#)):
 - *Developing Global Socioeconomic Datasets for Integration with Environmental Data*
2. Christopher Barcellos ([Fio Cruz](#), [Rede CLIMA](#)):
 - *Climate Change and Health Data Challenges*
3. Carlos Frederico Angelis ([CEMADEN](#)):
 - *Data for natural disasters monitoring*
4. Peter Hoeppe (Head Geo Risks Research/Corporate Climate Centre Munich Re):
 - *High quality data of impacts of natural disasters are the basis for effective risk management*

Practical Information:

Address of the venue and free registration are available on the Forum website:

<http://www.icsu.org/rio20/science-and-technology-forum/about/practical-information>



Biographical Summaries of Session Participants

Chair:



[Dora Ann Lange Canhos](#), Associate Director, Reference Center on Environmental Information (CRIA) (<http://www.cria.org.br>), has been working with databases and on-line information systems since 1985. She is a member of the developing team of the speciesLink network (smlink.cria.org.br), of the information system of collections of biotechnological interest (sicol.cria.org.br) and is part of the coordinating team of the National Institute of Science and Technology Virtual Herbarium of Plants and Fungi (inct.florabrasil.net). She also represents CRIA at the Clearing-House Mechanism Informal Advisory Committee of the Convention on Biological Diversity (www.biodiv.org/), and as a member of the steering committee of GEO BON (Group on Earth Observations – Biodiversity Observation Network - www.earthobservations.org/geobon.shtml). During the period of 2003-2008 she was a member of the CODATA Task Group on Preservation and Archiving of Scientific and Technical Data in Developing Countries. She is currently a member of the CODATA Executive Board. <http://www.codata.org>

Speakers:



[Susana B. Adamo](#) is Associate Research Scientist at the Center for International Earth Sciences Information Network (Earth Institute, Columbia University), adjunct assistant professor at the School of International and Public Affairs and Columbia College, and co-coordinator of the Population and Environment Research Network (PERN). She holds a B.S. in geography from the University of Buenos Aires, an M.S. in population studies from FLACSO-Mexico, and a Ph.D. in demography/sociology from the University of Texas at Austin. Her research interests include environmental migration and displacement, the dynamics of internal migration in developing countries, rural/urban demography, migration and health, and issues related to global and regional georeferenced population databases. Among other projects, she has worked on circular migration in Thailand; migration and socioeconomic change in rural and small town Argentina; migration and meningitis in Sahel countries; land use and population change in Latin American and the Caribbean; migration, urbanization and health in China; and the development of gridded population databases.



[Carlos Frederico Angelis](#) holds a PhD in Geography and Environmental Sciences from the University of Birmingham, UK, a Master in Remote Sensing from the National Institute for Space Research (INPE), Brazil and a BSc. in Geography. As a researcher at the Brazilian Centre for Monitoring and Warnings of Natural Disasters (CEMADEN), he develops research and studies focusing on rainfall estimation using remote sensing of the atmosphere (weather radars and satellites). He is also involved in research applied to early warning systems for natural disasters. He is lecturer of Remote Sensing of the Atmosphere using active and passive

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microwave at the Brazilian Institute for Space Research (INPE) Postgraduate program and at the moment he is the current General Coordinator for Operations and Modelling at CEMADEN.



Christovam Barcellos is geographer, master in Public Health and doctor in Geosciences by Fluminense Federal University (Rio de Janeiro, Brazil). He is researcher at the Department of Health Information Research, Oswaldo Cruz Foundation (Fiocruz), Brazilian Ministry of Health, Rio de Janeiro, since 1996. He also acted as invited researcher at Centre for Scientific Innovation (CISE, Milan, Italy). Christovam is professor of Health Geography at Brazilian National School of Public Health, advising and developing research on environmental and social determinants of infectious diseases.

Parallel to the academic career he has been working at Rio de Janeiro State Health as a public health technician (1985-1996) and advisor of the Secretary of Health Surveillance, Brazilian Ministry of Health (2001-2003). Currently Christovam is deputy director of research at the Health Communication and Information Institute (Fiocruz), coordinating initiatives for health information production and dissemination.



Peter Hoeppe joined Munich Re in 2004. Currently he is heading the Munich Re division “Geo Risks Research/Corporate Climate Centre”. Before joining Munich Re Prof. Hoeppe has worked in different university institutes at the Ludwig-Maximilians-University in Munich and as a post doc at Yale University (USA). His academic education is in meteorology (Masters and PhD) and human biology (PhD). His main areas of research have been effects of atmospheric processes (heat/cold, UV radiation, air pressure fluctuations) and air pollutants (ozone, particles) on humans and the general assessment of environmental risks. Currently his research focus is on trends of natural

catastrophes and their drivers and on climate change effects on insurance industry in general. Prof. Hoeppe is scientific member of many scientific societies and has held expert functions in different UN-Organisations. He is founder and Chairman of the Munich Climate Insurance Initiative and one of the initiators of the Desertec Industrial Initiative. He has been appointed as Climate Change Advisor of the Bavarian State Government and Chair of the “Finance-Forum: Climate Change” of the German Federal Government. Since 2005 he has been a Board member of the Global Climate Forum (GCF, former ECF).

