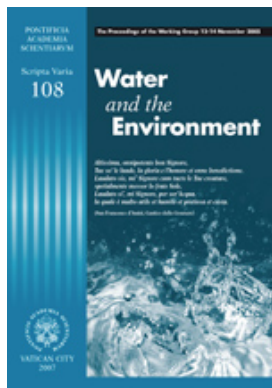




Water and the Environment



Working Group 12-14 November 2005

Scripta Varia 108

Vatican City, 2007

pp. XVIII-234

ISBN 978-88-7761-091-1

The Fair Distribution of Water (PDF)

Reza Ardakanian

BIODIVERSITY AND HYDROLOGIC DYNAMICS

Threatened Biodiversity: Understanding, Predicting, Taking Action (PDF)

Marino Gatto & Renato Casagrandi

Ecohydrological Optimization of Pattern and Processes in Water Limited Ecosystems (PDF)

Kelly K. Caylor, Todd M. Scanlon, Ignacio Rodríguez-Iturbe

GLOBAL HYDROLOGY AND HYDROLOGIC DYNAMICS

Water Distribution and Availability: an Overview of Climate Change Impacts on Water Resources (PDF)

Bisher Imam & Soroosh Sorooshian

CLIMATE CHANGE AND HYDROLOGIC DYNAMICS

Worldwide Changes in Evaporative Demand (PDF)

Graham Farquhar and Michael Roderick

Impact of Aerosols on the Hydrological Cycle (PDF)

Ulrike Lohmann

LAND-ATMOSPHERE INTERACTIONS

Plant Hydraulic Properties Limit Photosynthetic Capacity and Regeneration Potential (PDF)

Gabriel Katul, Ram Oren, Heather McCarthy, and Kimberly Novick

Precipitation Suppression by Anthropogenic Air Pollution: Major Loss of Water Resources Where We Need Them Most (PDF)

Daniel Rosenfeld

Climate and Land Use Changes in Amazonia: Impacts on the Hydrological Cycle and on Biome Distribution (PDF)

Carlos A. Nobre, Gilvan Sampaio and Luis Salazar

RIVER BASINS

River Basins: Water and Complex Adaptive Systems (PDF)

Andrea Rinaldo

Heading Towards Basin-Level Hydrosolidarity Goal for Land/Water/Ecosystem Coordination (PDF)

Malin Falkenmark

OTHER CONTRIBUTIONS

From the Physics of the Small to Large Basin Synthesis (PDF)

Lucio Ubertini

Water and the Environment: Concluding Comments (PDF)

Howard S. Wheater

Contribution to Final Discussion (PDF)

James Dooge

Statement of the Workshop on Water and the Environment (PDF)

Ignacio Rodríguez-Iturbe