

International Commission on Water Quality

Report on ICWQ activities in the period June 2010 – May 2011

The following is a summary of activities that have been undertaken by ICWQ members since June 2010 until May 2011.

Organization of IAHS events/sessions

ICWQ was actively involved in the preparation of the Scientific Program of XXV IUGG General Assembly “Earth on the Edge: Science for a Sustainable Planet” to be held in Melbourne, Australia 28 June - 7 July 2011. ICWQ members are involved as convenors and co-convenors in the following symposia and workshops:

<i>Symposium or workshop</i>	<i>Code</i>	<i>Title</i>	<i>Convenor (ICWQ member)</i>	<i>Co-convenor (ICWQ member)</i>
Symposium	J-HW02	Interaction between fresh water and ecosystem in the coastal zone		Kate Heal
Symposium	H01	Conceptual and modelling studies of integrated groundwater, surface water, and ecological systems		Elango Lakshmanan
Symposium	H04	Assessment of water quality under changing climate conditions	Jake Peters*	Valentina Krysanova
Workshop	HW02	Understanding and quantifying physical and geochemical processes during artificial recharge of groundwater		Elango Lankshmanan
Workshop	HW10	Water quality and sediment prediction in ungauged basins	Berit Arheimer	
Workshop	HW11	Water supply and water quality in large metropolitan areas and megacities	Valentina Krysanova	
Workshop	HW12	Quality and quantity aspects of green and blue water: Impact on agriculture, environment, energy and industry	Uttam Sharma	

* former ICWQ President, suggested by an ICWQ member

Besides, Berit Arheimer will be a Swedish delegate at the IUGG council, and a National Representative for Sweden at the IAHS Bureau meetings in Melbourne. Berit Arheimer is a Member of the Local Organising Committee for IAHS, IAPSO, IASPEI general assemblies in Gothenburg 2013.

Organisation of other water quality-related conferences and workshops

The ICWQ members were involved in organisation of the following water quality related Conferences and Workshops:

- ICWQ contributed to the organisation of a Seminar: “Water Quality in Capacity Development: Policy Options and Practical Solutions in the National and Transboundary Context” during the World Water Week in Stockholm in September 2010 together with UNESCO International Hydrological Programme (UNESCO-IHP), Federal Institute for Geosciences and Natural Resources, Germany (BGR), Capacity Building International (InWent), International Association of Hydrogeologists (IAH), African Groundwater Network (AGW-net) and Swedish International Hydrological Programme (Swedish IHP) (*VK* and BA* as organizers and conveners*)
- Constructed Wetlands Research Group meeting, Scotland, June 2010 (*KH as co-convenor*)
- International SWAT Conference, Toledo, Spain, June 2011 (*VK as a Scientific Committee member and convenor*)
- United Nations Programme on Climate Change and Adaptation meeting in Bangkok, Thailand (*USH as a Panellist*)
- Four water quality related programmes for the awareness of the rural people in Jammu and Samba districts of Jammu and Kashmir state under the NGO ‘Centre for Natural Resources Management’ (*USH as an organizer*)
- Groundwater contamination session at 3rd International Perspective on Current & Future State of Water Resources & the Environment, IIT Madras, Chennai, India (*EL as a Chair*)
- Session on Sea Water Intrusion in Coastal Areas under WAR for Water Programme at Centre for Studies on Bay of Bengal, Andhra University, Visakapattanam, India (*EL as a Member of Brainstorming Session*)
- Indo-Tunisia Workshop on Water Sciences and Technology held at Tunis, Tunisia (*EL as an Expert committee member*)
- EGU Session on Predictions in Ungauged Basins, Vienna, Austria, 2010 (*BA as a chair and co-convenor*)
- EGU Session 2.16 on Water Quality at the Catchment Scale, Vienna, Austria, 2011 (*BA as a co-convenor*)
- Swedish IHP: Workshop on Comparison of Nutrient Models, 28-30 March 2011, Söderköping, Sweden (*BA as an initiator, organizer, chair*).

Involvement in water quality-related projects and working groups

Four ICWQ members are involved in 35 national and international projects and working groups.

PhD supervision

Four ICWQ members supervise 23 PhD students.

Publications (from 1 January 2010)

Four ICWQ members have 25 publications in ISI Journals and 32 other publications (articles in the IAHS red books, book chapters, articles in the conference Proceedings).

Other activities

- Hydrological Sciences Journal, Associate Editor (KH*)
- Regional Environmental Change, Associate Editor (VK)
- Scottish Alliance for Geoscience, Environment and Society, Co-convenor Theme 2 on Terrestrial Carbon (KH)
- Natural Environment Research Council, Peer Review College, Member (KH)
- Royal Society International Grants programme, Reviewer (KH)
- The Asia Pacific Association of Hydrology and Water Resources, Japan, Advisor. (USH)
- Research Advisory Committee, Indian National Bureau of Soil (USH)
- Indian Survey and Land Use Planning, Member (USH)
- Asia-Oceania Geo-Science Society, Member (USH)
- International Soil Tillage Organization, Member (USH)
- Indian Potato Association, Vice-President & Life Member (USH)
- Indian Society of Hill Farming, Vice-President & Life Member (USH)
- Asian Agri-History Foundation, Founder Member (USH)
- Indian Society of Agronomy, Life Member (USH)
- Indian Society of Soil Science, Member (USH)
- Member of evaluation team for Finnish Academy climate change research fund (BA)
- Cluster leader in the Swedish national research programme Climate change and Environmental Objectives (BA)
- Member in scientific committee of PUB initiative of IAHS (BA)
- Member in scientific jury of Swedish Junior Water Prize, linked to Stockholm World Water Week (BA)
- Member in BALTEX scientific steering committee (BA)
- Member in the steering board of the Water Management Program at SMHI (BA)
- Member in the Swedish expert group of UNESCO scientific programmes IHP (BA)

* Abbreviations: KH – Kate Heal, VK – Valentina Krysanova, BA – Berit Arheimer, USH - Uttam Sharma, EL – Elango Lakshmanan