

Special Session: Climate Change and Water in Developing Countries

Organized by: International Development Research Centre (IDRC), Canada

Date: 27th May 2015, 10.30 – 18.15

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The Intergovernmental Panel on Climate Change's (IPCC) 5th Assessment Report notes that 93% of the impacts associated with climate change will be felt in the water sector (IPCC, 2014). Developing countries are particularly vulnerable to the water-related impacts of climate change such as flooding in populated areas, variability in water supply, drought, changing precipitation patterns, and extreme weather. These impacts in turn affect water quality and availability, which have consequences in terms of economic growth, sustainability, and health.

At the full-day special session, "Climate Change and Water in Developing Countries" hosted by Canada's International Development Research Centre (IDRC), researchers from eleven countries across three world regions will present evidence to inform climate change adaptation debates and policies in the water sector in their respective contexts. The session panels will address adaptation challenges investigated by IDRC funded research projects including: issues of water governance in communities vulnerable to climate change; adapting to climate variability from farm to basin level; and climate impacts on water resource management. A final debate will discuss some of the most contentious issues that developing countries are confronting due to climate change.

The following papers will be presented at the special session:

1. **Allan Cain**, Development Workshop, Angola
"Water resource management under changing climate in Angola's coastal settlements"
2. **Adrian Cashman**, University of West Indies, Barbados
"Integrated watershed analysis: Analyzing the impact of climate change and variability on agriculture and food security in Barbados"
3. **Louis Lebel**, Unit for Social and Environmental Research, Chiang Mai University, Thailand
"Improving climate risk management as an adaptation strategy in inland aquaculture in northern Thailand"
4. **Roger Madrigal**, Centro Agronómico Tropical de Investigación y Enseñanza (CATIE), Costa Rica
"Adaptive capacity, drought, and the performance of community-based drinking water organizations in Costa Rica and Nicaragua"
5. **Deunden Nikomborirak**, Thailand Development Research Institute, Thailand
"Climate Change and the Flood Management Challenge: The Case of Thailand"
6. **Quynh Anh Nguyen**, National Institute for Science and Technology Policy and Strategy Studies, Vietnam

“Gender and climate change communication in rural settings: The case of delta city in Vietnam”

7. **Paula Pacheco**, Agua Sustentable, Bolivia

“Climate change impact assessment of water management for agricultural use in the Bolivian Altiplano”

8. **Miguel Pinedo**, Columbia University, USA

“Sustaining the provision of ecosystem services and goods at the land/water interface: Connectivity and resilience of riparian forests under sea level rise at the Amazon Estuary”

9. **Abdramane Soura**, University of Ouagadougou, Burkina Faso

“Access to drinking water in a context of scarcity: The case of Ouagadougou’s informal settlements, Burkina Faso”

10. **Felipe Vasquez**, Universidad del Desarrollo, Chile

“Economic impacts of climate change at river basin scale: Insights from a hydro-economic model”

11. **Jinxia Wang**, Centre for Chinese Agricultural Policy, Chinese Academy of Sciences, China

“Adaptive irrigation measures to deal with extreme weather events in the North China Plain”