

# Climate Change: Global Change and Local Adaptation

6-9 June 2010  
Hotel Rangá, Hella, ICELAND  
<http://www.hotelranga.is/>

## Conference Agenda

### Organizers

Todd Bridges (Director), U.S. Army Engineer Research and Development Center, USA  
Igor Linkov (Chair), U.S. Army Engineer Research and Development Center, USA  
Ahmed Abdel Hady (Co-Director), Cairo University, EGYPT  
I. Jonsdottir, University of Iceland, ICELAND  
G. Kiker, University of Florida, USA  
Abou Bakr Ramadan, National Center for Environmental Research, EGYPT

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### Proceedings Publisher

Springer, [www.springer.com](http://www.springer.com)



**Linkov, & Bridges:** Scientific Background, Goals and Overview

**Opening Address:**

**Ólafur Ragnar Grímsson (President of Iceland):** The Challenge of Climate Change

**Keynote Presentations**

**Stockton (Chief Engineer, USACE):** US Army Corps of Engineers: Responding to Climate Change

**Holland (Chief Scientist, USACE):** Water-Climate Interface - Impacts and Adaptation Research

**Scarlett (former Deputy Secretary, US Department of Interior):**

Climate Adaptation: The Nexus of Science, Collaboration and Decision Making

***Climate Change: International Perspectives***

**Mortsch:** IPCC: Vulnerability and Adaptation

**Hillel:** Climate Change Adaptation: Developing World Perspectives

**Hady:** Climate change: Global, Regional and National dimensions

***Global Climate Change***

**Lewis:** Seamless weather and climate for security planning

**Björnsson:** Climate Change and Iceland

**Geiss:** Energy Security in a Global Context

***Regional Aspects of Adaptation: Panel Discussion***

**White:** USA

**Troccoli:** Europe/Australia

**Sterin:** Russia

**Bromberg:** Israel

**El Raie:** Egypt

**Discussion**

***Adaptation: Methods***

**Hallegatte:** Adaptation to climate change: Economic analysis and Decision-making under uncertainty

**Linkov, Bridges, Scarlett:** Adaptive Management Needs and Solutions

**Munoz-Carpena:** Climate Change Modeling and Global Uncertainty Analysis

***Climate Change and Iceland***

**Á. Höskuldsson:** The Eyjafjallajökull eruption in 2010

**F. Höskuldsson:** The role of the ICG regarding natural hazards.

**Jóhannesdóttir:** Hazards in Iceland, local adaptation.

***CC Adaptation: Examples***

**McBride:** U.S. Navy's Climate Change & Energy Initiatives

**Ranger:** Revisiting the generation and interpretation of climate models experiments for adaptation decision-making

**Klein:** Adaptation to climate change in coastal areas: more than technology

**Bowman:** Adaptation Challenges for Water, Power, and Waste Management: Examples from China and USA

***Cognitive and Social Aspects of Risk Assessment and Vulnerability (main hall)***

**Brklacich:** Climate Change, Human Vulnerability and Security

**Nyer:** Climate Change-Cost of impacts and lines of adaptation in France

**Palma:** Risk Perception and Communication



***Environmental Security Under Climate Change (***

**Jones:** Downscaling from Global to Local: Implications for Vulnerability Research

**Merad:** Sustainable Development and Climate Change

***Work Group Reports***

**Kiker and Ranger:** WG1 Coastal Systems

**Lambert and Troccoli:** WG2 Inland Systems

**Russo and McBride:** WG3 Military Installations and Operations

**Posters**

**Thorne and Butte:** An Expert Model of Influences of Climate Change on USACE Environmental Risk Management

**Salama:** Mapping Sea Level From Space: Precision Orbit Determination And Satellite Altimetry

**El-Raey:** Climate Changes Impacts on Egypt and the Arab Countries

**Linkov and Kiker:** Use Of Multi-scale Models, Data and Scenario Projections To Reduce Risk Of Climate Change Effects On Birds at Florida Military Installations

**Bennett:** Climate Change and Sustainable Energy

**Tkachuk:** Integrated Threat, Vulnerability and Consequence Model: Application to Energy and Climate

**Barlettani:** Big sized photovoltaic plants in Italy: strategic solution for power generation from renewable sources

**Yumagulova:** Resilient by design: adapting cities to climate change

**White:** US Water Resources Management Climate Change Adaptation Methods

**White:** US Army Corps of Engineers Climate Change Decision-Making

**White:** Linking Adaptation and Mitigation Measures at USACE Water Resource Projects

**White:** Mapping and Analyzing Regional Climate Effects to Support Decision-Making in Watersheds

**Rögnvaldsson:** SAR Weather forecast

**Jónsdóttir:** Real time monitoring of natural hazards

**Linkov:** Professor W.R. Schell - a tribute to an outstanding environmental scientist

**Lambert:** Adaptation to Climate Change and Emergent Conditions Influencing Erosion in Alaska Communities

**Lambert:** Energy Security Alternatives for Installations: Addressing Regulatory Needs and Uncertain Future

**Finnsson:** Geometry, mass balance and climate change response of Langjökull ice cap, Iceland

**Pórhallsdóttir:** Early flowering as an indicator of global warming: a nationwide local community monitoring project.