

HUMAN SECURITY AND CLIMATE CHANGE
International Workshop at Holmen Fjord Hotel, Oslo, 21–23 June 2005

TUESDAY 21 JUNE

19.00 Welcome Dinner, Holmen Fjord Hotel

WEDNESDAY 22 JUNE

Opening session. Chair: Karen O'Brien (Holmensalen)

8.15–9.00 Coffee and Registration

9.00–9.30 *Opening and Welcome Addresses*
Karen O'Brien, Co-chair of the workshop
Åshild Mathisen, Ministry of the Environment
Inger-Ann Ulstein, Research Council of Norway

9.30–10.15 *Keynote Address: Andrew Dugmore: Have We Been Here Before? Climate Change and the Contrasting Fates of Human Settlements in the Atlantic Islands*
(Dugmore, Keller and McGovern)

10.15–11.30 Papers in Plenary (3 papers @ 15 min, 30 min for discussion)

Plenary Session. Chair: Nils Petter Gleditsch (Holmensalen)

1. *Security and Climate Change: Towards an Improved Understanding*
(Barnett and Adger)
 2. *Social Risk, Climate Change and Human Security. An Introductory Study of Metropolitan Area of Buenos Aires*
(Gonzalez and Murgida)
 3. *Adaptive Capacity to Climate Risk and Human Security*
(Sharma, Patwardhan and Parthasarathy)
- Discussant: Chris Sear (10 minutes)
General Discussion (20 minutes)

11.30–11.45 Break

11.45–13.00 Papers in Parallel Sessions (3 papers @ 15 min, 30 min for discussion)

Parallel Session A. Chair: Hans Bohle (Holmensalen)

- A.1. *Hot Planet, Cold Wars: Climate Change and Ideological Conflict*
(Kane)
- A.2. *Does Environment Link to Economic Growth?*
(Dinda)
- A.3. *Who Cares About the Weather? Climate Change and U.S. National Security*
(Busby)

Discussant: Mike Brklacich (10 minutes)
General Discussion (20 minutes)

Parallel Session B. Chair: Indra de Soysa (Kinoen/The Cinema)

B.1. Climate Change, Environmental Damage and Armed Conflict
(Raleigh and Urdal)

B.2. Environmental Influence on Pastoral Conflict in the Horn of Africa
(Meier and Bond)

B.3. The Impacts of Conflict on Household Vulnerability to Climate Stress: Evidence from Turkana and Kutui Districts in Kenya
(Eriksen and Lind)

Discussant: Cullen Hendrix (10 minutes)
General Discussion (20 minutes)

13.00–14.00 Lunch

14.00–15.30 Papers in Plenary (4 papers @15 min, plus 30 min for discussion)

Plenary Session. Chair: Mike Brklacich (Holmensalen)

1. Climate Change and Conflict: Common Sense or Nonsense
(Nordås and Gleditsch)

2. Climate Change and Potential Human Conflict: Western Cape Province, South Africa
(Roberts)

3. Drought-Related Conflicts, Management and Resolution in the West African Sahel
(Nyong and Fiki)

4. Ex-post and Ex-ante Approaches to Climate Change Threats to the International Community
(Sindico)

Discussant: Indra de Soysa (10 minutes)
General Discussion (20 minutes)

15.30–16.00 Break

16.00–17.15 Papers in Parallel Sessions (3 papers @15 min, 30 min for discussion)

Parallel Session A. Chair: Siri Eriksen (Holmensalen)

A.1. The Use of Scenarios in Assessing Climate Change, Human Security and Potential Outcomes
(Liotta and Shearer)

A.2. Trends and Triggers: Climate Change and Civil Conflict in Sub-Saharan Africa
(Hendrix and Glaser)

A.3. Possible Enhanced Conflict Situations on Account of Climate Change and Water Sharing: A Case Study of Three States of India
(Babu, Prakash, Pattanaik, Somashekar and Puttaiah)

Discussant: Jon Barnett (10 minutes)
General Discussion (20 minutes)

Parallel Session B. Chair: Ragnhild Nordås (Kinoen/*The Cinema*)

B.1. Global Climate Change and Human Security: Regional Perspectives, Responses and Adaptations in Sub-Saharan Africa
(Nsiah-Gyabaah)

B.2. Macroeconomic Reforms and Agricultural Policies in Developing Countries: Impacts on Social Vulnerability in the Argentinean Pampas and Mexican Coffee Sector
(Wehbe, Eakin and Geyamonat)

B.3. Enhancing Security, Reducing Vulnerabilities: Climate Change and Financial Innovation
(Park)

Discussant: Karen O'Brien (10 minutes)
General Discussion (20 minutes)

19.30 Dinner

THURSDAY 23 JUNE

7.30–09.00 Breakfast meeting on the Global Water System Project. Convener: Charles Vörösmarty (*Rauskjær 1*. You may bring your breakfast).

9.00–10.45 Papers in Plenary (4 papers @ 15 min, plus 30 min for discussion)

Plenary Session. Chair: Kwasi Nsiah-Gyabaah (Storsalen)

1. Environmental Change, Migration, and Conflict: Theoretical Analysis and Empirical Explorations
(Reuveny)

2. Assessing the Security Implications of Climate Change-related Migration
(McLeman and Smit)

3. Climate Change, Population Drift and Violent Conflict over Land Resources in North Eastern Nigeria
(Obioha)

4. Refugees, Climate Change and Instability
(Salehyan)

Discussant: Kristian Skrede Gleditsch (10 minutes)
General Discussion (20 minutes)

10.45–11.15 Break

11.15–12.45 Papers in Parallel Sessions (4 papers @ 15 min, 30 min for discussion)

Parallel Session A. Chair: Jon Barnett (Storsalen)

A.1. How Vulnerable is India to Climatic Stress? Measuring Vulnerability to Drought Using the Security Diagram Concept

(Acosta-Michlik, Klein, Kumar, Campe, Eiderdanz, Alcamo and Krömker)

A.2. Advancing our Understanding of Agriculture's Vulnerability to Climate Change

(Brklacich and Burhoe)

A.3. An Assessment of Rural Livelihood Vulnerability in Relation to Climate – a Case Study in Agro-pastoral Northern China

(Brogaard and Seaquist)

A.4. Vulnerability and Climate Change: An Analysis of the Eastern Coastal Districts of India

(Patnaik and Narayanan)

Discussant: Hans Bohle (10 minutes)

General Discussion (20 minutes)

Parallel Session B. Chair: Geoffrey Dabelko (Kinoen/*The Cinema*)

B.1. Vulnerability in the Context of Climate Change

(Bogardi, Villagran de Leon, Birkmann et al.)

B.2. Climate Change, Sea-Level Rise and Coastal Natural Hazards: A GIS-Based Vulnerability Assessment, State of Pará, Brazil

(Szlafsztein)

B.3. Climate Change and the Risk of Flood Disasters in Asia: Crafting Adaptive and Just Institutions

(Manuta and Lebel)

B.4. Climate-Induced Flooding, Autonomous Adjustments and Human Security in Bangladesh: A Geographical Assessment

(Younus, Bedford and Morad)

Discussant: Kwasi Nsiah-Gyabaah (TBC) (10 minutes)

General Discussion (20 minutes)

13.00–14.00 Lunch

14.00–15.30 Papers in Plenary (4 papers @15 min, plus 30 min for discussion)

Plenary Session. Chair: Gunhild Hoogensen (Storsalen)

1. Climate Change, Equity, and Human Security

(O'Brien and Leichenko)

2. Effects of Global Climate Change on Disease Epidemics and Social Instability around the World

(Tsai and Liu)

3. Greening the Security Council: Climate Change as an Emerging 'Threat to International Peace and Security'

(Penny)

4. Fairness among Countries

(Rothkin)

Discussant: (TBA) (10 minutes)

General Discussion (20 minutes)

15.30–16.00 Break

16.00–17.30 Papers in Parallel Sessions (4 papers @ 15 min, 30 min for discussion)

Parallel Session A. Chair: Henrik Urdal (Storsalen)

A.1. Hydrologic Underpinnings of Social Conflict Analysis

(Vörösmarty, Douglas and Levy)

A.2. Freshwater Anomalies and Outbreak of Internal War: Results from a Global Spatial Time Series Analysis

(Levy, Thorkelson, Vörösmarty, Douglas and Humphreys)

A.3. How Does Water Scarcity Directly or Indirectly Influence Conflict or Cooperation? A Case Study in Uganda

(Nanyunja and Nakamya)

A.4. Coping with Increasing Climate Impacts as a Means of Diffusing Tensions around Shared Watercourses

(Niasse)

Discussant: Alexander Lopez (TBC) (10 minutes)

General Discussion (20 minutes)

Parallel Session B. Chair: Sara Brogaard (Kinoen/*The Cinema*)

B.1. Adaptation to Climate Variability in East African Lakes and Wetlands: the Role of Social Capital in Promoting Resilience

(Goulden)

B.2. Globalization and the Adaptive Capacity of Nation-States: New Challenges and Opportunities

(Eakin and Lemos)

B.3. Human-Climate Interactions and Human Security in the Arctic

(Murray et al.)

B.4. The Notion of Human Security Applied to the Arctic Region

(Gabrielsen and Hoogensen)

Discussant: Grete Hovelsrud Broda (10 minutes)

General Discussion (20 minutes)

Concluding session. Chair: Nils Petter Gleditsch (Storsalen)

17.30–18.00 *Summary* (Geoff Dabelko)

18.00–18.10 *Closing remarks* (Nils Petter Gleditsch, Co-chair of the workshop)

20.00 Boat Trip on the Oslo Fjord

(Participants will be back at the hotel around 01.00; boat returns to Oslo around 02.00)