

**“Interconnections of Global Problems in East Asia:  
Climate Change Adaptation and its Complexity  
from the Perspective of Civil Society”**

**March 16-17, 2009**

**Jijihyang in Paju, Korea**

**Hosted by Nautilus Institute & DaSMI in Sungkonghoe University**

**Sponsored by The Korean Foundation**

## **“Interconnections of Global Problems in East Asia: Climate Change Adaptation and its Complexity in Perspective of Civil Society Initiative”**

### **Background Briefing**

#### **Objective**

The overall objective of this meeting is to improve our collective understanding of the multiple, complex, and necessarily interactive impacts of climate change with other global problems, specifically Urban Insecurity, Nuclear Proliferation, and Energy Security. Explorations of these general questions will be applied to Northeast Asian cases, and their interactions with other global problems from the perspective of civil society.

#### **Background 1: Complexity and Interconnections on Global Problems**

Although understanding of the bio-physical aspects of climate change has become quite robust and sophisticated in recent years, analysis of the full complexity of the consequences and impacts of climate change on our socio-technical and socio-ecological systems lags behind in many respects, not least because the demands of international climate negotiations drove scientists to focus mostly on mitigation, not adaptation. Often, causality is analyzed only from within one discipline and does not account for multiple causalities. The consequences for appropriate design of proposed solutions are profound.

#### **Background 2: Climate Change Adaptation and its Interconnections**

Accordingly, the result we are aiming for in this workshop is a mapping of causal patterns in climate change impacts and solutions that has causal complexity and interactivity as its starting point. The workshop will work outwards from a set of disciplinary-based or “issue area” studies like i) climate change and urban insecurity, ii) climate change and Nuclear proliferation, and iii) climate change and energy security to search for the inter-linkages between them. It will then be possible to generate more complex, and hence more realistic and robust, analytical and policy frameworks. We will also look for feedback loops and blind spots, and hopefully, more effective points of entry for policy intervention.

### **Background 3: Perspective of Civil Society**

This workshop will explore the present situation of how the global issues we face will be influenced by climate change. At the same time the objective here is to draw up possible solutions to be shared among the civil society actors as well as with other sectors such as government and business.

Already these problems cross borders globally, and actual efforts are being made to cope across national boundaries. During our discussion, we would like to develop alternatives from the perspective of the East Asia Civil Society Initiative. The initiative could be understood as a bottom-up approach or strategy that focuses on trans-local cooperation in a contextual and creative way.

### **Background 4: Tackling Global Problems from an East Asian Viewpoint**

Each presenter from three different countries in Northeast Asia (China, South Korea, and Japan) will explain the global problems from their experience and perspective with specific examples of each country. These may reveal differing perceptions deriving from discipline areas, or from cultural perspectives. Thus presenters are not expected to provide a national report, but rather to discuss the issue in general and in their country as example or in particular.

In approaching this work, we would like to ask the specialists writing the papers to supplement their own conceptual or disciplinary approaches with reference to a proposed shared framework dealing with drivers, strategies, solutions and social agents that emphasizes the exploration of the interconnectedness of climate change impacts and solutions.

While this project is broadly concerned with theories about the causal pattern of climate change impacts and adaptation, it also explores the real-world interactions of one particular region, namely the interaction of Northeast Asian societies, economies and socio-ecological systems. However, we also understand that it is not always easy to link climate change and other issues of Urban Insecurity, Nuclear Proliferation and Energy. Thus each specialist is supposed to deal primarily with one of the following issues

- Urban insecurity
- Nuclear proliferation
- Energy security
- Climate change adaptation interdependence

For each topic, one specialist from South Korea, Japan, and China will be asked to address the issue both at a general theoretical level and as applied to the case of salient Northeast Asian interactions. We also welcome any suggestions or questions you may have as you prepare your paper.

Time	March.16(Monday)	Time	March. 17(Tuesday)
9:00 ~ 9:30	<b>Registration</b>		
9:30 ~ 10:00	<b>Greeting and introduction of participants</b>	9:00 ~ 10:30	<b>Session IV: Impact of Climate Change on Urban Insecurity</b>
10:00 ~ 10:30	<b>Introduction to global problem solving</b>		
10:30 ~ 10:45	<b>Coffee break</b>	10:30 ~ 10:45	<b>Coffee break</b>
10:45 ~ 12:15	<b>Session I: Interdependence of Climate Change Adaptation in East Asia</b>	10:45 ~ 12:00	<b>Discussion of causal complexity</b>
12:15 ~ 14:00	<b>Lunch</b>	12:00 ~ 13:30	<b>Lunch</b>
14:00 ~ 15:30	<b>Session II: Impact of Climate Change on Energy Security</b>	13:30 ~ 15:30	<b>Roundtable discussion of impact of climate change adaptation on global problems in Northeast Asia</b>
15:30 ~ 15:45	<b>Coffee Break</b>	15:30 ~ 16:00	<b>Break</b>
15:45 ~ 17:15	<b>Session III: Impact of Climate Change on Nuclear Proliferation</b>	16:00 ~	<b>Trip to Imjingak Observatory (optional)</b>
18:00 ~	<b>Dinner (Hosted by Sungkonghoe University)</b>		

## Session I **Interdependence of Climate Change Adaptation in East Asia**

**Chair** Richard Tanter (Nautilus Australia)

**Presentation** China: Yang, Yi (Beijing Foreign Studies University)  
"Domestic Constraints, International Forces and China's Position on International Climate Change"

Japan: Ayukawa, Yurika (Office Ecologist & Osaka University)  
"Japanese Policy on Climate Change Adaptation and its Complexity"

Korea: Shin, Sangbum (Yonsei University)  
"Domestic Environmental Governance and Regional Environmental Cooperation in the Northeast Asia"

**Discussion** Emmanuel Pastreich (Solbridge International School of Business)

## Session II **Impact of Climate Change on Energy Security**

**Chair** David von Hippel (Senior Associate, Nautilus U.S.A)

**Presentation** China: Wang, Yanjia (Tsinghua University)  
"Energy Security and Climate Change Issues in China"

Japan: Yoshihisa, Ohno (Japan Sustainable Energy Company, Ltd.)  
"Global Warming threatening Energy Security of Africa"

Korea: Yoo, Seungjick (Korea Energy Economics Institute)  
"Issues in Climate Change and Energy Security in Northeast Asia"

**Discussion** Oh, Kyungtaek (Chonnam National University)

### **Session III Impact of Climate Change on Nuclear Proliferation**

**Chair** Suzuki, Tatsujiro (Tokyo University)

**Presentation** China: Han, Hua (Beijing University)  
“Climate Change and Non Proliferation in East Asia”

Japan: Katsuta, Tadahiro (Meiji University)  
“Climate Change and Nuclear Proliferaton”

Korea: Cheong, Wooksik (Peace Network)  
“The Spillover Effect of a Nuclear-Free and Peaceful Korea: Policy recommendations to the Obama Administration”

**Discussion** Dan Pinkston (International Crisis Group)  
Richard Tanter (Nautilus Australia)

### **Session IV Impact of Climate Change on Urban Insecurity**

**Chair** Peter Hayes (Director, Nautilus Institute Global)

**Presentation** China: Deng, Quheng (Chinese Academy of Social Sciences)  
"Natural Disasters, Migration and Social Security Reforms in China"

Japan :Minato, Takayuki (Tokyo University)  
“Possible Cooperation for Climate Adaptation Among Cities: How Civil Society Could Work With Governmental Strategies”

Korea: Lee, Sanghun (Hanshin University)  
“Latent layers beneath the relationship between urban insecurity and climate change: Case of South Korea”

**Discussion**

**Round I      Discussion of causal complexity**

**Chair**                  Richard Tanter ( Director of Nautilus Australia)

**Round II      Roundtable discussion of impact of climate change adaptation on  
global problems in Northeast Asia**

**Chair**                  Peter Hayes (Director of Nautilus Institute Global)  
and Yi, Kiho (Director of Nautilus Northeast Asia)

## China

Deng, Quheng  
(Chinese Academy of Social Sciences)

Han, Hua  
(Beijing University)

Yang, Yi  
(Beijing Foreign Studies University)

Wang, Yanjia  
(Tsinghua University)

## Japan

Ayukawa, Yurika  
(Office Ecologist & Osaka University)

Katsuta, Tadahiro  
(Meiji University)

Minato, Takayuki,  
(Tokyo University)

Yoshihisa, Ohno,  
(Japan Sustainable Energy Company, Ltd.)

Pitch Sutheerawatthana  
(Tokyo University)

Suzuki, Tatsujiro  
(Tokyo University)

## Korea

Cheong, Wooksik  
(Representative of Peace Network)

Cho, Heeyeon  
(Democracy and Social Movement Institute)

Emmanuel Pastreich  
(Solbridge International School of Business)

Kim Sunhyoung  
(Policy & Research Department  
The Korea Foundation)

Lee, Sanghun  
(Hanshin University)

Lee, Heonseok  
(Korea Eco-Center)

Lee, Seayoun  
(Policy & Research Department  
The Korea Foundation)

Oh, Kyungtaek  
(Chonnam National University)

Seo, Youngpyo  
(Democracy and Social Movements Institute)

Shin, Sangbum  
(Yonsei University)

Yoo, Seungjick  
(Korea Energy Economics Institute)

## Nautilus Institute

David von Hippel  
(Senior Associate of San Francisco node)

Yi, Kiho  
(Director of Seoul node)

Peter Hayes  
(Director of Nautilus Institute)

Richard Tanter  
(Director of Melbourne Node)

Scott Bruce  
(Director of San Francisco Node)



## ***Nautilus Institute Members***

### **Global**

Peter Hayes (Director of Nautilus Institute)

Joan Diamond (Chief Operating Officer)

Richard Moon (Consultant; Director, The Listening Institute)

### **U.S.A.**

David von Hippel (Senior Associate Energy)

Scott Bruce (Director)

Heather Young (Office Manager/program officer)

John Withers (IT Officer, Nautilus San Francisco)

### **Australia**

Richard Tanter (Director)

Arabella Imhoff (Program officer)

Jonathan O'Donnell (RMIT Information technology officer)

Jane Mullett (Program officer, Global Cities Institute, Royal Melbourne Institute Technology)

Saleem Janjua (Program officer, Global Cities Institute, Royal Melbourne Institute Technology)

### **Northeast Asia**

Yi, Kiho (Director)

Tim Savage (Deputy director)

Kim, Jeeyeon (Program officer)

Lee, Jihyun (Program officer)

Nam, Wonmi (Intern)

Jung, Minyoung (Intern)

Chang, Sooman (Photographer)