



INTERNATIONAL SYMPOSIUM ON CLIMATE CHANGE & FOOD SECURITY IN SOUTH ASIA

Dhaka, Bangladesh, 25-30 August 2008

PROVISIONAL PROGRAMME

(Venues: Pan Pacific Sonargaon Dhaka Hotel, BARI-BRRI and University of Dhaka)

SUNDAY, 24 AUGUST 2008

Participants arrive in Dhaka

14:00-17:00 hrs Registration at the Pan Pacific Sonargaon Dhaka Hotel

MONDAY, 25 AUGUST 2008

08:30-09:30 hrs Registration at the Pan Pacific Sonargaon Dhaka Hotel (*contd.*)

SESSION 1: OPENING OF THE SYMPOSIUM

(Chairman: Prof. S. M. A. Faiz)

09:30 hrs

Welcome

AHM Mustafizur Rahman
University of Dhaka

09:35 hrs

Welcome

Rattan Lal
Professor of Soil Science
Director, Carbon Management and Sequestration Center
Ohio State University and Chairman, International Organizing Committee

09:45 hrs

Address

Michel Jarraud
Secretary-General
World Meteorological Organization (WMO)

10:00 hrs

Address

Changchui He
Assistant Director-General and
Regional Representative for Asia and the Pacific
Food and Agriculture Organization of the United Nations (FAO)

10:15 hrs

Address

Siva Thampi
Director, Environment and Sustainable Development Division
UN Economic and Social Commission for Asia and the Pacific (UNESCAP)

- 10:30 hrs** **Address**
Hossain Jillur Rahman
 Adviser for Education
 Govt. of Bangladesh
- 10:40 hrs** **Chairman's remarks**
S. M. A. Faiz
 Vice-chancellor, University of Dhaka & President, National Organizing Committee
- 10:50 hrs** **Opening Address**
H.E. Iajuddin Ahmed,
 Honourable President
 People's Republic of Bangladesh
- 11:00 hrs** Group Photo and Tea/Coffee Break
- SESSION 2: CLIMATE CHANGE IN SOUTH ASIA: OVERVIEW**
(Chairman: W. Ravlin Rapporteur: R. Stefanski)
- 11:30 hrs** **Climate Change in South Asia**
Leena Srivastava
 The Energy and Resources Institute, New Delhi
- 11:50 hrs** **Implications of Climate Change for Agriculture and Food Security in South Asia**
Ad Spijkers
 FAO Representative in Bangladesh
- 12:10 hrs** **North South Dynamics in Climate Negotiation**
Atique Rahman
 Bangladesh Centre for Advanced Studies
- 12:30 hrs** **Discussion**
- 13:00 hrs** Lunch
- SESSION 3: CLIMATE CHANGE AND ENVIRONMENT**
(Chairman: D.O. Hansen Rapporteur: N. Chattopadhyay)
- 14:00 hrs** **Climate Change and Soil Quality**
Rattan Lal
 Ohio State University
- 14:20 hrs** **Glacier Dynamics and Flooding**
Dagfinnur Sveinbjornsson and H. Bjornsson
 University of Iceland
- 14:40 hrs** **Understanding Surface Water Flow and Storage Changes using Satellites**
Faisal Hossain and Doug Alsdorf
 Tennessee Tech University and Ohio State University
- 15:00 hrs** **Global Sea Level Rise**
C.K. Shum and Chung-Yen Kuo
 Ohio State University
- 15:20 hrs** **Global Temperature Change: Potential Impact in the Intensity of the Indian Ocean Monsoon, Flooding and Soil Erosion**

Harunur Rashid and Bryce Rodgers
Ohio State University

- 15:40 hrs** Tea/Coffee Break
- 16:00 hrs** **Suspended sediment variability and erosion geochemical budget of the Brahmaputra-Ganga basin.**
Christian France Lanord
CRPG-CNRS
Nancy, France
- 16:20 hrs** **Terrestrial Hydrology from Satellite Gravity**
C.K. Shum, H. Lee, D. Alsdorf and F. Hossain
Ohio State Univ., Tennessee Tech. Univ.
- 16:40 hrs** **Climate Change and Water Security in Bangladesh: Concerns & Options**
Ainun Nishat
IUCN
Dhaka
- 17:00 hrs** **Restoration of degraded and desertified lands: experience from Iceland**
Sveinn Runolfsson
Soil Conservation Service, Iceland
- 17:20 hrs** **Climate Change and Infectious Diseases**
Song Liang
Ohio State University
- 17:40 hrs** **Emerging Health Issue and Climate Changes in Bangladesh**
Amanat Ullah
Dept. of Geography and Environment
University of Dhaka
- 18:00 hrs** **Arsenicosis in Bagladesh**
A. Momin
Dhaka Medical College
- 18:20 hrs** **General Discussion**
- 18:40 hrs** **Adjournment**

TUESDAY, 26 AUGUST 2008

(Venue: Nabab Nawab Ali Chowdhury Senate Bhaban, University of Dhaka)

Welcome Address

Tajmeri S.A. Islam
Dean, Faculty of Science
Convenor, Organizing Committee of Dhaka University

SESSION 4: NATIONAL PERSPECTIVES

(Chairman: R. Weil Rapporteur: S.K. Huda)

- 08:30 hrs** **Climate Change and Food Security in Bangladesh**
A.H.M. Rezaul Kabir
Secretary
Ministry of Environment and Forest
Government of Bangladesh

- 08:50 hrs** **Climate Change and Food Security in India**
N. Chattopadhyay
India Meteorological Department
- 09:10 hrs** **Agricultural and Environmental Change in Bangladesh in Response to Global Warming**
S. Ahsan, D.M. Rehman and R. Islam
Metro State College, Colorado and Ohio State University
- 09:30 hrs** **Climate Change and Food Security in Maldives**
Ibrahim Shabau
Ministry of Fisheries, Agriculture and Marine Resources, Republic of Maldives
- 09:50 hrs** **Climate Change and Food Security in Pakistan**
Arif Mahmood
Pakistan Meteorological Department
- 10:10 hrs** **Climate Change, Food Security, Sea Level Rise, & Environment in Sri Lanka**
Lalith Chandrapala
Centre for Climate Change Studies
- 10:30 hrs** **General Discussion**
- 11:00 hrs** Tea/Coffee Break
- SESSION 5: MITIGATION AND ADAPTATION OPTIONS IN DIFFERENT AGROECOSYSTEMS OF SOUTH ASIA**
(Chairman: Sveinn Runolfsson Rapporteur: Selvaraju Ramasamy)
- 11:30 hrs** **Managing Coastal Wetlands**
J. Martin
Ohio State University
- 11:50 hrs** **Options on Land Management and Land Use for Coping with Climate Change in South Asia**
Yuji Niino
FAO Regional Office for Asia and the Pacific
- 12:10 hrs** **The Effect of Global Warming with Arsenic Mobilization in Sediments of the River Padma in Bangladesh**
Shafiqul Alam
- 12:30 hrs** Lunch
- 13:30 hrs** **Challenges and Opportunities in Composting Organic Matter**
Harold Keener
Ohio State University
- 13:50 hrs** **Climate Change and Soil Carbon Sequestration Potential in South-east Asia**
R. Islam, Y. Raut, R. Shrestha and R. Lal
Ohio State University
- 14:10 hrs** **General Discussion**

SESSION 5: MITIGATION AND ADAPTATION OPTIONS IN DIFFERENT AGROECOSYSTEMS OF SOUTH ASIA (contd.)

(Chairman: *Ikbal Chowdhury* Rapporteur: *Arif Mahmood*)

- 14:40 hrs** **Soil Microorganisms the Final Arbitrators: Can they be Managed to Optimize Carbon Sequestration in Semi-Stable Soil Pools**
Richard Dick
Ohio State University
- 15:00 hrs** **Options on Crop Production for Coping with Climate Change in South Asia**
Anil Kumar Singh
Indian Council of Agricultural Research (ICAR)
- 15:20 hrs** Tea/Coffee Break
- 15:40 hrs** **Mitigation and Adaptation Strategies in Coping with Climate Change Impacts for Improved Crop Health and Sustainable Food Production in South Asia**
Samsul Huda
University of Western Sydney, Australia
- 16:00 hrs** **Options on Livestock Production for Coping with Climate Change in South Asia**
Carolyn Imede Opio
Animal Production and Health Division
FAO
- 16:20 hrs** **Options on Forestry Management for Coping with Climate Change in South Asia**
N.H. Ravindranath
Indian Institute of Science
- 16:40 hrs** **Options on Irrigation and Water Management for Coping with Climate Change in South Asia**
Francesco Nicola Tubiello
Columbia University Center for Climate Systems Research
- 17:00 hrs** **Options on Fishery and Aquaculture for Coping with Climate Change in South Asia**
Elayaperumal Vivekanandan
Indian Council of Agricultural Research
- 17:20 hrs** **Modeling Economic Impacts of Climate Change on Agriculture and Food Supply and Demand**
Jun Furuya
Japan International Research Centre for Agriculture Sciences (JIRCAS)
- 17:40 hrs** **General Discussion**
- 18:10 hrs** **Adjournment**

WEDNESDAY, 27 AUGUST 2008

(Venue: Bangladesh Agricultural Research Institute (BARI) and Bangladesh Rice Research Institute (BRRI), Joydebpur)

- 09:00 hrs** **Opening Session**
Welcome
Harun-ur-Rashid,

Director General, BARI
M Nur-e-Elahi
 Director General, BRRI

Inauguration

Abdul Aziz
 Secretary, Ministry of Agriculture
 Government of Bangladesh

Technical Session I : Agricultural Production and Farming System (Chairman: Razzak Rapporteur:)

- 09:30 hrs** **Climate Change: An Emerging Threat to Agriculture and Food security in Bangladesh.**
Harun Quder Yusuf
 University of Dhaka
- 09:45 hrs** **Impact of Climate Change on Biodiversity & Food Security**
M.M. Haque
 BARI
- 10:00 hrs** **Climate change: Impact on Crop Production and its Copping Strategies.**
W. Sultana, A. Aziz and A. Ahmed
 BARI
- 10:15 hrs** **Climatic Variations: Farming Systems and Livelihoods in the High Barind Tract and Coastal Areas of Bangladesh**
M. B. Islam, M. Y. Ali, M. Amin and Sk.M. Zaman
 BARI
- 10:30 hrs** **Effect of drought & its mitigation on crop production at Barind Tract**
M.A.T. Bhuiyan and S.M.A. Mannan
 BMDA
- 10:45 hrs** **Discussion**
- 11:00** Tea/Coffee Break
- Technical Session II : Agricultural Production & Farming System**
 (Chairman: M.S. Islam Rapporteur:)
- 11:30 hrs** **Carbon Flow and Sequestration in Tropical Soils Under Rubber Plantation in India**
D. Mandal, S.K. Dey and R. Islam
 Rubber Research Institute of India and Ohio State University
- 11:45 hrs** **Coastal Saline Environment and Rice Variety development in Bangladesh**
M.A Salam & M.R.Islam .
 BRRI
- 12:00 hrs** **Cool Rice for a Warmer Environment Concept, Progress and Prospect**
S.M.Islam, M.A.A.Mahbub and M.S. Islam
 BRRI
- 12:15 hrs** **Impact of Climate Change on Agriculture and Food Security of Bangladesh**
Sk. Gulam Hussain
 BARC
- 12:30 hrs** **Effect of Climatic Factors on POL in Cane.**
M.A. Jabber and M.A. Mannan

BSRI

- 12:45 hrs** **Climate Change Impact in Agriculture: DAE Response**
A.N.M. Waliullah, Shahidul Islam, A.K.M. Farhad
DAE
- 13:00hrs** **Discussion**
- 13:20 hrs** **Lunch**
- Technical Session III : Pest and Disease Management**
(Chairman: Nurul Alam Rapporteur:)
- 14:30 hrs** **Challenges for Increasing Production of Winter Pulses Counteracting by Diseases under Changing Climate.**
M. A. Bakar, M.H.Rashid, M.S Hossain, and A.U.Ahmed.
BARI
- 14:45 hrs** **Impact of Climate Change on Crop Diseases in Bangladesh**
Md. Delowar Hosain and Md. Muzahid-E-Rahman
BARI
- 15:00 hrs** **Influence of Climatic Changes on the abundance of Major Insect Pests of Sugarcane.**
M. Abdullah, M.Begum, M.A. Rahman and M.A. Mannan
BSRI
- 15:15 hrs** **Incidence and severity of rice diseases and insect pests in relation to climate change.**
Mainul Haq, M.A.T. Taher Mia, M.F. Rabbi and M.A. Ali
BIRRI
- 15:30 hrs** **Discussion**
- 15:45 hrs** Tea/Coffee Break
- Technical Session IV : Soil Degradation, Irrigation and Water Management**
(Chairman: Lutfur Rahman Rapporteur:)
- 16:00 hrs** **Impact of Soil, Water and Climate Related Constraints for Crop Production in Bangladesh.**
M. S. Khan, S.Noor, R.Sen, H.M. Naser and M. K.Alam
BARI
- 16:15 hrs** **Climate change & Sustainable Irrigation Management for High Value Crops in Bangladesh**
M. H. Rashid and M. S. Islam
BARI
- 16:30 hrs** **Dynamics of plants in forest & Aquatic Ecosystems in relation to Climate Change**
A.K.M. Nazrul Islam et al.
Dept of Botany, University of Dhaka
- 16:45 hrs** **The use of Jute in meeting the challenges of climate changes**
Hasina Khan
Dept. of Biochemistry, University of Dhaka
- 17:00 hrs** **Soil and Land Resource Information System (SOLARIS): A Tool to Address**

Land Resources to Adopt Climatic Vulnerability.

M.M. Hossain, J.U. Shoaib, Sharmin Akhter and N.M. Hasan
SRDI

- 17:15 hrs** **N₂O Losses to Atmosphere from Conventional and Non-tilled Croplands**
Hasan Pervej Ahmed, Ms. Sarmin, Mynul Ahsan and Shoaib Jalal Uddin
SRDI
- 17:30 hrs** **Solar Irradiation of the Earth's Atmosphere with Special Reference to South Asia**
Sultana Nahar
Ohio State University
- 17:45 hrs** **Closing Ceremony**
Chief Guest: Honourable Advisor For Agriculture, Govt. Of Bangladesh.
- 18:00 hrs** **Cultural Evening, Nakshi Khanter Math (Dance Drama)**
- 19:30 hrs** **Dinner**
- 20:30 hrs** Leave for Dhaka

THURSDAY, 28 AUGUST 2008

(Venue: Nabab Nawab Ali Chowdhury Senate Bhaban, University of Dhaka)

Technical Session V : Social and Environmental Perspectives

(Chairman: Atiur Rahman Rapporteur:)

- 08:30 hrs** **Kyoto Protocol: Negotiation options for Bangladesh**
Asif Nazrul
University of Dhaka
- 08:45 hrs** **Impact of Climate Change on food security in Bangladesh: gender & Disaster perspectives**
Mahbuba Nasrin
University of Dhaka
- 09:00 hrs** **Climate Impact Modelling and the phase between climate change disaster management and development.**
Ian Stanford Rector
Comprehensive Disaster Management Programme, Bangladesh
- 09:15 hrs** **Global Climate Change and its Effects on hydrogeoenvironment of Bangladesh Coastal Belt**
Kamrul Islam
University of Dhaka
- 09:30 hrs** **Discussion**
- 09:50 hrs** Tea/Coffee Break
- SESSION 6: POLICY, FINANCIAL, INSTITUTIONAL AND COOPERATION ISSUES**
(Chairman: Aminul Karim Rapporteur:)
- 10:20 hrs** **Mainstreaming Adaptation into Development Agenda**
Sangmin Nam and Siva Thampi

UNESCAP

- 10:40 hrs** **Possible Financial Innovations to enable Integrated Actions at the National Level**
Pak Sum Low, UNESCAP
- 11:00 hrs** **Messages from FAO High Level Conference on World Food Security: the Challenges of Climate Change and Bioenergy**
Selvaraju Ramasamy
Natural Resources Management and Environment Department, FAO
- 11:20 hrs** **A Framework for Regional Cooperation on Integrating Disaster Risk Reduction and Climate Change Adaptation in South Asia**
Sanjay Srivastava
South Asian Association of Regional Cooperation (SAARC) Disaster Management Centre (SDMC)
- 11:40 hrs** **Prioritizing climate change adaptation in national development planning**
Mikio Ishiwatari
Japan International Cooperation Agency (JICA)
- 12:00 hrs** **Donors' approach: climate change adaptation and development cooperation**
Tomonori Sudo
Japan Bank for International Cooperation (JBIC)
- 12:20 hrs** **Asia Pacific Gateway to Climate and Development**
MOE Japan/OECC
- 12:40 hrs** **Climate Change Market Mechanisms for Asian Societies**
Prabhakar Sivapuram
Institute for Global Environmental Strategies (IGES)
- 13:00 hrs** **General Discussion**
- 13:20 hrs** Lunch
- SESSION 7: BREAKOUT SESSIONS TO DISCUSS REGIONAL AGRICULTURE MITIGATION AND ADAPTATION FRAMEWORK FOR CLIMATE CHANGE IN SOUTH ASIA**
- 14:20 hrs** **Presentation of Draft Regional Framework**
Pramod Aggarwal
Indian Agricultural Research Institute
- 14:40 hrs** **Discussion on Breakout Groups and Terms of Reference**
Dr M.V.K. Sivakumar
World Meteorological Organization
- 14:50 hrs** **Meetings of Breakout Groups**
- Group I: Crops and Livestock
Group II: Land and Forestry
Group III: Irrigation and Fishery
Group IV: Policy and Cooperation
- 15:30 hrs** Tea/Coffee Break
- 16:00 hrs** **Meetings of Breakout Groups (Contd.)**

- 18:00 hrs Adjournment
- 19:00 hrs **Dinner hosted by the Vice- Chancellor, at TSC, University of Dhaka)**

FRIDAY, 29 AUGUST 2008

08:30 hrs **Meetings of Breakout Groups (Contd.)**

10:00 hrs Tea/Coffee Break

SESSION 8: PLENARY TO CONSIDER BREAKOUT GROUP REPORTS
(Chairman: Rattan Lal Rapporteur: R. Stefanski)

Presentation of reports of Breakout Groups and Discussion

10:30 hrs Group I: Crops and Livestock

11:00 hrs Group II: Land and Forestry

11:30 hrs Group III: Irrigation and Fishery

12:00 hrs Group IV: Policy and Cooperation

12:30 hrs Lunch

13:30 hrs **Free for Guided Visit to Tourist Places / Shopping etc.**

19:00 **Dinner & Closing Cultural Gala at Bangabhaban**
Hosted By H.E. Iajuddin Ahmed
Honourable President, People's Republic of Bangladesh

Address

H.E. Ólafur Ragnar Grímsson
Honourable President of Iceland

Address

H.E. Iajuddin Ahmed
Honourable President of Bangladesh

SATURDAY, 30 AUGUST 2008

SESSION 9: CLOSING SESSION
(Chairman: S. M. A. Faiz)

10:00 hrs **Address**
H.E. Ólafur Ragnar Grímsson
Honourable President of Iceland

10:25 **Address**
Raja Debashis Roy
Adviser for Environment & Forest

10:35 hrs **Symposium Declaration**
Rattan Lal

Ohio State University, Columbus, Ohio, USA

10:45 hrs

Address

Ad Spijkers

FAO Representative in Bangladesh

10:55 hrs

Vote of Thanks from Convenors

M.V.K. Sivakumar

World Meteorological Organization, Geneva, Switzerland

11:05 hrs

Vote of Thanks from Host Country

AHM Mustafizur Rahman

University of Dhaka

Chief Coordinator, Organizing Committee

11:15 hrs

Chairperson's Remarks

S.M.A. Faiz

Vice-chancellor, University of Dhaka

President, Organizing Committee

11:30 hrs

Workshop Closure

H.E. Dr Fakruddin Ahmed

Chief Advisor

People's Republic of Bangladesh

