

2nd Annual Conference Programme

Venue: Independent University, Bangladesh (IUB)

Plot 16, Block B, Aftabuddin Ahmed Road,

Bashundhara R/A, Dhaka, 1229









DISCUSSION AND Q&A

8-11 January	1 2010	
DAY 1 – FRI	DAY, 08 JANUARY 2016 – R	ESEARCH ON CLIMATE CHANGE IN BANGLADESH
9:30-10:45	INAUGURAL SESSION LOCATION: CHAIR: WELCOME: SPECIAL GUESTS:	Auditorium Dr. Ainun Nishat, Professor Emeritus, BRAC University Dr. Saleemul Huq, Director, International Centre for Climate Change and Development (ICCCAD) Prof. M. Omar Rahman, Vice Chancellor, Independent University, Bangladesh (IUB) Dr. Karl Wurster, Deputy Director-Economic Growth Environment, USAID, Bangladesh (TBC)
	CHIEF GUEST:	H.E. Mrs. Sophie Aubert, Ambassador, Embassy of France, Dhaka
10:45-11:15	TEA BREAK REGISTRATION	
11:15-12:45	PLENARY SESSION 1: LOCATION: HOST: CO-HOST: CHAIR: PRESENTERS: DISCUSSION AND Q&A	National Adaptation Planning Multipurpose Hall International Centre for Climate Change and Development (ICCCAD) Bangladesh Centre for Advanced Studies (BCAS) Dr. Atiq Rahman, Executive Director, BCAS 1. Mohammed Faruque Uddin: CBOs and community adaptation under catastrophic events: A study from northeastern Bangladesh. 2. Eliza Drury: Leveraging geographic vulnerability analysis for national adaptation planning.
12:45-14:15	LUNCH & PRAYER	
14:15-15:45	PARALLEL SESSION 1: LOCATION: HOST: CO-HOST: CHAIR: PRESENTERS:	Climate Change and Livelihoods Room 5002, Level 4 Islamic Relief Bangladesh Gibika Mr. Shabel Firuz, Country Director, Islamic Relief, Bangladesh 1. Sonia Ferdous Hoque: Poverty and 'double vulnerability': Understanding livelihood strategies across socio-economic groups in southwestern Bangladesh. 2. Munirul Islam: Livelihood security in a changing climate: Insights from farmers' field laboratories. 3. Farzana Rahman: Climatic shocks on local market systems: Experience of northern 'char' areas in Bangladesh. 4. Md. Ashiqur Rahman: Governance matters: Climate change, corruption and livelihoods in Bangladesh.
	DISCUSSION AND Q&A	
14:15-15:45	PARALLEL SESSION 2: LOCATION: HOST: CO-HOST: CHAIR: MODERATOR: PRESENTERS:	Climate Change and Gender Room 7002, Level 6 Bangladesh Centre for Advanced Studies (BCAS) UN Women Bangladesh Dr. Atiq Rahman, Executive Director, BCAS Ms. Dilruba Haider, Coordinator, Gender and Climate Change, UN Women Bangladesh 1. Nazzina Mohsin: Union Disaster Management Committees (UDMCs): Understanding the roles of women members of the UDMC. 2. Md. Ehsanul Hoque: Perception and adaptation need assessment of the foothill dwelling women of Bangladesh: Case study, villages adjacent to Chittagong University Campus. 3. Amy MacMahon: Gender relations and climate change adaptation in Bagerhat. 4. Eshrat Sharmen Akand: Climate change impacts on women and gender responsive adaptation in Bangladesh.
	DISCUSSION AND O&A	. soponon a adaptation in bangiagoon





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14:15-15:45	PARALLEL SESSION 3: LOCATION: HOST: CHAIR: MODERATOR: PRESENTERS: DISCUSSION AND Q&A	Climate Change Modelling Multipurpose Hall Rajdhani Unnayan Kartripakkha (RAJUK) Mr. Kamrul Hasan Sohag, Deputy Town Planner, RAJUK Ms. Tamanna Mishu, Assistant Authorized Officer, RAJUK 1. Animesh Kumar Gain: Impact of climate change and upstream development on water security in Bangladesh. 2. Shammi Haque: Future changes of flash floods in the northeast region of Bangladesh using HEC-HMS Modeling. 3. Ali Shafqat Akanda: Understanding hydroclimatic extremes over Bangladesh with new gridded products and daily bias correction of CMIP5 regional climate projections. 4. Dewan Abdul Quadir: Recent changes in temperature and rainfall trends and variability in Bangladesh.
15:45-16:00	TEA BREAK	
16:00-17:30	PLENARY SESSION 2: LOCATION: HOST: CHAIR: MODERATOR: PRESENTERS:	Coastal Zone Multipurpose Hall Christian Commission for Development in Bangladesh (CCDB) Mr. Joyanta Adhikari, Executive Director, CCDB Mr. Md. Kamruzzaman, Coordinator, Research, Climate Change Unit, CCDB 1. Dr. Anjan Kumer Dev Roy: An investigation into the major environment and climate change policy issues in southwest coastal Bangladesh. 2. Pronab Kumar Halder: Implication of water resources for seasonal shifting of livelihoods of the southeastern coastal island population in Bangladesh. 3. Syed Hafizur Rahman and Muhammed Atikul Haque: Stocktaking and assessment of adapted technologies related to water use in coastal areas of Bangladesh. 4. Md. Hafiz Iqbal: Impacts of land transformation from crop farms to shrimp ponds in the southwest coastal region of Bangladesh: Application of the Chow Test Method.
19:00-21:00	DISCUSSION AND Q&A RECEPTION AND DINNER	
13.00 21.00	VENUE: HOST:	Ascott Palace, House #14, Road #06, Block K, Baridhara, Dhaka International Centre for Climate Change and Development (ICCCAD)
DAY 2 - SAT	TURDAY, 09 JANUARY 2016	- RESEARCH ON CLIMATE CHANGE IN BANGLADESH
9:00 - 9:30	REGISTRATION	
9:30-11:00	PLENARY SESSION 3: LOCATION: HOST: CO-HOST: CHAIR: MODERATOR: PRESENTERS:	Migration Multipurpose Hall Bangladesh Centre for Advanced Studies (BCAS) International Organization for Migration (IOM) Dr. Atiq Rahman, Executive Director, BCAS Mr. Abdusattor Esoev, Senior Programme Manager, IOM 1. Rohan Thakker: Climate change, climate justice, human rights and India. 2. Zakia Naznin: Climate change and migration in Bangladesh: A gender perspective. 3. Khan Ashfaqur Rahman: Assessing climate change, environmental degradation and the migration nexus in South Asia.
	DISCUSSION AND Q&A	
11:00-11:30	TEA BREAK	
11:30-13:00	PARALLEL SESSION 4: LOCATION: HOST: CHAIR: MODERATOR: PRESENTERS:	Local Adaptation Planning Multipurpose Hall Bangladesh Centre for Advanced Studies (BCAS) Dr. Atiq Rahman, Executive Director, BCAS Dr. Dwijen Mallick, Fellow, BCAS 1. Timothy J. Finan: The effective use of climate services in building local level resilience: The IRAP project in Bangladesh. 2. Nabir Mamnun: Exploring the knowledge systems that support adaptive governance in northeast Bangladesh. 3. Shekhar Kanti Ray: Local Adaptation Plan: Perspectives and ownership of the community.
	DISCUSSION AND Q&A	





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11:30-13:00	PARALLEL SESSION 5:	Disaster Risk Reduction (DRR)
11.30-13.00	LOCATION: HOST:	Room 5002, Level 4 Center for Sustainable Development (CSD), The University of Liberal Arts
	CUAID.	Bangladesh (ULAB)
	CHAIR: MODERATOR:	Dr. Hamidul Huq, Professor and Director, CSD, ULAB Ms. Basundhara Tripathy, Visiting Researcher cum Assistant Professor, CSD,
	PRESENTERS:	ULAB 1. Bayes Ahmed: Landslide hazard mapping: Applying statistical techniques in
		Cox's Bazar Municipality, Bangladesh.
		 Ishrar Tabassum: Vulnerabilities and coping mechanisms. Junanjina Ahmed: Investigating barriers to community involvement in DRR.
		Md. Shafiqul Islam: Use of local knowledge systems in drought prediction and weather extreme management.
	DISCUSSION AND Q&A	
11:30-13:00	PARALLEL SESSION 6:	Climate Change and Health
	LOCATION:	Room 7002, Level 6
	HOST: CHAIR:	International Centre for Diarrhoeal Disease Research, Bangladesh (ICDDR,B) Dr. Peter Kim Streatfield, Director, Centre for Population, Urbanization and
	MODERATOR:	Climate Change, ICDDR,B Dr. Aneire Khan, Consultant, ICDDR,B
	PRESENTERS:	1. Khurshid Jahan: Impact of climate change on suitable aquifers for drinking
		water supply and agricultural water use in southwest coastal areas.
		2. Sudipta Adhikary: A multivariate approach to assessing district level health vulnerability considering high end climate change in Bangladesh.
		3. Salima Sultana Daisy: A review of cholera dynamics due to climatic variables
		and modeling.
		 Gourab Adhikary: Impacts of saline water on reproductive health in coastal Bangladesh.
	DISCUSSION AND Q&A	Danguadon.
13:00-14:00	LUNCH	
14:00-15:30	PARALLEL SESSION 7:	Water Sanitation and Health
	LOCATION: HOST:	Room 5002, Level 4 WaterAid Bangladesh (WAB)
	CHAIR:	Dr. Md. Liakath Ali, Director, Programmes and Policy Advocacy (PPA), WAB
	PRESENTERS:	1. Mohammad Mahbubur Rahman: Potential impacts of climate variability and change on waterborne diseases in Bangladesh.
		2. Anwar Zahid: Prospects of low-cost recharge tanks to augment safe water
		availability by very shallow hand tubewells in the arsenic and saline-prone coastal delta of Bangladesh.
		3. Dr. Mohammod Lutful Kabir: Climate financing for WASH resilience in
	DISCUSSION AND Q&A	Bangladesh: Harnessing opportunities through mitigation.
14:00-15:30	PARALLEL SESSION 8:	Waste Management
. 1.00 10.00	LOCATION:	Room 7002, Level 6
	HOST: CHAIR:	School of Environmental Science and Management (SESM), IUB Dr. Abdul Khaleque, Dean, School of Environmental Science and Management
		(SESM), IUB
	MODERATOR: PRESENTERS:	Dr. K. Ayaz Rabbani, Senior Lecturer, SESM, IUB 1. Hasin Jahan: Faecal sludge management – a 2 nd generation sanitation
		problem.
		2. Zaber Ahmed: Reuse of industrial waste water in the construction sector and its
		impact on concrete structures. 3. Shamrita Zaman: Determination of the degradation rate of a selected organic
		waste mixed with compost.
		4. Md. Arif Chowdhury: A solid waste management scenario and people's
		perceptions of environmental and health impacts: A case study on Raipura,
		Narsingdi.
	DISCUSSION AND Q&A	
15:30-16:00	DISCUSSION AND Q&A TEA BREAK	





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16:00-17:30	PLENARY SESSION 4:	Loss and Damage	
	I OCATION:	Multinurnosa Hall	

HOST: International Centre for Climate Change and Development (ICCCAD)

CO-HOST: North South University (NSU) Dr. Saleemul Huq, Director, ICCCAD CHAIR:

KEYNOTE SPEAKER: Dr. Mizan R. Khan, Professor and Director, External Affairs, Department of

Environmental Science and Management (DESM), North South University PRESENTERS: 1. S. M. Saify Iqbal, Monjurul Ahsan and M. Hafijul Islam Khan: Understanding non-economic loss and damage resulting from climate change: Contexts of

damage to ecology and biodiversity and wetland management in Bangladesh. 2. Md. Kamrul Islam: Spatio-temporal assessment of ecological disturbance and its impact on the environment in cyclone prone coastal areas of Bangladesh.

3. Md. Gulam Kibria and Dr. M. Shah Alam Khan: Loss and damage due to a

cyclonic event: A case study on cyclone Aila.

DISCUSSION AND Q&A

DAY 3 - SUNDAY, 10 JANUARY 2016 - RESEARCH ON CLIMATE CHANGE IN BANGLADESH 9:00 - 9:30**REGISTRATION PLENARY SESSION 5:** Political Economy and Finance 9:30-11:00

LOCATION: Multipurpose Hall

International Institute for Environment and Development (IIED) HOST:

Dr. Saleemul Huq, Senior Fellow, IIED CHAIR:

KEYNOTE SPEAKER: Mr. Md. Shamsudoha, Chief Executive, Center for Participatory Research and

Development (CPRD)

1. Mir Rabiul Islam, Valerie Ingham, John Hicks, Ian Manock, Richard Sappey PRESENTERS:

and Sultana Dilara: A 'production model' of community disaster resilience and psycho-social recovery: Application to flooding in rural Bangladesh from an economics perspective.

2. Dr. Nazneen Islam Khan: Climate finance at the local government level in

Bangladesh.

DISCUSSION AND Q&A

TEA BREAK

11:00-11:30

11:30-13:00 **PARALLEL SESSION 9:** Natural Resource Management

LOCATION: Multipurpose Hall

HOST: Shahjalal University of Science and Technology (SUST)

CHAIR: Dr. A. Z. M. Manzoor Rashid, Professor, Department of Forestry and

Environmental Science, SUST

MODERATOR: Mr. Sourav Das, Lecturer, Department of Forestry and Environmental Science,

PRESENTERS: 1. Hasan M. Abdullah: Natural sal forest cover monitoring in Modhupur,

Bangladesh by using Temporal Landsat Imagery during 1972-2015.

2. Md. Emdad Hossain: Exploring a traditional farming approach for climate

resilient production in southern Bangladesh.

3. T. A. Robin: Mega water development projects and their impact on crop

productivity in southwest Bangladesh.

4. Dr. Anjan Kumer Dev Roy: Local community attitudes towards mangrove forest

conservation: Lessons from Bangladesh.

DISCUSSION AND Q&A

PARALLEL SESSION 10: Renewable Energy 11:30-13:00 LOCATION: Room 5002, Level 4

HOST: School of Engineering and Computer Science (SECS), IUB

CHAIR: Dr. M. Abdur Razzak, Associate Professor, Department of Electrical & Electronic

Engineering, IUB

Mr. Md. Rejwan Uddin, Research Assistant, SECS, IUB **MODERATOR:**

PRESENTERS: 1. Dhiman Sen: Household energy consumption patterns in Hathazari,

2. Muhammad Abdur Rahaman: Biogas and bio-fertilizer as effective means of renewable energy, GHG reduction, food security and women empowerment.

3. Zaima Tasneem: Design and implementation of solar powered induction

cooking systems to reduce carbon emissions and health hazards.

4. Sajib Chakraborty: Design and implementation of solar power systems in

fishing trawlers.

DISCUSSION AND Q&A





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	PARALLEL SESSION 11: LOCATION: HOST: CO-HOST: CHAIR: MODERATOR: PRESENTERS: DISCUSSION AND Q&A	Ecosystem Resilience Room 7002, Level 6 Climate Resilient Ecosystems Livelihoods (CREL) Bangladesh Centre for Advanced Studies (BCAS) Dr. Saleemul Huq, Director, ICCCAD Mr. Abu Mostafa Kamal Uddin, Adviser, Climate-Resilient Ecosystems and Livelihoods (CREL) 1. Wali Uz-Zaman: Impacts of resource use on forest life and the deer population of the Sundarbans. 2. Ajwad Alam: Ecosystem resilience from deforestation and climate change. 3. Shahzia M Khan and Md. Shams Uddin: Building climate change resilience for ecosystems.
13:00-14:00	LUNCH	
14:00-15:30	PARALLEL SESSION 12: LOCATION: HOST: CHAIR: MODERATOR: PRESENTERS:	Adaptation Technology Room 5002, Level 4 Christian Commission for Development in Bangladesh (CCDB) Dr. Md. Khalid Hossain, Head of Climate Change Programmes, Christian Commission for Development in Bangladesh (CCDB) Mr. Md. Kamruzzaman, Coordinator – Research, Climate Change Unit, Christian Commission for Development in Bangladesh (CCDB) 1. Muhammad Manjurul Karim: Adaptation through application of potential Azotobacter spp. as biofertilizer in coastal agriculture in Bangladesh under changing climate conditions. 2. Dr. Mohammad Mahfujul Haque: Integrated Floating Cage Aquageoponics Systems (IFCAS): Technological potential for adaptation to flooding in climate change. 3. Md.Jaman Sharif: A new effective model of rainwater harvesting systems.
		4. Nuzhat Imam: Potentials and challenges of using ICTs for climate change
	DISCUSSION AND Q&A	adaptation: A study of vulnerable communities in 'Char' lands.
14:00-15:30	PARALLEL SESSION 13: LOCATION: HOST: CHAIR:	Mitigation Room 7002, Level 6 School of Environmental Science and Management (SESM), IUB Prof. Lutfor Rahman, SESM, IUB
	MODERATOR: PRESENTERS:	Dr. Abdul Khaleque, Dean, School of Environmental Science and Management (SESM), IUB 1. Faisal Ahmed: Empirical study on the relationship between human development and carbonization of economies. 2. Mohiuddin Al Faroque: Impact of biochar amendments on the germination rate and initial seedling growth of Swietenia mahagoni and Albizia lebbeck. 3. Shanjida Easmin Nupur, Sudipto Bosu and Sami Towsif Khan: Impacts of climate change on groundwater depletion and mitigation options. 4. Abdullah Hasan Safir: Be clean, go green: A two in one sustainable solution to fight against climate change.
	DISCUSSION AND Q&A	nght against climate change.
15:30-16:00	TEA BREAK	
16:00-17:30	PLENARY SESSION 6: LOCATION: HOST: CHAIR: MODERATOR: PRESENTERS:	Urbanization Multipurpose Hall Asian Cities Climate Change Resilience Network (ACCCRN) Mr. Mohammad Qayyum, Additional Secretary and National Project Director of the Comprehensive Disaster Management Programme (CDMP) Mr. Mostafa Quaium Khan, Adviser, Bangladesh National Urban Forum (BUF) 1. Sarder Shafiqul Alam, A.T.M. Jahangir Alam and Sowmen Rahman: Urban climate resilience, water and sanitation: Improving multi-stakeholder collaboration in Dhaka, Bangladesh. 2. M. Aminul Islam: Prospects and problems of promoting low carbon urban development in Bangladesh. 3. A. S. M. Riyad Hassan Gourab: Climate change resilience in urban areas: The current story of Bangladesh. 4. Michael Chew: Images of hope and change: Participatory visual approaches to North-South dialogue in urban climate resilience.
	DISCUSSION AND Q&A	



DAY 4 - MONDAY, 11 JANUARY 2016 - SCIENCE POLICY DIALOGUE DAY		
09:00 - 9:30	REGISTRATION	
09:30–10:30	SESSION 1: LOCATION:	International Experiences Multipurpose Hall
	CHAIR:	Catharien Terwisscha van Scheltinga, Director Wageningen UR, Project Office Dhaka
	KEYNOTE SPEECH: CHIEF GUEST:	International speaker Mr. Mike Robson, Food and Agriculture Organization (FAO), Country Representative, Bangladesh
	DISCUSSANTS:	Dr. Karl Wurster, Deputy Director-Economic Growth Environment, USAID, Bangladesh (TBC)
10:20 11:00	DISCUSSION AND Q&A	
10:30-11:00	TEA BREAK AND GROUP F	
11:00-12:00	SESSION 2: LOCATION: KEYNOTE SPEECH:	National Climate Planning Multipurpose Hall Dr. Debapriya Bhattacharya, Distinguished Fellow, Centre for Policy Dialogue (CPD)
	CHIEF GUEST:	Prof. Dr. Shamsul Alam, Member Planning Commission, Economic Relations Division (ERD), Ministry of Finance, Government of the People's Republic of Bangladesh
	DISCUSSANTS: DISCUSSION AND Q&A	TBC
12:00-13:00	SESSION 3:	After Paris
	LOCATION: CHAIR:	Multipurpose Hall Qazi Kholiquzzaman Ahmad, Chairman, Palli Karma-Sahayak Foundation
	CHAIR.	(PKSF)
	KEYNOTE SPEECH:	Dr. Nurul Quadir, Joint Secretary, Ministry of Environment and Forest (MOEF), Government of the People's Republic of Bangladesh
	CHIEF GUEST:	Dr. Kamal Uddin Ahmed, Secretary, Ministry of Environment and Forest (MOEF), Government of the People's Republic of Bangladesh
	DISCUSSANTS: DISCUSSION AND Q&A	TBC
13:00-14:00	LUNCH	
14:00- 15:30	SESSION 4:	Climate Finance
	LOCATION:	Multipurpose Hall
	KEYNOTE SPEECH: CHIEF GUEST:	Prof. John Timmons Roberts, Brown University Mr. Md. Mejbahuddin, Senior Secretary, Economic Relations Division (ERD), Ministry of Finance, Government of the People's Republic of Bangladesh
	DISCUSSANTS: DISCUSSION AND Q&A	Arif M. Faisal, Environment Specialist, Asian Development Bank
15:30- 16:00	TEA BREAK	
16:00-17:30	CLOSING SESSION	
	LOCATION: CHAIR:	Auditorium Prof. M. Omar Rahman, Vice Chancellor, Independent University, Bangladesh (IUB)
	OPENING SUMMARY: KEYNOTE:	Dr. Saleemul Huq, Director, ICCCAD Prof. John Timmons Roberts, Brown University
	SPECIAL GUESTS:	Mr. Christian Tardif, Charge d' Affaires, High Commission of Canada to
		Bangladesh
		Mr. Saber Hossain Chowdhury, Member of Parliament, Government of the People's Republic of Bangladesh
	CHIEF GUEST:	Mr. Paul Sabatine, Deputy Mission Director, USAID, Bangladesh (TBC) Mr. Anwar Hossain Monju, Minister, Ministry of Environment and Forests
	CONCLUDING REMARKS:	(MOEF), Government of the People's Republic of Bangladesh Dr. Atiq Rahman, Executive Director, BCAS
18:30-21:00	CERTIFICATE AWARD CER	REMONY AND DINNER
	VENUE: HOST:	Independent University, Bangladesh (IUB) International Centre for Climate Change and Development (ICCCAD)
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