



THE
GOBESHONA
 CONFERENCE FOR RESEARCH ON
 CLIMATE CHANGE IN BANGLADESH
 08-11 January 2016

2nd Annual Conference Programme

Venue: Independent University, Bangladesh (IUB)
 Plot 16, Block B, Aftabuddin Ahmed Road,
 Bashundhara R/A, Dhaka, 1229



Sponsored By:



DAY 1 – FRIDAY, 08 JANUARY 2016– RESEARCH ON CLIMATE CHANGE IN BANGLADESH	
9:30-10:45	<p>INAUGURAL SESSION</p> <p>LOCATION: Auditorium</p> <p>CHAIR: Dr. Ainun Nishat, Professor Emeritus, BRAC University</p> <p>WELCOME: Dr. Saleemul Huq, Director, International Centre for Climate Change and Development (ICCCAD) Prof. M. Omar Rahman, Vice Chancellor, Independent University, Bangladesh (IUB)</p> <p>SPECIAL GUESTS: Dr. Karl Wurster, Deputy Director-Economic Growth Environment, USAID, Bangladesh (TBC)</p> <p>CHIEF GUEST: H.E. Mrs. Sophie Aubert, Ambassador, Embassy of France, Dhaka</p>
10:45-11:15	<p>TEA BREAK</p> <p>REGISTRATION</p>
11:15-12:45	<p>PLENARY SESSION 1: National Adaptation Planning</p> <p>LOCATION: Multipurpose Hall</p> <p>HOST: International Centre for Climate Change and Development (ICCCAD)</p> <p>CO-HOST: Bangladesh Centre for Advanced Studies (BCAS)</p> <p>CHAIR: Dr. Atiq Rahman, Executive Director, BCAS</p> <p>PRESENTERS:</p> <ol style="list-style-type: none"> 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. <p>DISCUSSION AND Q&A</p>
12:45-14:15	<p>LUNCH & PRAYER</p>
14:15-15:45	<p>PARALLEL SESSION 1: Climate Change and Livelihoods</p> <p>LOCATION: Room 5002, Level 4</p> <p>HOST: Islamic Relief Bangladesh</p> <p>CO-HOST: Gibika</p> <p>CHAIR: Mr. Shabel Firuz, Country Director, Islamic Relief, Bangladesh</p> <p>PRESENTERS:</p> <ol style="list-style-type: none"> 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. <p>DISCUSSION AND Q&A</p>
14:15-15:45	<p>PARALLEL SESSION 2: Climate Change and Gender</p> <p>LOCATION: Room 7002, Level 6</p> <p>HOST: Bangladesh Centre for Advanced Studies (BCAS)</p> <p>CO-HOST: UN Women Bangladesh</p> <p>CHAIR: Dr. Atiq Rahman, Executive Director, BCAS</p> <p>MODERATOR: Ms. Dilruba Haider, Coordinator, Gender and Climate Change, UN Women Bangladesh</p> <p>PRESENTERS:</p> <ol style="list-style-type: none"> 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. <p>DISCUSSION AND Q&A</p>

14:15-15:45	PARALLEL SESSION 3: LOCATION: HOST: CHAIR: MODERATOR: PRESENTERS:	Climate Change Modelling Multipurpose Hall RajdhaniUnnayanKartripakkha(RAJUK) Mr. KamrulHasanSohag, Deputy Town Planner, RAJUK Ms. TamannaMishu, Assistant Authorized Officer, RAJUK 1. Animesh Kumar Gain: Impact of climate change and upstream development on water security in Bangladesh. 2. ShammiHaque: Future changes of flash floods in the northeast region of Bangladesh using HEC-HMS Modeling. 3. Ali ShafqatAkanda: 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.
	DISCUSSION AND Q&A	
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. JoyantaAdhikari, Executive Director, CCDB Mr. Md. Kamruzzaman, Coordinator, Research, Climate Change Unit, CCDB 1. Dr. AnjanKumerDev 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 HafizurRahman andMuhammedAtikulHaque: Stocktaking and assessment of adapted technologies related to water use in coastal areas of Bangladesh. 4. Md. Hafiz Iqbal: Impacts of land transformation from cropfarms to shrimp ponds in the southwest coastal region of Bangladesh: Application of the Chow Test Method.
	DISCUSSION AND Q&A	
19:00-21:00	RECEPTION AND DINNER VENUE: HOST:	AscottPalace, House #14, Road#06, Block K, Baridhara, Dhaka International Centre for Climate Change and Development (ICCCAD)
DAY 2 – SATURDAY, 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. AtiqRahman, Executive Director, BCAS Mr. AbdusattorEsoev, Senior Programme Manager, IOM 1. RohanThakker: Climate change, climate justice, human rights and India. 2. ZakiaNaznin: Climate change and migration in Bangladesh: A gender perspective. 3. Khan AshfaqurRahman: 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. AtiqRahman, Executive Director, BCAS Dr. DwijenMallick, Fellow, BCAS 1. Timothy J. Finan: The effective use of climate services in building local level resilience: The IRAP project in Bangladesh. 2. NabirMamnun: Exploring the knowledge systems that support adaptive governance in northeast Bangladesh. 3. ShekharKanti Ray: Local Adaptation Plan: Perspectives and ownership of the community.
	DISCUSSION AND Q&A	

11:30-13:00	PARALLEL SESSION 5: LOCATION: HOST: CHAIR: MODERATOR: PRESENTERS:	Disaster Risk Reduction (DRR) Room 5002, Level 4 Center for Sustainable Development (CSD), The University of Liberal Arts Bangladesh (ULAB) Dr. HamidulHuq, Professor and Director, CSD, ULAB Ms. BasundharaTripathy, Visiting Researcher cum Assistant Professor, CSD, ULAB 1. Bayes Ahmed: Landslide hazard mapping:Applying statistical techniques in Cox's Bazar Municipality, Bangladesh. 2. IshrarTabassum: Vulnerabilities and coping mechanisms. 3. Junanjina Ahmed: Investigating barriers to community involvement in DRR. 4. 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: LOCATION: HOST: CHAIR: MODERATOR: PRESENTERS:	Climate Change and Health Room 7002, Level 6 International Centre for Diarrhoeal Disease Research, Bangladesh (ICDDR,B) Dr. Peter Kim Streatfield, Director, Centre for Population, Urbanization and Climate Change, ICDDR,B Dr. Aneire Khan, Consultant, ICDDR,B 1. KhurshidJahan: Impact of climate change on suitable aquifers for drinking water supply and agricultural water use in southwest coastal areas. 2. SudiptaAdhikary: 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. 4. GourabAdhikary: Impacts of saline water on reproductive health in coastal Bangladesh.
	DISCUSSION AND Q&A	
13:00-14:00	LUNCH	
14:00-15:30	PARALLEL SESSION 7: LOCATION: HOST: CHAIR: PRESENTERS:	Water Sanitation and Health Room 5002, Level 4 WaterAid Bangladesh (WAB) Dr. Md. Liakath Ali, Director, Programmes and Policy Advocacy (PPA), WAB 1. Mohammad MahbuburRahman: 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. MohammodLutfulKabir: Climate financing for WASH resilience in Bangladesh: Harnessing opportunities through mitigation.
	DISCUSSION AND Q&A	
14:00-15:30	PARALLEL SESSION 8: LOCATION: HOST: CHAIR: MODERATOR: PRESENTERS:	Waste Management Room 7002, Level 6 School of Environmental Science and Management (SESM), IUB Dr. Abdul Khaleque, Dean, School of Environmental Science and Management (SESM), IUB Dr. K. AyazRabbani, Senior Lecturer, SESM, IUB 1. HasinJahan: Faecal sludge management– a 2 nd generation sanitation problem. 2. Zaber Ahmed: Reuse of industrial waste water in the construction sector and its impact onconcrete structures. 3. ShamritaZaman: Determination of the degradation rate of a selected organic waste mixed with compost. 4. Md. ArifChowdhury: A solid waste management scenario and people'sperceptions ofenvironmental and health impacts: A case study on Raipura, Narsingdi.
	DISCUSSION AND Q&A	
15:30-16:00	TEA BREAK	

16:00-17:30	PLENARY SESSION 4: LOCATION: HOST: CO-HOST: CHAIR: KEYNOTE SPEAKER: PRESENTERS: DISCUSSION AND Q&A	Loss and Damage Multipurpose Hall International Centre for Climate Change and Development (ICCCAD) North South University (NSU) Dr. Saleemul Huq, Director, ICCCAD Dr. Mizan R. Khan, Professor and Director, External Affairs, Department of Environmental Science and Management (DESM), North South University 1. S. M. Saifulqbal, 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.
DAY 3 - SUNDAY, 10 JANUARY 2016 – RESEARCH ON CLIMATE CHANGE IN BANGLADESH		
9:00 – 9:30	REGISTRATION	
9:30-11:00	PLENARY SESSION 5: LOCATION: HOST: CHAIR: KEYNOTE SPEAKER: PRESENTERS: DISCUSSION AND Q&A	Political Economy and Finance Multipurpose Hall International Institute for Environment and Development (IIED) Dr. Saleemul Huq, Senior Fellow, IIED Mr. Md. Shamsudoha, Chief Executive, Center for Participatory Research and Development (CPRD) 1. Mir Rabiul Islam, Valerie Ingham, John Hicks, Ian Manock, Richard Sappey 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.
11:00-11:30	TEA BREAK	
11:30-13:00	PARALLEL SESSION 9: LOCATION: HOST: CHAIR: MODERATOR: PRESENTERS: DISCUSSION AND Q&A	Natural Resource Management Multipurpose Hall Shahjalal University of Science and Technology (SUST) Dr. A.Z.M. Manzoor Rashid, Professor, Department of Forestry and Environmental Science, SUST Mr. Sourav Das, Lecturer, Department of Forestry and Environmental Science, SUST 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 Kumar Dev Roy: Local community attitudes towards mangrove forest conservation: Lessons from Bangladesh.
11:30-13:00	PARALLEL SESSION 10: LOCATION: HOST: CHAIR: MODERATOR: PRESENTERS: DISCUSSION AND Q&A	Renewable Energy Room 5002, Level 4 School of Engineering and Computer Science (SECS), IUB Dr. M. Abdur Razzak, Associate Professor, Department of Electrical & Electronic Engineering, IUB Mr. Md. Rejwan Uddin, Research Assistant, SECS, IUB 1. Dhiman Sen: Household energy consumption patterns in Hathazari, Chittagong. 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.
11:30-13:00	PARALLEL SESSION 11: Ecosystem Resilience	

	<p> LOCATION: Room 7002, Level 6 HOST: Climate Resilient Ecosystems Livelihoods (CREL) CO-HOST: Bangladesh Centre for Advanced Studies (BCAS) CHAIR: Dr. SaleemulHuq, Director, ICCCAD MODERATOR: Mr. Abu Mostafa Kamal Uddin, Adviser, Climate-Resilient Ecosystems and Livelihoods (CREL) PRESENTERS: 1. WaliUz-Zaman: Impacts of resource use on forest life and the deer population of the Sundarbans. 2. AjwadAlam: Ecosystem resilience from deforestation and climate change. 3. Shahzia M Khan and Md. Shams Uddin: Building climate change resilience for ecosystems. </p> <p>DISCUSSION AND Q&A</p>
13:00-14:00	LUNCH
14:00-15:30	<p> PARALLEL SESSION 12: Adaptation Technology LOCATION: Room 5002, Level 4 HOST: Christian Commission for Development in Bangladesh (CCDB) CHAIR: Dr. Md. Khalid Hossain, Head of Climate Change Programmes, Christian Commission for Development in Bangladesh (CCDB) MODERATOR: Mr. Md. Kamruzzaman, Coordinator – Research, Climate Change Unit, Christian Commission for Development in Bangladesh (CCDB) PRESENTERS: 1. Muhammad ManjurulKarim: Adaptation through application of potential Azotobacterspp. as biofertilizer in coastal agriculture in Bangladesh under changing climate conditions. 2. Dr. Mohammad MahfujulHaque: 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 adaptation: A study of vulnerable communities in 'Char' lands. </p> <p>DISCUSSION AND Q&A</p>
14:00-15:30	<p> PARALLEL SESSION 13: Mitigation LOCATION: Room 7002, Level 6 HOST: School of Environmental Science and Management (SESM), IUB CHAIR: Prof. LutfurRahman, SESM, IUB MODERATOR: Dr. Abdul Khaleque, Dean, School of Environmental Science and Management (SESM), IUB PRESENTERS: 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 Swieteniamahagoni and Albizialebeck. 3. ShanjidaEasminNupur, SudiptoBosu and Sami Towsif Khan: Impacts of climate change on groundwater depletion and mitigation options. 4. Abdullah HasanSafir: Be clean, go green: A two in one sustainable solution to fight against climate change. </p> <p>DISCUSSION AND Q&A</p>
15:30-16:00	TEA BREAK
16:00-17:30	<p> PLENARY SESSION 6: Urbanization LOCATION: Multipurpose Hall HOST: Asian Cities Climate Change Resilience Network (ACCCRN) CHAIR: Mr. Mohammad Qayyum, Additional Secretary and National Project Director of the Comprehensive Disaster Management Programme (CDMP) MODERATOR: Mr. MostafaQuaium Khan, Adviser, Bangladesh National Urban Forum (BUF) PRESENTERS: 1. SarderShafiqulAlam, A.T.M. Jahangir Alam and SowmenRahman: 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. </p> <p>DISCUSSION AND Q&A</p>

DAY 4 – MONDAY, 11 JANUARY 2016– SCIENCE POLICY DIALOGUE DAY	
09:00 – 9:30	REGISTRATION
09:30–10:30	<p>SESSION 1: INTERNATIONAL EXPERIENCES</p> <p>LOCATION: Multipurpose Hall</p> <p>CHAIR: Catharien Terwisscha van Scheltinga, Director Wageningen UR, Dhaka</p> <p>CHIEF GUEST: Mr. Mike Robson, Representative, Food and Agriculture Organization (FAO)</p> <p>DISCUSSANTS: Ms. Mchilo Mizambwa, Institute for Environment, Climate and Development Sustainability (Tanzania) Ms. Susan Nanduddu, African Centre for Trade and Development (Uganda) Mr. Manjeet Dhakal, Clean Energy Nepal, (Nepal) Ms. Eliza Drury, Researcher, Brown University, (USA)</p> <p>DISCUSSION AND Q&A</p>
10:30-11:00	TEA BREAK AND GROUP PHOTO SESSION
11:00-12:00	<p>SESSION 2: NATIONAL CLIMATE PLANNING</p> <p>LOCATION: Multipurpose Hall</p> <p>CHAIR: Mr. Robert Watkins, The Resident Coordinator, UNDP, Bangladesh</p> <p>KEYNOTE SPEECH: Dr. Debapriya Bhattacharya, Distinguished Fellow, Centre for Policy Dialogue</p> <p>CHIEF GUEST: Prof. Dr. Shamsul Alam, Member Planning Commission, Economic Relations Division (ERD), Ministry of Finance</p> <p>DISCUSSANTS: Mr. Taibur Rahman, Senior Assistant Secretary, General Economics Division, Planning Commission, Government of the People's Republic of Bangladesh Mr. Paul Eastwood, Team Leader, Climate and Disaster Resilience, Department for International Development (DFID)</p> <p>DISCUSSION AND Q&A</p>
12:00-13:00	<p>SESSION 3: AFTER PARIS</p> <p>LOCATION: Multipurpose Hall</p> <p>CHAIR: Qazi Kholiqzaman Ahmad, Chairman, Palli Karma-Sahayak Foundation</p> <p>KEYNOTE SPEECH: Dr. Nurul Quadir, Joint Secretary, Ministry of Environment and Forest (MOEF), Government of the People's Republic of Bangladesh</p> <p>CHIEF GUEST: Dr. Kamal Uddin Ahmed, Secretary, Ministry of Environment and Forest (MOEF), Government of the People's Republic of Bangladesh</p> <p>DISCUSSANTS: TBC</p> <p>DISCUSSION AND Q&A</p>
13:00-14:00	LUNCH
14:00- 15:30	<p>SESSION 4: CLIMATE FINANCE</p> <p>LOCATION: Multipurpose Hall</p> <p>CHAIR: Ms. Farah Kabir, Country Director, Action Aid</p> <p>KEYNOTE SPEECH: Prof. John Timmons Roberts, Brown University</p> <p>CHIEF GUEST: Mr. Md. Mejbahuddin, Senior Secretary, Economic Relations Division (ERD), Ministry of Finance, Government of the People's Republic of Bangladesh</p> <p>DISCUSSANTS: Dr. Karl Wurster, Deputy Director-Economic Growth Environment, USAID, Bangladesh (TBC) Arif M. Faisal, Environment Specialist, Asian Development Bank Mr. Liaquat Rashid Chandan, Mercantile Bank Limited</p> <p>DISCUSSION AND Q&A</p>
15:30- 16:00	TEA BREAK
16:00-17:30	<p>CONCLUDING SESSION</p> <p>LOCATION: Auditorium</p> <p>CHAIR: Prof. M. Omar Rahman, Vice Chancellor, Independent University, Bangladesh</p> <p>SUMMARY: Dr. Saleemul Huq, Director, ICCCAD</p> <p>KEYNOTE: Prof. John Timmons Roberts, Brown University</p> <p>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 Mr. Paul Sabatine, Deputy Mission Director, USAID, Bangladesh (TBC)</p> <p>CHIEF GUEST: Mr. Anwar Hossain Monju, Minister, Ministry of Environment and Forests (MOEF), Government of the People's Republic of Bangladesh</p> <p>CONCLUDING REMARKS: Dr. Atiq Rahman, Executive Director, BCAS</p>
18:30-21:00	<p>CERTIFICATE AWARD CEREMONY AND DINNER</p> <p>VENUE: Independent University, Bangladesh (IUB)</p> <p>HOST: International Centre for Climate Change and Development (ICCCAD)</p>