

TWO DAY INTERNATIONAL WEBINAR

ON

‘INNOVATIONS IN DISASTER RISK REDUCTION: AIMING TOWARDS A RESILIENT SOCIETY’

Organized by Department of Geography, Diamond Harbour Women’s University

Date: 10 and 11 September 2020

The Department of Geography, Diamond Harbour Women’s University in collaboration with IGU (International Geographical Union) organized Two-day International Webinar on **INNOVATIONS IN DISASTER RISK REDUCTION: AIMING TOWARDS A RESILIENT SOCIETY** dated on 10.09.2020. The webinar was associated with several subthemes such as Perceptions to natural hazards, disasters, vulnerability and risk; Environmental Pollution and Ecology: From Biodiversity conservation perspectives; Climate Change, global warming and catastrophes; Demographic vulnerabilities and associated hazards; Health hazards and epidemics: Communicable disease perspectives; Geological, meteorological and hydrological hazards and risk; Applicability of RS and GIS in risk assessment; Facets of Disaster Preparedness; Contemporary strategies for Disaster risk management and Resilience to Hazards and disasters: Ways forward.

Organizing Committee:

Chief Patron: Professor Anuradaha Mukhopadhyay, Hon’ble Vice Chancellor, DHWU.

Patron: Dr. Sayeedur Rehaman, Registrar, DHWU.

Convener: Professor Sujit Mandal, Professor of Geography and Dean of Science, DHWU.

Organizing Secretary: Dr. Shovan Ghosh, Associate Professor, Dept. of Geography, DHWU.

Joint Organizing Secretary:

Dr. Anindya Basu, Asst. Professor, Dept. of Geography, DHWU.

Dr. Kapil Ghosh, Asst. Professor, Dept. of Geography, DHWU.

Members:

- Shri Somnath Sarkar, Asst. Professor, Dept. of Geography, DHWU.
- Mr. Rajesh Karketta, Asst. Professor, Dept. of Geography, DHWU.

Webinar Advisory Committee:

- Prof. Masumi Zaiki, Faculty of Economics, Seikei University, Japan.
- Prof. Jr-Chuan Huang, Department of Geography, National Taiwan University, Taiwan.
- Dr. Edilia Jaque Castillo, Departamento de Geografia, University of Concepcion, Chile
- Prof. Anindya Ghosh Choudhury, Director of IQAC, DHWU.
- Prof. Tapan Kumar Mondal, Dean of Arts, DHWU.
- Dr. Tnia Chakraborty, Dean of Students Welfare, DHWU.
- Mr. Tapan Kumar Dandapat, Finance Officer, DHWU.

The webinar was started with the introductory note of Dr. Anindya Basu, Basu, Assistant Professor, Department of Geography, DHWU. The ‘welcome address’ was delivered by Professor Sujit Mandal, Dean, Faculty of Science and Convener of Two Day International Webinar. Professor Mandal said that several themes on innovations in disasters risk reduction practices will be addressed, deliberated and

discussed in Two Day International Webinar in different sessions by eminent resource persons, teachers, research scholars and students from various academic institutions of India and abroad which will enrich us a lot with innovative knowledge and methodologies. A scientific discussion on disasters risk reduction for the well-being of the society across the world will be held in Two Day International Webinar between India, Japan, Poland, Italy, South Africa, and Bangladesh.

The *inaugural address* was presented by Hon'ble Vice Chancellor, Professor Anuradha Mukhopadhyay, DHWU. Professor Mukhopadhyay opined that in the present day, our planet earth is facing so many varied types of disasters and natural calamities, causing havoc in human lives and properties. A more modern and updated response and recovery mechanism needs to be developed. She also pointed out that reduction in disaster risk is vital for building a more equitable and sustainable future.

Dr. Sayeedur Rahaman, Registrar, DHWU, delivered an *'introductory note'* on International Webinar putting emphasis on the significance of innovative disasters risk reduction strategies in India and abroad. Professor Takashi Oguchi, Chair, Commission on Hazard and Risk, IGU, Center for Spatial Information Science, The University of Tokyo, Japan, delivered a *'well-wishing note'* stating the progress and development of Diamond Harbour Women's University as well as a grand success of two-day international webinar.

The *'key-note address'* was presented by Dr. Srikumar Chattopadhyay ICSSR National Fellow on the Topic entitled *'Building socio-ecological resilience for disaster risk reduction'*. According to Dr. Mukhopadhyay, the Incidences of disasters are increasing due to human-induced environmental change and climate change, and there are attendant incremental economic losses. It is now necessary to take up comprehensive measures for DRR by building resilience and strengthening societal coping mechanisms. Resilience is adaptive and anticipates dynamic change. The socio-ecological system approach is useful in this context. It recognizes interconnections and interdependence of social systems and ecological systems, both of which consist of dynamic and nested subsystems operating at multiple scales.

On day 1 10 September 2020 in Plenary Session I five lead papers were presented by **Professor Ramkrishna Maiti**, Department of Geography, Vidyasagar University; **Professor Sunil Kumar De**, Department of Geography, North-Eastern Hill University Shillong; **Alessandro Mondini**, Geomorphology Research Group, Istituto di Ricerca per la Protezione Idrogeologica, Italy; **Heinrich (Heinz) R. Beckedahl**, Department of Geography, Environmental Science and Planning, University of Eswatini (formerly Swaziland); **Md. Mujibor Rahman**, Environmental Science Discipline, Khulna University, Khulna-9208, Bangladesh followed by Technical Session I, Technical Session II and Technical Session II where more than 30 research papers presented by academicians and researchers from various institution of India and abroad.

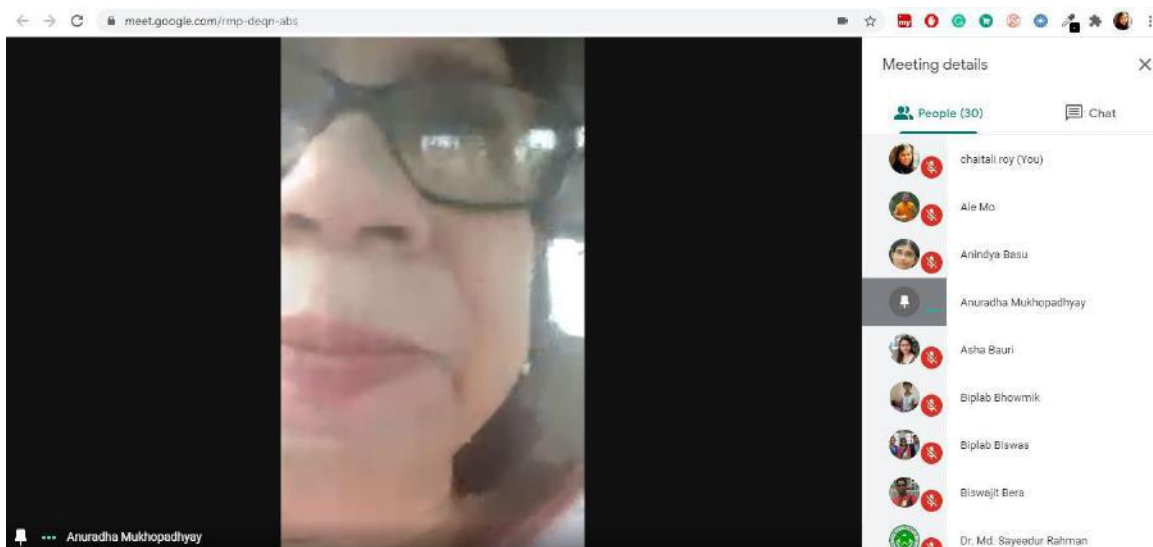
On Day 2 11 September 2020 Plenary Session II was organized with five lead research papers presented by **Takashi Oguchi**, Center for Spatial Information Science, The University of Tokyo, Japan; **Veena Uday Joshi**, Department of Geography, Savitribai Phule Pune University, India; **Lakshmi Shivaramakrishnan**, Department of Geography, Jadavpur University, India; **Lakshminarayan Satpati**, Professor of Department of Geography, and UGC, Human Resource Development Centre, University of Calcutta, Kolkata; **Michael Nones**, Hydrology and Hydrodynamics Department, Institute of Geophysics - Polish Academy of Sciences, Ksiecia Janusza 64, 01-452 Warsaw, Poland; **M. Shahidul Islam**, Department of Geography and Environment, University of Dhaka, Bangladesh followed by Technical Session IV, Technical Session V, and Technical Session VI where more than 25

were presented by academicians and researchers from various institution of India and abroad. More than 500 academicians from India and abroad took part in online streaming.

In valedictory Session, valedictory speech was presented by Professor Soumendu Chatterjee, Professor and Head, Department of Geography, Presidency University. Professor Chatterjee stated the significance of academic discussion on various innovative technologies for combating natural hazards and disasters in India and across the world. Resource Persons, participants, research scholars also put their valuable comments on Two Day International Webinar on **INNOVATIONS IN DISASTER RISK REDUCTION: AIMING TOWARDS A RESILIENT SOCIETY** as well as highly appreciated Organizing Committee of the International Webinar. A detail report of the Two Day International Webinar was presented By Dr. Shovan Ghosh, Associate Professor, Department of Geography, DHWU. Finally, Two day International Webinar was ended with Vote of Thanks delivered by Dr. Anindya Basu, Assistant Professor, Department of Geography, Diamond Harbour Women’s University.



Welcome address by Professor Sujit Mandal, Convener of Two Day International Webinar.



Inaugural address by Professor Anuradha Mukhopadhyay, Hon’ble Vice Chancellor, DHWU

T Oguchi is presenting

The presentation slide features the IGU Commission on Hazard and Risk logo and the text: "Commission on Hazard and Risk is one of 40 IGU Commissions, and very relevant to the topic of this webinar: DRR (Disaster Risk Reduction)".

Participant thumbnails (from top to bottom): T Oguchi, Sunil Kumar De, SHOVAN GHOSH, Sujit Mandal.

Well-wishing note By Professor Taqashi Oguchi, Chair, Commission on Hazard and Risk, IGU

Srikumar Chattopadhyay is presenting

The key-note address slide is titled "Building socio-ecological resilience for disaster risk reduction" and includes the following text: "(Key note address delivered during the international webinar on 'INNOVATIONS IN DISASTER RISK REDUCTION: EYEING TOWARDS A RESILIENT SOCIETY' organised by the Department of Geography, Diamond Harbour Women's University, September, 10-11th, 2020. Srikumar Chattopadhyay, Former Scientist, NCLSS, ICSSR National Fellow, GIFT, Thiruvananthapuram, srikumar53@gmail.com)".

Meeting details sidebar (People 36): SASHTHI MANDAL, Shily Elizabeth, SHOVAN GHOSH, SOMNATH SARKAR, Srikumar Chattopadhyay (Presentation), Srikumar Chattopadhyay, suchaita pramanick, Sujit Mandal, sujy poddar.

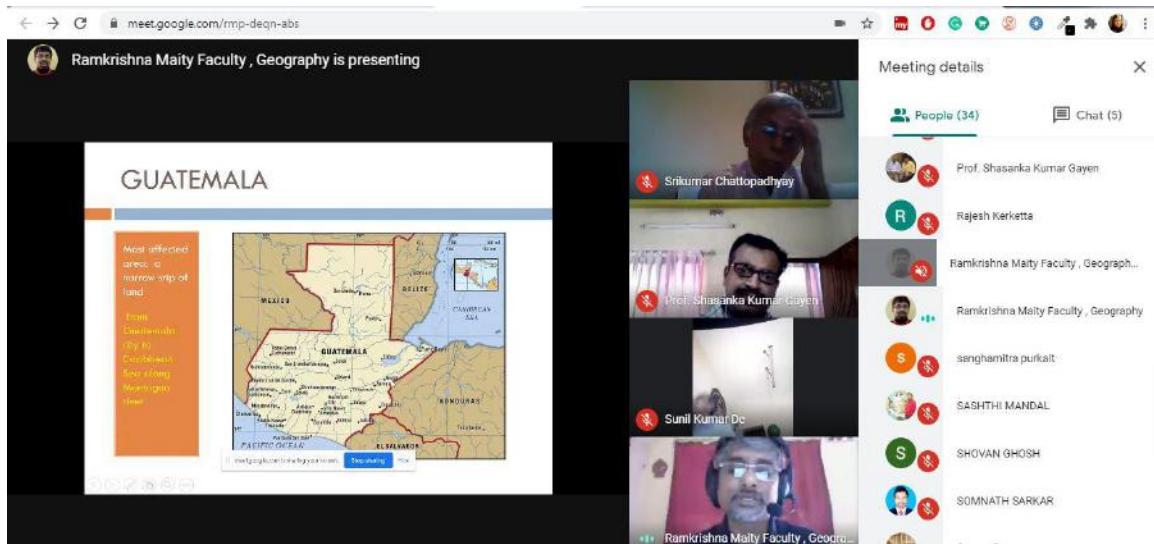
Key-note address by Dr. Srikumar Chattopadhyay ICSSR National Fellow

Mujibor Rahman is presenting

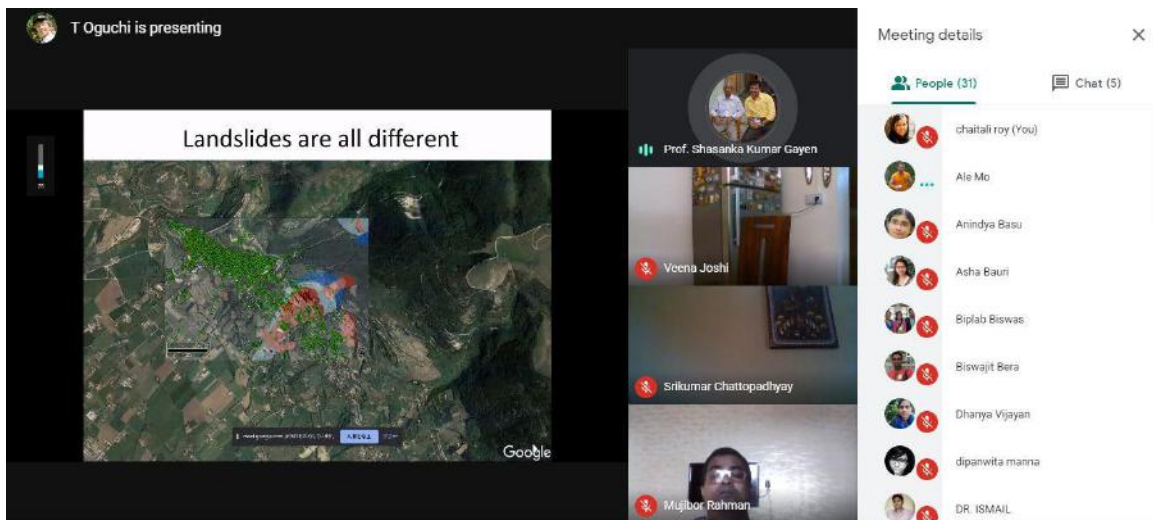
The diagram slide is titled "Integrated framework of vertical and horizontal process of mainstreaming disaster risk reduction within development". It features a central diamond-shaped flowchart with levels: Vision, Local divergence, Social divergence, and Local. It is flanked by boxes for "Convergence of policy, planning, resource allocation at national level" and "Convergence of implementation and delivery of multi-sectoral development at local level".

Meeting details sidebar (People 31): Kapil Ghosh, Krishna Mallick, Micheel Nones, Mittali Desgupte, Mujibor Rahman, Mujibor Rahman (Presentation), Nairita Sengupta, Nazrul Islam, Prof. Shasanka Kumar Gayen.

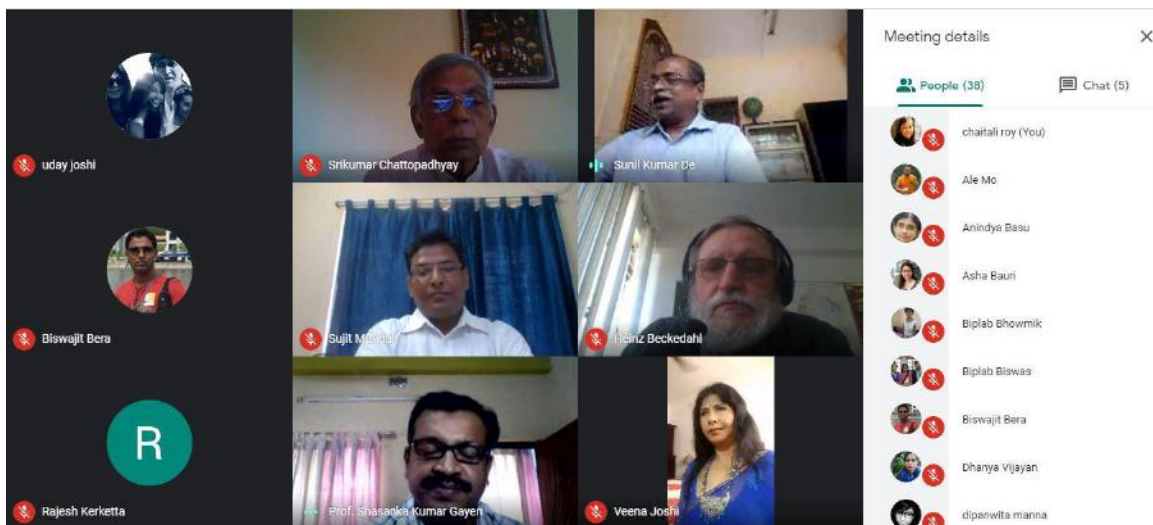
Plenary Lecture by **Md. Mujibor Rahman**, Professor of Environmental Science Discipline, Khulna University, Bangladesh



Plenary Lecture by Professor Ramkrishna Maiti, Department of Geography, Vidyasagar University



Plenary Lecture by Professor Taqashi Oguchi, Chair, Commission on Hazard and Risk, IGU



Plenary Lecture by Professor Sunil Kumar De, Department of Geography, North-Eastern Hill University, Shillong