

Session on "Climate Resilience and Sustainability in Disaster Management"

Seminar Organized by Amity Mega Centre for Natural and Man-made Calamities, Global Warming and Climate Change Cluster, Amity University

November 24, 2021, 2:30 – 4:00 PM Virtual Deliberations

WORLD CONGRESS

ON

DISASTER MANAGEMENT

24-27 November, 2021 • New Delhi • India

















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SESSION ORGANISER

Prof. Tanu Jindal, Group Additional Pro Vice Chancellor (R&D) Director, AIETSM, ACARS, AIOAS Amity University Uttar Pradesh

KNOWLEDGE PARTNER



Eminent Speakers

Dr. Satheesh Shenoi
Former Director
Indian National Centre for Ocean Information
Services (INCOIS)

Maj Gen M.K. Bindal Executive Director National Institute of Disaster Management (NIDM)

Shri Kunal Satyarthi
Joint Secretary, PP
National Disaster Management Authority (NDMA)

Dr. P. Manjusree
Scientist 'SG' & Head
Special user Flood & Landslide Monitoring Division
Disaster Management Support Group NRSC/ISRO,
Govt. of India

Dr. S. D. Pawar
Scientist F
Indian Institute of Tropical Meteorology (IITM)

Engr. Ludwig O. Federigan
Head
Information and Knowledge Management Division

Panel Discussion by Dr. W. Selvamurthy, President of Amity Science, Technology and Innovation Foundation (ASTIF) & DG of Amity Directorate of Science & innovation (ADSI),

Chancellor, Amity University Chhattisgarh

Link for Joining: https://us02web.zoom.us/j/87871374042?pwd=dnlIR0RudVJTS253SVV2WXV0cWUydz09

AMITY INSTITUTE OF ENVIRONMENTAL TOXICOLOGY, SAFETY AND MANAGEMENT

AMITY UNIVERSITY, UTTAR PRADESH, SECTOR-125, NOIDA Contact: 0120-4392604 | http://amity.edu/aietsm/ | Email | ID: tjindal@amity.edu

5th World Congress on Disaster Management "Climate Resilience and Sustainability in Disaster Management" Organized by

Amity Mega Centre for Natural and Man-Made Calamities November 24, 2021, 2:30 – 5:00 PM Virtual Deliberations

A seminar on 'Climate Resilience and Sustainability in Disaster Management' and 'Global Warming and Climate Change' as a part of 5th World Congress on Disaster Management was organised by Amity Mega Centre for Natural and Man-Made Calamities on 24th November 2021 from 2:30-5:00PM. The webinar began with the inauguration talk and welcoming of the speakers and the dignitaries by Prof. (Dr.) Tanu Jindal. Ms. Jayati Arora (PhD scholar) was the MC of the event.

Prof. (**Dr.**) **Tanu Jindal**, Group Additional Pro Vice Chancellor (R & D), Director, Amity Institute of Environmental Toxicology, Safety and Management, welcomed all the esteemed speakers and enlightened all the attendees about the theme and idea behind the seminar and the importance of tackling climate change and working together towards sustainability.

She gave and introductory speech to all the dignitaries about the effects of "Global warming and Climate change" and occurrence natural disaster and their management. She apprised about vision of Honorable Founder President, Dr. Ashok K. Chauhan in the formation of "Global Warming and Climate Change" cluster to save planet and existence of life. Further she discussed the scope of the Cluster. Scientist and Faculty are working from different Amity 11 Campuses and Institutes for the mission of Climate Change Research.

She gave a glimpse of Amity's research initiatives and also gave details of the projects, patents, publications, and different events carried out by Amity Institute of Environmental Toxicology, Safety and Management, and Amity Institute of Environmental Sciences. She mentioned about the core courses (B.Sc, M.Sc, PhD), PG Diploma courses and open elective courses in Disaster Management. She also mentioned about the MoU with NIDM and various conference, FDP organised.



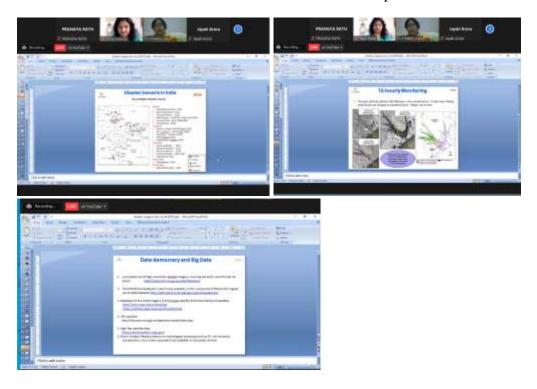


The chairman of the session was **Dr. Sateesh Shenoi**.

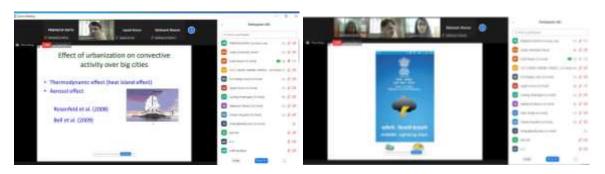
Speaker1:- Dr. Satheesh Shenoi, Former Director Indian National Centre for Ocean Information Services (INCOIS) and & National Institute of Ocean Technology (NIOT), addressed the platform with his presentation on **Climate Change and Indian Coasts.** He gave an outlook of the increase in heat accumulation in world oceans from 1971-2020; and the negative impacts on the coasts such as degraded ecosystems, cyclones, deteriorating water quality. Vulnerability of Indian coastline for disasters was explained.



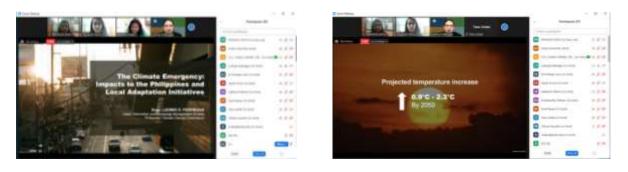
Speaker 2:- Dr. P. Manjusree, Scientist 'SG' & Head, Special user Flood & Landslide Monitoring Division Disaster Management Support Group NRSC/ISRO, Govt. of India, gave an elaborate and very informative presentation on '**Advanced Technology interventions for disaster risk reduction in India'**. She highlighted about the disaster scenarios in India from 2013-2021, global distribution of natural disasters, and disaster management cycle. Importance of the use of satellites for disaster management, data collection, and their monitoring techniques were mentioned. Also gave an overview of the websites containing more detailed information of satellites and ISRO's initiatives at national level on impact of disasters.



Speaker 3:- Dr. S.D. Pawar, Scientist F, Indian Institute of Tropical Meteorology (IITM), started his talk on "**Lightning a natural disaster**". He gave a view of effect of urbanization on convective activities over big cities. Discussed about lightening awareness programmes and also important "Do's and Don't" during a thunderstorm. He also gave an outline about the "Damini" lightening alert app.



Speaker 4:- Engr. Ludwig O. Federigan, Head of the Information and Knowledge Management Division, Philippines presented on "The Climate Emergency: Impacts to the Philippines and Local Adaptation Initiatives". He gave a brief about the COP26 Climate Change 2021 and its recommendations. He also talked about the programmes and action plans of the Philippines government relating to climate change and how coordination monitoring and evaluation of the same are conducted. Initiatives of local/societal level works such as rain water harvesting, reducing waste (plastics), community gardening, building adaptive capacities of communities, etc. were also presented.



The presentations were then followed by panel discussion, headed by **Dr. W. Selvamurthy**, President – Amity Science, Technology & Innovation Foundation (ASTIF), & Chancellor, Amity University Chhattisgarh. Dr. W. Selvamurthy elaborate in the field of Disaster Management. He emphasized on collaborative research looking into current thrust areas in the Disaster Management and he also elaborate Amity Initiatives. All the eminent speakers shared their views on the policies, technologies, education, awareness, preparedness that are required in the present times. Also bringing together agencies, institutions, R&D at national levels for project collaborations were encouraged. Dr. Shenoi focussed on prioritising research for mitigation strategies, and right adaptation to such conditions by using sustainable solutions. Dr. Manjushree talked about increasing ground instrumentation and mentioned the two schemes:- "Research in disaster management by IARS, and Respond projects by ISRO". Dr. Pawar mentioned on research on preparedness strategies for lightening and drainage

systems. Engr. Ludwig emphasised on increasing knowledge and capacity building, and local climate change action plan.



After an interesting and intriguing panel discussion, the event ended by 'Vote of Thanks' by Ms. Prangya Rath (PhD scholar).

Prof. Tanu Jindal thanked Honorable Founder President, Dr. Ashok K. Chauhan, for his vision on "Global Warming and Climate Change" Cluster which is of utmost importance in current context. She also thanked Respected Chancellor, Dr. Atul Chauhan for dynamic leadership and Vice Chancellor, Dr. Balvinder Shukla for immense support. She further thanked Dr. W. Selvamurthy and Dr. D.K. Bandyopadhyay for their constant encouragement.











AMIT SHAH

MESSAGE

am pleased to note that Fifth World Congress on Disaster Management (WCDM-2021) is being held at Indian Institute of Technology, Delhi, on November 24-27, 2021 in collaboration with Disaster Management Initiatives and Convergence Society (DMICS) Hyderabad, NDMA, NIDM along with other scientific, technical and academic institutions.

I am glad to observe that deliberators shall focus on technology, finance and capacity, which would identify the challenges, brain-storm every hause and recommend measures for the successful impermentation of global agendas of building resilience across sectors.

I convey my good wishes and success to all the stakeholders organising the WCCM-2021.

[Amit Shah]

WCDM







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