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# REGIONAL WORKSHOP ON MAINSTREAMING CLIMATE CHANGE IN DISASTER RISK WITH REFERENCE TO GLACIAL LAKE OUTBURST FLOOD (GLOF) AND FOREST FIRE IN SIKKIM HIMALAYAS

*Organised By*

SIKKIM STATE DISASTER MANAGEMENT AUTHORITY  
LAND REVENUE AND DISASTER MANAGEMENT DEPARTMENT, GOVERNMENT OF SIKKIM

*in collaboration with*

UNITED NATIONS DEVELOPMENT PROGRAMME (UNDP)  
SWISS AGENCY FOR DEVELOPMENT & COOPERATION (SDC)  
INDIAN INSTITUTE OF PUBLIC ADMINISTRATION (IIPA)

8<sup>th</sup> & 9<sup>th</sup> May, 2018

Chintan Bhawan, Gangtok, Sikkim



**Sikkim State Disaster Management Authority**  
**Land Revenue and Disaster Management Department**  
**Government of Sikkim**

requests your gracious presence at Chintan Bhawan, Gangtok  
on 8th & 9th May, 2018 at 10 am.  
to attend the

**“Regional Workshop on  
Mainstreaming Climate Change in  
Disaster Risk with Reference to  
Glacial Lake Outburst Flood (GLOF)  
and Forest Fire in Sikkim Himalayas”**

Shri Tshering Wangdi Lepcha  
Hon’ble Minister, Forest, Environment & Wildlife Management,  
Mines, Minerals & Geology and  
Science & Technology & Climate Change Departments

will preside over the inaugural function as the Chief Guest.

RSVP : SSDMA : 9434186234

**Inaugural Session, 8th May 2018**

10:30 – 10:40	Welcome Address	Shri. Tsegyal Tashi, State Relief Commissioner cum Secretary, Land Revenue & DM Dept., Government of Sikkim
10:40 – 10:50	Keynote Address	Shri. V.K. Sharma, Vice Chairman, Sikkim State Disaster Management Authority, Government of Sikkim
10:50 – 11:00	Overview of UNDP support to Government of Sikkim	Mr. Dennis Curry, Deputy Country Director, a.i., UNDP, India
11:00 – 11:10	Address by Special Guest	Ms. Marylaure Crettaz, Director, SDC India
11:10 – 11:20	Address by Special Guest	Dr. V.Thiruppugazh, IAS, Joint Secretary, (P&P) NDMA
11:20 - 11:30	Address of the Chief Guest	Shri. Tshering Wangdi Lepcha Hon'ble Minister Forest, Environment WMD, DMMG, DST & CC, Government of Sikkim
11:30 – 11:35	Vote of Thanks	Shri. Rinzing Chewang Special Secretary, Land Revenue & DM Dept., Government of Sikkim
	Tea Break	
11:55 – 12:30	Mainstreaming DRR & CCA in Developmental Planning	Dr. V. Thiruppugazh, IAS, Joint Secretary, (P&P) NDMA

### Technical Session I, 8th May 2018 : GLOF Impacts and Early Warning System in Eastern Himalayas

Chair – Prof. V.K. Sharma, Vice Chairman, SSDMA  
Co-Chair – Dr. Shyamli Singh, IIPA

12:30 – 12:45	SDC-UNDP Project on Reducing GLOF threat at South Lhonak Lake	Keshav Koirala, Technical Expert, UNDP
12:45 – 13:00	Early Warning System (GLOF) at Puna Tsang Chhu Basin	Shri. Sangay Tenzin, Engineer, Hydrology & Water Resources Services Division, Royal Government of Bhutan
<b>Lunch Break</b>		
14:00- 14:20	GLOF and Early Warning System to Save Lives and Livelihood: Nepal Experience	Mr. Deepak KC, Senior Programme Officer- Climate Change Adaptation and DRR, UNDP, Nepal
14:20-14:40	Himalayan Glacial Lakes and GLOF threat with special reference to Chorabari Glacial Flood, June,2013	Dr. D.P.Dobhal, Scientist-'F', Centre For Glaciology, Wadia Institute of Himalayan Geology, Utrakhand
14:40- 15:00	Proposed EWS for Glacial Lakes in Sikkim	Dr. Andrew Kos, Helvetas
15:00 – 15:20	Discussion	Chair

### Technical Session II, 9th May 2018: Forest Fire and Challenges in Mitigation

Chair – Shri. Thomas Chandy, PCCF cum Secretary, FEWMD, Government of Sikkim  
Co-Chair – Dr. S. Satapathy, Technical Advisor, UNDP

10:00 – 10:15	Climate Change and it's impacts on forest fire	Shri. Ombir Singh, Scientist –“E”
10:15 – 10:30	Role of Forest Task Force in Mitigation – Forest Fire policy	Shri. N.W.Tamang, CF (T), FEWMD, Govt. of Sikkim
10:30 – 10:45	Sharing of traditional knowledge on forest fire management	Joint Forest Management Committee Member
10:45 – 11:00	Management of Forests Fires in Utrakhand and Challenges Involved in Mitigation of Forests Fires	Shri. Vineet Pangtey, Addl. Principal Chief Conservator of Forests, Research, Management and Training, Utrakhand, Dehradun

11:15 – 11:30	Forest Fire in the Eastern Himalayas	Krishna Bhujel, Researcher Tribhuvan University
11:30 – 11:45	Role of ICT in management of Forest Fire	Dr. Maneesha V. Ramesh Director, Amrita Centre for Wireless Networks and Applications
11:45 – 12:00	Discussion	Chair
12:00 – 12:15	Summary	SSDMA/MHA/NDMA
LUNCH		

### Technical Session III, 9th May 2018: Summary & Way Forward

Chair- Shri. A.K.Srivastava, Chief Secretary, Govt. of Sikkim  
Co-chair- Shri.Tsegyal Tashi, IAS, Secretary cum State Relief Commissioner.

13:15 – 13:30	Modelling of GLOF Threat on Teesta Basin	Shri. Ravi Shankar, Chief Engineer, Central Water Commission
13:30 – 13:45	Opportunities for accessing climate finance	Dr. S. Satapathy, Technical Advisor UNDP
13:45 – 14:00	Recommendation to the Government on Mitigation of Forest	FireChair – Forest Fire
14:00 – 14:15	Recommendation to the Government on EWS for Glacial Lakes	Chair – GLOF
15:15 – 15:30	Way Forward and Discussion	Prof. V.K.Sharma Vice Chair, SSDMA & Dr. Preeti Soni, Assistant Country Director, UNDP

### Valedictory Session (GLOF and Forest Fire)

15:45 – 16:00	Summary of Proceedings of the Two Days' Workshop	State Relief Commissioner cum Secretary, Land Revenue & Disaster Management Department, Government of Sikkim
16:00 – 16:15	Valedictory Address	Chief Secretary, Government of Sikkim
6:15 – 16:30	Vote of Thanks	Additional Secretary, Land Revenue & Disaster Management Department, Government of Sikkim