



Regional workshop on
Enhancing Preparedness for Climate Related Disasters Using Space-Based Technologies

Date: 17th February 2021 | Time: (13:30 – 17:00 hrs IST)

Jointly organised by

SAARC DMC (IU), UN-SPIDER, IWMI and CSSTEAP

Programme Note

Introduction

SDMC (IU) and the United Nations Office for Outer Space Affairs (UNOOSA), through the UN-SPIDER, organised two programmes in 2018 and 2019 for the countries in South Asia. These programmes focussed on the using space-based information for monitoring of Sendai framework and it also explored specific topics such as multi-hazard disaster risk assessment. The programme has been successful in keeping regional level engagement with disaster management community and technical organisations that are provider of space-based information in the SAARC region. These programmes are supported by two important partners: International Water Management Institute (IWMI) and Centre for Space Science and Technology Education for Asia and the Pacific (CSSTEAP). Considering the success of earlier conducted programs, it is planned to maintain continuity during COVID-19 pandemic situation, through virtual mode. The online event is proposed to be organised on 17th February 2021.

About the proposed Webinar (Training and Simulation exercises)

The workshop is aimed at supporting efforts of the countries in the region to make effective utilization of space-based information for providing early warning and risk information, which also contributes to achieve targets of the Sendai Framework. This joint effort should allow the participants to identify risk areas, access flood and cyclone related early warning information, prepare for the use of emergency response mechanisms like International Charter Space and Major Disasters and Sentinel Asia and prepare the products needed for decision making. These will be tangible outcome of the workshops. The workshop will also allow the participants to share their experiences.

Organisers

- SAARC Disaster Management Centre (IU); and



- United Nations Office for Outer Space Affairs (UNOOSA), through its United Nations Platform for Space based Information for Disaster Management and Emergency Response (UN-SPIDER)
- International Water Management Institute (IWMI), Sri Lanka and
- Centre for Space Science and Technology Education for Asia and the Pacific (UN affiliated), India

Target Audience

Senior officers from National Disaster Management Authorities, senior officers dealing with DRM at various levels, agencies dealing with application of Remote Sensing & Geospatial technologies from SAARC Member States.

Agenda

S.No.	Technical Sessions	Time	Resource Person
1.	Inauguration of the Webinar	13:30 - 14: 00	SDMC (IU)
	<ul style="list-style-type: none"> - Welcome & Introduction of the Speakers - Opening remarks 	10 min	Director, SDMC (IU) Dr. Shirish Ravan – Head, UN-SPIDER Dr. Mark Smith - Director Gen., IWMI Dr. Prakash Chauhan – Director, CSSTEAP
	Introductory Remarks by Member States	16 min (2 min each + 4 min moderation)	Representatives from all the SAARC Member States
2.	Understanding meteorological information for early warning	14:00 – 14:45 (15 min each)	Dr. R. Jenamani, Scientist – IMD, India Mr. Shamsuddin Ahmed, DG – BMD, Bangladesh
	Discussion	15 min	Moderator- Dr. Prakash Chauhan (CSSTEAP)
3.	Earth Observation for Risk Analysis and scenario building <ul style="list-style-type: none"> i. Puzzle ii. Presentation iii. Online browsing of various knowledge products for natural hazards & disaster (NOAA GFS, Himawari, GloFAS, Earth Engine, NASA Worldview, Bhuvan or NDEM, Disaster charter) 	14:45 – 15:30	Presenter & Moderator- Dr. Giriraj Amarnath, IWMI
4.	Earth Observation for Emergency Response and scenario building <ul style="list-style-type: none"> i. Listing space-based/geospatial information mapping flood risk zones, monitoring flood situations and providing early warning 	15:30 – 16:00	Moderator- Mr. C.M. Bhatt and Dr. Shirish Ravan (CSSTEAP)



	<i>(Participants to put their answers in the chat box)</i> ii. Use case: Recent floods in Uttarakhand, India - experience of using Earth Observation.		
5.	Experience Sharing by SAARC Member States	16:00 – 16:45 <i>(5 min each)</i>	Representatives from all the SAARC Member States Moderator - Director, SDMC (IU)
6.	Wrap up	16:45 – 17:00	