

# High-End Workshop

on

## Space-based solution for Disaster Risk Reduction

(under the ABHYAAS Scheme – a SERB Initiative)

(November 14-26, 2022)



### Organized by:

Land & Water Management Research Group  
KSCSTE - Centre for Water Resources Development  
and Management (CWRDM)  
Kozhikode – 673 571, Kerala, India

### Funded by:

Science & Engineering Research Board (SERB),  
Department of Science and Technology (DST), Govt.  
of India under 'Accelerate Vigyan Scheme'.

### About the Workshop

CWRDM will be conducting the High-End Workshop on **Spaced-Based Solution for Disaster Risk Reduction** as 'Karyashala' under ABHYAAS scheme of Accelerate Vigyan, SERB (in physical mode) during November 14-26, 2022. The workshop is planned to disseminate the scientific knowledge of 'Geospatial technologies' towards understanding the risks associated with various 'Natural Disasters' and also in effective planning for **Disaster Risk Reduction**. In addition, the workshop targets on providing hands-on training using open source QGIS software for mapping, and a pilot study on the themes related to Flood Mapping, Landslide Vulnerability Assessment, Drought Analysis, Coastal Changes using the applications of Remote Sensing and GIS.

### Host Institute

CWRDM is a premier R&D institution in the 'Water sector' established by the Government of Kerala under its Science and Technology Policy in February 1978. Later, the Centre was amalgamated with the Kerala State Council for Science, Technology and Environment (KSCSTE) in its Silver Jubilee Year-2003. CWRDM has substantially contributed to the scientific hydrologic studies and water management in the region. Starting with the establishment of data management system for the region, CWRDM has tackled different problems pertaining to watershed development, wetland management, water management for agriculture, forest and urban hydrology, estuarine management, groundwater development, water quality management, irrigation and drainage issues.

### Registration Guidelines

Applicants should be pursuing PG/PhD in any discipline of Earth Sciences (include Geology, Geography, Geoinformatics, etc.), Hydrology, Disaster Management, Agriculture and Environmental Science/Engineering from a recognized University/Institution in India (*recently completed PG scholars are also eligible to apply*). Candidates who have completed PhD will not be considered. **There is no registration fee.**

➤ Interested participants can apply through Google form ([https://docs.google.com/forms/d/e/1FAIpQLSdTqb9YCtTwMOM6uX7StcsuwvivyfqIOj6R5\\_YFvDr-iiOZmwv/viewform?usp=pp\\_url](https://docs.google.com/forms/d/e/1FAIpQLSdTqb9YCtTwMOM6uX7StcsuwvivyfqIOj6R5_YFvDr-iiOZmwv/viewform?usp=pp_url)) latest by October 16, 2022.

- The number of participants is limited to 25 (*Intimation to Selected candidates: October 20, 2022*).
- Boarding and lodging will be borne by the organizing institute. TA may be admissible as per the sponsoring agency norms & rules.

### Chief Patron:

Dr. Manoj P Samuel  
(Executive Director, CWRDM)

### Head of Organizing Research Group:

Dr. U. Surendran  
(Principal Scientist, CWRDM)

### Convener (Event Organizer):

Dr. K. Chinni V NagaKumar  
(Scientist, CWRDM)

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