

# EMPLOYING GIS IN CLIMATE RISK ASSESSMENT FOR ADAPTATION

Climate change has begun to pose several multifaceted challenges, a most prominent one being the increased frequency and intensity of extreme weather events. Effective adaptation is crucial to minimise the impacts of extreme events and to build resilient communities and ecosystems. In this context, geographic information systems (GIS) have emerged as a cornerstone, providing powerful tools for spatial analysis, data visualisation, and integration to support informed decision-making.

This webinar is an opportunity to deepen your understanding of GIS technology and its role in informed decision-making for adaptation. The sessions explore how GIS is revolutionising climate risk analysis and providing insights for formulating adaptation strategies. With a focus on real-time knowledge acquired from projects or assessments and practical insights, the webinar aims to inform the participants about ways to leverage GIS for climate risk assessment.

So, join us for the engaging and informative sessions, as we uncover the critical role of GIS in shaping a resilient future.

## Target Participants

The webinar is designed for professionals/scholars/students learning or engaged in climate risk assessments/urban and regional planning/natural resource management, with some background knowledge of geography/environmental science/remote sensing.

**Date:** 3 December 2024, Tuesday

**Time:** 3:00 to 4:00 p.m.

**Mode:** Virtual

## Agenda

Session	Duration	Resource person
Welcome Address	10 min	Dr Anushiya J
Topic 1: Applications of GIS in climate risk assessment (with case studies)	20 min	Pradeep M S
Topic 2: GIS as an insight provider in risk analysis for adaptation	20 min	
Q & A	10 min	
Closing Remarks	5 min	Dr Anushiya J

