

# Urban Resilience and Adaptation for India and Mongolia:

*Curricula, capacity, ICT and stakeholder collaboration to support green & blue infrastructure and nature-based solutions*

## Revised Course: ENVIRONMENTAL INFORMATICS AND MODELING

**This course will be  
Offered to  
all Postgraduate  
Students**

*This 4 ECTS course provides the fundamentals of environmental informatics, different types of database management system, spatial data structure, how to extract information from different data sources such as air borne data, space borne data, climate data, GPS, topographical maps and how to convert them into digital form. It also teaches the students how to integrate and analyse the trend and pattern.*

*It also introduces the students the concept of weightage, how to assign class weightage and layer weightage. The fundamentals of spatial modelling and how to perform modelling to identify the suitability and vulnerability. This course also demonstrates data collection using GPS, Map reading, DBMS, 2D analysis and 3D analysis*



Pondicherry University, India



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