



DEPARTMENT OF ECONOMICS,  
GOA UNIVERSITY

*organises a talk*  
IN COLLABORATION WITH

INDIAN SOCIETY FOR ECOLOGICAL ECONOMICS, (INSEE)  
&  
THE INDIAN INSTITUTE OF ARCHITECTS (GOA CHAPTER)  
ON



# URBAN FLOODING VULNERABILITY & RESILIENCE LESSONS FROM SOUTH ASIA

BY: **DR. SUSMITA DASGUPTA**  
LEAD ENVIRONMENTAL ECONOMIST, WORLD BANK

The talk will be chaired by  
**PROF. E.F.N. RIBEIRO**,  
EX. CHIEF PLANNER - GOVT. OF INDIA,  
FORMER DIRECTOR SCHOOL OF PLANNING & ARCHITECTURE, NEW DELHI

& Introduction by  
**PROF. P.K. SUDARSAN**,  
HEAD, DEPARTMENT OF ECONOMICS, GOA UNIVERSITY

Structural adaptation poverty climate change measures  
Regional planners economist Deforestation Pollution Adaptation cost  
flood plains sustainable Team planning development Hydrology Smart policies  
urban planners Biodiversity loss Environment Infrastructure  
Resilience

## SPEAKER'S BIOGRAPHY

Dr. Susmita Dasgupta is a Lead Environmental Economist in the Environment and Energy Research Group of the World Bank with a specialization in empirical research. Her research focus is on environmental management in developing countries. Dr. Dasgupta has done extensive analysis on health hazards of pollution, poverty/ environment nexus, setting priorities in pollution control, biodiversity loss, impacts of climate change on coastal zones and climate extremes, adaptation to climate change, cost effective regulations, monitoring and enforcement of regulations. She has conducted research activities in Bangladesh, Brazil, Cambodia, China, Colombia, Cuba, India, Iran, Lao PDR, Madagascar, Mexico, Saudi Arabia, Tunisia, Vietnam and Yemen and has published numerous articles on issues related to development and environment.



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## DESCRIPTION OF PROPOSED TALK

The climatic outlook for South Asia in the 21st century signals heavier and more erratic rainfall during the monsoon season, according to the Fifth Assessment Report of the Intergovernmental Panel on Climate Change and the World Meteorological Organization. Thus, climate change will impact on cities in coastal areas and flood plains. Dr. Dasgupta will present her much talked about work on the city of Dhaka which is routinely devastated by floods. Her work provides a road map for strengthening urban climate - disaster resilience and adaptive capacity of South Asian cities. She argues that climate - smart policies require local planners to better understand the likely damage from current flooding, potential damage from climate - related risks, and measures that can be taken to cope with current and future flooding and adaptation costs. In this presentation, Susmita Dasgupta will discuss the outcomes of a multidisciplinary research conducted by a team of hydrologists, economists and regional planners for building local resilience to flood - disaster risk. The research assesses Dhaka's preparedness for urban flood emergencies, estimates probable damage from extreme rainfall events by 2050 with or without climate change, develops structural adaptation measures to cope with current and future flooding, evaluates the reduction in economic damage resulting from implementing these measures, and estimates adaptation cost. These provide important lessons for urban planners and economists who seek answers in critical knowledge gap areas of itemized estimates of the incremental costs of infrastructure adaptation.

DATE : 7TH DECEMBER 2018 TIME : 2:30 PM TILL 4:00 PM

VENUE : CONFERENCE HALL, ADMIN BLOCK,  
GOA UNIVERSITY, TALEIGAO PLATEAU, GOA

ALL ARE CORDIALLY INVITED (OPEN TO PUBLIC)