



**DIVECHA CENTRE FOR CLIMATE CHANGE
INDIAN INSTITUTE OF SCIENCE
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Divecha Centre for Climate Change Seminar

Title : “Aerosols and the Climate Change Conundrum: How is the Puzzle Evolving?”

Speaker : Prof. V.Ramaswamy,
Director, NOAA/Geophysical Fluid Dynamics Laboratory,
and Professor, Atmospheric and Oceanic Science Program,
Princeton University, Princeton, New Jersey, USA

Venue : Centre for Atmospheric & Oceanic Sciences Seminar Hall

Date : Monday, 06 November 2017.

Time : 3: 30 pm.

Abstract : Aerosols pose a central uncertainty in the understanding of climate change, both in the 20th and 21st Century contexts. There continue to be gaps in the knowledge on aerosols from the radiative forcing viewpoint, while vast areas of inadequacy in our efforts to reduce the uncertainties in aerosol-cloud interactions, especially regionally, affect our knowledge on climate response to radiative, particularly anthropogenic, forcings. We will focus on how the recent knowledge has expanded, reducing gaps in some areas of the field, but introducing new ones and raising challenging science questions concerning the eclectic mix represented by the different kinds of aerosols. Recent considerations take the issue beyond the effects of the aerosols on solely temperature changes to other important climate variables from the global to regional scales.

All are Welcome