



**Divecha Centre for
Climate Change**



**INDIAN INSTITUTE
OF SCIENCE** Bengaluru

9th JEREMY GRANTHAM LECTURE ON CLIMATE CHANGE

**Will Climate Change
lead to an abrupt
cessation
of the Indian monsoon?**



William R. Boos
Yale University

In the recent past, some scientists have predicted that global warming and air pollution can cause the abrupt cessation of the Indian monsoon. In this talk, Prof. Boos will present an overview of the physical mechanisms that might cause abrupt changes in monsoons and discuss how likely these are to be relevant in coming decades. He will review evidence from past, present and future monsoon climates. He will argue that the main theory used to predict an abrupt shut down of monsoons in response to anthropogenic emissions or land use change contains important flaws. A modified theory and a comprehensive global climate model both exhibit a continuous and nearly linear response to perturbations induced naturally or by human beings.



**Monday 25 July 2016, 3.30 pm at Divecha Centre for
Climate Change Auditorium
INDIAN INSTITUTE OF SCIENCE, Bengaluru**