

Understanding Climate Change

Working together to meet the challenge

When: 11 Jan 2013, 9:00-17:30

Where: Divecha Centre for Climate Change, IISc Bangalore

What: A joint event between the [Divecha Centre for Climate Change](#), Indian Institute of Science Bangalore, and the [Grantham Institute for Climate Change](#), Imperial College London.

Introduction

In order to meet the challenges we face from climate and global environmental change we will need to develop our understanding of climate systems and the potential technologies and options that are available to help mitigate and adapt to the changing world. This requires world-leading research capabilities within these areas and offers an opportunity for collaborative research activities to develop leading expertise to deliver this. Working together, and linking to the real world needs in business and government, our institutes are able to draw on the best research to inform decision making around climate change.

This event will explore the role of universities in meeting global challenges, setting out the science and potential impacts faced by climate change, as well showcasing some potential options to mitigate its effects. Discussions will focus of the potential of world leading research to help inform decision making in the public and private sector.

A provisional programme is available below and the meeting will be followed by a networking reception. All are welcome to attend, though registration is required due to the limited number of spaces available on the day.

About the Divecha Centre and Grantham Institute

The Divecha Centre and Grantham Institute are both funded by the [Grantham Foundation for the Protection for the Environment](#), whose mission is to protect and improve the health of the global environment. The Divecha Centre also received funding from Arjun and Diana Divecha. The Grantham Foundation was created in 1997 by Jeremy and Hannelore Grantham. Jeremy is Co-Founder and Chief Strategist of [GMO, LLC](#), an investment management firm. In addition to these Institutes, Jeremy also funds the [Grantham Research Institute on Climate Change and the Environment](#) at the London School of Economics. Collectively these research organisations seek to draw on the world-leading research to inform decision making around climate and global environmental change.

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Programme – morning session

Time

09:00-09:30	Registration and light refreshments
09:30-09:35	Welcome and introduction Professor J Srinivasan, Director of the Divecha Centre for Climate Change
09:35-10:10	The role of research universities in tackling global challenges <ul style="list-style-type: none"> i. Prof P Balaram, Director of the IISc, Bangalore (15 mins) ii. Prof Sir Keith O’Nions, President & Rector of Imperial College London (15 mins) iii. Q&A session (5 mins)
10:10-10:35	Climate Change - challenges for Karnataka TBC
10:35-11:00	Break and tea/coffee
11:00-12:20	Climate change – the science and potential impacts Chair: TBC <ul style="list-style-type: none"> i. Climate change and variability on a global scale (20 mins) Prof Sir Brian Hoskins, Director of the Grantham Institute for Climate Change ii. Prospects for the Indian monsoon (20 mins) Prof J Srinivasan, Director of the Divecha Centre for Climate Change iii. Water management in the Ganges (20 mins) Prof Pradeep Mujumdar, IISc Bangalore. iv. Q&A session (20mins)
12:20-13:50	Lunch

Programme – afternoon session

Time	
13:50 -14:00	The mitigation challenge – introducing the challenge TBC
14:00-15:00	Solar photovoltaics Chair: Prof J Srinivasan <ul style="list-style-type: none"> i. Assessment of the mitigation potential of solar technologies (20 mins) Prof Jenny Nelson, Imperial College London ii. Concentrated solar power in India (20 mins) Dr Sheela Ramasesha, IISc Bangalore iii. Q&A session (20 mins)
15:00-15:30	Break and tea/coffee
15:30-16:30	Resilient low-carbon cities Chair: Prof Sir B Hoskins <ul style="list-style-type: none"> i. Emerging World Cities and urban mobility (20 mins) Professor TG Sitharam, CiSTUP IISc Bangalore ii. Understanding urban systems (20 mins) Prof John Polak, Imperial College London iii. Q&A session (20 mins)
16:30-17:20	Panel discussion – looking ahead to the future Chair: TBC
17:20-17:30	Concluding remarks Prof Sir Brian Hoskins and Prof J Srinivasan
17:30-18:30	Networking reception