

Organized jointly by IIT Delhi, IIT Madras and Centre for Science and Environment

National Research Conference on Climate Change Indian Institute of Technology Delhi November 5-6, 2011

DETAILED PROGRAMME

DAY 1: NOVEMBER 5, 2011

REGISTRATION (Venue: VLT I) - 08.00 to 09.00 TEA (VENUE: VLT I) - 09.00 to 09.15

INTRODUCTION (Venue: VLTI)

Dr. Krishna Achutarao, IITD — 09:15 to 09:30

Chandra Bhushan, CSE — 9.30 to 09.45

SESSION I - 10:00 TO 13:00

SCIENCE & IMPACTS (VENUE: II LT 2)

Moderator: Chandra Bhushan

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S K Dash	Study of changes in climate parameters at regional level:	1 H H H
	Indian scenarios	10.00 to 10.30
Sharad K Jain	Climate Change and hydropower generation	10.30 to 11.00
Shreekant Gupta	Economic Impacts of Climate Change	11.00 to 11.30
Akram Javed	Impact of climate change on watershed levels in Rajasthan	11.30 to 12.00
Naresh Kumar	Long-term trends of heavy precipitation over northwest	AT I
	Himalayas	12.00 to 12.30
\ U	MITIGATION (Venue: III LT 1) Moderator: Ambuj Sagar	
Eswaran Somanathan	Learning rates and the green energy deployment game	10:00 to 10:30
Soumen Maity	Low carbon initiatives in the Indian brick sector	10.30 to 11.00
Soumyananda Dinda	Production, technology, patents and carbon emission	11.00 to 11.30
Gagan Preet Kaur	Developing capacity of stakeholders towards green	
	factories: An action review	11.30 to 12.00
K Ravi Srinivas	Open innovation, open source models in the context	
	of technology development and transfer in adaptation and	
	mitigation strategies for climate change	12.00 to 12.30
	ADAPTATION (VENUE: III LT 2) Moderator: Krishna Achutarao	
Arivudai Nambi	Community based adaptation	10:00 to 10:30
Dalbir Singh	Adaptation to climate variability in Rajasthan: Learning from	
	traditional household strategies and institutional initiatives	10.30 to 11.00

Rural-urban transition and vulnerabilities to climate change:

Social capital and local institutions: A perspective to assess

communities' adaptation potential to climate change

11.00 to 11.30

11.30 to 12.00

A case study of a village in Bengaluru city

Hita Unnikrishnan

Bhaskar Padigala

Raieev Ranian The value of natural resource management in adaptation

> and building resilience to climate change 12.00 to 12.30

Architesh Panda Adaptation to climate variability and change among small

> and marginal farmers in Odisha 12.30 to 13.00

LUNCH (VENUE: THE PAVILION, IIT SPORTS GROUND) - 13.00 to 14.30

SESSION II - 14.30 TO 16.30

SCIENCE & IMPACTS (VENUE: III LT I) **Moderator: Sudhir Chella Rajan**

Subimal Ghosh Finer scale temperature and rainfall projections using

> statistical downscaling for climate change studies 14.30 to 15.00

Sagnik Dey Examination of aerosol-cloud-climate interaction in the

> Indian Ocean 15.00 to 15.30

Sampa Das Data assimilation using optimal interpolation: Correcting

chemical transport model predictions with satellite

15.30 to 16.00

W N Paunikar The phage-host interaction as a model for studying carbon

> regulation in aquatic system 16.00 to 16.30

> > MITIGATION (VENUE: III LT 2) **Moderator: Sunita Narain**

Govindaswamy Bala Should we do geo-engineering research? 14.30 to 15.00

NH Ravindranath Climate change and forests as well as implications: REDD 15.00 to 15.30

Ridhima Gupta Emissions from agricultural residue burning in north-west India: Causes and the evaluation of a technology-policy

> response 15.30 to 16.00

Sudheesh Ramapurath

Chemmencheri REDD+ in India: Social costs of climate mitigation 16.00 to 16.30

TEA (VENUE: II LT 2) - 16.30 to 16.45

SESSION III - 16.45 TO 18.001

RESEARCH FUNDING OPPORTUNITIES (VENUE: II LT 2) Moderator: Ambui Sagar

K J Ramesh, Ministry of Earth Sciences Akhilesh Gupta, Department of Science and Technology S.Satpathy, Ministry of Environment and Forests

DINNER (VENUE: SILVER OAK LAWNS, INDIA HABITAT CENTRE) - 19.00 onwards

DAY II: NOVEMBER 6, 2011

■ SESSION I - 09.30-12.30

SCIENCE & IMPACTS (VENUE: II LT I) Moderator: Sudhir Chella Rajan

Extreme sea-level changes along the east coast of India	09.30 to 10.00
Climate change and vector borne diseases in India	10.00 to 10.30
Exploring the impacts of climate variability on traditional	
agricultural practices in the villages of Thar	10.30 to 11.00
Climate change and long-term impacts on livestock in India	11.00 to 11.30
	Climate change and vector borne diseases in India Exploring the impacts of climate variability on traditional agricultural practices in the villages of Thar

Gaurav Arya Impact of climate change on food security and cereal

production in India 11.30 to 12.00 **Suresh Sharma** Changing climate and its impact on productivity of cowpea

and bajra in semi-arid regions 12.00 to 12.30

MITIGATION (VENUE: II LT 2) Moderator: Ambuj Sagar

Dinesh Mohan	Moving in slow cities for survival	09.30 to 10.00
Geetam Tiwari	Low carbon mobility plans for Indian cities	10.00 to 10.30
B Sengupta	Status of fine particulate matter/black carbon management	
	in India with special reference to climate change	10.30 to 11.00
Deepak Singh	Simulating the changing electrical consumption patterns and	
	rebound effects: A foresight scenario for 2050	11.00 to 11.30
Parul Gupta	Tracking the anthropogenic drivers of carbon dioxide emissions	5
	growth in India: A state-level analysis	11.30 to 12.00
Pankaj Sadavarte	Climate footprint of selected Indian emission sectors	12.00 to 12.30
	ADAPTATION (VENUE: III LT 2) Moderator: Krishna Achutarao	
Upasna Sharma	The role of education in enhancing adaptive capacity to	
	climate risk: Empirical evidence from coastal zones in India	09.30 to 10.00
Sakshi Saini	Communication for development enabled approaches for	
	climate change adaptation and mitigation: A case study of	
	urban poor women	10.00 to 10.30
Ramasamy Krishnamurth	y Applying a climate disaster resilience index to enhance	
	planning decisions in Chennai	10.30 to 11.00
Sujit Kumar Mishra	Adaptation and sustainable livelihoods: Policy implications	
1:/	in the challenging hydro-climates of India	11.00 to 11.30
PK Viswanathan	Development of restoration of mangrove ecosystems in the	
	context of emerging climate risks: Interventionist policies and	la /
	outcomes in India	11.30 to 12.00
Arijit Das	Collective action in mid-Himalayan region for sustainable	H= //
Jar.C	development	12.00 to 12.30
LUNC	CH (VENUE: THE PAVILION, IT SPORTS GROUND) - 13.00 to 14.00	

I SESSION II - 14.00 TO 16.30

SCIENCE & IMPACTS (VENUE: II LT I)
Moderator: Chandra Bhushan

	WIND IN WILL STATE -1-11	/
Sarath Guttikunda	Non-traditional sources of pollution in Indian cities	14.00 to 14.30
Eshita Gupta	Global warming and local cooling: The impact of climate	1
	change on electricity demand in India	15.00 to 15.30
Puneeta Pandey	Assessing the summer-time urban heat islands over Delhi:	
	A case study of micro-level climate change	15.30 to 16.00
M Karthik	Impact of methane emissions from wastewater sector in India	
	through a case study of an effluent treatment plant	16.00 to 16.30

MITIGATION (VENUE: II LT 2) Moderator: Sudhir Chella Rajan

Carbon sensitive productivity growth	14.00 to 14.25
A paradigm for equitable access to sustainable development	14.25 to 14.50
Energy in a carbon budget regime	14.50 to 15.15
Climate change burden sharing: A reappraisal of the equity	
debate	15.15 to 15.40
Implementing efficient pricing of emissions trading in an	
exchange economy	15.40 to 16.05
	A paradigm for equitable access to sustainable development Energy in a carbon budget regime Climate change burden sharing: A reappraisal of the equity debate Implementing efficient pricing of emissions trading in an

Pradeep Gautam Climate change, environmental security and regional cooperation 16.05 to 16.30 ADAPTATION (VENUE: III LT 2) Moderator: Ambuj Sagar NAME TITLE TIME **Jagriti Kher** Climate change and water vulnerability at the household 14.00 to 14.30 **Mrutyunjay Swain** Drought, vulnerability, coping capacity and residual risk: Evidence from Bolangir district in western Odisha 14.30 to 15.00 **Asmita Bharadwaj** Livelihoods in rainfed areas and the challenge of climate change adaptation 15.00 to 15.30 Kirtika Rana Policy spaces for individual and collective strategies for adaptation 15.30 to 16.00

TEA (VENUE: SEMINAR HALL LOBBY) - 16.30 to 16.45

Is adaptation positive for rural economy at the farm level?

16.00 to 16.30

Sujata Majumdar

CONCLUSION (VENUE: SEMINAR HALL)

16.45 TO 17.30

Sunita Narain, CSE, Sudhir Chella Rajan, IIT Madras and Ambuj Sagar, IIT Delhi

REIMBURSEMENTS

November 5: Venue—V LT 1
November 6: Venue: Seminar Hall

IIT DELHI - MAP

