



INDIA-UK
Water Centre
भारत-यूके
जल केन्द्र

The India UK Water Centre : Activities

Dr. Atul Kumar Sahai
India Coordinator, Indian Institute of Tropical Meteorology
Enhancing Freshwater Monitoring through Earth Observation
19 June – 21 June 2017, Stirling

Developing Hydro climatic services for Water Security

29th November – 01st December 2016

S
C
I
E
N
T
I
S
T
S

- Climate information and tools
- Knowledge/data gaps
- Opportunities for future collaboration
- Needs of key stakeholders
- Enhancing links: India-UK scientists – end users of hydro-climatic services.

S
T
A
K
E
H
O
L
D
E
R
S



Developing Hydro climatic services for Water Security

Key Lessons:

1. In-depth understanding of physical catchment processes
2. Understanding water availability and use
3. Improving observation data
4. Improved meteorological inputs for hydrological modelling
5. Interdisciplinary science
6. Training & capacity building
7. User Engagement & Demand based service development
8. Communicating uncertainty



Research Exchanges: India - UK

Ms. Chandra Rupa

Indian Institute of Science, Bangalore

Quantifying resilience of water infrastructure to extreme precipitation events in urban areas



Dr. Guangtao Fu

University of Exeter

Dr Sumit Sen

Indian Institute of Technology, Roorkee

Ecosystems Services Assessment and its Implementation in UK



Dr Andrea Momblanch

University of Cranfield

Dr Narendra Tyagi

International Development Centre Foundation

Understanding the Water, Energy and Food Security Nexus to Design Technology and Policy Approaches for Enhanced Adaption to Climate Change in India



Dr Lyla Mehta

University of Sussex

Research Exchanges: UK - India

Dr Meaghan Daly
University of Leeds



Dr Crispino Lobo
Watershed Organisation Trust

Consolidating Learning about Stakeholder Engagement across Research and Practice: Toward the Development of Hydro-climatic Services

Mini Workshop

Dr Gary Fones
University of Portsmouth



Dr Priyanka Jamwal
Ashoka Trust for Research in Ecology and the Environment

The use of passive sampling devices to improve the monitoring of anthropogenic pollutants in river catchments in India

Mini Workshop on: ‘Surface water quality monitoring – issues, challenges and way forward’

Pump Priming Projects:

Project I:

“Ways of optimising new hydro-climatic services for stakeholders”

Status: Ongoing

Project Lead: Dr Zareen Bharucha (Anglia Ruskin University)

Co - investigators :

- Dr. Jagdish Krishnaswamy, Ashoka Trust for Ecology and Environment
- Dr. Rajib Chattopadhyay, Indian Institute of Tropical Meteorology
- Dr. Michael Green, Anglia Ruskin University
- Dr. Ajay Bhave, University of Leeds

Project Activity: Webinar: "Stakeholder Engagement in Climate Services in India"



Pump Priming Projects:

Project II:

“Current opportunities and challenges in developing hydro-climatic services in the Himalayas”

Status: Ongoing

Project Lead: Dr Martin Widmann (University of Birmingham)

Co - investigators :

- Dr. J. Sanjay, Dr K.P. Sooraj; Indian Institute of Tropical Meteorology
- Dr. E. N. Rajagopa, Dr. A. Mitra ; National Centre for Medium Range Weather Forecasting
- Prof. A. Karumuri; University of Hyderabad
- Dr A. Orr; British Antarctic Survey
- Prof. D. Hannah , Dr. A. Van Loon; University of Birmingham



User Engagement Initiative – I : *Coming soon.....*

“Improving freshwater monitoring frameworks and data for research and management for Regional Water Policy and Management Bodies”



Upcoming funding call : *Coming soon ...*



‘Lead A Workshop’ Program

Open call inviting topics & ideas for workshop to be held
in India: November – December 2017



Join the IUKWC 'Open Network' to stay updated

More information available via:



INDIA-UK
Water Centre
भारत-यूके
जल केन्द्र

www.iukwc.org