

WCRP-JNU Training School on Monsoon Variability in Changing Climate

Programme

Sunday, 15 January 2017

Arrival / Welcome dinner (hosted by JNU)

Monday, 16 January 2017

08:30 – 09:30 Registration

09:30 – 14:00 *Session 1*

09:30 **Opening/Introduction**

Welcome remarks

Introduction of training school: objectives and requirements

Tour de table

Speakers: [JNU](#), [WCRP](#), [Key moderator](#)

10:10 **Overview of global and regional (Asian) monsoons**

General overview on global monsoons

Speaker(s): [Tianjun Zhou](#)

11:00 **Coffee Break (30')**

11:30 **Overview of global and regional (Asian) monsoons (cont'd.)**

General overview of regional monsoons

(Large scale) hydro-thermodynamics aspects

Speaker(s): [Tianjun Zhou](#)

13:00 **Lunch Break (60')**

14:00 – 18:00 *Session 2*

14:00 **Overview of global and regional (Asian) monsoons (cont'd.)**

Dynamics and process of Asian monsoons at various time scales

Speaker(s): [Hariharasubramanian Annamalai](#)

15:30 **Coffee Break (30')**

16:00 **Scale interactions from sub-daily, intraseasonal to inter-annual**

Speaker(s): [Raghu Murtugudde](#)

18:00 **End of Day 1**

Tuesday, 17 January 2017

09:30 – 14:00 *Session 3*

09:30 **Impacts and implication of monsoon variability in changing climate to coastal zones**

Consideration on the needs of societal end users

Quantifying the societal impact of the Asian Monsoon

Speaker(s): [Raghu Murtugudde](#)

- 11:00 **Coffee Break (30')**
 11:30 **Impacts and implication of monsoon variability in changing climate to coastal zones (cont'd.)**
 Speaker(s): [Raghu Murtugudde](#)
 13:00 **Lunch Break (60')**
- 14:00 – 18:00 *Session 4*
 14:00 **Open dialogue (participants, observers) on relevant user needs**
 Introduction
 Influence of Asian monsoon on various societal sectors
 Experiences in using and developing monsoon forecasting
 Moderators: [T.Zhou](#), [R.Murtugudde](#), [H.Annamalai](#)
 16:00 **Coffee Break (30')**
 16:30 **Sub-seasonal/intra-seasonal modeling and monsoon prediction**
 General overview
 Influence of orography, land-surface process, systematic errors etc.
 Speaker(s): [Hariharasubramanian Annamalai](#)
 18:00 **End of Day 2**

Wednesday, 18 January 2017

- 09:30 – 14:00 *Session 5*
 09:30 **Status of monsoon prediction**
 General overview
 Recent development in climate and weather modeling for simulation of regional monsoons
 Speaker(s): [Andy Turner](#)
 11:30 **Coffee Break (30')**
 12:00 **Status of monsoon prediction (cont'd.), successes and challenges**
 Monsoon prediction and predictability at different time scales
 Speaker(s): [Andy Turner](#)
 13:00 **Lunch Break (60')**
- 14:00 – 18:00 *Session 6*
 14:00 **Interaction of Asian Monsoon and global oceans**
 Speaker(s): [Roxy Mathew Koll](#)
 15:30 **Coffee Break (30')**
 16:00 **Seasonal to sub-seasonal modeling and monsoon prediction**
 Overview of ongoing efforts
 Recent development in climate and weather modeling for simulation of regional monsoons
 Speaker(s): [Roxy Mathew Koll](#)
 18:00 **End of Day 2**

Thursday, 19 January 2017

- 09:30 – 12:00 *Session 7*
 09:30 **Open dialogue (participants, observers) on status and gaps**

regarding monsoon predictability

Moderators: [J.Lee](#), [R.Koll](#), [T.Zhou](#)

11:30 **Coffee Break (30')**

12:00 – 18:00 12:00 **Field Trip**

Friday, 20 January 2017

09:30 – 14:00 *Session 8*

09:00 **Simulation and prediction of intra-seasonal oscillation of Asian Monsoon**

Speaker(s): [June-Yi Lee](#)

11:00 **Lunch Break (60')**

11:30 **Scale interactions from sub-daily, intraseasonal to inter-annual**

Speaker(s): [June-Yi Lee](#), [Raghu Murtugudde](#)

13:00 **Lunch Break (60')**

14:00 – 16:00 *Session 9*

14:00 **Conclusion and Recommendations**

Moderator: [WCRP](#), [Key moderators](#)

15:30 **Closing**

Speaker(s): [JNU](#), [WCRP](#)

16:00 **End of the School**