

The 2nd WCRP CORDEX Science and Technology Workshop in South Asia
(in partnership with MAIRS, APN, ICIMOD, CCCR-IITM, IAP)
27-30 August 2013, ICIMOD, Kathmandu, Nepal

Day 1: Tuesday, 27 August 2013

09:00–09:30 Registration

09:30–10:45 **Opening session** (Chair: Arun Shreshta, Rapporteur: Ailikun)

09:30–09:45 Welcome addresses: Dr. Arun Bhakta Shreshta (ICIMOD)

Gokarna Mani DUWADEE (APN NFP in Nepal)

M. Manton (MAIRS SSC chair, PI of APN project)

09:45–10:00 Michel Rixen: Intro of CORDEX/WCRP (via Skype)

10:00–10:15 Ailikun: Intro of MAIRS activities

10:15–10:30 Mandira Shreshta: Intro of ICIMOD

10:30–10:45 R. Krishnan: Intro of CCCR-IITM

10:45–11:30 **Group photo and coffee/tea break**

11:30-13:00 Scientific session 1: Overview of CORDEX South Asia

(Chair: Manton, Rapporteur: Krishnan)

11:30–12:00 R.Krishnan: CORDEX South Asia: A framework for addressing regional monsoon issues in a changing climate

12:00–12:30 J. Sanjay: Report of 1st CORDEX South Asia training workshop (On behalf of Michel Rixen)

12:30–13:00 Arun Shreshta: Regional climate and its variability over the Hindu-Kush Himalayas

13:00–14:00 **Lunch Break**

14:00–15:30 Scientific session 2: Hindu-Kush Himalayas and Tibetan Plateau : Regional climate and model performance

(Chair: Krishnan, Rapporteur: Manton)

14:00–14:30 Rishi Sharma: "Climate Portal" developed by DHM

15:30–15:00 Xuejie GAO: Uncertainties in Monsoon Precipitation Projections over China and the Tibetan Plateau: Results from Two High Resolution RCM Simulations

15:00–15:30 Ziqian WANG: Time-lagged Impact of Spring Sensible Heat Source over the Tibetan Plateau on the Summer Rainfall Anomaly in East China

15:30–16:00 **Coffee/Tea Break**

16:00–16:30 Pinhong HUI: RCM simulation in South Asia (session 2 contd)

16:30–17:30 Interaction with participants: (Co-ordinators: Mandira Shreshta and Ailikun)

Day 2: Wednesday, 28 August 2013

09:00–13:00 Scientific session3: Climate Projections in Hindu-Kush Himalayan and Tibetan Plateau

(Chair: Fredolin, Rapporteur: Sanjay)

09:00–09:30 Wenjie DONG: Regional and Sub-regional Asian Climate Simulation and Projection based on CMIP5.

09:30–10:00 Rajiv Chaturvedi: CMIP5 analysis of the South Asian monsoon

10:00–10:30 Jai-Ho Oh: Projection of the global Climate change with the high-resolution AGCM based on the RCP Scenarios

10:30–11:00 Shuyu WANG: Multi-model climate scenarios in South Asia and Tibetan Plateau

11:00–11:30 Coffee/Tea Break

11:30 –13:00 Scientific session 3 continue

11:30–12:00 John McGregor: CORDEX South Asia simulations from the CCAM model

12:00–12:25 Sanjay K Jain: Remote sensing applications on Himalayan glaciers and glacial lake outbursts

12:25–12:40 J. Sanjay: Role of soil moisture coupling on the surface temperature variability over the Indian subcontinent

12:40–13:00 Milind Mujumdar: Analysis and modelling of the 2010 heavy precipitation events over Pakistan

13:00–14:00 Lunch Break

14:00–15:30 Scientific session 4: Assessment of regional climate and model downscaling techniques and products

(Chair: Manton, Rapporteur: Ailikun)

14:00–14:30 Jinwon Kim: Evaluation of precipitation over the Indian subcontinent

14:30–15:00 Paul Ramirez: Demonstration of RCMES for the CORDEX South Asia domain

15:00–15:30 Yinpeng Li: Climate downscaling and assessment studies

15:30–16:00 Coffee/Tea Break

16:00 – 17:00 (Scientific session 4 contd)

16:00–16:30 Fredolin Tangang: Regional climate downscaling over the western part of the Maritime Continent

16:30–17:00 Jayashree Revadekar: Analysis of observed temperature and precipitation extremes over South Asia

18:30–20:30 Reception

Day 3: Thursday, 29 August 2013

09:00 – 13:00 Scientific session5: Dialogue with end-users

Please note that Day 3 morning is plenary session with 80 people

(Chair: John McGregor, Rapporteur: Fredolin)

09:00–09:30 Mandira Shreshta:

09:30–10:00 Chet Raj Upreti (NARC): climate change and agriculture

10:00–10:30 P.C Tiwari: Ecosystem and land management field

10:30–11:00 Coffee/Tea Break

11:00–13:00 discussion and dialogue with end-users (joint discussion)
(discussion topics will be prepared latter)

13:00–14:00 Lunch Break

14:00–17:00 Parallel session 6: Data and services

Please note Training will start from the afternoon, this parallel session is focused on data and services and coordination of CORDEX Asia with about 30 people who are not attending the training
(Chair: Kim, Rapporteur: Paul)

14:00–14:30 Shuyu WANG: RMIP data

14:30–15:00 Milind Mujumdar: CORDEX South Asia data system

15:00–15:30 Yinpeng LI: Introduction of SimCLIM system

15:30–16:00 Coffee/Tea Break

16:00–17:30 Parallel session 7: Joint discussion on coordination of CORDEX Asia: south Asia, east Asia and southeast Asia

(Chair: Mandira, Rapporteur: John McGregor)

Panellists: Krishnan, Kim, Tangan, Ailikun, Shuyu WANG, Paul, Yinpeng LI

Following is the Agenda for training courses

14:00–15:30 (Day 3 afternoon): Introduction to hands on training

14:00–14:30 --- J. Sanjay, IITM, Pune - CDO applications for CORDEX South Asia data analysis

14:30–15:00 --- Jayashree Revadekar, IITM, Pune - Observed climate data for South Asian region

15:00–15:30 --- Vimal Mishra, IIT Gandhinagar - Climate change, Hydrology and Water Resources

15:30 –16:00 Coffee/Tea Break

16:00–17:30 Introduction to hands on training (continued)

16:00–16:30 --- Devaraju, IISc, Bangalore – Climate change and terrestrial carbon cycle

16:30–17:00 --- Sanjay Jain, NIH, Roorkee – Climate change and Himalayan glaciers

17:00–17:30 --- Senthilnathan, TNAU, Coimbatore – Climate change, Agriculture & Economics

Day 4: Friday, 30 August 2013

09:00 – 11:00 Hands on training: 1 (Trainers: J. Sanjay, Jayashree Revadekar, Rajiv Chaturvedi, Milind Mujumdar and Vimal Mishra)

11:00–11:30 Coffee/Tea Break

11:30–13:00 Hands on training: 2 (Trainers: Sanjay Jain, Devaraju, Senthilnathan, Sandip Ingle)

13:00–14:00 Lunch Break

Day 4 afternoon Training session- 2: Presentations by user groups: Summarize the outcomes of the training workshop; discuss and develop strategies for publication

14:00–15:00 Presentation by user groups

15:30–16:00 Coffee / Tea Break

16:00–17:00 Summary and discussion