

Agenda

All timings are in Nepal Standard Time

DAY 1: MONDAY, 7 JUNE 2021

Opening presentations and software installation

Time	Programme	Resource person
10:00–11:30	Addressing problems with the installation of the required software	Saurav Pradhananga, Kabi Raj Khatiwada, and Santosh Nepal, ICIMOD
13:00–14:00	Welcome remarks – Opening remarks Opening remarks Objectives of the training programme Institutional capacity-building approach for regional climate projections Introductions by the participants and their expectations	Mandira S. Shrestha, ICIMOD Ghulam Rasul, ICIMOD Daniel Ryan, Met Office Santosh Nepal, ICIMOD Mandira S. Shrestha, ICIMOD
14:00–14:30	Break	
14:30–17:00	Presentations on the fundamental concepts of climate change science and prediction Climate modelling and approaches to regional and local downscaling Climate change and its impacts in the HKH region	Cathryn Fox, Met Office Arun B. Shrestha and Santosh Nepal, ICIMOD
	Break (20 minutes)	Mandira Singh Shrestha, ICIMOD
	Introduction to CORDEX data sets over South Asia	J Sanjay, IITM–Pune

DAY 2: TUESDAY, 8 JUNE 2021

CORDEX data extraction and management for the analysis

10:00–12:30	Extracting CORDEX data sets for precipitation and temperature Clipping data sets for an area of interest (Koshi River basin) Preparing data sets for visualization	Saurav Pradhananga, Kabi Raj Khatiwada, and Santosh Nepal, ICIMOD
12:30–14:00	Break	
14:00–17:00	Annual climatic patterns of all 17 CORDEX model simulations Discussions about climatic patterns Understanding the present climatology (precipitation and temperature) using APHRODITE data (1976–2005)	Saurav Pradhananga, Kabi Raj Khatiwada, and Santosh Nepal, ICIMOD

DAY 3: WEDNESDAY, 9 JUNE 2021

Selection of representative model simulations from the 17 CORDEX model runs

10:00–12:30	Comparison of CORDEX data sets with APHRODITE reference data sets Calculating the seasonal bias (Step 1)	Saurav Pradhananga, Kabi Raj Khatiwada, and Santosh Nepal, ICIMOD
12:30–14:00	Break	
14:00–17:00	Calculating the annual bias (Step 2) Selecting four representative model simulations for the Koshi basin Calculating the ensemble mean of the four selected model simulations	Saurav Pradhananga, Kabi Raj Khatiwada, and Santosh Nepal, ICIMOD

DAY 4: THURSDAY, 10 JUNE 2021

Visualization of future scenarios based on selected model simulations

Time	Programme	Responsible person
10:00–12:30	Calculating future scenarios of precipitation and temperature	Saurav Pradhananga, Kabi Raj Khatiwada, and Santosh Nepal, ICIMOD
12:30–14:00	Break	
14:00–17:00	Calculating the annual and seasonal change Preparing the maps Q & A, followed by a discussion	Saurav Pradhananga, Kabi Raj Khatiwada, and Santosh Nepal, ICIMOD

DAY 5: FRIDAY, 11 JUNE 2021

Uncertainty analysis

10:00–12:30	Calculating the scatter plot with min-max error bars Understanding the uncertainty in the models Discussing the results Ways forward	Saurav Pradhananga, Kabi Raj Khatiwada and Santosh Nepal, ICIMOD
12:30–13:30	Break	
13:30–17:00	Climate services in Nepal: Current status and future plans Group work by participants Closing session Closing remarks -Joseph Daron, Met Office; Indira Kandel, DHM; Ghulam Rasul, Mandira S. Shrestha, Arun B. Shrestha, and Santosh Nepal, ICIMOD	Indira Kandel, DHM