



Government of Nepal
Ministry of Forests and Environment
Department of Forests and Soil Conservation

Developing Climate Resilient Livelihoods in the Vulnerable Watershed in Nepal

Bi-Weekly Highlights

17-30 March 2024, Issue-15

Name of the Event/Activity: Surface Soil Erosion Mapping using Hydrological Modeling Training

Date and place/venue: 27-30 March, 2024

Organizer: DCRL

Objective: The primary objective of the training was to capacitate the government officials including the LOA partners and stakeholders of soil management on mapping surface soil erosion using Hydrological Modeling.

Participants: In total 12 participants, including 10 male, 2 female, 10 BCT, and 3 Janajati participated in the training. Among these 11 were from Nepal Government and 1 from the project.

Additional Information: The training covered the Hydrological processes in a watershed, Approaches for estimating inflows at a location of interest, Hydrological modeling – introduction, classification/types, general steps, input requirements, Model performance evaluation – calibration & validation, SWAT model – Capabilities, inputs & outputs • Water movement in SWAT, Case Studies with Application of SWAT –Karnali-Mohana Watershed – East Rapti Watershed and Challenges/Considerations in SWAT Applications. The trainees were enthusiastic to learn the new techniques for calculating soil surface erosion and have committed to utilizing this technology in the future.

Contact for further information: Binay Jha, Senior Technical Advisor



Figure 1: Participants and Trainers of Training



Name of the Event/Activity: Consultative meeting on preparation of Watershed Atlas

Date and place/venue: 19 March, 2024

Organizer: DCRL

Objective: The primary objective of the meeting was to discuss and consult with the stakeholders to build the common understanding on watershed atlas development principles and criteria.

Participants: Altogether 19 individuals from the DoFSC, IOE and DCRL participated in the meeting among which 4 were women.

Additional Information: The technical expert from the IOE and DoFSC discussed on the criteria to be set for making the watershed atlas developing the principles. The meeting was held in Karnali hall of DoFSC.

Contact for further information: Binay Jha, Senior Technical Advisor



Figure 2: Participants discussing on the objective