CARE | SOUTH ASIA

RIMES

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Regional Resilience Data and Analytics Service (RDAS) Training

23 Dember 2024, 1PM-4PM (Nepal time)

Aloft Kathmandu Thamel Hotel

Scan this QR, or click here to register to participate the training online

El Nino and Local Climate Analytics

Land Use and Land Cover Change Analytics

Cropping Calendar Suitablity to Observed Climate Analytics

El Nino Predictvie Tool

Temperature Sensitivity Alert System (TempS)

Note and Agenda

CARE Component 1:
Regional Resilience Data and Analytics Service (RDAS) Training

Date: Monday, 23 December 2024
Venue: Aloft Kathmandu Thamel, Nepal, and virtual mode of participation

1. About CARE Component 1

The Climate Adaptation and Resilience (CARE) for South Asia Project is a 5-year initiative, from 2020 to 2025, that aims to contribute to an enabling environment for climate-resilient policies and investments in the region. CARE for South Asia is being co-implemented by the Regional Integrated Multi-Hazard Early Warning System (RIMES) and the Asian Disaster Preparedness Center (ADPC) with support from the World Bank.

CARE Component 1, focused on promoting evidence-based climate-smart decision-making, involves the development of digital tools for climate-informing plans and decisions, including the regional Resilience Data and Analytics Services (RDAS) for South Asia region, and decision-support systems (DSSs)[1] for selected sectors of agriculture, disaster management, livestock, planning, transport, and water in Bangladesh, Nepal, and Pakistan.

Component 1 also includes capacity development of sectoral stakeholders to use these systems and their products, and supports the implementation of the South Asia Hydromet Forum (SAHF)[2], for a holistic approach at user-centric generation and application of climate information in plans and decisions. The SAHF is a convergence of National Meteorological and Hydrological Services (NMHSs) for sharing of knowledge, building capacity, and aligning national-level technical assistance with regional engagement.

In Nepal, CARE Component 1 is focused on the development of climate-informed DSSs, viz.:

a) Multi-Hazard Early Warning DSS (Satark) of the National Disaster Risk Reduction and Management Authority (NDRRMA)
b) Climate-Resilient Road Operations and Infrastructures DSS (NAVIGATE) of the Department of Roads (DoR)

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[1] *DSSs are sector-specific systems, linked to the RDAS, and for assisting users in sectoral planning and decision-making.*

[2] *SAHF is a convergence of NMHSs in South Asia for sharing knowledge, building capacity, and aligning national level technical assistance with regional engagement.*

c) Climate-Resilient Agriculture DSS (ADVISE) of the Ministry of Agriculture and Livestock Development (MoALD)

CARE Component 1 in Nepal also includes capacity building of the above partner government institutions and their allied/attached offices/stakeholders in using the RDAS and the afore-mentioned DSSs and their data/information products. CARE Component 1 further contributes to the capacity building of the Department of Hydrology and Meteorology (DHM).

2. Objectives and Expected Outcomes of RDAS training

The Regional Resilience Data and Analytics Service (RDAS) is developed by CARE Component 1, to promote evidence-based climate-smart decision-making in the South Asia region. This experimentally operational system includes features for accessing/using climate and sectoral datasets and analytics, and predictive tools that are in the full development phase. As of date, more than 214 climate-related and sectoral datasets are integrated, and various RDAS analytics tools are experimentally operational. For self-exploration, the modules in RDAS can be accessed via https://rdas.rimes.int/.

Part of the series of RDAS trainings, conducted by RDAS experts and developers, this interactive RDAS training for Nepal will be focusing on the utilization of updated/enhanced RDAS analytics tools (i.e. El Nino and Local Climate Analytics, Land Use and Land Cover Change Analytics, and Cropping Calendar Suitability to Observed Climate Analytics), and predictive tools (i.e. El Nino Predictive Tool and Temperature Sensitivity Alert System [TempS]), specifically in the context of Nepal, and other South Asian countries.

The objectives of the RDAS training are:

- providing updates on the status of the RDAS modules;
- capacitate RDAS users to access and test/utilize the various modules and data/information products of RDAS; and
- obtain feedback and recommendations for onward refinement/full development of RDAS modules.

3. Agenda

Regional Resilience Data and Analytics Service (RDAS) Training 23 December 2024 | 01:00 PM – 4:00 PM (Nepal Time, GMT+5:45)	
01:00 PM – 01:10 PM	Acknowledgment of Participants
01:10 PM – 01:30 PM	Overview of the Training and Recap of System Development Progress and User Engagement *By Ms. Ruby Rose Policarpio, Project Director, CARE Component, RIMES*

01:30 PM – 03:00 PM	Walkthrough of enhanced RDAS Analytics Tools and and Hands-on Exercise of the Tools for Enhancing RDAS Analytics: Expert Working Groups Session • El Nino and Local Climate Analytics • El Nino Predictive Tool • Cropping Calendar Suitability to Observed Climate Analytics • Land Use and Land Cover Change Analytics • Temperature Sensitivity Alert System (TempS) *By RDAS Developers and Experts*
03:00 PM – 03:20 PM	Feedback and Recommendations Sharing *By Participants*
03:20 PM – 03:30 PM	Synthesis and Way Forward on RDAS full development, and Vote of Thanks
03:30 PM – 4:00 PM	Refreshment