

Online Training on Water Accounting Plus (WA+)

2nd and 3rd December 2025

Overview

Many regions face persistent challenges in water management due to unreliable or scarce data, creating uncertainties in water availability, inefficient allocation, and planning difficulties. These unresolved questions — including precise water availability and loss points — particularly hinder solutions in data-scarce regions. The adoption of tools like Water Accounting Plus (WA+) offers an approach that uses remote sensing combined with innovative frameworks to fill critical data gaps, enabling local professionals to generate actionable insights even when conventional data is lacking. This supports better decision-making, increased transparency, and sustainable management of long-standing water challenges

This two-day training program introduces participants to the WA+ framework and its practical applications through Rapid WA+ methods. The course combines theoretical foundations with hands-on sessions in data processing, modeling, and interpretation of key indicators related to water availability, allocation, and sustainability. The aim of this training is to provide participants with a comprehensive understanding of water accounting assessments and the ability to conduct water accounting analyses using the WA+ framework. Participants will learn to analyze water balance components, differentiate between consumptive and non-consumptive water uses, and apply these insights to support sustainable water resource management practices.

Training Schedule:

The training will be conducted online for a total of 8 hours over a period of two days (4 hours per day). The next table provides more information about the content of the sessions.

DAY 1	Introduction to WA+ (Fundamental Concepts)	Duration
Session I	Introductions and Agenda Introduction to Water Accounting + Framework, land cover/use, water balance	1 hour
Break (10 mins)		
Session II	WA + Fundamental Concepts - I (ET, Energy balance, Consumptive vs. non-consumptive and E, I, & T) Exercise: Separation of ET into E, I, T	45 mins
Break (10 mins)		
Session III	WA + Fundamental Concepts - II (Beneficial vs. non-beneficial, Budyko, Incremental, Blue and Green ET) Exercise: Separation of ET into blue and green components	45 mins
Break (10 mins)		
Session IV	Introduction to the Rapid WA+ Data sources, download, and preprocessing	1 hour
DAY 2	Rapid WA+ : Analysis, Synthesis, and interpretation	Duration
Session I	Rapid WA - Data preprocessing, soil moisture balance modeling, generating resource base sheet Theory and model run	1 hour
Break (10 mins)		
Session II	Rapid WA – Examining the outputs, interpretation of indicators	45 mins
Break (10 mins)		
Session III	Rapid WA – Applications (water availability, allocation, sustainable interventions, climate impact, etc.)	45 mins
Break (10 mins)		
Session IV	Discussion and Wrap-up Closing remarks	1 hour