





Assessment of the Hydrometeorological Value Chain in Costa Rica



Objective

Establishing a strategy to strengthen the capacities of Costa Rica's main producers of hydrometeorological products and services at the national level.

Methodology



- Mapping of relevant institutions
- Development of tailored matrices to assess institutions
- Evaluation of the institutions and analysis of the information
- Verification
- Development of a Roadmap

Identified Lines of Action



- Actions to design and implement a national meteorological network
- Actions to design and implement a national hydrological network
- Actions to strengthen Costa Rica's National Council for Hydrology and Meteorology (CONAHyME)

The assessment led to the creation of a Roadmap, aimed at: (1) integrating a national hydrometeorological observation network, (2) enhancing the capacities of hydrological services provision, and (3) strengthening CONAHyME.

Key Findings and Recommendations

Several activities are proposed to guarantee the operations of the National Meteorological Institute (IMN), the Hydrology component of the Costa Rican Electricity Institute (ICE) and CONAHyME, taking into account their roles and responsibilities within the law and additional national commitments. In particular, some of the recommended actions are:

Short-Term

- Sign cooperation agreements with identified national institutions to share hydrometeorological data and information
- Set up of a Basic Hydrometeorological Network
- · Perform legal and technical assessments

Mid-Term

- Set up a National Hydrometeorological Database
- Establish an Observatory for hydrological variability, including flood and drought
- Strengthen sub-seasonal to seasonal hydrological prediction
- Reinforce the Hydrometeorological Network
- Advocate at political level

Long-Term

- Refine sector-specific products and services
- Integrate a full National Hydrometeorological Network
- Ensure capacity development and enhancing of the workforce

The Inter-American Development Bank (IDB) and the World Meteorological Organization (WMO) are working together on identifying mechanisms to implement the Roadmap in the country, taking into account a regional approach.