Agrometeorological Activities in Bhutan

Bhutan's agrometeorological service system, which began in 2019, is still in its early stages but has made significant strides in the right direction. Managed jointly by the **National Centre for Hydrology & Meteorology (NCHM)** and the **Department of Agriculture (DOA)**, the system relies on weather observation data and forecasts provided by NCHM. Despite facing challenges, such as limited workforce and insufficient data, Bhutan is laying the groundwork for a robust agrometeorological system. Various key agencies, including the **Agriculture Research & Development Centre**, **National Plant Protection Centre**, and others, are collaborating to build a more effective service. The **Agriculture Decision Support System (ADSS)**, developed by **RIMES**, is being piloted to generate and disseminate agrometeorological advisories, though further validation and expansion are needed for wider community use. The system has shown potential, especially through machine learning, but it is clear that more weather observatories, data improvement, and capacity-building efforts are essential for its success. With support from the **Green Climate Fund (GCF)** and the **World Bank**, Bhutan is actively advancing its agromet services, with a clear roadmap now in place for strengthening these services to benefit the farming community across the country.

Manned Class A Station in Bhutan

Inspection of Automatic Weather Station

advisory g...
district