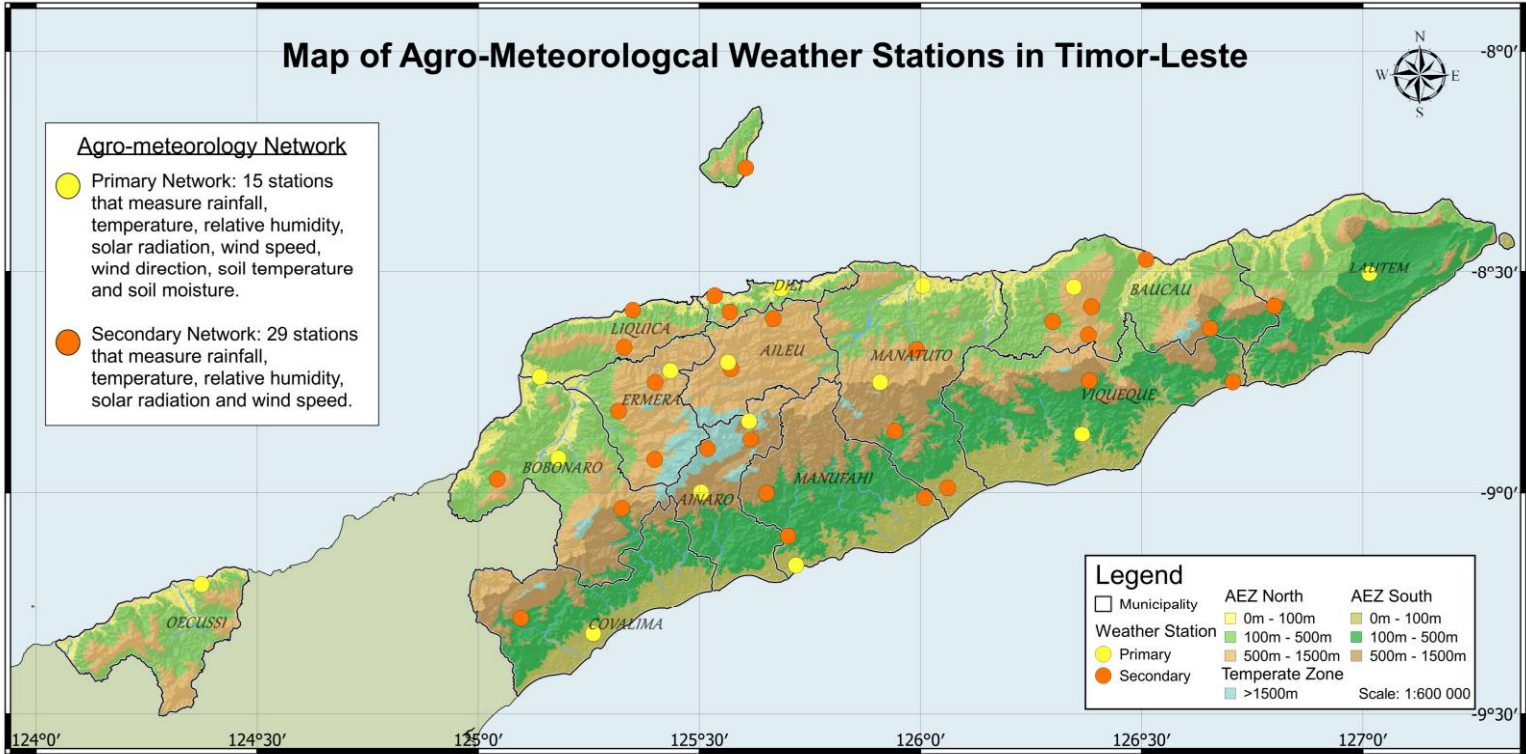


Authors: Samuel Bacon, José Quintão Amaral Gonçalves, Florindo Morais Neto and Isabel Soares Pereira

ALGIS Agro-meteorology measures weather at 44 weather stations across all Agro-Ecological Zones (AEZs) in Timor-Leste. The stations sample climatic conditions such as rainfall, temperature and solar radiation every 3 minutes and record the data every 15 minutes. The data is collected on-site or sent through telecommunication systems to an internet server.

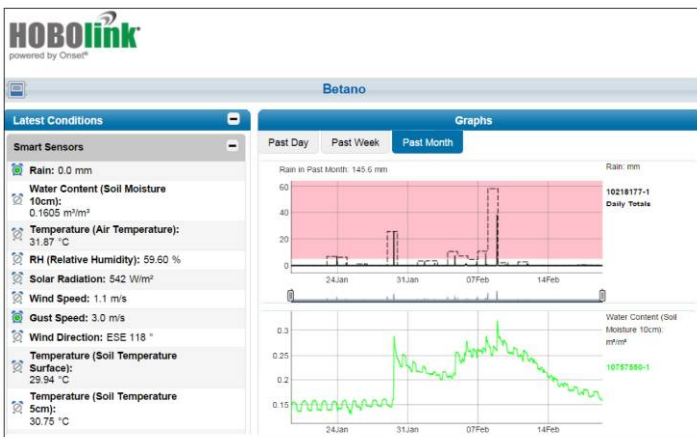


Weather Data Applications

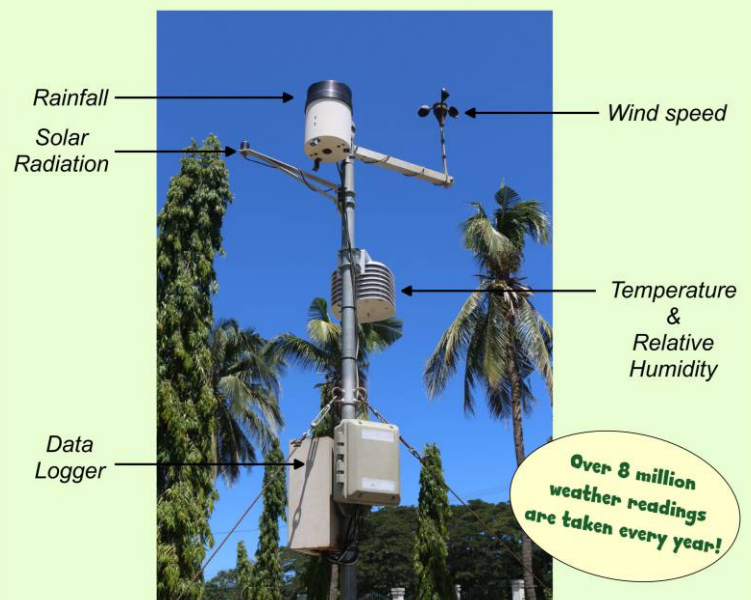
Long term weather data records are used for crop research and improving resilience to climate extremes such as flooding, drought and high winds. Weather data is fundamental in designing infrastructure such as storm water drains, buildings and bridges.

Other applications include disaster risk management. Primary Network stations are equipped with systems that transfer the data to the Hobolink interface on the internet (shown below). Alarm systems are set to notify the Government of extreme weather events.

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Weather Station



This is a Hobo Standard Weather Station located in Comoro in the Ministry of Agriculture and Fisheries compound and is used to test and calibrate equipment. Daily maintenance is not required as all sensors work automatically. ALGIS also operate other types of stations such as the solar powered CIMEL 420 and several manual weather stations.