

The **Philippine Groundwater Outlook (PhiGO)** is a three-year collaborative project led by Andrew Barkwith, Ph.D. from the British Geological Survey (BGS) and Ma. Aileen Leah G. Guzman, Ph.D. from the Ateneo de Manila University (AdMU). This project is funded by the PH-UK Newton Agham Joint S&T Cooperation Program on Understanding the Impacts of Hydrometeorological Hazards in the Philippines.

PROJECT OBJECTIVE

To deliver **constant, accessible, and transferrable assessments** of climate and population change on regional groundwater resources and **their subsequent influence** on flood, drought-risk, and socio-economics

Through the course of three years, the project will develop:

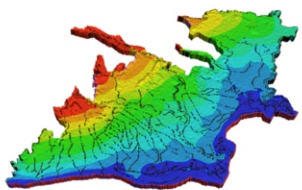
- ✓ near-real-time groundwater monitoring systems
- ✓ enhanced models of regional groundwater dynamics
- ✓ seasonal and long-term forecasts of groundwater levels
- ✓ stakeholder-focused reports of flood and drought risk, and cascading hydrological and socio-economic impacts

STUDY SITES

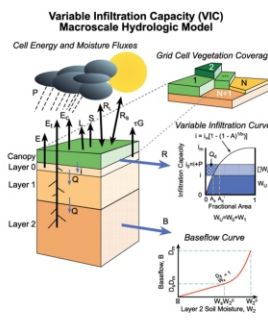


TARGET OUTPUTS

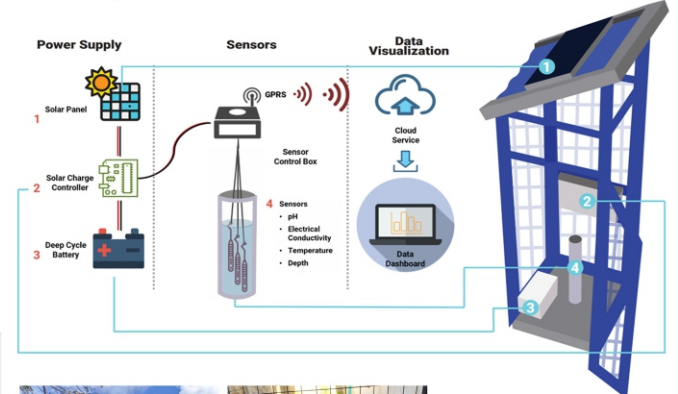
MODELS AND GRAPHS



(top) Iloilo MODFLOW model
(right) VIC recharge model



GROUNDWATER MONITORING SYSTEM



Static Water Level graphical plot taken from admuwater.com
(L): A site in Pampanga; (R): A site in Iloilo City



Two ways of measuring water depth:
(L) Pressure Sensor
(R) LiDAR
[view in detail here]

STAKEHOLDER ENGAGEMENTS



Workshops and trainings for capacity building were conducted and attended by project partners and shareholders.
[view entire gallery here]

The Local Government Unit (LGU) of Oton, Iloilo actively assisting in rehabilitating the wells.

