



## URDANETA CITY UNIVERSITY EMPOWERS LGUS IN CLIMATE CHANGE EARLY WARNING AND MONITORING

Urdaneta City University (UCU) continues to take meaningful steps toward environmental resilience through its initiative to inform and support local and regional governments in strengthening climate change, disaster risk reduction, early warning, and monitoring systems.

Recognizing that the Philippines is among the countries most vulnerable to climate-related disasters, UCU is working hand in hand with Local Government Units (LGUs) to build proactive, data-driven, and community-centered systems that can help save lives and protect livelihoods.

### Key Highlights of the Initiative:

**Community-Based Monitoring Networks** – UCU assists barangays in setting up low-cost rain and river gauges to collect real-time local data for early detection of floods and heavy rainfall.

**Training and Capacity Building** – The University conducts workshops for LGU and barangay disaster officers on data interpretation, emergency response, and communication protocols.

**GIS Mapping and Data Integration** – UCU students and researchers help develop digital maps that combine local hazard data and real-time monitoring for quick decision-making.

**Inclusive Communication Systems** – The project ensures that early warnings reach vulnerable sectors such as the elderly, persons with disabilities, women, and children through localized and accessible messages.

Through this initiative, UCU bridges academic expertise with on-the-ground action, enabling LGUs to respond faster and more effectively to natural hazards such as floods, storms, and landslides.

The program also supports the United Nations Sustainable Development Goals (SDGs) — particularly SDG 13: Climate Action and SDG 11: Sustainable Cities and Communities — by promoting science-based planning, community participation, and proactive risk management.

UCU calls on local partners to join in building a safer and more resilient future for all.

By combining local knowledge with research and innovation, Urdaneta City University continues to prove that academic institutions can play a vital role in protecting communities from the growing threats of climate change.

13 CLIMATE ACTION



MAKE SDG#13 A REALITY