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Strengthening Climate Resilience in Honduras:

KMI's Meteorological Solutions and Collaboration with the World Bank

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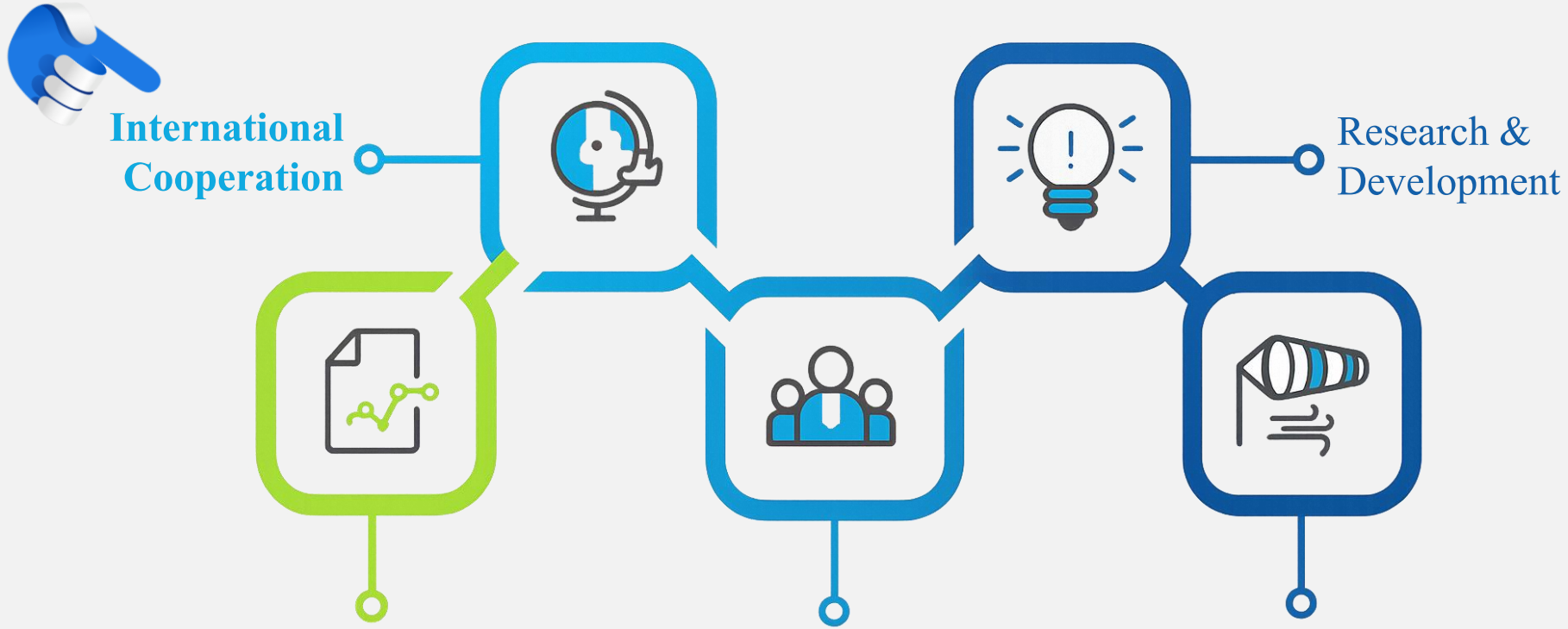
KMI Overview

1. KMI Overview

Areas of Work



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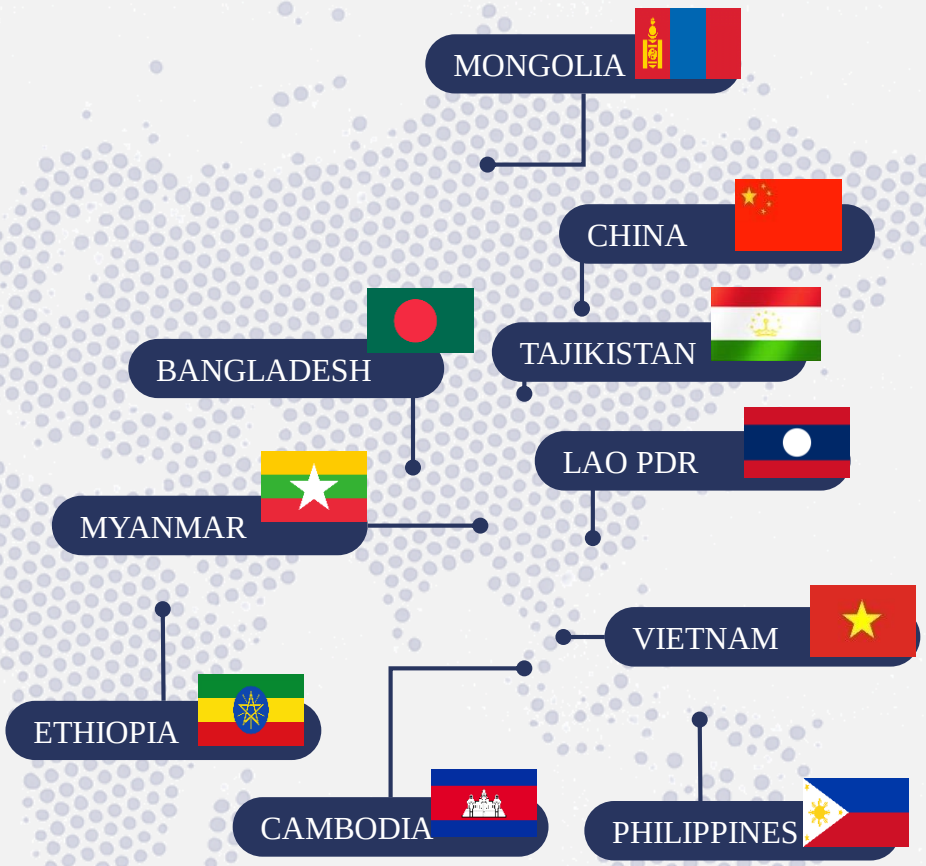
International Cooperation

2-1. Int'l Cooperation Projects

ODA Projects: 2014~



Country	Period	Technology / System
Tajikistan	'26~'28	Meteorological Disaster Monitoring System
Lao PDR	'25~'28	Numerical Weather Prediction Model
Lao PDR	'24~'27	Early Warning System
Mongolia	'22~'25	Integrated Weather Observation Data Management System
Philippines	'22~'25	Typhoon Monitoring and Forecasting System
Lao PDR	'20~'23	Typhoon Monitoring and Forecasting Integrated System
Cambodia	'20~'23	GEO-KOMPSAT Receiving and Analysis System
Cambodia	'19~'22	Automatic Weather Observation System
Bangladesh	'19~'21	GEO-KOMPSAT Receiving and Analysis System
Mongolia	'17~'19	Automatic Weather Observation System
Myanmar	'17~'19	Forecasting and Warning System
Myanmar	'15~'16	Establishment of Master Plan
China	'15~'18	Observation Network of Sand Dust Storm/Particulate matter
Vietnam	'14~'16	Forecasting and Warning System
Ethiopia	'14~'18	Meteorological Observation and Early Warning System

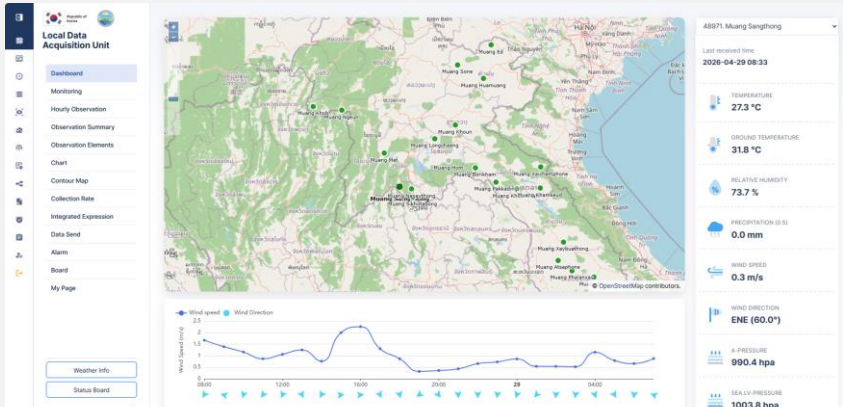
2-2. Observation & Integrated Monitoring System

Automatic Weather Station (AWS)

Automated system that observes meteorological parameters
and enables real-time data acquisition and transmission

Project Scope

- Installation of Automatic Weather Stations & Upper-Air Observation System
- Implementation of an integrated monitoring system to collect and process meteorological observation data
- Establishment of Integrated Disaster Response Systems including Early Warning Services
- Deployment of Expert and Capacity Building (Invitational / Local Training)
- Technical Consultation



Partner countries

Ethiopia, Cambodia, Mongolia, Tajikistan

2-3. Reception and Analysis System for the GK-2A Satellite

GK-2A (Geo-KOMPSAT-2A)

| A geostationary satellite, equipped with 16 channels and designed to have a lifespan of 10 years

| Meteorological and space weather observation

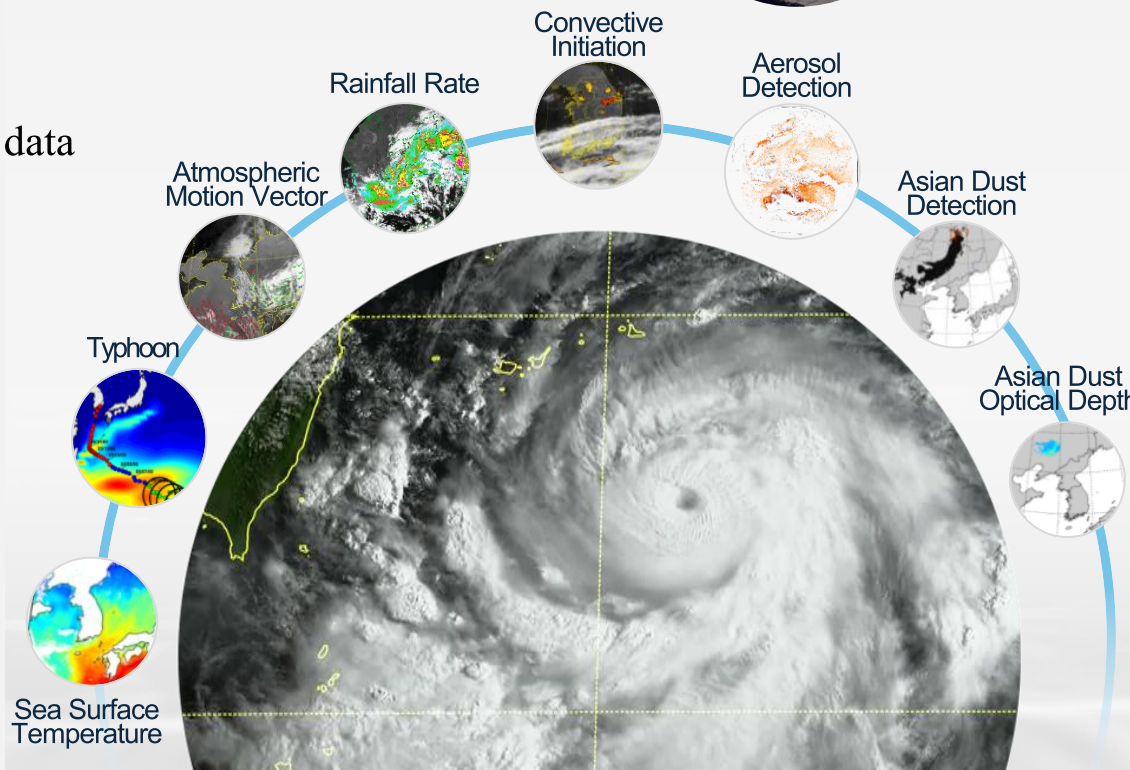
GK2A
(Dec. 2018~)

Project Scope

| Establishment of a reception and processing system for GK-2A satellite data

| Implementation of capacity-building programs,

including system utilization training, and expert deployment



Partner countries

Bangladesh, Cambodia

2-4. Integrated Platform for Typhoon Monitoring and Forecasting

TOS (Typhoon Operation System)

An integrated platform that supports the entire operational cycle of typhoon management

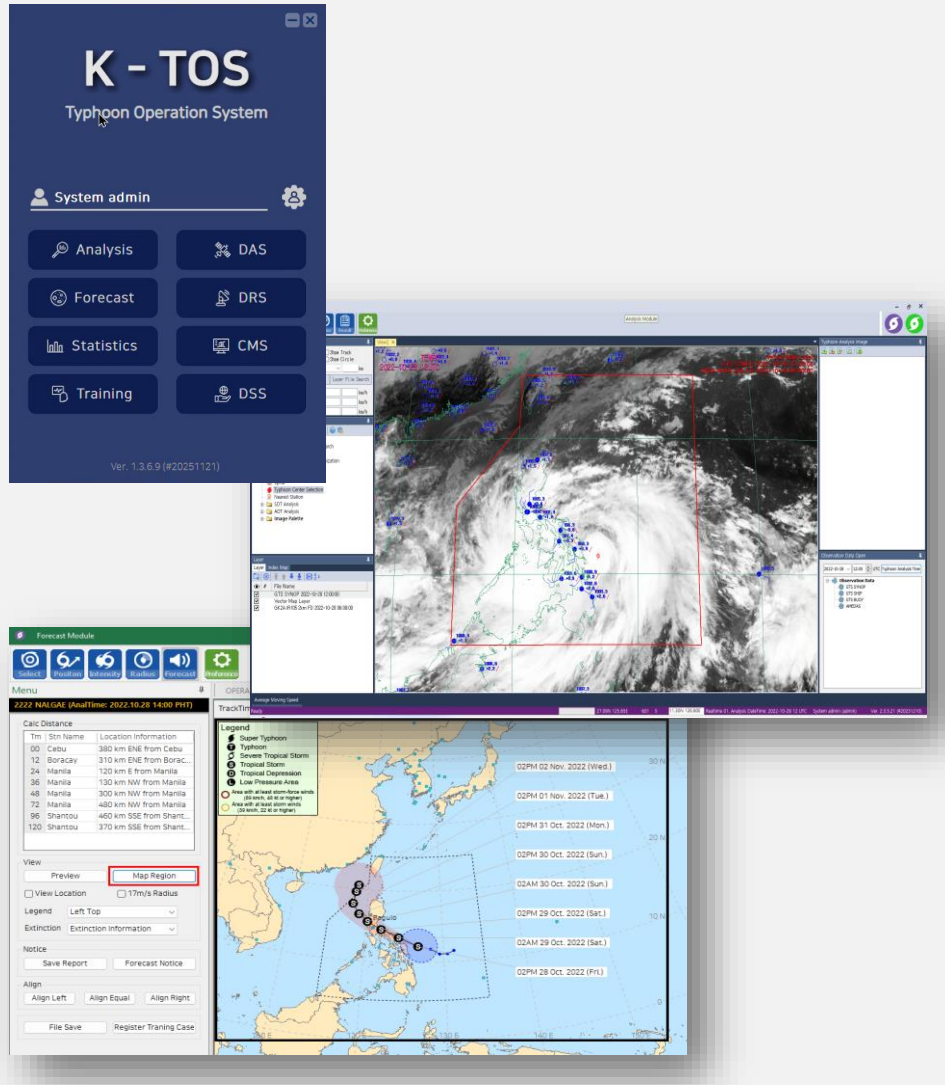
Project Scope

| Establishment of an integrated platform combining the GK-2A reception & analysis system and Typhoon Operation System (TOS)

| Training programs on TOS system utilization both in-country and in Korea

Partner countries

Lao PDR, Philippines



2-5. Capacity Building

Training Program

| Operating meteorological systems(AWS, EWS, GK-2A, TOS, NWP, etc.)

| AWS Maintenance and Performance examination

Project Scope

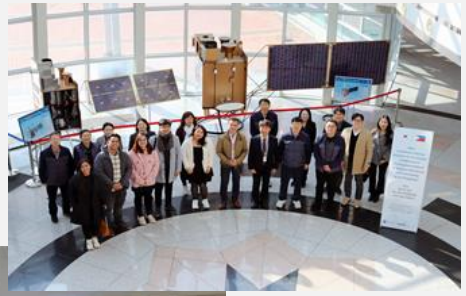
| Theoretical and hands-on training

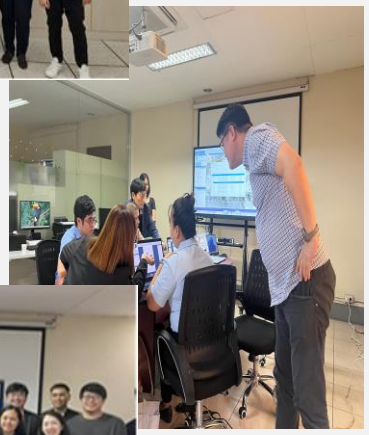
| On-site training and invitational training in Korea

| Development of Action Plan based on diagnosed issues and application to on-site operations

Partner countries

All partner countries





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Cooperation with Honduras

3. Feasibility Study for the installation of AWS

Project Title

Feasibility Study for the installation of AWS to strengthen climate resilience in Honduras
(Innovation for Rural Competitiveness Project - COMRURAL III)

Project Period

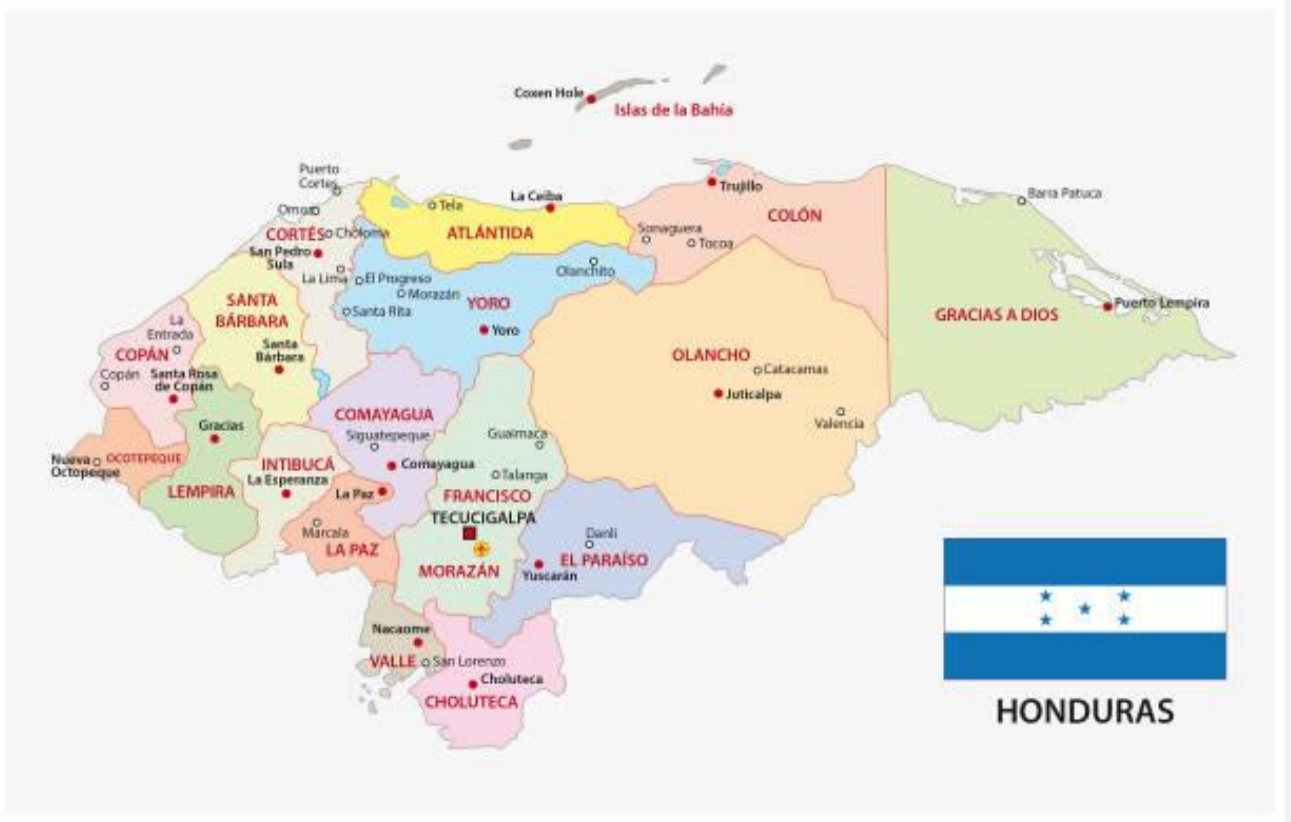
March 31-November 15, 2026

Partner Organization

Honduras/Secretaría de Agricultura y Ganadería (SAG)

Project Scope

- AWS site selection (including Olancho, El Paraiso)
- Technical design of AWS systems
- Operation & maintenance strategy
- Roadmap for AWS network expansion



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