# ABOUT KMI

KMI, a public institution under the Korea Meteorological Administration(KMA), was established to promote the meteorological industry and support the dissemination and utilization of weather information. KMI is leading the innovative growth of the meteorological industry by supporting R&D, startup incubation, technology commercialization, and entry into the global market. It is also our duty to manage the national observation network and distribute weather information to the private sector in Korea. In addition, we contribute to the climate change response by developing and implementing meteorological modernization projects in developing countries.

#### R&D



- Meteorological observation, forecasting, climate, and seismic technology
  Climate change monitoring and forecasting technology
- Impact based forecasting technology for natural disaster
- Weather service development for smart city

#### MANAGEMENT FOR THE NATIONAL OBSERVATION NETWORK



- Support for the operation and maintenance of the national observation network
  Meteorological instrument verification
- International standardization of observation technology

### **METEOROLOGICAL INDUSTRY PROMOTION**



Start-up incubation and growth support for SMEs
Weather information dissemination and utilization in business

### **INTERNATIONAL COOPERATION**



- Bilateral cooperation with NMHSs\*
   \* National Meteorological and Hydrological Services
   Developing and implementing Official Development Assistance(ODA) projects
- International meteorological training program

# HISTORY



Renamed As "KOREA METEOROLOGICAL INSTITUTE"

Designated As a Public Institution





Designated As a Special Agency for Meteorological Instrument Maintenance

By The Korean Government

2006



Established As a Meteorological Information Support Agency

Designated As a Special Agency

for Meteorological Calibration







## **KMI'S CONTRIBUTION TO DEVELOPING COUNTRIES**

TOTAL AID AMOUNT : USD 20.69M (2014-2020)



## KMI SUPPORTS MODERNIZATION OF NATIONAL METEOROLOGICAL SYSTEM IN VARIOUS SECTORS



## CAPACITY BUILDING FOR DEVELOPING COUNTRIES

STAFF MEMBERS COMPLETED TRAINING PROGRAM BY KMI

# INTERNATIONAL PROJECTS

KMI contributes to the response in climate change and extreme weather events in developing countries by implementing meteorological modernization projects.

- Modernization of Forecasting and Warning System for Natural Disaster in Vietnam (KMA / '14~'16)
- Improving Operation Capacity for Observation Network of Sand and Dust Storm/Particulate Matter in China (KOICA / '15~'18)
- The Mater Plan for the Advancement of National Meteorological System in Myanmar (KMA / '15~'16)
- Modernization of Forecasting and Warning System for Natural Disaster in Myanmar (KMA / '17-'19)
- Installation of the Automated Weather Observation System for Forecasting and Warning of Natural Disaster in Mongolia(KMA / '17~'19)
- Installation of the Automated Weather Observation System for Forecasting and Warning of Natural Disaster in Cambodia(KMA / '19~'22)
- Support of the GEO-COMPSAT Receiving and Analysis System in Bangladesh (KMA / '19~'21)
- Installation of Typhoon Monitoring and Forecasting Integrated Platform in Laos [KMA / '20~'23]
- Support of the GEO-COMPSAT Receiving and Analysis System in Cambodia (KMA / '20~'23)
- Disaster Risk Reduction through Installation of Meteorological Observation and Early Warning System in Ethiopia(KOICA / '14~'18)



# GLOBAL TRAINING PROGRAM

KMI has been providing meteorological expert training for 290 staff members from national meteorological services. It will continue to gradually expand gradually.

#### INTERNATIONAL METEOROLOGICAL EXPERT TRAINING PROGRAM

COUNTRY	CURRICULUM	PERIOD
PHILIPPINES	Post-processing of Numerical Weather Prediction (NWP) Outputs	2016~2018
	Quality Control Techniques and Data Assimilation for Numerical Weather Prediction	2019
WMO DEVELOPING COUNTRIES	Weather Radar Data Utilization	2016~2018
	Weather Forecasting	
QATAR	Meteorological Instruments Verification & Calibration	2017
VIETNAM	Improving the Knowledge and Skills of Operating High-performance Computing System and Numerical Weather Prediction	2019

