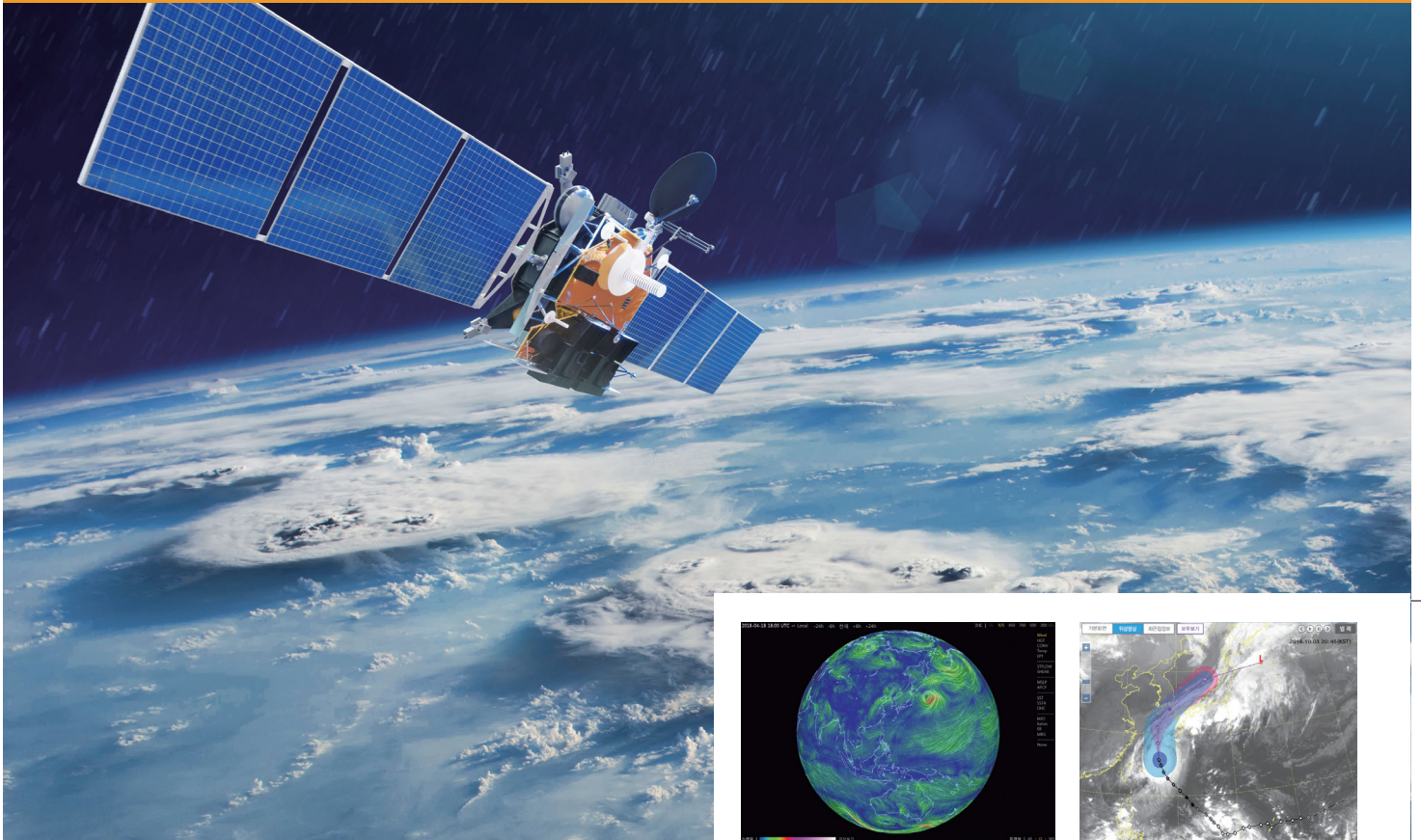


Implementation of Integrated Typhoon Monitoring and Forecasting Platform



Project Description

Project overview: Implementation of the Typhoon Operation System (TOS) and the receiving/monitoring system of the GEO-KOMPSAT-2A with the aim of enhancing forecast and monitoring of typhoons, which cause the largest meteorological disasters

Project features: Support of capacity building of the recipient country in responding to meteorological disasters by supplying the typhoon monitoring and forecasting system developed by the Korea Meteorological Administration and the system capable of receiving and analyzing satellite image data of the No.2 weather satellite (GEO-KOMPSAT-2A), which was successfully launched with Korea's own technology in December 2018 and is currently in operation

Project plan

1st year

- Preliminary investigation, project design, education/training, etc

2nd year

- Implementation of the Typhoon Operation System (TOS), education/ training, etc.

3rd year

- Implementation of the GEO-KOMPSAT-2A's receiving/analysis system, education/ training, etc

4th year

- Dispatch of experts, education/training, project evaluation, etc



Purpose

Supporting weather infrastructure and transferring technologies necessary for reducing damages incurred by major meteorological disasters—such as typhoon and heavy rainfall—that are caused by climate change



Estimated Project Duration

4 years



Estimated Budget (Total Operating Expenses)

Approximately USD 3.0 million (grants)



Recipient Country Contribution

Cooperating with project implementation (exemption from customs duties on equipment, customs clearance of equipment, support for administrative procedures, etc.)

Providing office space as well as land for the installation of system and equipment, and securing communications facilities

Assuming operational responsibilities such as securing the personnel as well as budget for maintenance and repair after the establishment of the system



Project Manager

Korea Meteorological Administration: International Cooperation Division,
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Support for the Implementation of the GEO-KOMPSAT-2A's Reception/Analysis System



Project Description

Project overview: Establishment of the receiving and analysis system of GEO-KOMPSAT-2A for monitoring of large-scale meteorological disasters

Project features: Support the recipient country's capabilities in responding to meteorological disasters by supplying the system capable of receiving and analyzing satellite image data of the No.2 weather satellite (GEO-KOMPSAT-2A), which was successfully launched with Korea's own technology in December 2018 and is currently in operation

Project plan

1st year

- Preliminary investigation, project design, education and training, etc.

2nd year

- Implementation (H/W) of the GEO-KOMPSAT-2A's receiving/analysis system, education and training, etc.

3rd year

- Implementation (S/W) of the GEO-KOMPSAT-2A's receiving/analysis system, education and training, etc.

4th year

- Dispatch of experts, education/training, project evaluation, etc.



Purpose

Supporting weather infrastructure and transferring technologies necessary for reducing damages incurred by major meteorological disasters—such as typhoon and heavy rainfall—that are caused by climate change



Estimated Project Duration

4 years



Estimated Budget (Total Operating Expenses)

Approximately 2.5 million (grants)



Existing Project Performance Data

This is a new project.



Note

N/A



Recipient Country Contribution

Cooperating with project implementation (exemption from customs duties on equipment, customs clearance of equipment, support for administrative procedures, etc.)

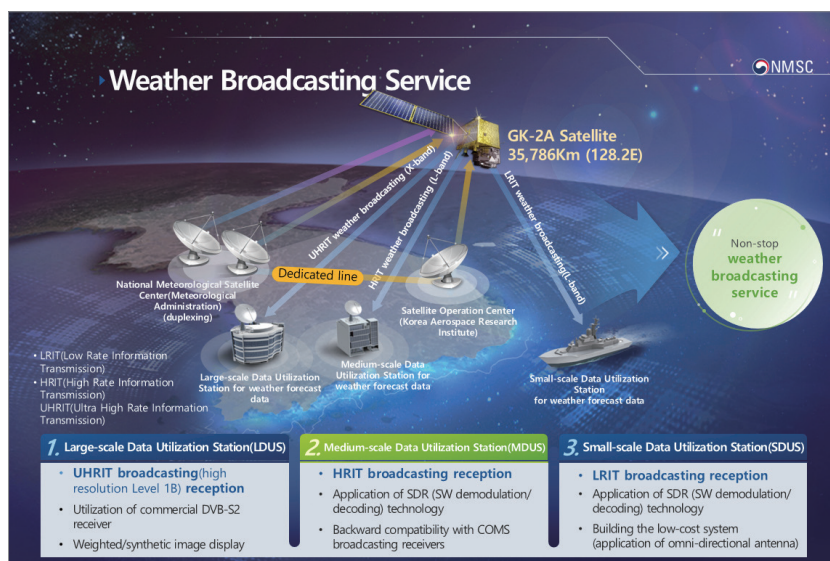
Providing office space as well as land for the installation of system and equipment, and securing communications facilities

Assuming operational responsibilities such as securing the personnel as well as budget for maintenance and repair after the establishment of the system



Project Manager

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Implementation of Automatic Meteorological Observation System



Project Description

Project overview: Implementation of an automatic weather observation system in blind areas, collection of observation data, and implementation of a monitoring system

Project features: Support the modernization of weather observation services in the recipient country through the automatic weather observation equipment, which was developed by Korea's own technologies

Project plan

1st year

- Preliminary investigation, project design, education and training, etc.

2nd year

- Implementation of the automatic weather observation system, education/training, etc.

3rd year

- Implementation of the system for gathering and analyzing weather observation data, education/training, etc.

4th year

- Dispatch of experts, education/training, project evaluation, etc.





Purpose

Supporting weather infrastructure and transferring technologies necessary for reducing damages incurred by major meteorological disasters—such as typhoon and heavy rainfall—that are caused by climate change



Estimated Project Duration

4 years



Estimated Budget (Total Operating Expenses)

Approximately 2.9 million (grants)



Existing Project Performance Data

We have successfully completed projects supporting weather observation modernization, and our systems are currently in use.

- Vietnam (2014-2016), Myanmar (2017-2019), and Mongolia (2017-2019)
- Installed automated weather systems, collected observation data, implemented monitoring systems, and engaged in capacity building (invitational training, local workshop, dispatch of experts, etc.)



Recipient Country Contribution

Cooperating with project implementation (exemption from customs duties on equipment, customs clearance of equipment, support for administrative procedures, etc.)

Providing office space as well as land for the installation of system and equipment, and securing communications facilities

Assuming operational responsibilities such as securing the personnel as well as budget for maintenance and repair after the establishment of the system



Project Manager

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