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KMA's Current Activities on GK2A and Future Satellite Program

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The National Meteorological Satellite Center (NMSC) of the KMA has been operating the 2nd Korean meteorological satellite, the Geo-KOMPSAT-2A (GK2A) since July of 2019. And its various geophysical products have been utilized for short-range forecast, Numerical Weather Prediction (NWP) data assimilation and climate monitoring research and so on for KMA and other users. The GK2A data and images are available through various ways such as NMSC webpage, Open API, real-time FTP service and satellite broadcast.

The KMA is planning with mission analysis and feasibility phase for the GK2A follow-on satellite targeted to be launched on the first quarter of 2031. It will have an upgraded imager and space weather instruments. For the future, the KMA GEO satellite program will continue based on CGMS baseline and WMO Integrated Global Observing System (WIGOS) vision 2040. The KMA's long-term satellite development plan will be introduced the multi-GEO program i.e. the hyperspectral IR sounder onboard geostationary satellite parallel with GEO imager.