

Planned Contributions by JAXA

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Planned Contributions

- GCOM-W1,2,3 and C1,2,3: 13-yr sustained observation to contribute climate data record to new knowledge on climate system and practical applications.
- GPM: Sustained and consistent precipitation data record from 15yrs TRMM to GPM, and improvement of retrieval accuracy of microwave radiometers by DPR.
- EarthCARE: Cloud-Aerosol-Radiation Interaction and integrated use with GCOM/GPM to reduce uncertainty of prediction by GCMs.
- ALOS, 2, 3: Forest-Biomass, Land cover land use and Sea Ice Mapping.
- GOSAT, 2, 3: Global distribution Mapping of CO₂ and CH₄ in Column Density and Carbon Flux.

Issues forward the Plan

- Sustained observation to produce long-term data sets by cooperation of space technology, meteorological and relevant organizations to the climate issues.
 - Research-Verification-Operation : JAXA/JMA, NASA/NOAA, ESA/EUMETSAT, WCRP/ WMO...
 - Inter-Cal/Val : CEOS-WGCV/CGMS-GSICS...
 - Discussions for wide and open collaboration : AuBoM-CMA-JMA-KMA-ROSHYDROMET...
- Collaboration between development, operational user and science communities.
 - Data, information, knowledge, modeling and forecast
- End to End coordination to develop and operate satellites, sensors, for data producing, analyzing, disseminating common, standard and research products for Sentinel Asia and Satellite Applications for Environment (SAFE) are ongoing.
 - Target provider and user: Science/Technology, Meteorology, Environment, Water, Agriculture, Food, Disaster, Health, Renewable resources ...