Japan Geoscience Union Meeting 2013
(May 19-24 2013 at Makuhari, Chiba, Japan)

U02-23 Room:201B Time:May 20 17:15-17:30

JAXA's space-based earth observation data archives

Toru Fukuda[1*]

[1]Earth Observation Research Center, JAXA

JAXA's earth observation satellites play an important roll in providing essential information for water, food and health security. JAXA operates Greenhouse gas Observing SATellite (GOSAT), Tropical Rainfall Measurement Mission/Precipitation Radar (TRMM/PR), and Global Change Observation Mission-Water 1 (GCOM-W1). These satellites are collecting important information regarding carbon and water cycle. In addition to current ongoing missions, worldwide data users can access quantities of archived data of past missions including high-resolution data of Advanced Land Observing Satellite (ALOS) and water-related products of Advanced Microwave Scanning Radiometer-EOS (AMSR-E). JAXA will launch a series of new generation satellites to observe disaster, earth resources, climate change, water cycle, carbon cycle and global warming, such as ALOS-2/3, GCOM-Climate (C), Global Precipitation Measurement (GPM), Earth Cloud, Aerosol, and Radiation Explorer (EarthCARE) and GOSAT-2. All data obtained by the new satellites will also be archived and distributed. However, it is needed to provide useful information for decision makers and stakeholders in order to contribute to solving global and regional issues. To create such information, integration and fusion of satellite data, in situ data, numerical model outputs, and socio-economic data are essential. JAXA has started close collaboration with various players in various sectors.

Keywords: GCOM, ALOS, GPM, TRMM, GOSAT, EarthCARE