



Satellite Data for Water Cycle Monitoring and Applications

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What is CEOS?



“CEOS is the space arm of GEOSS”

109 missions are flying as of February 2013, providing satellite data to GEOSS

- established in 1984 by G8 Summit
- consists of 30 Members (space agencies) and 23 Associates (user organizations)
- provides international coordination for EO satellite missions and services through Virtual Constellation (VCs) and technical WGs
- provides satellite data gateway (CEOS IDN) <http://idn.ceos.org/> and CEOS Water Portal <http://waterportal.ceos.org/>
- JAXA is one of standing tri-partite secretariats and will be 2015 CEOS Chairman.

CEOS



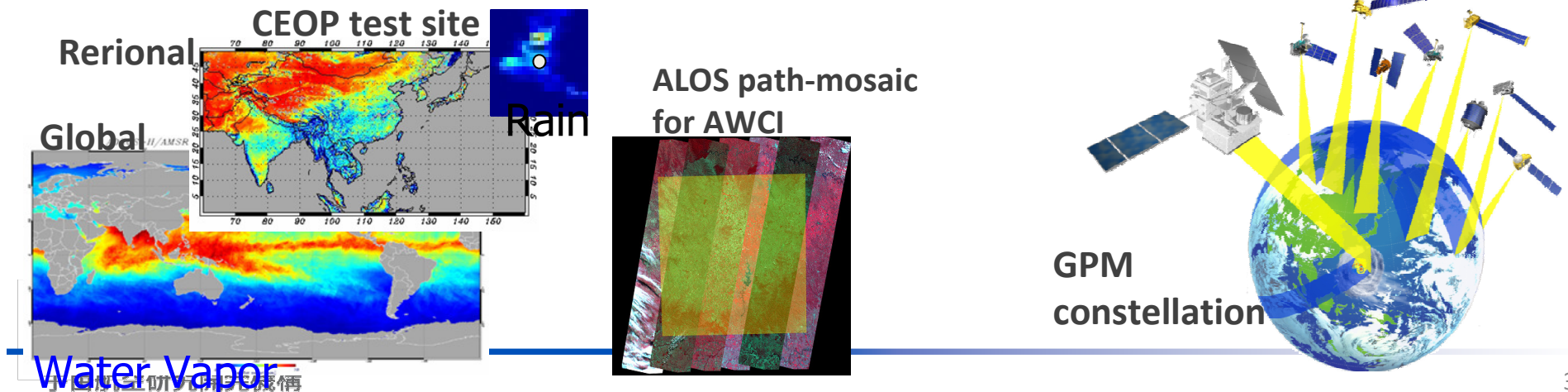
GEOSS



CEOS/JAXA contribution to GEOSS



- **CEOS Water Portal(Ms. Satoko Miura-WGISS Chair)**
 - assists users to discover and locate satellite, in-situ and model output data
 - JAXA has provided more than 5 million scenes of its satellite data
- **Precipitation Vertical Constellation (Dr. Riko Oki-Co-leader)**
 - assists international coordination of GPM constellation satellites
 - study post GPM mission
- **Implementation of GEOSS tasks, including Water SBA tasks**
 - prepared and implementing CEOS response to the GEOSS relevant tasks
- **CEOS response to GEO Water Strategy**
 - to prepare CEOS response to GEO Water Strategy recommendations



Satellite Data Game Changer



- *Satellite observation has been undergoing major changes for last 10 years*
 - Google Earth in 2005
 - GEOS: societal benefit and open and free data policy
 - Landsat data for free
 - Copernicus open and free data policy approved
- *JAXA is changing its data policy and business models*
 - data policy change:
 - Open and free for low/medium resolution environmental satellite data
 - Commercial distribution by private sector for high resolution data
 - business model change
 - Global initiatives with UN organizations
 - Regional sustainable development with JICA and ADB
 - Local services with private sectors and end users

JAXA is looking forward to developing innovative satellite data applications and solution services in cooperation with users.



SDGs