

JAXA Answers to Five Questions from GEWEX (1/2)

- What should be the top priorities for space programs for the energy and water cycles and their coupling to the carbon cycle? (for all agencies)
 - Global monitoring of the Earth environment, process study, and contribution to improvement of climate projection and weather forecast.
 - Observation continuity and development of new technology.
 - Engagement with model community.
- What are your top priorities in Earth science space missions? (for your agency)
 - In response to the Japan's space policy, JAXA's space missions are planned and operated targeting on disaster management, mitigation of global environmental issues (climate system, water cycle, GHG, etc.), and promotion of utilization in industry.
- What are the primary challenges in Earth science space missions?
 - Transition from research to operation
 - Issues of handling/downloading massive data
 - Limited human resources availability in the Earth science and remote sensing in Japan

- What are the major opportunities in Earth science space missions?
 - Development and evolution of new sensor technology (doppler radar/lidar, future GEO microwave, etc.), improvement of spatial resolution of instrument
 - Utilization of new satellite data with advanced data assimilation technology by collaborating with model community
- What are the most important activities GEWEX can organize to help your agency's program planning (e.g., future satellite missions)?
 - Assessment and promotion of satellite dataset and feedback to data providers
 - Providing scientific basis and requirements for future satellite missions
 - Space agencies appreciate support from internationally renowned organizations