



Side Event at the Japan Pavilion on the 6th World Water Forum

Water and disaster management by advanced space technology

Under the situation that water-related disasters such as floods are occurring frequently in recent years, establishment of effective flood early warning and forecasting system are inevitable to decrease damages. In order to issue flood warning and forecasting adequately, it is necessary to install rainfall monitoring network on the whole river basin and to establish flood run-off model. However, due to the lack of budget and human resources especially in the developing countries, such kind of system has not yet been established sufficiently. On the other hand, it has become possible to acquire hourly precipitation data of the world from the satellite monitoring system which has been elaborated by Japan and the other developed countries. By utilizing these data which is available anytime and anywhere of the world, more effective flood warning and forecasting will be possible, that consequently enables decrease of damages on human lives and property due to water-related disasters. In the above perspective, this Side Event introduces the present situation of satellite precipitation monitoring, and presents some development works on flood warning and forecasting by using satellite monitoring precipitation data of GSMaP. After the presentations, the brain-storming session is to be held for effective flood management measure for the future.

Time & Date: 10:30-12:00 Friday, March 16, 2012

**Venue: Event space of Japan Pavilion,
Hall 3, Parc Chanot, Marseille, FRANCE**

**Organizers: JAXA Japan Aerospace Exploration Agency
ICHARM International Centre for Water Hazard and Risk
Management
IDI Infrastructure Development Institute - Japan**



PROGRAM

Master of Ceremony **Dr. Tamotsu IGRASHI, Senior Researcher, JAXA**

10:30-10:50 **KEYNOTE LECTURE**

New Dimensions in Water-Related Disasters and Post-HFA

Prof. Kuniyoshi TAKEUCHI, Director, ICHARM

10:50-11:05 *Overview of Global Satellite Mapping of Precipitation (GSMaP)*

Ms. Misako KACHI, Associate Senior Engineer, JAXA

11:05-11:20 *Early provision of flood information by using precipitation data of GSMaP*

Mr. Tetsuya IKEDA, Director, IDI

11:20-12:00 **Brain-storming by all the participants**

Facilitator: Mr. Kenzo HIROKI, Principal, ICHARM

12:00 **Wrap Up**

- *Light meal and soft drink will be offered after the Side Event.*



CONTACT

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