



# ADRC Highlights

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## ● Participation in International Conferences

### Sentinel Asia Initiative Tsunami Working Session and the 22nd Session of the Asia-Pacific Regional Space Agency Forum (APRSAF-22)

The Asian Disaster Reduction Center (ADRC) participated in this meeting which was co-organized by the Indonesian Ministry of Research, Technology and Higher Education (RISTEK-DIKTI), the Indonesian National Institute of Aeronautics Space (LAPAN), the Japanese Ministry of Education, Culture, Sports, Science and Technology (MEXT), and the Japan Aerospace Exploration Agency (JAXA).

It was held from November 30 to December 4 2015 in Bali, Indonesia and was attended by 453 participants and 10 international organizations, mainly Asia-Pacific regional space agencies, from 30 countries and regions.



#### Meeting Overview

[Day 1] The Sentinel Asia Initiative Tsunami Working Session. After the presentations on “Moving Toward Sentinel Asia Step3 and the Purpose of the Tsunami WG” and “Sentinel Asia’s Contributions to Tsunami Disasters,” opinions were exchanged on the future activities of the WG.

[Days 2-3] Meetings were held by the four working groups: Groups-Space Applications, Space Technology, Space Environment Utilization, and Space Education. ADRC participated in the Space Applications WG, which featured presentations and the exchange of opinions on the following topics:

- Environmental Ocean Monitoring
- Sentinel Asia Session
- Geostationary Satellite Applications
- Agriculture Applications
- Forestry & Water Resources Applications
- Regional Cooperation

[Day 4] Opening remarks, Country Reports, and three Special Sessions on Space and Maritime Applications, Synergies in Space, Regional Cooperation in Space Exploration.

[Day 5] A presentation about Space Cooperation in the Asia-Pacific Region and summary reports by working group.

ADRC gave two presentations at this conference: (1) “The Role of ADRC in Sentinel Asia” at the Space Applications Working Group on Day 2 and (2) an introduction to ADRC and cooperation with disaster management organizations in the Special Session on Synergies in Space on Day 4.

## ●Promoting Cooperation with Affiliated Institutions

### Demonstration of a Push-Type Information Dissemination Device in the Kurihama Neighborhood of Yokosuka City, Kanagawa Prefecture

A trial demonstration related to tsunami evacuation was conducted using the Quasi-Zenith Satellites System (QZSS) in the Kurihama neighborhood of Yokosuka City in Kanagawa Prefecture on 6 December 2015. More than 100 residents participated in this demonstration and around 40 staff members from private enterprises, the central government, universities, and the Yokosuka city government supported this program. The purpose of this demonstration was to examine the effectiveness of the QZSS and related wireless technologies. The role of ADRC was to prepare the demonstration manual and analyze the results.

Participants tried to find suitable evacuation routes using their own best judgment in combination with information provided by the QZSS. Participants mentioned being “able to identify routes using the electronic display, even if I couldn’t hear the voice instructions” and “the volume should have been louder since you’re not really paying attention to a voice when evacuating and talking with other people.” This technology is not yet being utilized in the field, but we would like to continue developing this system into a better disaster management tool.



\*QZSS is a Japanese satellite positioning system. QZS-1, the first QZS, was launched in September 2010. QZSS will become a four-satellite constellation in FY2018, dramatically enhancing the satellite positioning service environment.

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