



JAXA/Earth Observation Program for Water Resource Management

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Japan Aerospace Exploration Agency (JAXA)



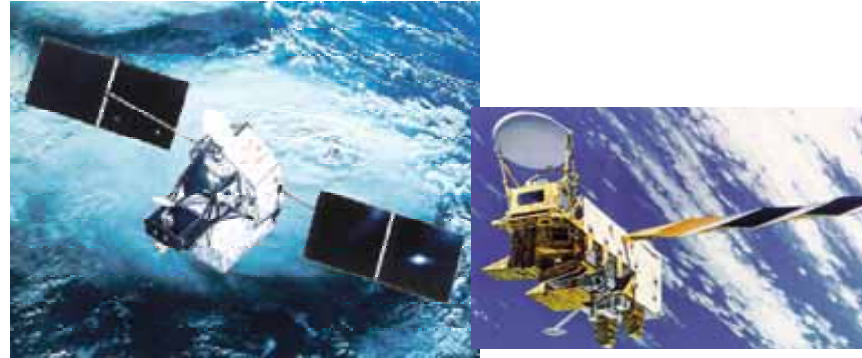
**GEOSS Asia Pacific Outreach Symposium
Tokyo
January 11-12, 2007**



JAXA's Contributions to GEOSS

■ Space-based observations and provision of data

- TRMM (2006.11-present)
- AMSR-E/AQUA (2002.5-present)
- ALOS (2007.1-present)
- GOSAT (target launch in 2008)
- GCOM-W (2011), GCOM-C (2012)
- DPR/GPM (2013)

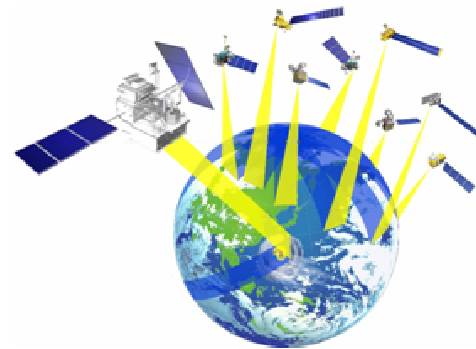


■ Capacity building

- Mini-projects in cooperation with AIT
- ALOS Pilot Projects in Thailand and Indonesia

■ Data and information sharing and dissemination

- Sentinel Asia





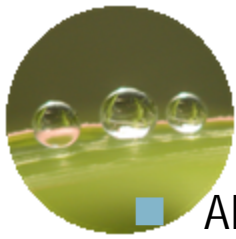
JAXA's Capacity Building Program

- JAXA conducted education and training program on RS and GIS in cooperation with AIT with total 914 participants for 1995-2004.
- Training through mini-project started since 2004 to address real-world issues in various fields, such as flood and landslide. Training provided at AIT and local offices. 10 mini-projects are ongoing for 2006-2007.
- Caravan training with AIT experts visiting Asian countries.



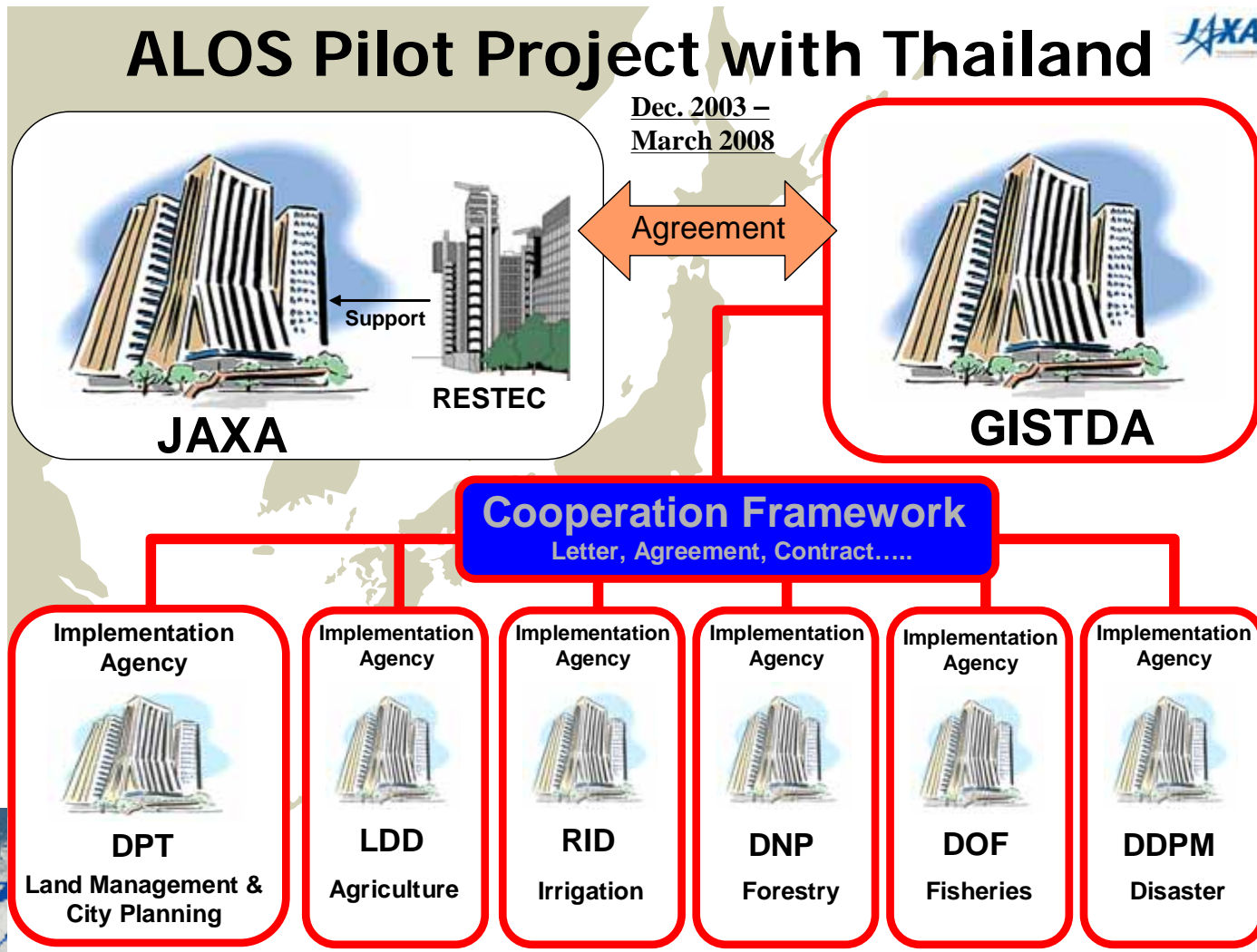
AIT training in the field





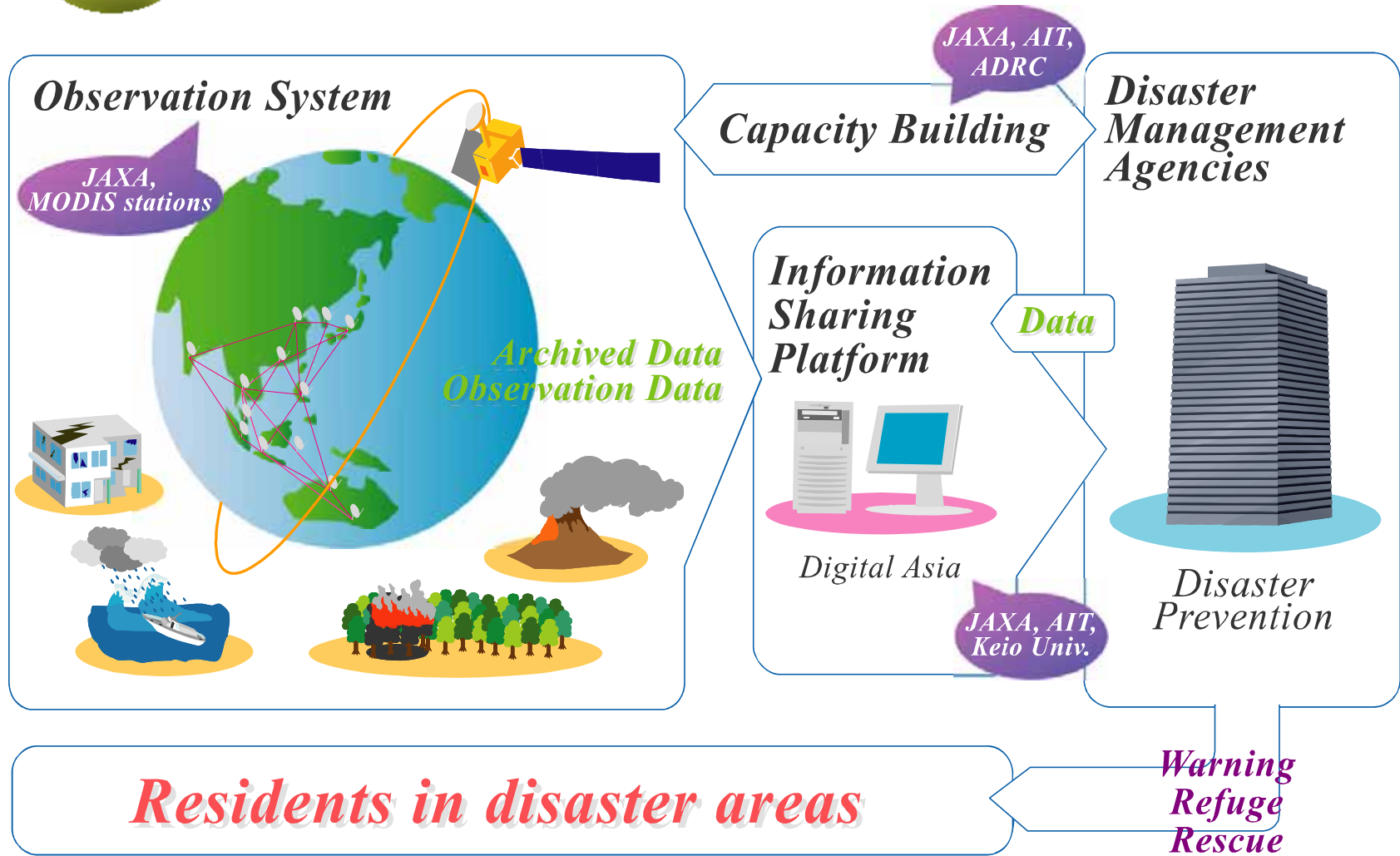
ALOS Pilot Projects

- ALOS Pilot Projects have been conducted in cooperation with GISTDA and LAPAN.
- Ministries and governmental agencies participate in the pilot project to demonstrate ALOS data applications.





Sentinel-Asia Project under the framework of APRSAF: Asia Pacific Region Space Agency Forum





Sentinel Asia Project under the framework of APRSAF (cont'd)

Sentinel-Asia Project - Disaster Management Support System - Microsoft Internet Explorer

ファイル 編集 表示 お気に入り ツール ヘルプ

アドレス http://21017290247/adrc/MyMap/adrc/index.jsp


Sentinel Asia Project
Disaster Management Support System

Home
Search Photo
Search Satellite Images
Search Observation Requests
Request New Observation
User Management

Observation Date: 2008-05-16 00:00:00
Sensor: *
Product: ***
Comments: ALDS Image around Mt. Merapi Volcano on May 16, 2008.

Satellite Image Details

Satellite Image



Legend:

- Elevation
 - Elevation Contour
 - Spot Elevation
- Transportation
 - Airport Facilities F
 - Transportation Da
 - Miscellaneous Trar
 - Railroads
 - Roads
 - Railroad Yard Poin
 - Trail and Tracks
 - Transportation Str
 - Transportation Str
- Utilities
 - Util Data Quality L
 - Pipe lines
 - Power Transmissi
 - Utility Point Featu
- Vegetation
 - Croplands
 - Grasslands
 - Marshes/Swamps
 - Trees

Lat: 7d 33m 31.244s S, Lon: 110d 26m 22.266s E

[Download this image from FTP site] [Back]

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インターネット



Conclusion

- The satellite observation is very effective to obtain global water cycle information.
- Satellite information is significant for scientific issues, such as extreme rainfall events and variation of water cycle related to global change.
- End-to-end system linking data providers and users are being constructed in cooperation with IFNet/GFAS, ICHARM, etc., toward future operational systems.
- JAXA is conducting capacity building program in cooperation with AIT, GISTDA and LAPAN
- Sentinel Asia project is being promoted under the framework of APRSAF



Thank you for your attention.

