



Acronym: ASIAES
Full Name: ASEAN+3 Satellite Image Archive for Environmental Study
Website: asiaes.gistda.or.th
Established: 2001
Location: Bangkok, Thailand

Areas of expertise: Web portal designed to share information of earth observation satellite products.

Main Partners and collaborations: Center of Earth Observation and Digital Earth – Chinese Academy of Sciences (CEODE), Geo-Informatics and Space Technology Development Agency (GISTDA), Japan Aerospace Exploration Agency (JAXA), Malaysian Remote Sensing Agency, Ministry of Land Management, Urban Planning and Construction, Centre for Remote Imaging, Sensing and Processing - National University of Singapore (CRISP – NUS), Pacific Disaster Center, Philippine Council for Advanced Science and Technology Research and Development (PCASTRD).

Short Description:

The ASEAN+3 Satellite Image Archive for Environmental Study is a project recommended by the ASEAN+3 Economics Minister (AEM+3) Meeting in 2001, in order to share satellite archives for natural hazard management and environmental study among the ASEAN+3 member countries. Members of the ASEAN+3 are countries in South East Asia, China, Japan, and Korea.

The ASIAES system is a web portal designed to share information of earth observation satellite products which can be applied for natural hazard management in the ASEAN+3 member countries region. ASIAES applies the distributed network concept. Participating agencies are not required to import their satellite products to ASIAES system. They can simply establish, maintain and update their own database systems, with all rights of data reserved for the data providers. Metadata in database systems from various sites will be linked to each other under the web service technology. In the other word, this ASIAES system can be considered as a one stop online catalogue of satellite images for natural hazard management.

Main activities:

ASIAES is a web portal designed to be a media that helps satellite data providers as well as users with the following services:

- Natural disaster information: ASIAES provides users with daily information of serious hazards events.
- Data Clearinghouse: ASIAES provides users with daily information of serious hazards events.
- 3D Visualization: In some selected disaster areas, ASIAES serves users with satellite images overlaid on corresponded terrain model.

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Source: ASEAN+3 Satellite Image Archive for Environmental Study