

Japan Geoscience Union Meeting 2011

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U004-P03

Room:Convention Hall

Time:May 27 10:30-13:00

Approaches to Promoting Use of Data Integration and Analysis Products

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We at JAMSTEC (Japan Agency for Marine-earth Science and Technology) have developed and operated the following three websites 1) - 3) toward long-term sustainable services as part of the theme "Development of Technologies for Practical Use" of the DIAS (Data integration and Analysis System).

1) FlntAn (Fruit of Integration and Analysis)

[<http://www.jamstec.go.jp/drc/fintan/e/>] [Contact: dias-mng [at] jamstec.go.jp]

This is an informational website on the fruits of research and development work by the JAMSTEC under the DIAS. The applied themes include "Ocean & Fishery Resources," "Hydrological Cycle in Eurasian Cryosphere," "Hydrological Cycle in Monsoon Asia" and "Land Ecosystem." Among its research projects, "Ocean & Fishery Resources" involves ocean reanalysis data including their application to fishery resource research. "Hydrological Cycle in Eurasian Cryosphere" deals with Hydrological Process Data in Eurasia and Glacier Inventory Data. "Hydrological Cycle in Monsoon Asia" includes Gridded Precipitation Data of the Asian Region, West Sumatra Rader-Rain Gauge Integration Dataset, Monsoon Asian Heat and Water Balance Dataset, Typhoon Tracks During the Early 20th Century and Historical Rainfall Dataset in the Philippines. Lastly, "Land Ecosystem" provides research and data on the Link System Map of the Ecosystem. Under the theme Development of Technologies for Practical Use, it has conducted research and development into a system to widely disseminate the knowledge obtained through the research of the DIAS project, while providing the data integrated under the project. This website is an informational website which aims to introduce highly specialized data and knowledge based on the latest scientific research to more people in a more easily-understood manner, and encourage its utilization. In particular, the aim is to not only give stylized introductions regarding the data but to make an accessible website whose content can be readily understood, and to this end, columns and glossaries related to each of the research themes have also been prepared.

2) MAPS (My Atlas and Plot Service)

[<http://www.jamstec.go.jp/drc/maps/e/>] [Contact: dias-mng [at] jamstec.go.jp]

This is a system to provide the above-mentioned datasets. We launched the early website at 2007. We also investigated users' needs through an online questionnaire and through interviews regarding the types and quality of required data, data formats, website functions and so on. Accordingly this website has been remodeled with new datasets and new functions to meet users' needs since the fall in 2010. We have provided online mapping and plotting services with MapServer, and download services with functions of extracting digital data by selected attribute and of converting into another file type. These services provide a powerful visualization and analysis capabilities for the data products. The input items and forms in online questionnaire and Contact-Us page in our website have been refined to collect feedbacks and comments about the new website functions.

3) Inventory System of Hydroclimate Observation Data by Stations

[<http://www.jamstec.go.jp/rigc/mahadis/search>] [Contact: mahadis-info [at] jamstec.go.jp]

This is a system to provide inventory information of hydroclimate observation data by stations in the Asia-Pacific region and to share the information with users around the world. You can search by Data Source, Station Name, Data Source or WMO Station Number, Period, Latitude/Longitude, etc. and view search result in list view or map view. Additionally, you can download the search results in CSV format. Currently, the information of Monthly Bulletins of the Philippine Weather Bureau from 1907 to 1940 is available.

We will continue to make improvements in the future so that we can return the fruits of DIAS to everyone on a broad scale. Feel free to contact us using the contact information with any questions or requests for each website.