DIAS Data Release and the Cooperation Among Data Centers by Metadata

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Our project, DIAS (Data Integration and Analysis System) started in 2006, has a purpose of constructing data infrastructure that can integrate earth observation data, numerical model outputs, and socio-economic data effectively. DIAS also has a purpose to create knowledge enabling us to solve earth environment problems and to generate socio-economic benefits. From October 2010, we have released data of DIAS with document-metadata, describing about dataset in English and Japanese. Anyone can use the DIAS data discovery system by accessing http://dias-dss.tkl.iis.u-tokyo.ac.jp/ddc/, and can download data files of 195 datasets through the system.

The data in DIAS is classified into 4 categories:

1) Numerical simulation outputs for the purpose of research,

2) Satellite data for the purpose of research,

3) Datasets created by DIAS researchers,

4) Datasets created at related projects supported by DIAS.

DIAS has started the cooperation among other data centers by metadata from 2012.

The purpose of cooperation is to enhance accessibility to the data that our data centers have.

At the current time, datasets of JAMSTEC data catalogue and JaLTER data base are able to search from our data discovery system. DIAS will start to cooperation with NIPR Science database and NIPR Arctic data archive.

In addition, DIAS is providing metadata to GOESS GCI, therefore data released from DIAS has become accessible from GEOSS Portal.

In order to enhance our data discovery system and extract the most characteristics of various fields of data from metadata written by several kinds of metadata formats, we have a plan to design and develop of an integration and mediation metadata system.