Metadata Publication and Search System in JAMSTEC

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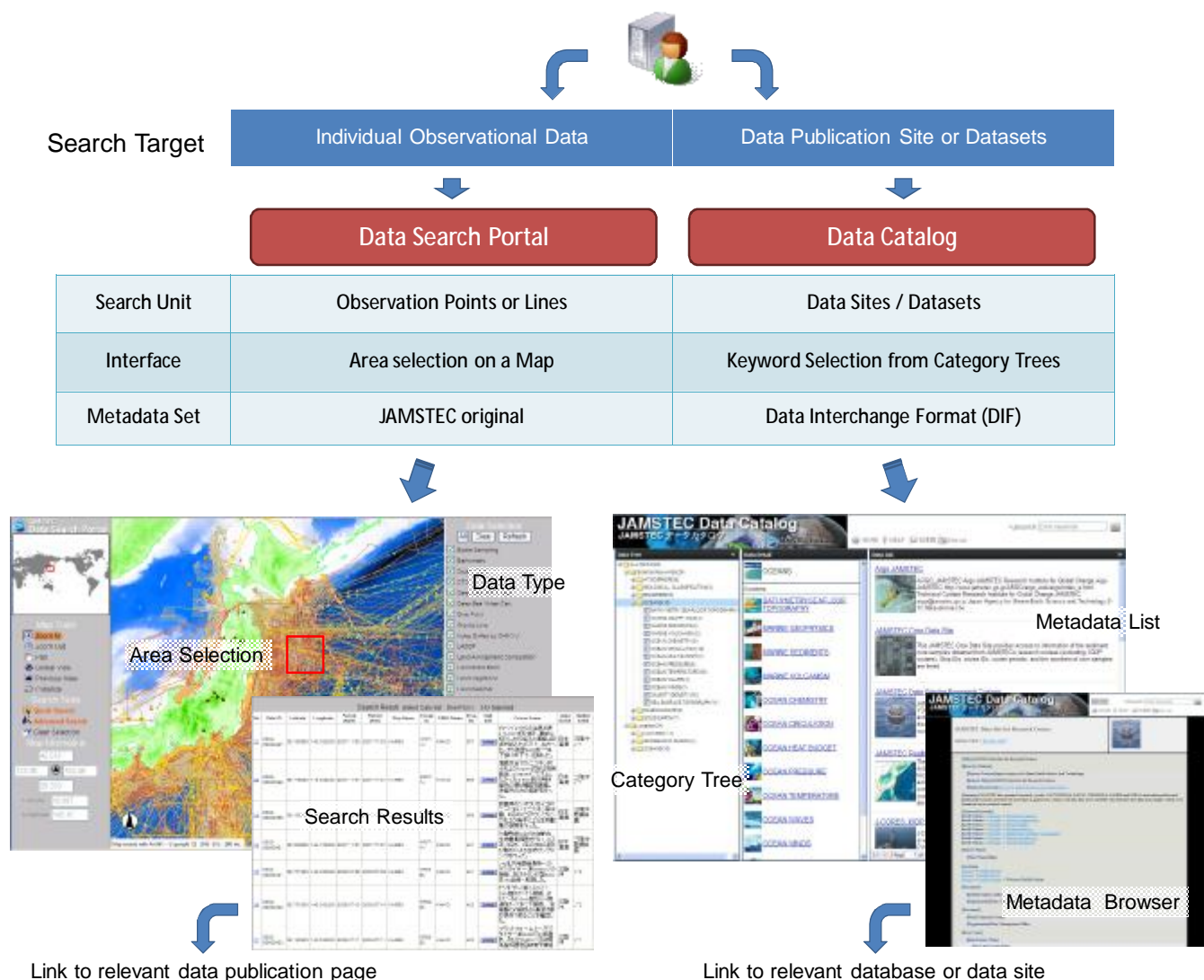
Back Ground

Japan Agency for Mairne-Earth Science and Technology (JAMSTEC) has carried out observations and researches on the Earth and the Ocean for about thirty years and positively publicizes the data and sample information. As so many kinds of and much amount of data is opened from many data sites, it has become difficult for users to find data easily from these data publication sites.

As the solutions of this problem JAMSTEC has developed two kinds of services; "JAMSTEC Data Search Portal" and "JAMSTEC Data Catalog", which helps users to find data and their publication sites in different ways.

Search for Data on a Map or for Data Sites by a Category Tree

Data Search Portal is a Web GIS based search system for observational data. Users are able to confirm the distribution of observations on a map and search for observational data by selecting the area of interest. Data Search Portal is going to be an integrated portal system for all observations of JAMSTEC including terrestrial observations or moorings.

Data Catalog is a search system not for individual observational data but for databases, data publication sites or datasets of all kinds of research activities including data analysis or simulation. Data Catalog provides easy search ways of selecting a scientific category from a classification tree or simple text search. Data Catalog will be extended to data sets which scientists can not publicize due to their facility limitations.

Search Target	Individual Observational Data	Data Publication Site or Datasets
	Data Search Portal	Data Catalog
Search Unit	Observation Points or Lines	Data Sites / Datasets
Interface	Area selection on a Map	Keyword Selection from Category Trees
Metadata Set	JAMSTEC original	Data Interchange Format (DIF)

Area Selection

Data Type

Search Results

Metadata List

Category Tree

Metadata Browser

Link to relevant data publication page

Link to relevant database or data site

JAMSTEC Data Search Portal   http://www.godac.jamstec.go.jp/dataportal/index_eng.html
JAMSTEC Data Catalog   http://www.godac.jamstec.go.jp/catalog/data_catalog/index_en.html