In-situ data management framework of the GEOSS/Asian Water Cycle Initiative (AWCI) demonstration basin

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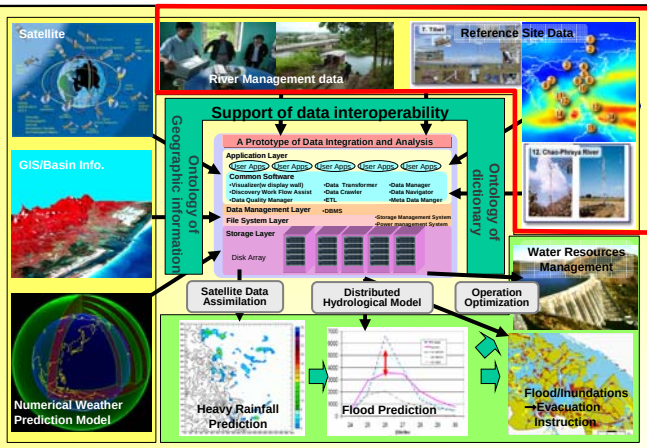
"To promote integrated water resources management by making usable information from GEOSS, for addressing the common water-related problems in Asia." http://monsoon.t.u-tokyo.ac.jp/AWCI/

GEOSS

Global Earth Observation System of Systems (GEOSS) archives coordinated, comprehensive, and sustained earth observation dataset. By integrating these dataset, decision making and action will be done at social benefit area. "Improving water resource management through better understanding of the water cycle" is one of the target of nine socio-benefit areas.

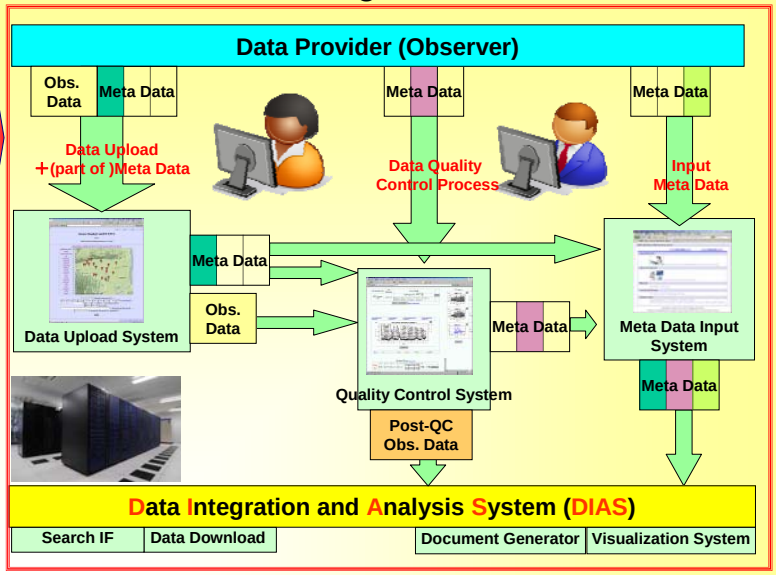
AWCI

Under the framework of Global Earth Observation System of Systems (GEOSS), representatives of hydrological and meteorological organizations and science communities in Asia gathered together, and began to discuss about how to address the water-related issues in Asia. This is the GEOSS / Asian Water Cycle Initiative (GEOSS/AWCI). GEOSS/AWCI started from 2005 and currently it is in cooperation with the Data Integration and Analysis System (DIAS) which was launched in 2006.



GEOSS/Asian Water Cycle Initiative (AWCI) has a database by using various data including earth observation satellite data, ground-based observation data and numerical weather prediction model outputs. This system is capable of providing information useful for decision making associated with integrated water resource management tasks such as heavy rain prediction, stream flow prediction and flooding prediction.

In-situ data Management framework



AWCI Demonstration Basin

Country Name
Bangladesh
Bhutan
Cambodia
India
Indonesia
Japan
Korea
Lao
Malaysia
Mongolia
Myanmar
Nepal
Pakistan
Philippines
Sri Lanka
Thailand
Uzbekistan
Vietnam

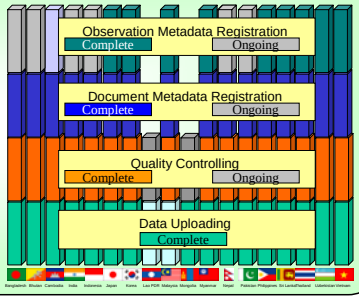
AWCI Data status

GEOSS/AWCI Data Release and Dissemination Guidelines

1) No Commercial Use or Exploitation
2) No Data Transfer to Third Parties
3) Acknowledgement and Citation
4) Co-operation between Data Users and Providers
5) Co-Authorship

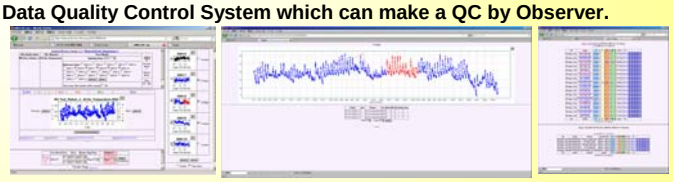
Please see for more detail;
http://monsoon.t.u-tokyo.ac.jp/AWCI/data.htm

As of 2011/10/10

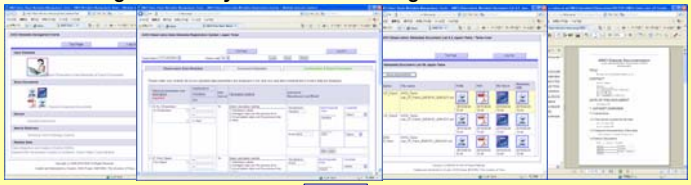


1. Data Uploading System which can upload observed raw data by observer

2. Data Quality Control System which can make a QC by Observer.



3. Metadata Registration System which can registration metadata.



The unified format and quality controlled data are created through these systems and open for the science communities through the DIAS Web site;
http://www.editoria.u-tokyo.ac.jp/dias/link/portal/english_index.html