Update on Metadata Projects in CCOP

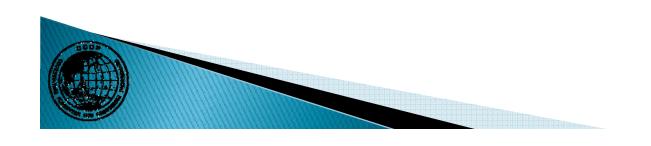
EPPM Metadata on Natural Gas Resources in the CCOP Region

P3W2: Workshop on metadata system development Davao City, Philippines, 7-9 October 2009



CCOP Mission

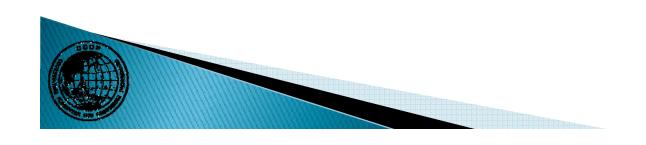
CCOP promotes capacity building, technology transfer, exchange of information and institutional linkages for sustainable resource development, management of geoinformation, geohazard mitigation and protection of the environment



CCOP strategies on Geoinformation

Key Objectives

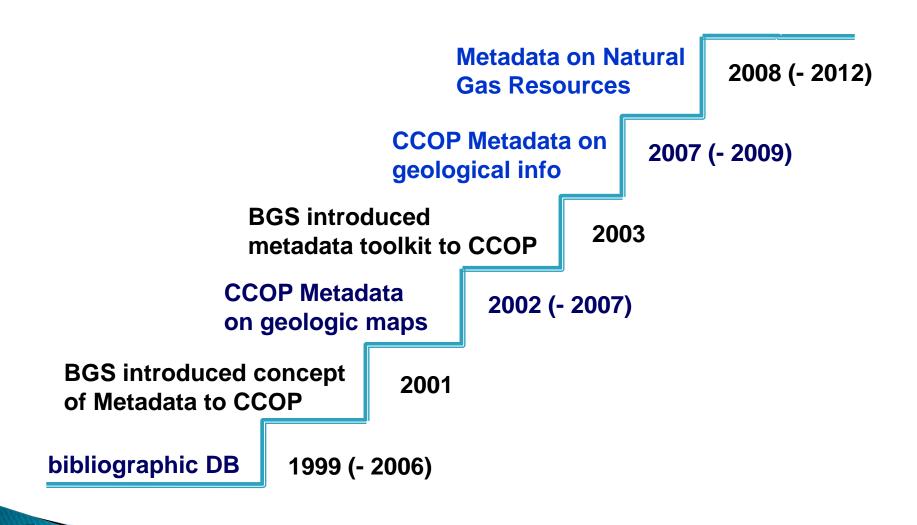
- to strengthen Member Countries' capabilities in developing appropriate methodologies for improved management of geoscience information, its efficient dissemination to users in government, industry and civil society
- to promote the use of geoscience information in both traditional and new areas of economic and social activity.



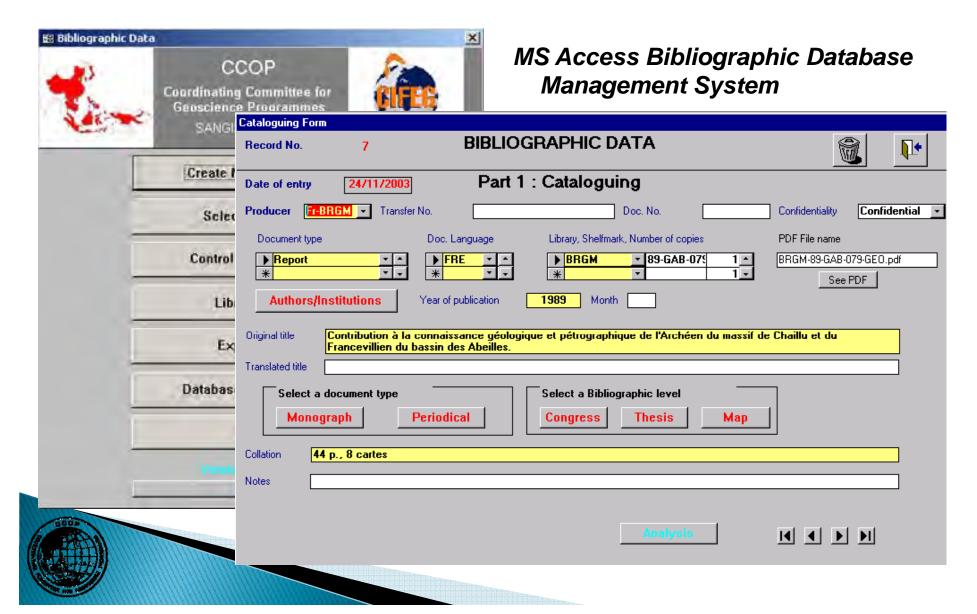
Current Geo-Information Projects

- CCOP Metadata Projects
 - Metadata for Geoscience Information
 - EPPM Metadata for Natural Gas Resources
- GEO Grid
- OneGeology-CCOP
 - http://portal.onegeology.org
- Geological Museums Book & Database
- Online Databases
 - SANGIS
 - Metadata of Geological Maps
 - Database for CASM-Asia

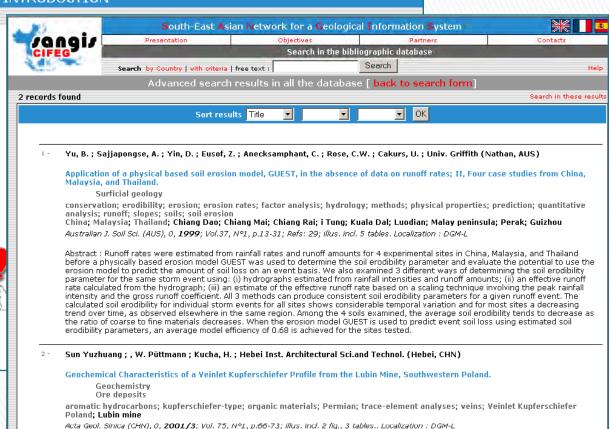
CCOP Metadata Projects / Activities



Southeast Asian Network for Geological Information System (SANGIS)







SANGIS Web Application http://www.ccop.or.th/sangis

CCOP Metadata Project Phase I – Metadata on Geologic Maps

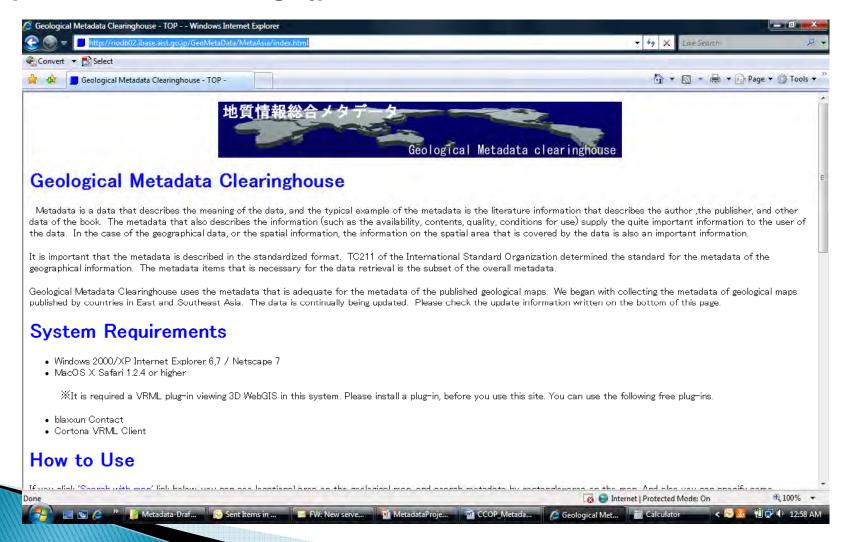
- To compile metadata on geologic maps following TC211 standard
- To introduce metadata compilation and management to CCOP Member Countries
- Initiated in 2002 supported by GSJ/AIST

International Seminar on Geoinformation via the Internet & Workshop on CCOP Metadata 18-22 February 2002 Tsukuba, Japan



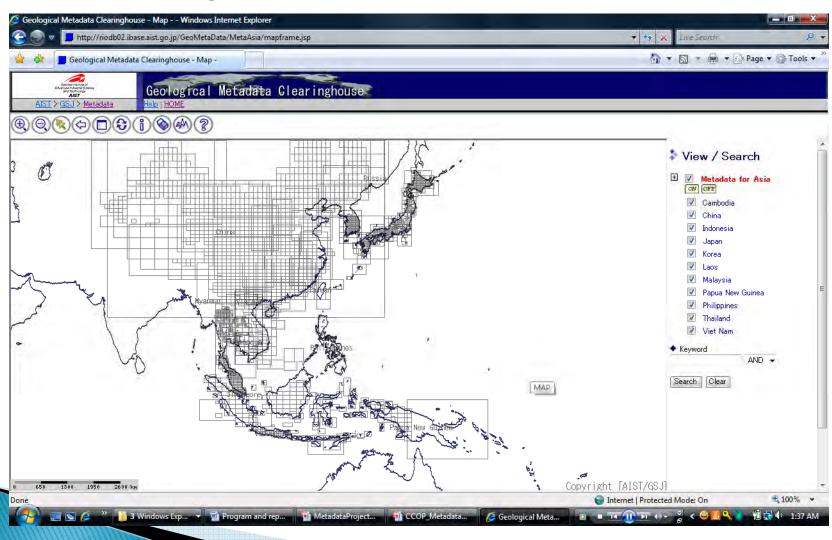
Geological Metadata Clearinghouse

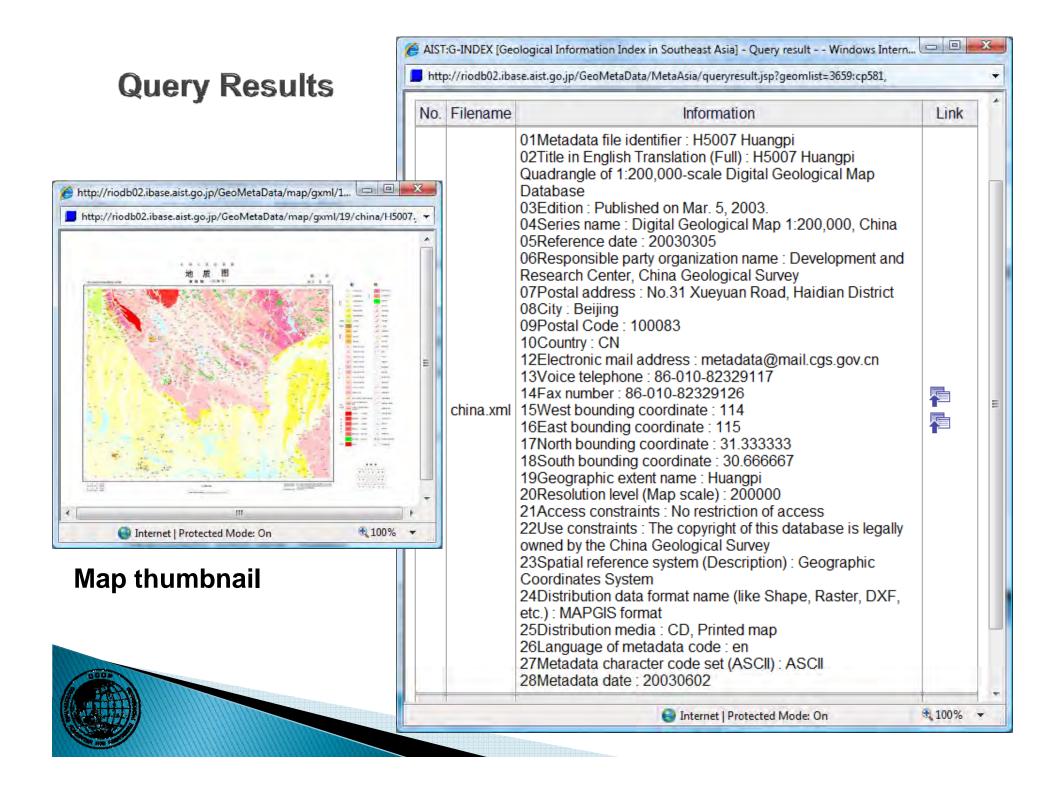
http://riodb02.ibase.aist.go.jp/GeoMetaData/MetaAsia/index.html



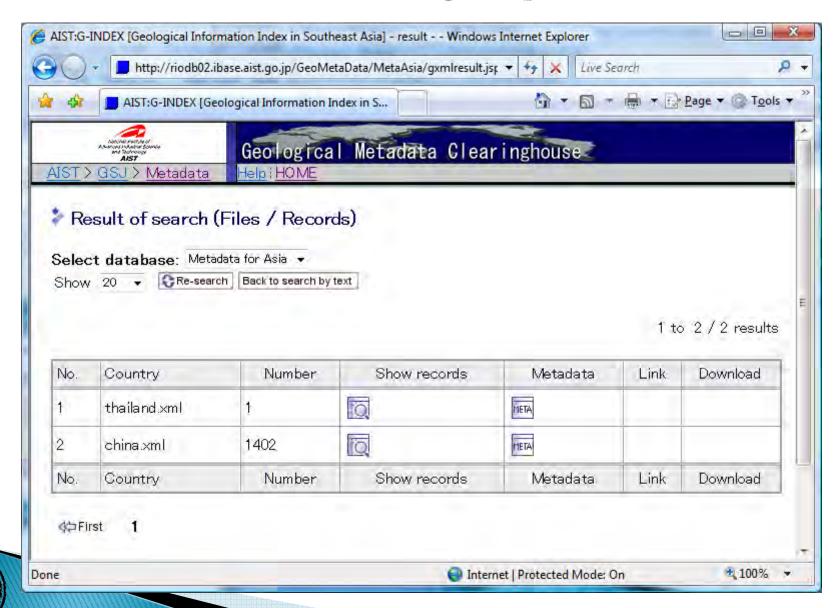
Geological Metadata Clearinghouse

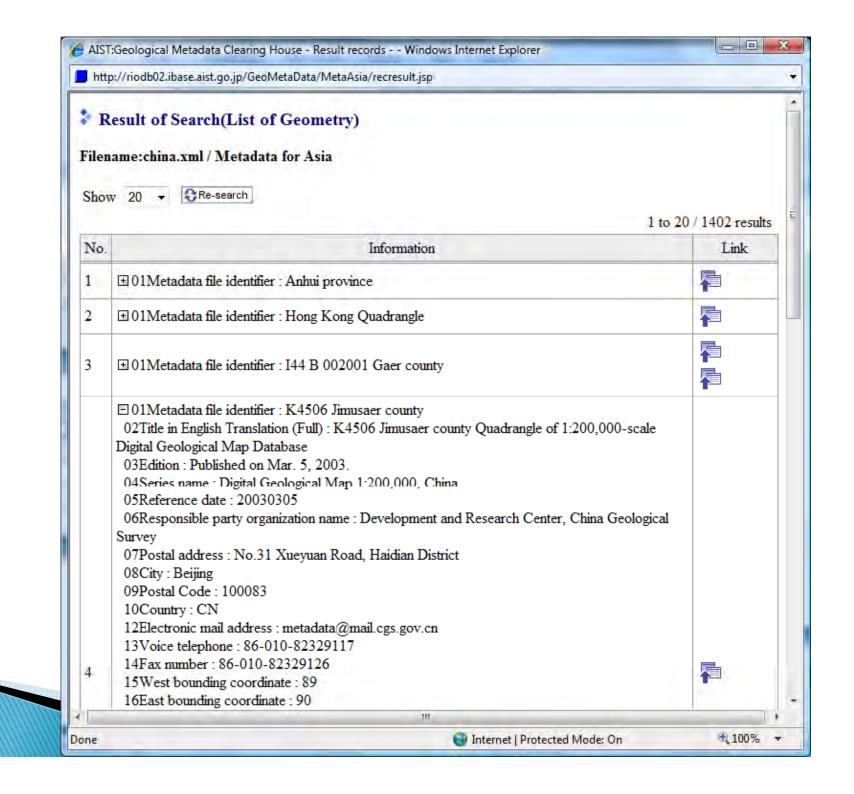
Search with Map





Search by Keywords – 'China'





Status of Completed Metadata Projects

SANGIS

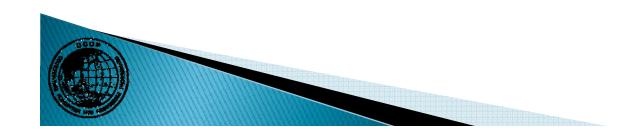
- Server at CCOPTS
- Data management by CCOPTS
- Incomplete data
- Irregular updates by participating countries
 - No online updating of data?
 - SANGIS system is completely different from the national bibliographic system – interfacing is a problem?



Status of Completed Metadata Projects

Metadata of geological maps

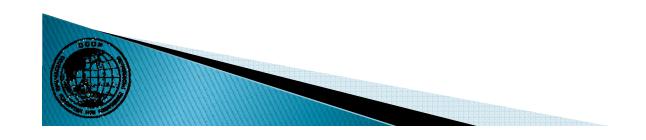
- Server at GSJ
- Data management by GSJ
- Difficulty in updating data
 - No online updating of data?



Ongoing Metadata Projects

Metadata for Geoscience Information

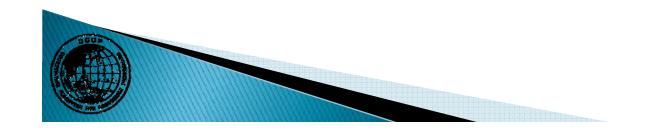
- Metadata Standard already finalized under printing
- Ongoing software development by CGS
 - To be deployed at CCOPTS
- Hands-on training in 2010.



Ongoing Metadata Projects

Metadata on Natural Gas Resources

- Workshop 1
 - Workshop on metadata standards & requirement analysis for the CCOP Natural Gas Database Metadata
- Workshop 2
 - Workshop on metadata system development



CCOP Metadata Projects

Progress Table (System Development)

Tasks / Activities	Metadata on Geologic Maps	Metadata on Geological Information	Metadata on Natural Gas Resources
Metadata Standard	28-items based on ISO19115	40+ items based on ISO19115 & CGS standard	To be identified
Metadata System	Done – Metadata Clearinghouse (Entry done by manager, at GSJ/AIST)	Development ongoing	To be developed
Training	Not done with the revised system	To be done (2010)	To be done
Launching & deployment to CCOPTS & MC	Installed at GSJ/AIST server	To be done (2009-2010)	To be done



Ongoing CCOP Metadata Projects

Recommendations – System Development

- To develop an integrated metadata system to include the metadata on geologic maps, geological information & natural gas resources
- To build on the existing CCOP Metadata Clearinghouse if possible
- To provide technical support to countries with national metadata system (if needed) – importing their data to the CCOP metadata system automatically
- To use Open-Source Software in system development
- To consider multi-lingual features for the system user interface and at least on keywords used (to make use of the Asian Multilingual Thesaurus for Geoscience)
- To consider linkage with the SANGIS Bibliographic database
- To consider publication of retrieval system in CD (with data) at a particular point in time.
- To consider linkage to the data itself, in particular for the nonconfidential data available for the public



Recommendations (for the Ongoing Metadata Projects)

- Build on existing metadata systems & linkage with CCOP databases compiled
- Consider the following issues in updating data:
 - National metadata system is not compatible with the Project metadata system
 - Online updating of metadata
 - One time updating only
- Assist MC in having their own metadata system linked to the data if possible.







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