CCOP GEOINFORMATION METADATA SYSTEM(CCOPGIMS)

DEVELOPMENT & RESEARCH CENTER CHINA GEOLOGICAL SURVEY

2010.03.25

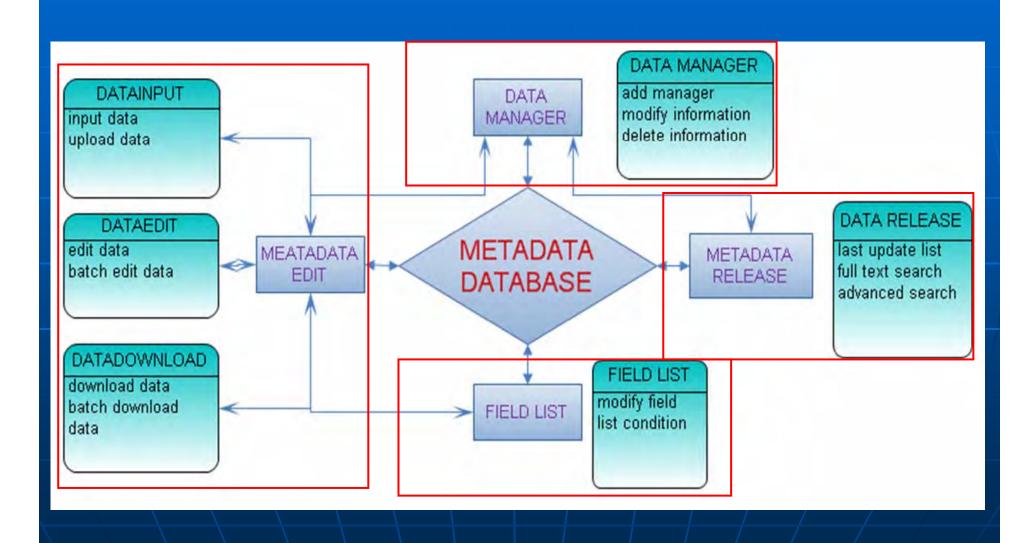
Overview

- Metadata software system is made for the Coordinating Committee for Geoscience Programmes in East and Southeast Asia (CCOP) and sponsored by China Geological Survey(CGS).
- The system is designed to help the member countries of CCOP to manage their metadata.
- The system is a web based java system. It provides a platform for all the member countries to collect, edit and release their metadata following CCOP standard GEOINFORMATION METADATA (CCOP S01 edition 2 2009-08-18).

Overview

- Metadata database is located at CCOP Technical secretariat in Thailand. The server is provided and managed by CCOP, such as, its maintenance, data backup and commons collecting.
- Each member country can visit the server and use the database via internet according to CCOP authority.
- Each member country will get a store space in the server after being authorized, its data manager can upload, edit and release its own metadata.
- Every one can browse published metadata by visiting the metadata website. They can view the last update list or result list searched by full text or advanced search.

Software structure



Basic information

- Development language: Java J2EE
- Database: MySQL
- Running environments:
 - Software:
 - Server: windows server 2003/Linux
 - Client: Internet explore 7.0 (IE 7.0)
 - Hardware:
 - Server: Min-requirement:
 - Pentium®M processor 3.2
 - RAM: 1.5GB
 - Hard disk: 50GB
 - Client:
 - Can install IE7.0 and visit internet

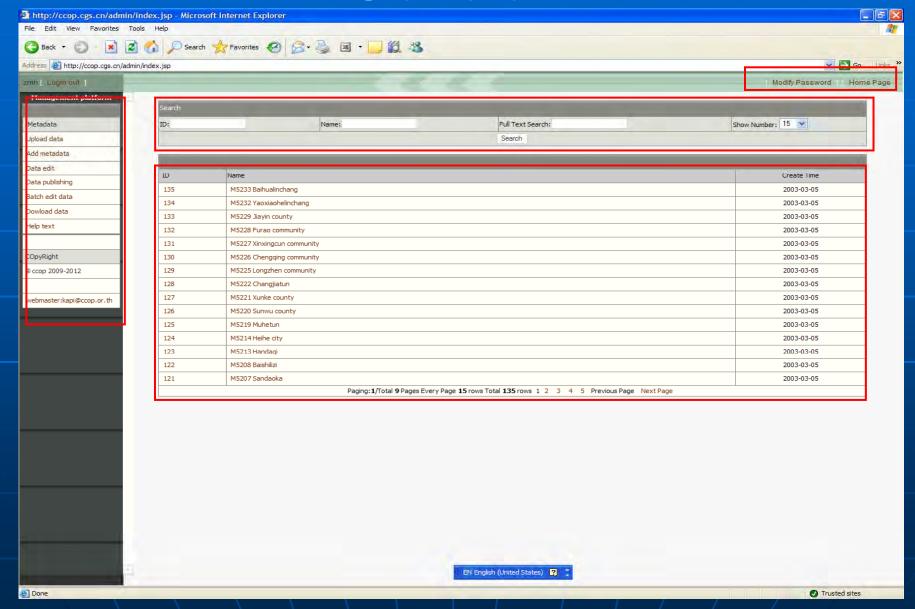
1. Get data manager authority

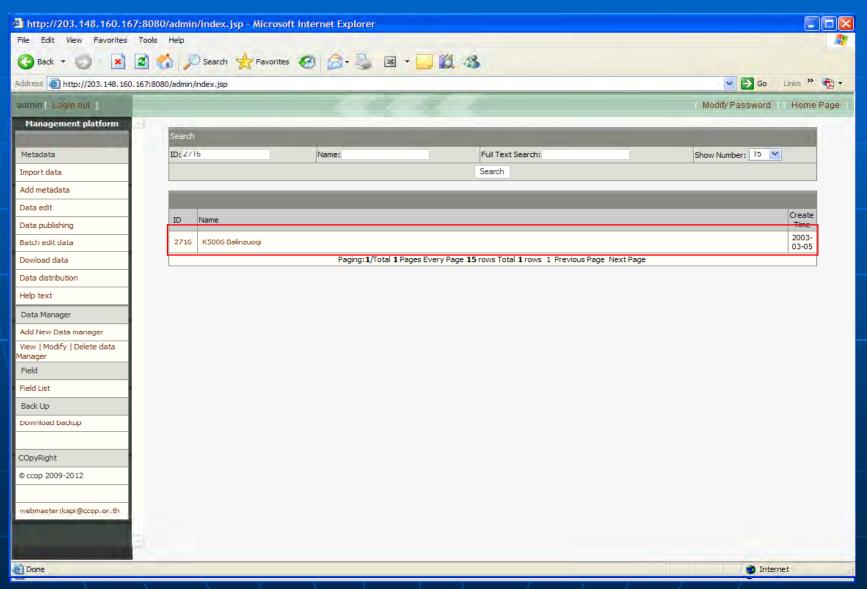
Each member country can get a data manager authority by mail from super administrator. This is the first step to use the metadata system.

- 1) Send your name\country\username and other needed information to super administrator.
- 2) You will get a password.

- 3) Visit the administration web site:
 - http://203.148.160.167:8080/ admin
- 4) login with the username and password.

Login in				
ManagerName:	zmh			
password:	•••••			
Type the code shown:	1584 1 5	84		
	Submit			





Exercise

□ Visit the web site:

http://203.148.160.167:8080/admin

Login with:

User name: zmhtest

Pwd: 123456

■ Search:

Find the metadata ID=2716

Logout

Exercise

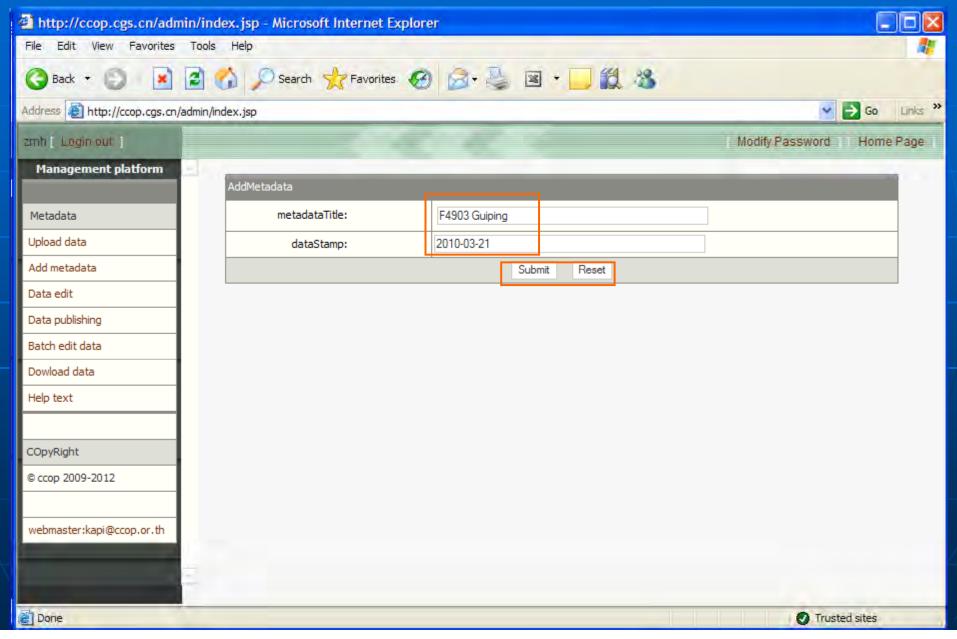
□Login with the following manager name and pwd, and modify the pwd

Management and Aller states and Aller st				
Serial num	Mangername	pwd	Full name	OrganisationName
1	indrajaya	123456	INDRA JAYA	LEMIGAS
2	lauti_mon	123456	LAUTI D. SANTY SUTEDJA	INDONESIA
3	jiaying	123456	jiaying	SINOPEC
4	zhangqinghe	123456	zhangqinghe	SINOPEC
5	dfa68	123456	demujin antiporda	SRS DOE
6	william_keket	123456	william wilson keket	PAPUA
7	zakiahn	123456	zakianh bt zainol	PETRONAS
8	zilah	123456	norzilah jaffar	PETRONAS
9	shjang	123456	seonghyung jang	KIGAM
10	liem98	123456	pham thanh liem	deputy manager
11	qviet	123456	LUU QUANG VIET	HANOI
12	orn-anutt	123456	Orn-anutt suthsangiam	DMF
13	kanitta	123456	kanitta danudom	Thailand
14	jedb	123456	JEDB. ARAGONES	PNPC
15	heru	123456	HERU KHRISTIYANTO	PERTAMINA
16	jugan	123456	BERNADETTE	ASCOPE
17	som	123456	SOM VANNAK	CNPA
18	kjell	123456	KJELL REIDAR KUNDSEN	NORWEGIAN
19	knut	123456	KNUT HENRIK JAKOBSSON	NORWEGIAN
20	boonrasri	123456	Boonrasri tongpenyi	EPPM

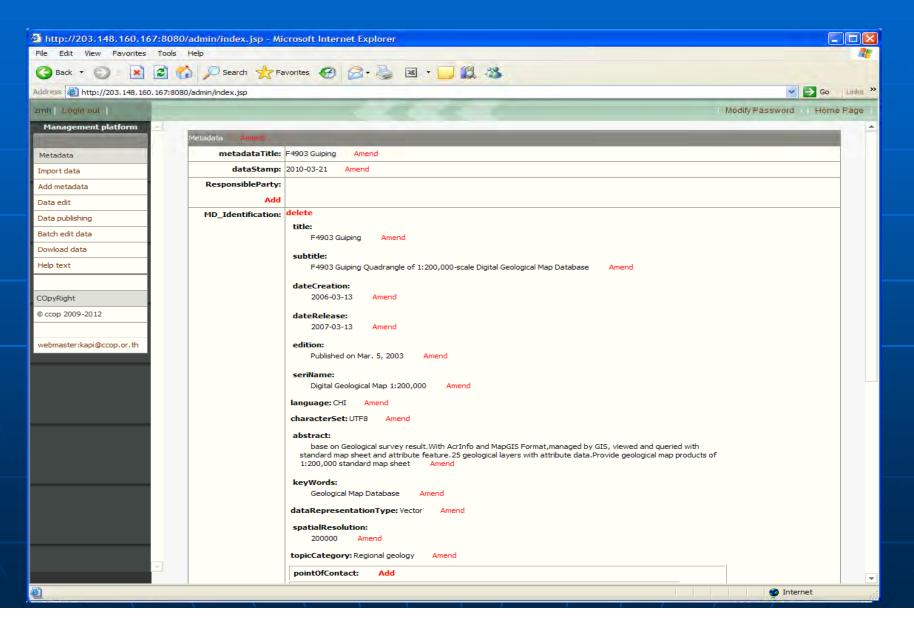
Input data

- Add metadata
 - Data manager can type the metadata information element by element on the data input page. All the information typed in can be saved into the database.
- Upload metadata
 - Data manager also can upload exist files into the system.

Add metadata



Add metadata



Exercise —input metadata

Add metadata

• metadataTitle: K5003 Xilinhaote

• dataStamp: 2003-03-05

Add md_identification

title: K5003 Xilinhaote

• **subtitle:** K5003 Xilinhaote Quadrangle of 1:200,000-scale Digital Geological Map Database

• dateCreation: 2002-10-09

• dateRelease: 2003-03-05

• edition: Published on Mar. 5, 2003.

• seriName: Digital Geological Map 1:200,000

• language: CHI

characterSet: BIG5

• **abstract:** base on Geological survey result. With AcrInfo and MapGIS Format, managed by GIS, viewed and queried with standard map sheet and attribute feature. 25 geological layers with attribute data. Provide geological map products of 1:200,000 standard map sheet.

• **keyWords:** Geological Map Database

dataRepresentationType: Vector

• spatialResolution: 200K

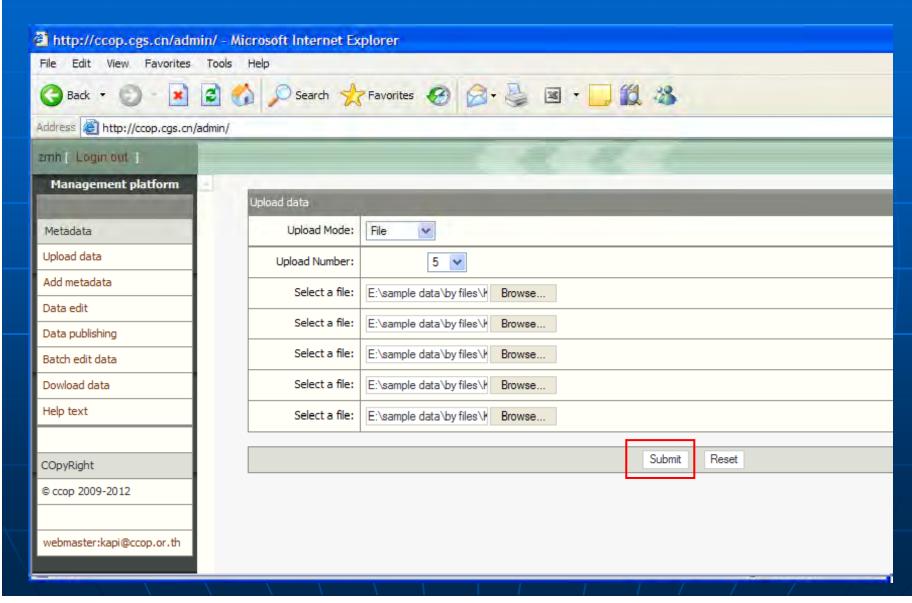
topicCategory: Regional geology

Upload metadata

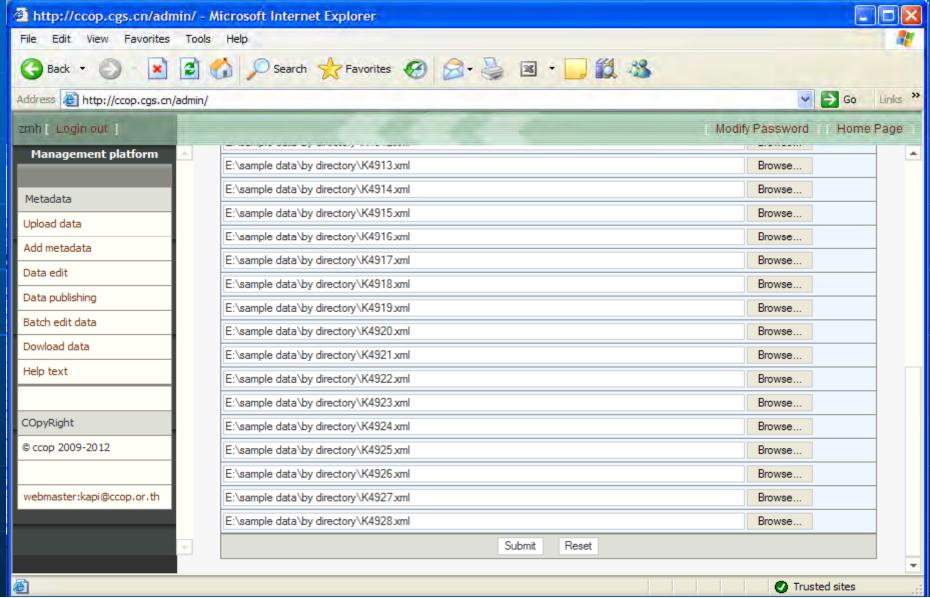
Upload data by files

Upload data by directory

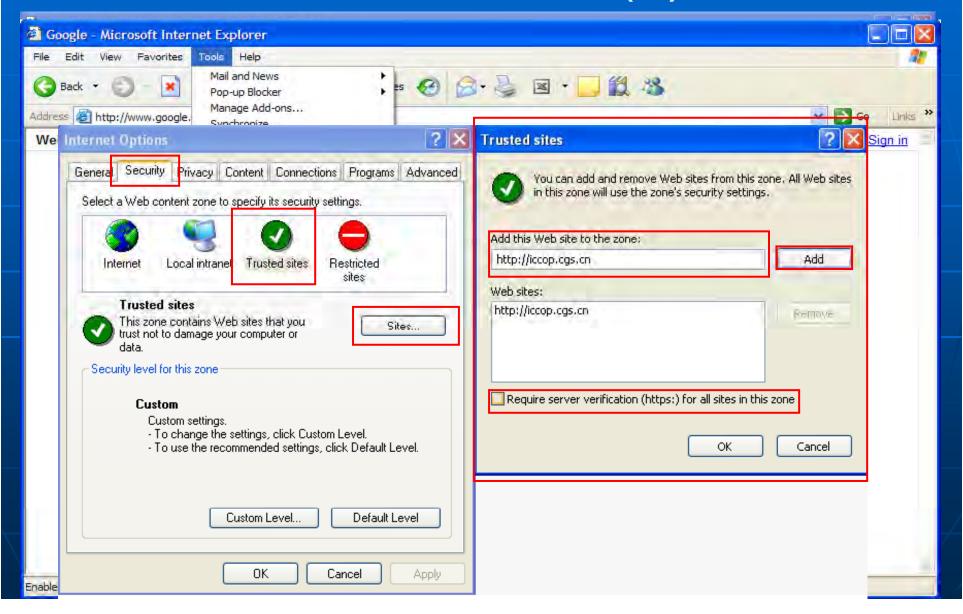
Upload data by files



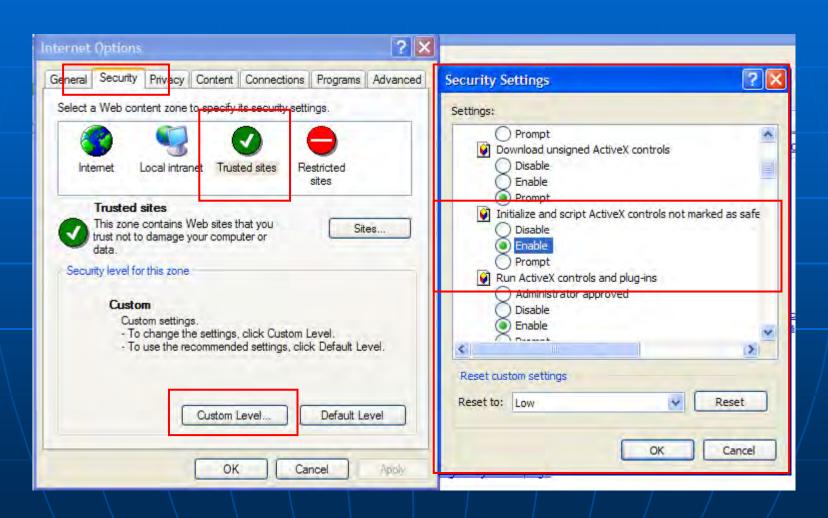
Upload data by directory



Trusted sets (1)



Trusted sets (2)



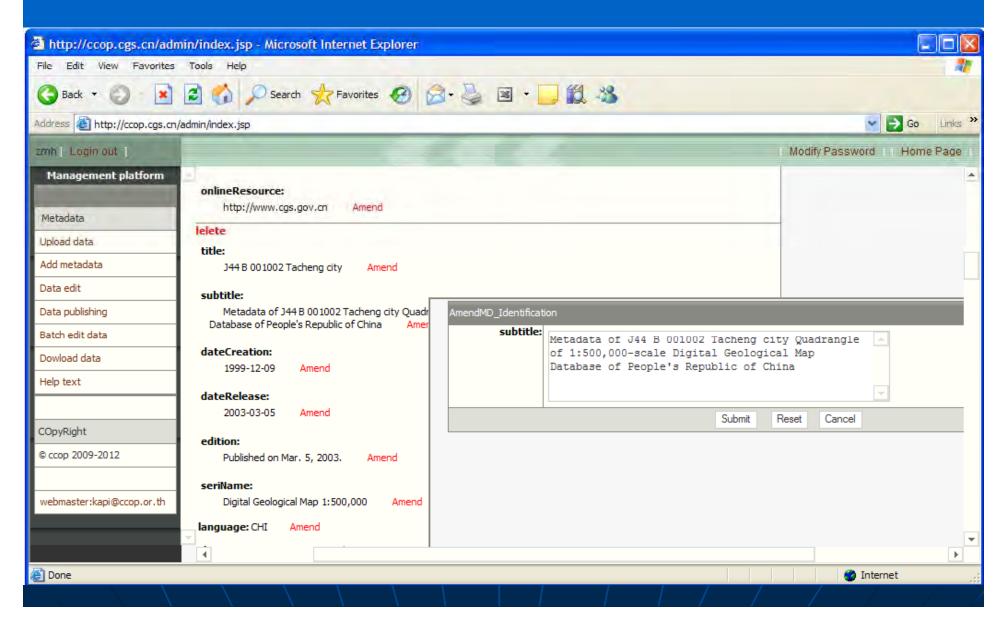
Exercise —upload metadata

- Upload by files:
 - ...\sample data\by files\
 - K4825.xml
 - K4826.xml
 - K4827.xml
 - K4828.xml
 - K4829.xml
- Upload by directory:
 - ...\sample data\by directory

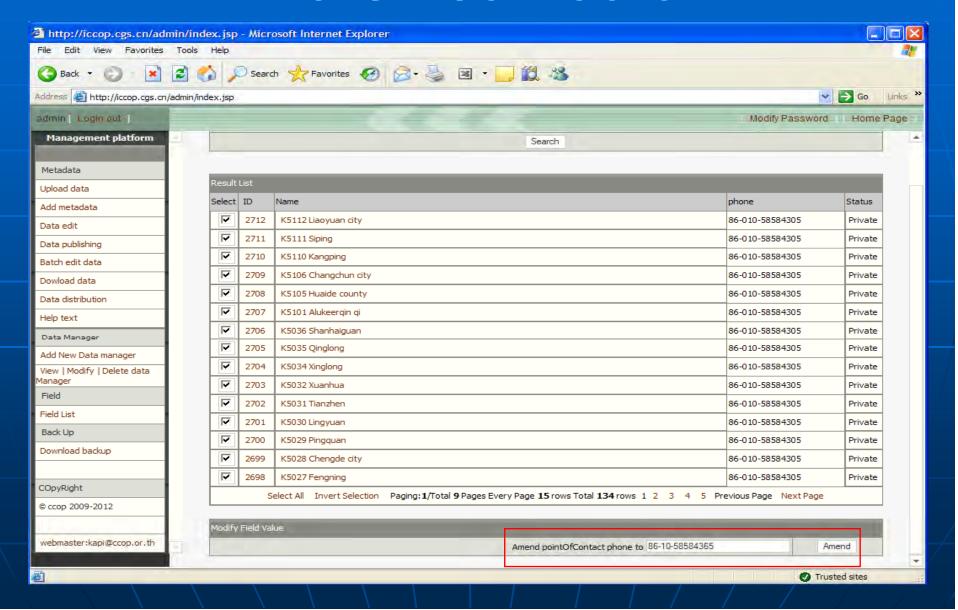
Data edit

- Data edit includes <u>amend, delete and</u> <u>download</u>.
- As a rule, a data manager can mange his metadata (upload or input by himself)
- The super administrator can manage all the metadata in the system.
- If a metadata has been published. It can not be edited or deleted.

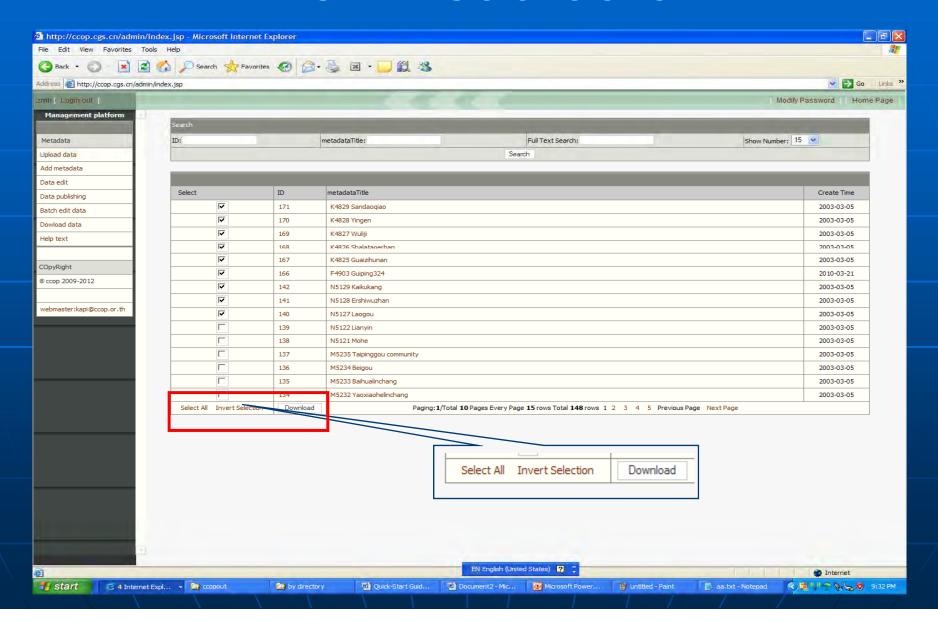
Data edit



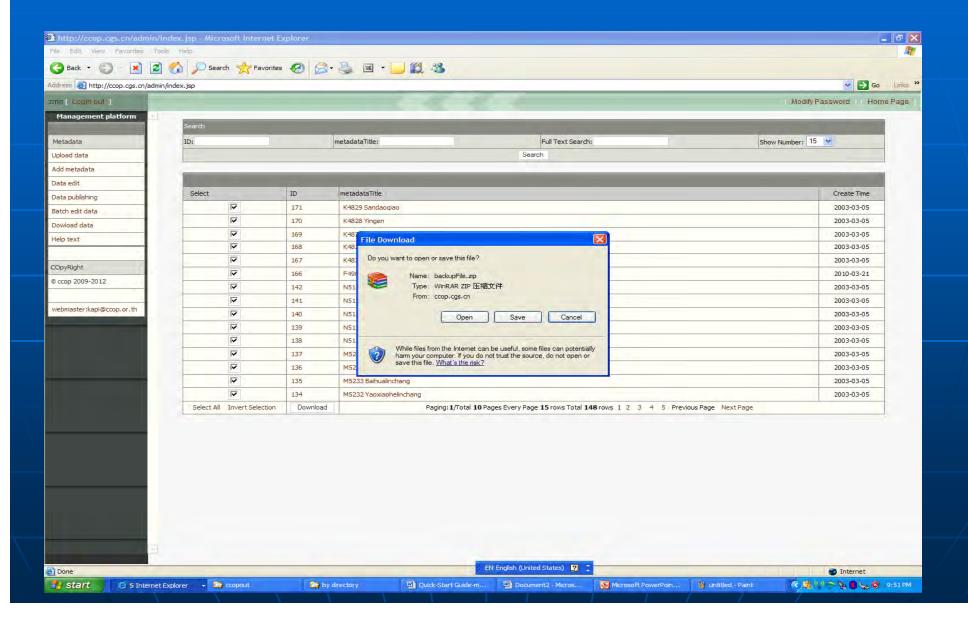
Batch edit data



Download data



Download data





Modify parts information of the metadata.

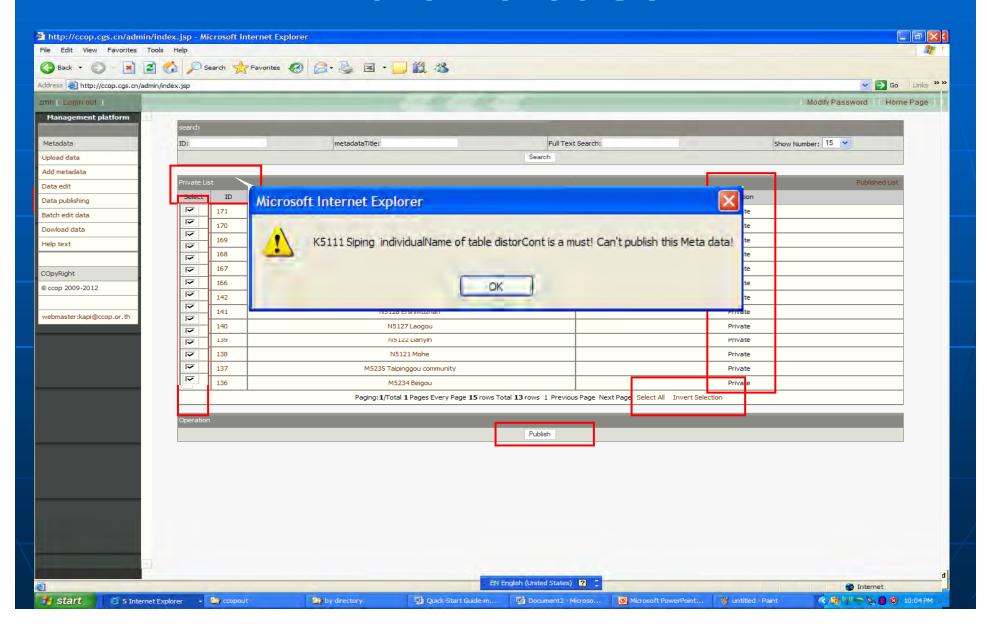
Replace the contact phone number to another number.

Download data to your computer.

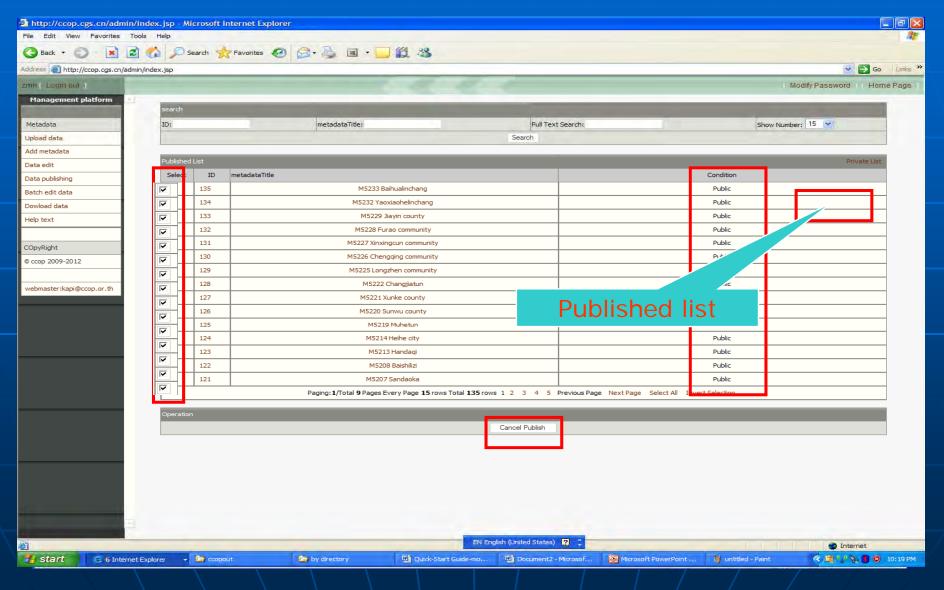
Data release

- The metadata you input or upload is private before you release it.
- There is no one except for yourself and the administrator can see your private data.
- You can add, modify and delete your own private data.
- If the metadata is not finished, for example, miss some must elements, it can not be released.
- After you release the metadata, it will be seen by every one,
- The metadata can not be edited after released.

Data release



Unpublish data



Exercise-release data

- Release the data uploaded and check the condition.
- Visit: <u>http://203.148.160.167:8080/</u>, and click last update.

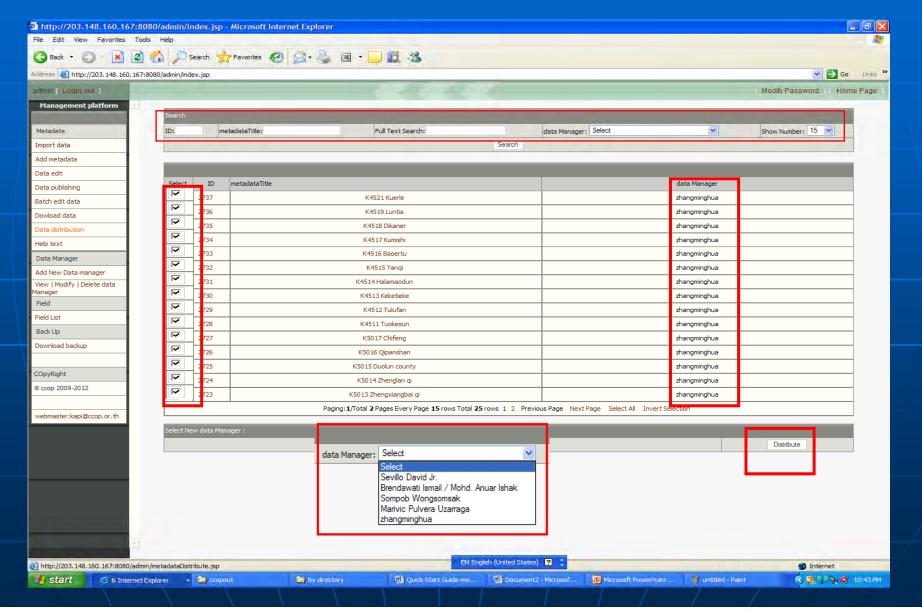
- Unpublish parts of data and check the condition.
- Visit: <u>http://203.148.160.167:8080/</u>, and click last update.

Data Transfer

This function is designed for super administrator, with this function he can transfer metadata from one data manger to another.

 This is a very useful function in changing of data manager.

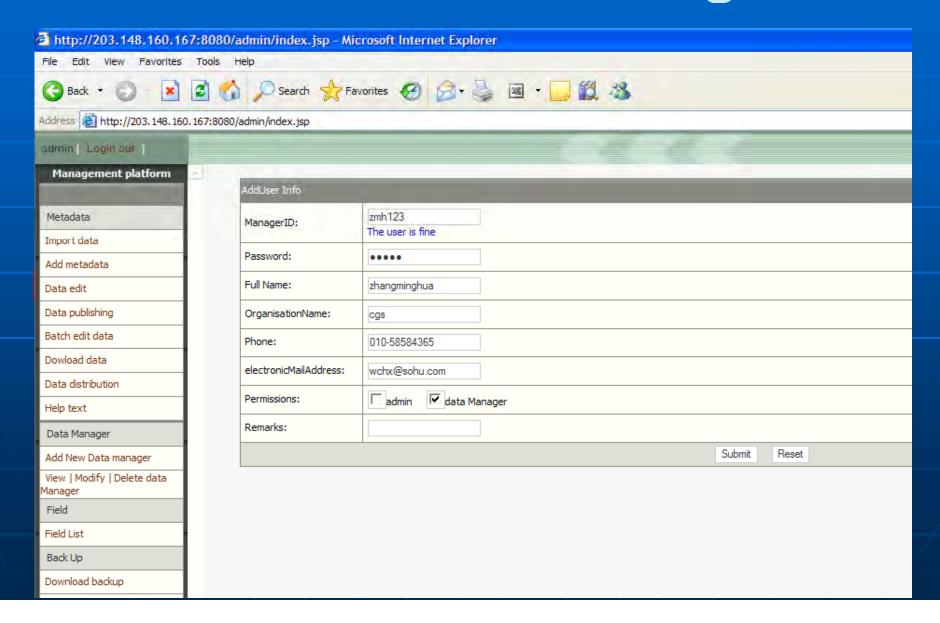
Data Transfer



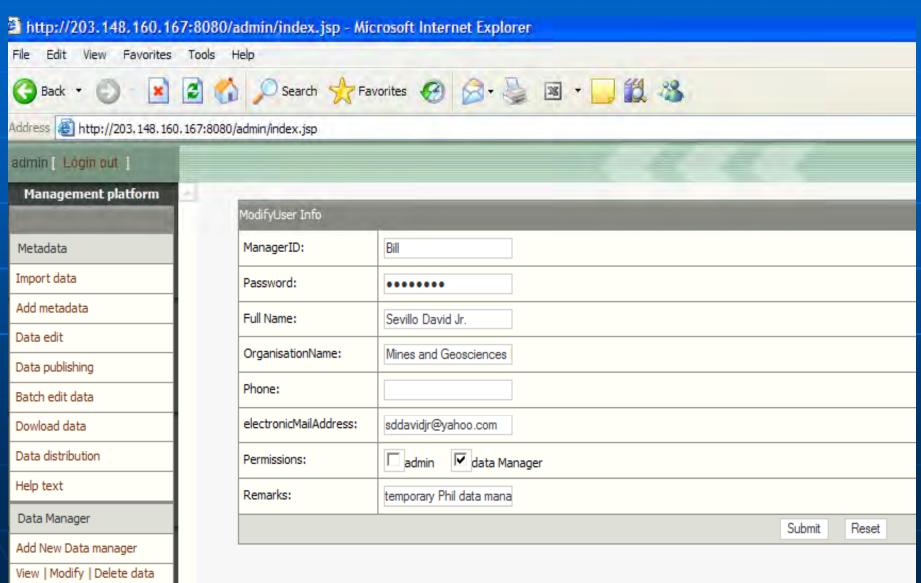
Add New Data manager

 The super administrator can permit more people to use the system by adding data manager into it.

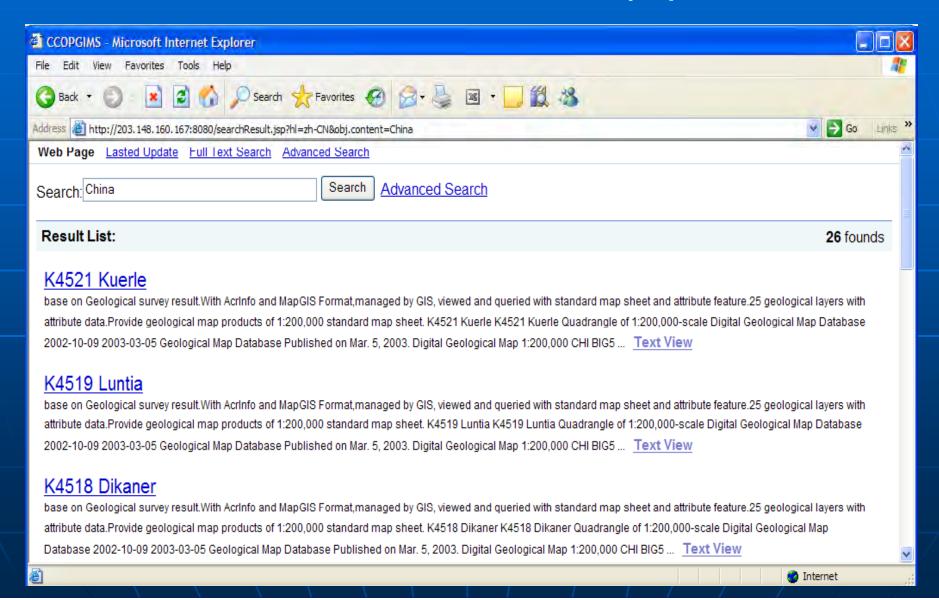
Add New Data manager



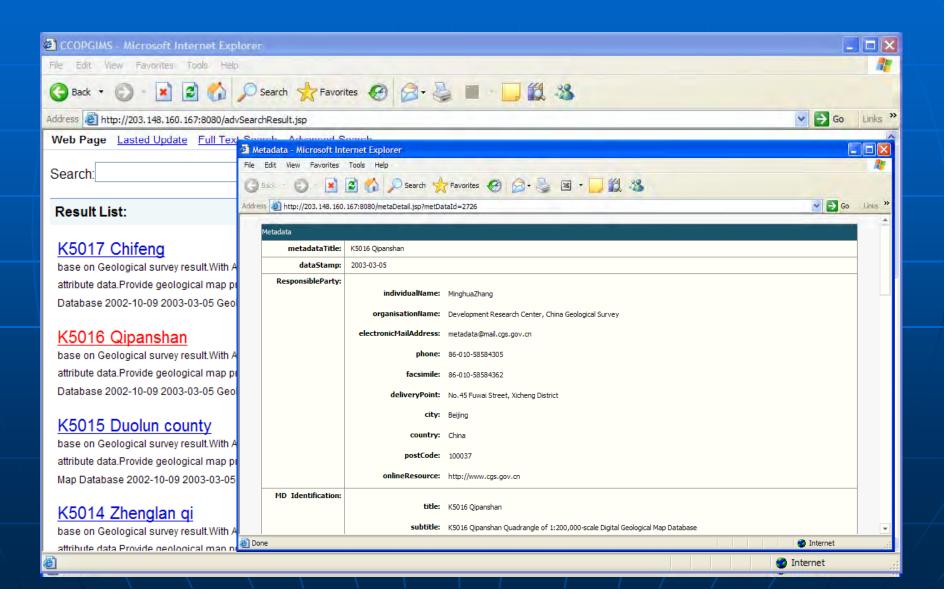
Modify Manager information



Public access(1)



Public access(2)



Exercise-public access

Full text search and view the result.

Advanced search and view the result.

Browse the last update list.