Dataset and Technology Transfer

Troika Team

SIT-25, Tokyo, 14 April 2010

Data Democracy Portal - initiated by CEOS Chair 2009

Outline

- Sample of Current Status
- Proposing Portal Idea
- Proposing Portal Structure
- Proposing Portal Homepage Design
- What do we need from the provider?
- Search Engine Process

Sample of Current Status

Numbers of products dedicated to DD program since CSIR has started their initiative (2008).

2008

- Dataset
  - Dataset A (catalog)
  - Dataset B (catalog)
  - Dataset C (10 images)
  - Dataset D (200 images)

  = 4 datasets from different providers
- Training Document
  - Course A
  - Course B

  = 2 courses from providers
- Freeware
  - Software A (downloadable)
  - Software B (send request to provider)

  = 2 software from providers

2009

- Dataset
  - Dataset E (catalog)
  - Dataset F (catalog)

  = 2 datasets from different providers
- Training Document
  - Course C

  = 1 course from provider
- Freeware
  - Software C (downloadable)
  - Software D (send request to provider)
  - Software E (downloadable)

  = 3 software from providers

2010

- Dataset
  - Dataset G (20 images)
  - Dataset H (10 images)

  = 2 datasets from different providers
- Training Document
  - Course D

  = 1 course from provider
- Freeware
  - Software F (send request to provider)

  = 1 software from provider

Sample of Current Status (cont.)

2010 (at this moment)

- Products are available out there but hard to find !

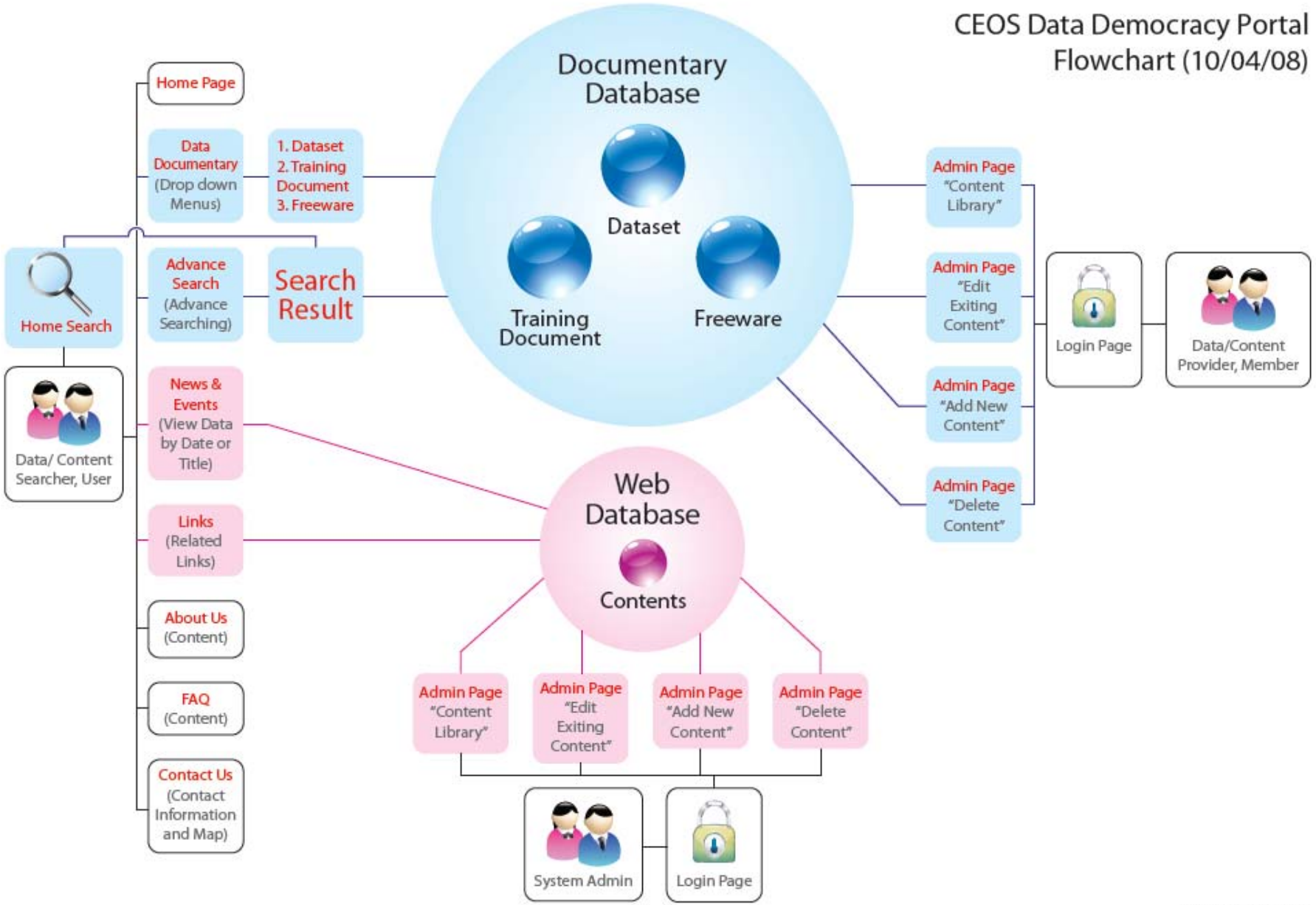
Dataset F (catalog)
Course C
Software E (downloadable)
Dataset H (10 images)
Software B (send request to provider)
Course A
Software D (send request to provider)
Software F (send request to provider)
Dataset C (10 images)
Dataset A (catalog)
Course D
Software A (downloadable)
Dataset D (200 images)
Dataset E (catalog)
Software C (downloadable)
Dataset B (catalog)
Dataset G (20 images)
Course B

= a bunch of products from different providers

Portal Idea

- Need one place where users, especially in developing countries, can easily access to those products given by CEOS community
- Put all accumulated products in one place (Documentary DB)
- By using a search engine which can initially extract product' s keywords, thus, users could find data/ documents/ software that they really look for
- No actual images contain in a server but the linkage which guides users to the actual product location (the deepest level as we can)
- CEOS members could update the list of products at anytime when they have a new product comes to the program
- A full copyright of products still belongs to providers

Portal Structure



2
Keyword
1
Drop list:
• Dataset
• Training Document
• Freeware
CEOS Data Democracy Portal
Page
Tools
Committee on Earth Observation Satellites
Data Democracy Portal
Home
Data Documentary
Advance Search
News & Events
Related Links
Downloads
What are you "Searching on this Planet"?
Search Documentary
Dataset
Go!
[Advance Search]
29/5/10 | 13:56:42
Online: 35
Page View: 968
Administrator Login
Username:
Password:
Log In
[Forgot Password?]
Related Links
Committee on Earth Observation Satellites
Group On Earth Observations
European Space Agency
Geo-Informatics and Space Technology Development Agency [Thailand]
[More Links]
Documentary Last Updates
• Dataset
Date: 28/5/10
Title: GEMS
Short Description: GEMS (Global and regional Earth-system Monitoring using Satellite and in-situ data) is an European Union funded Integrated Project (IP) within the Sixth Framework Programme. [read]
Date: 27/5/10
Title: HYPOX - Oxygen depletion monitoring system
Short Description: Hypox will monitor oxygen depletion and associated processes in aquatic systems that differ in oxygen status or sensitivity towards change. [More]
• Training Document
Date: 26/5/10
Title: Global-RIMS - Rapid Integrated Monitoring System for Water Cycle and Water Resource Assessment
Short Description: Global-RIMS is a modeling framework that estimates the water cycle water components of evaporation, transpiration, soil moisture, ground water store, and river discharge using a... [More]
• Freeware
Date: 27/5/10
Title: SWERA Application Tools
Short Description: The SWERA Programme provides access to analysis tools that can be used evaluate the data found on the SWERA site. The tools can be used to generalize patterns of solar and wind... [More]
[View All Documentaries]
News & Events
November 2010
23 November 2010
Workshop: Global measurements of forest biomass; needs, current capabilities and the BIOMASS mission [More]
[More News & Events]
Downloads
• Freeware
• Satellite Images
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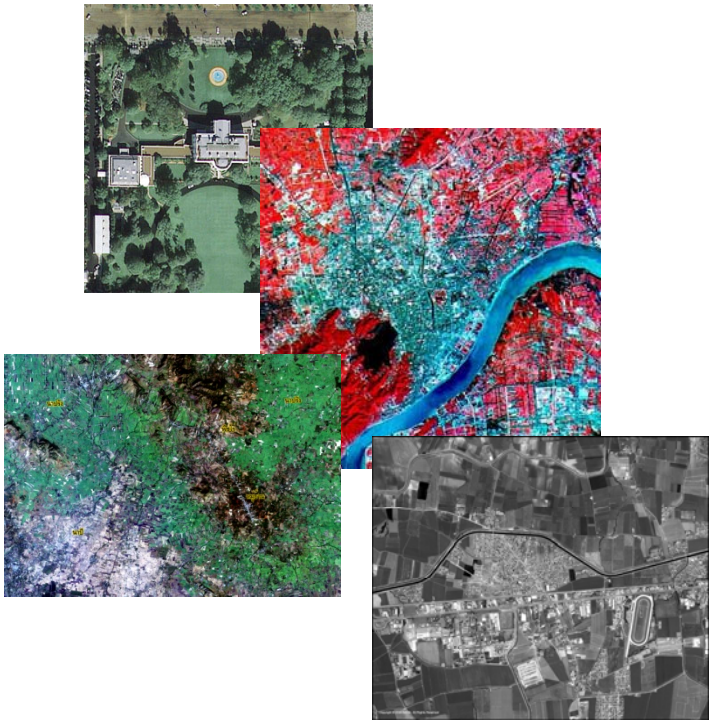
Done.
100%

What do we need from the provider?

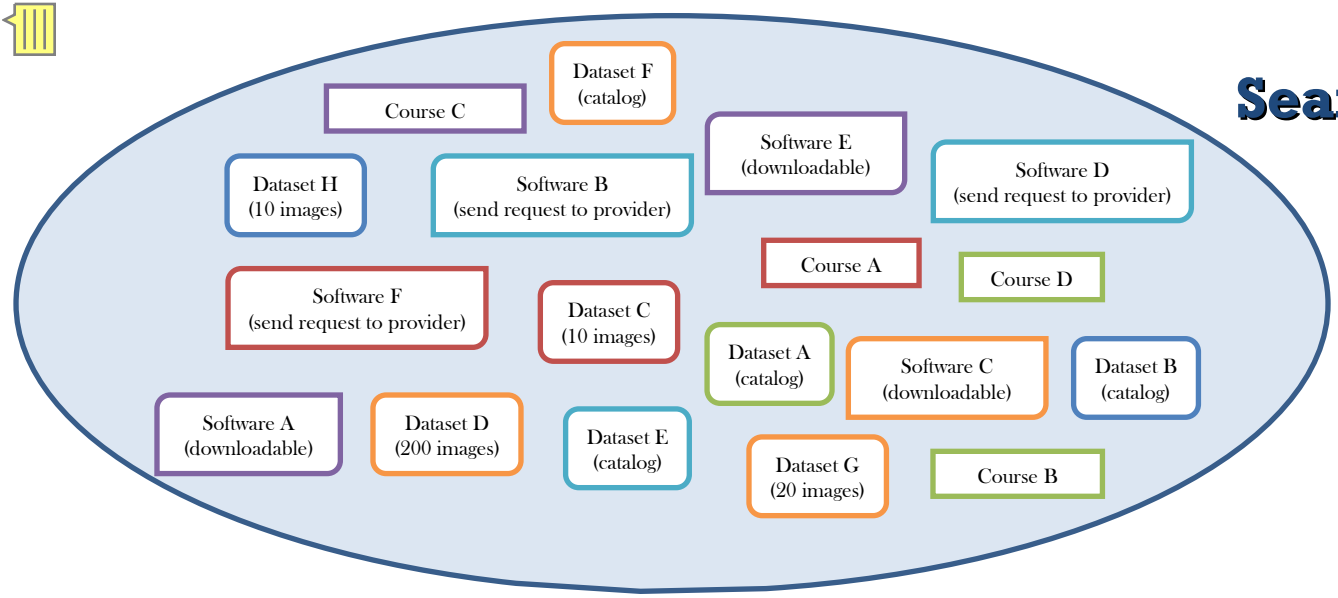
- Request “keywords” from products’ providers using as inputs for search engine
- The more keywords provided, the better results user gets

Sample

- Dataset provider
  - Name of satellite
  - Abstract/ description
  - Coverage area
  - Acquisition date
  - Online linkage
  - Application
  - Distributor/ Product Owner



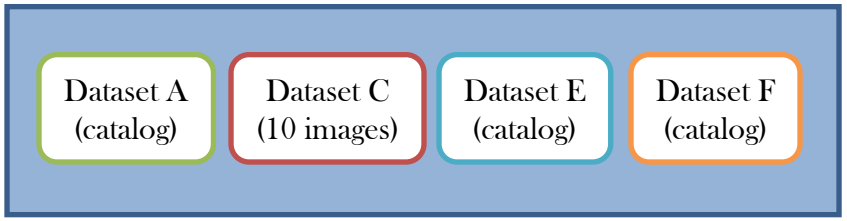
Search Engine Process



Extract level 1 : Using 1 keyword

Landsat

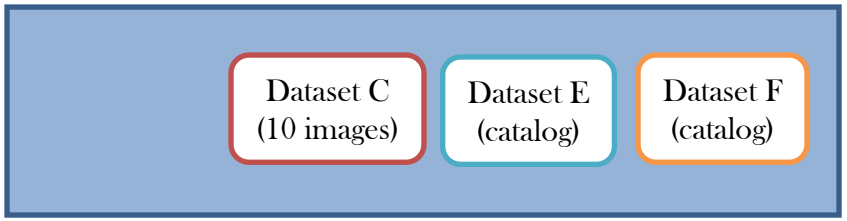
SEARCH



Extract level 1 : Using 2 keywords

Landsat 2007

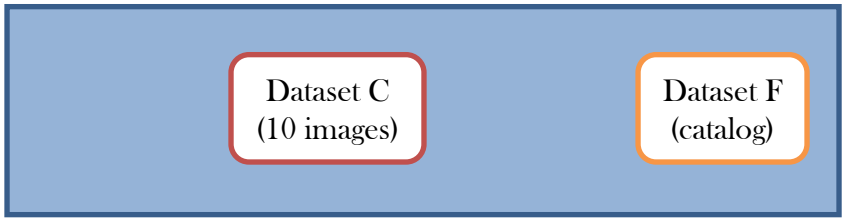
SEARCH



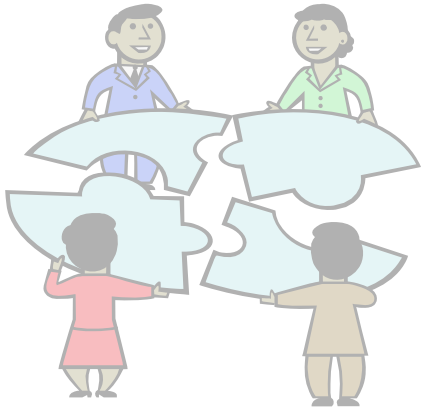
Extract level 1 : Using 3 keywords

Landsat 2007 Vietnam

SEARCH



Question ?
Comment/ Suggestion



PUT TOGETHER FOR HIGHER BENEFIT