

How to Register and Use Metadata

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1. Definition of Metadata

metadata

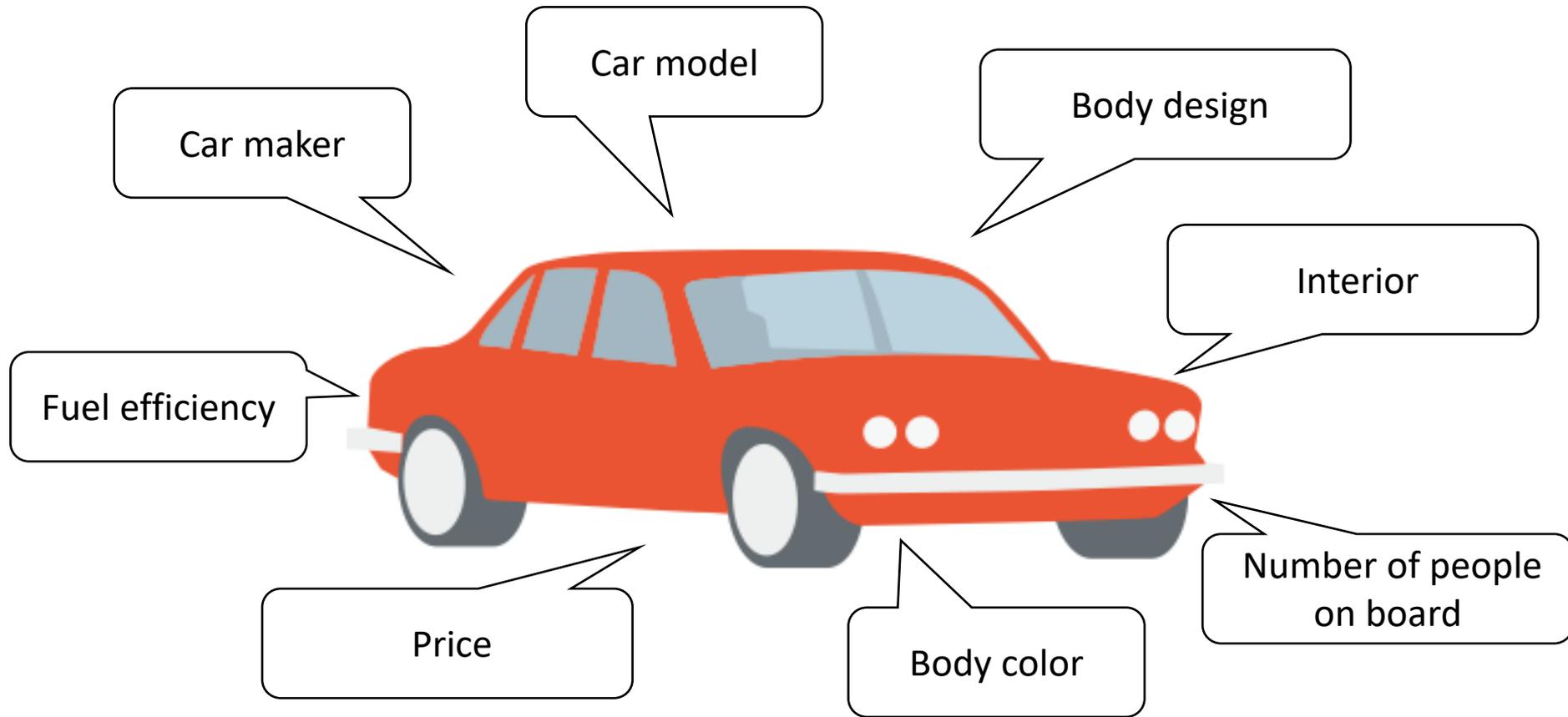
information about a resource

meta-

beyond or at a higher level

example: metalanguage (the language used to describe language)

2. Example: Metadata of Car



Search at car dealer, etc.

3. Example: Metadata Registration of NSDI-PF

NSDI Beta Layers Maps Documents Organizations NEWS Search layer/map/doc language

Allowed layer types Explore Layers

Vector Layer / Zipped Vector Layer : .shp .shx .dbf .prj Open Street Map Layer : .osm Data Layer : .csv Raster Layer : .tif

*** Title of Data Layer**
test

*** Organization for Sharing Data**
search organization

- Organization Hierarchy
 - Government
 - Private
 - Autonomus

*** Select Category**
None

*** Select uploaded file type**
.shp .shx .dbf .prj

*** Marked fields are mandatory**
(*) Marked fields are mandatory for layer to push for approval

Editing details for geonode:changerivercoastline

Update

Owner
hatori

*** Title**
ChangeRiverCoastLine

Date

Clearinghouse function will be improved in NSDI-PF.

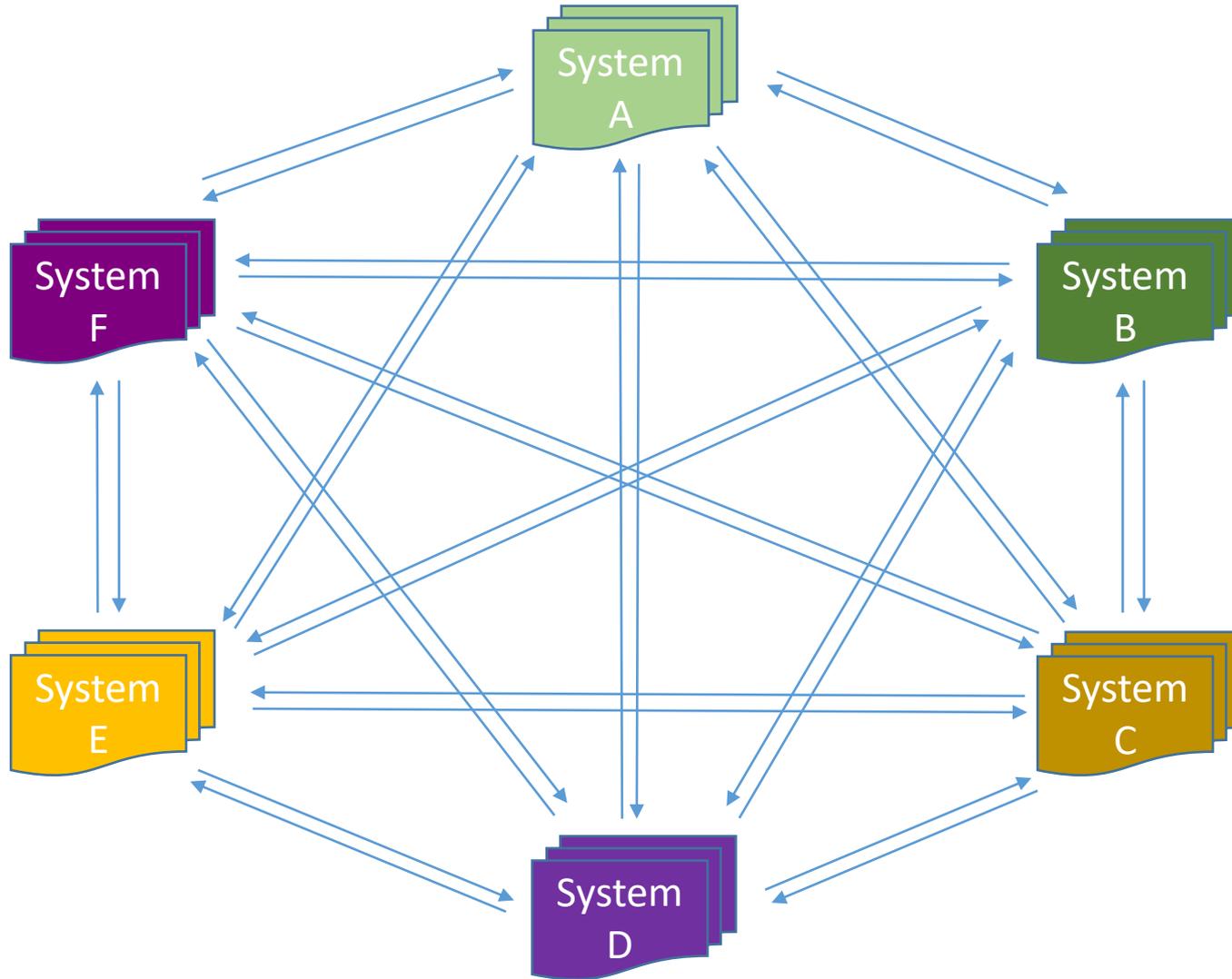
4. Clearinghouse: Search Function of Metadata

Search layers, maps, documents, organization and user by free word, organization name and category

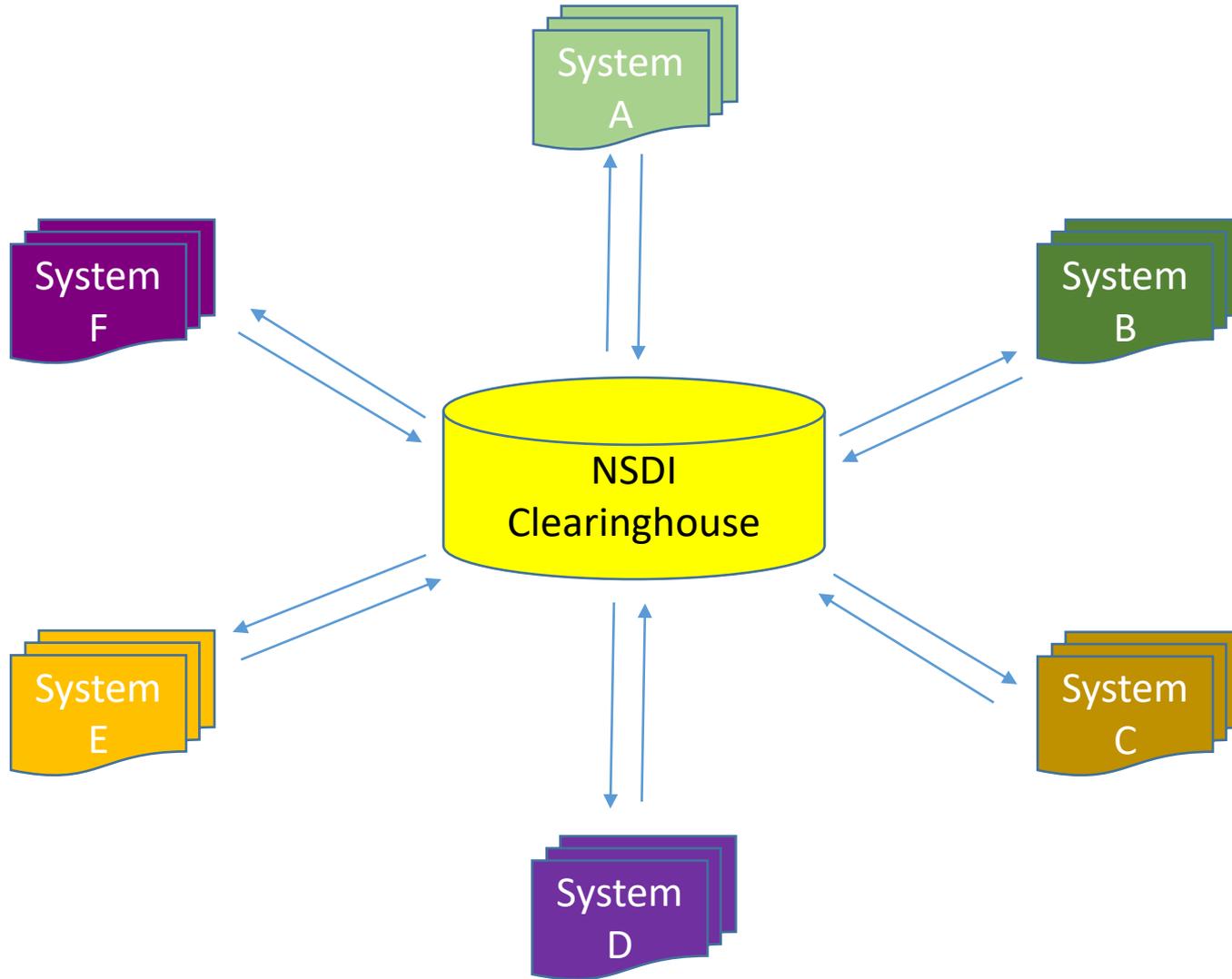
The screenshot displays the NSDI Beta website interface. At the top, there is a navigation bar with the NSDI logo and a 'Beta' badge. The main menu includes 'Layers', 'Maps', 'Documents', 'Organizations', and 'NEWS'. A search bar is located in the top right corner, with a dropdown menu showing 'Search layer/map/doc'. Below the navigation bar, the 'Explore Layers' section is highlighted with a red dashed border. This section contains a search input field, a search button, and two dropdown menus for 'All Organization' and 'All Category'. To the right of the search area, there are filters for 'Most Recent', '100' items, and an 'Upload Layer' button. The main content area shows three layer cards. The first card is titled 'This is a test layer' and is categorized as 'Administrative'. The second card is titled 'River - Sylhet' and is categorized as 'Water Bodies'. The third card is titled 'Catchment_WARPO_2016' and is categorized as 'Inland Waters'. Each card includes a thumbnail image, a title, a category, a description, and metadata such as the user who created it, the creation date, and the number of views and shares.

Clearinghouse function will be improved in the NSDI-PF.

4. Mutual Search of Geographic Data without NSDI



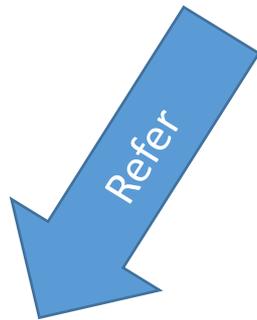
5. Mutual Search of Geographic Data with NSDI



Guidelines for DPS, Data Quality, Metadata

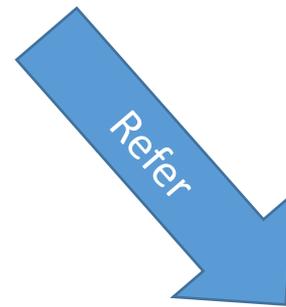
Guidelines for Data Product Specifications

Rules of how to develop the DPS



Guidelines for Metadata

Mandatory items,
Optional Items,
etc.



Guidelines for Data Quality

Categories of data quality,
How to evaluate the data
quality, etc.