



Canada

Role of standards: connecting data, systems and people

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www.themimu.info

SuZeeYar: Myanmar Spatial Data Platform Conference

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Interoperability

“Interoperability seems to be about the integration of information.

What it’s really about is the coordination of **organizational behavior.**”

David Schell, CEO and Chairman Open Geospatial Consortium (OGC)

Interoperability

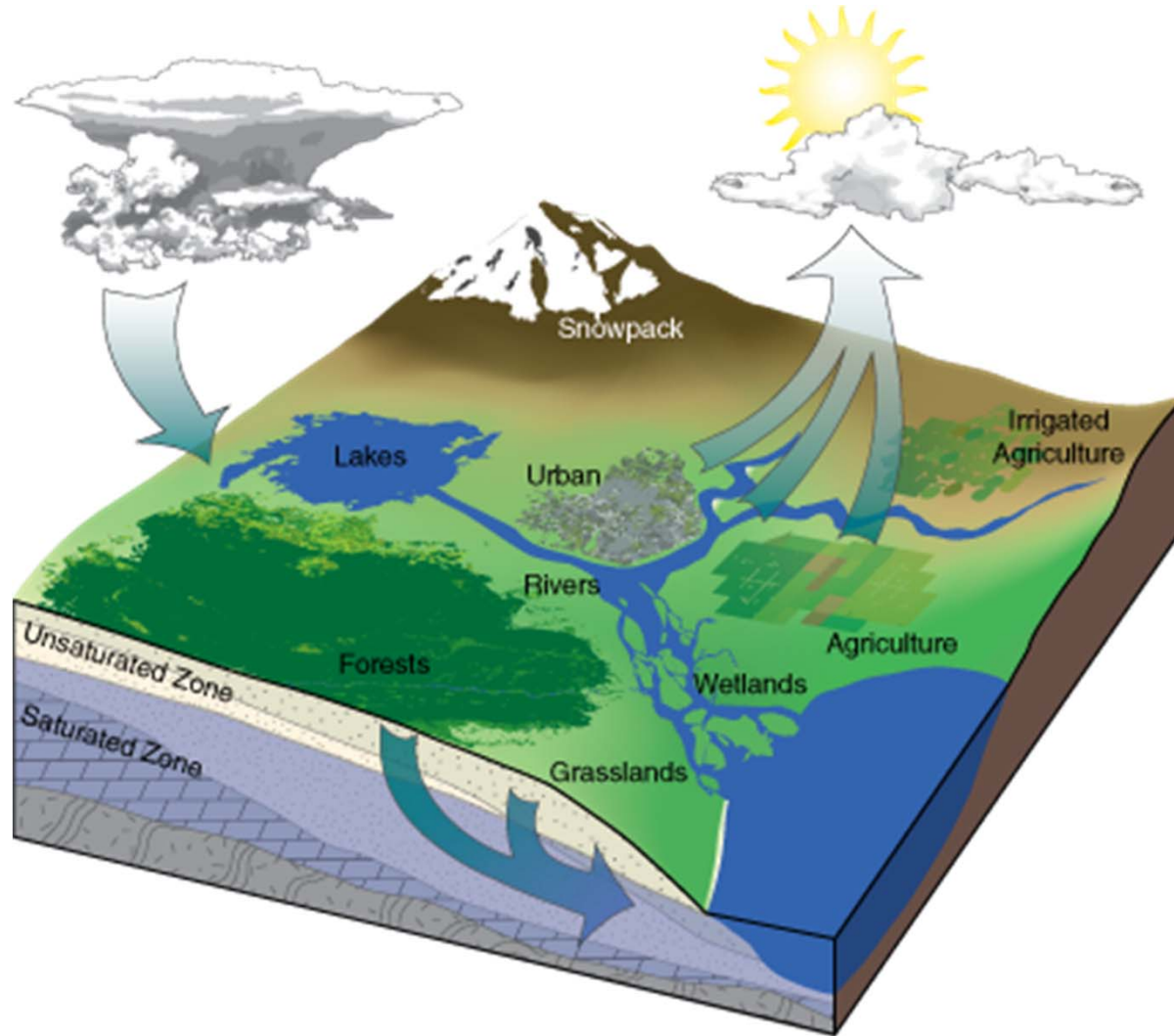
MIMU



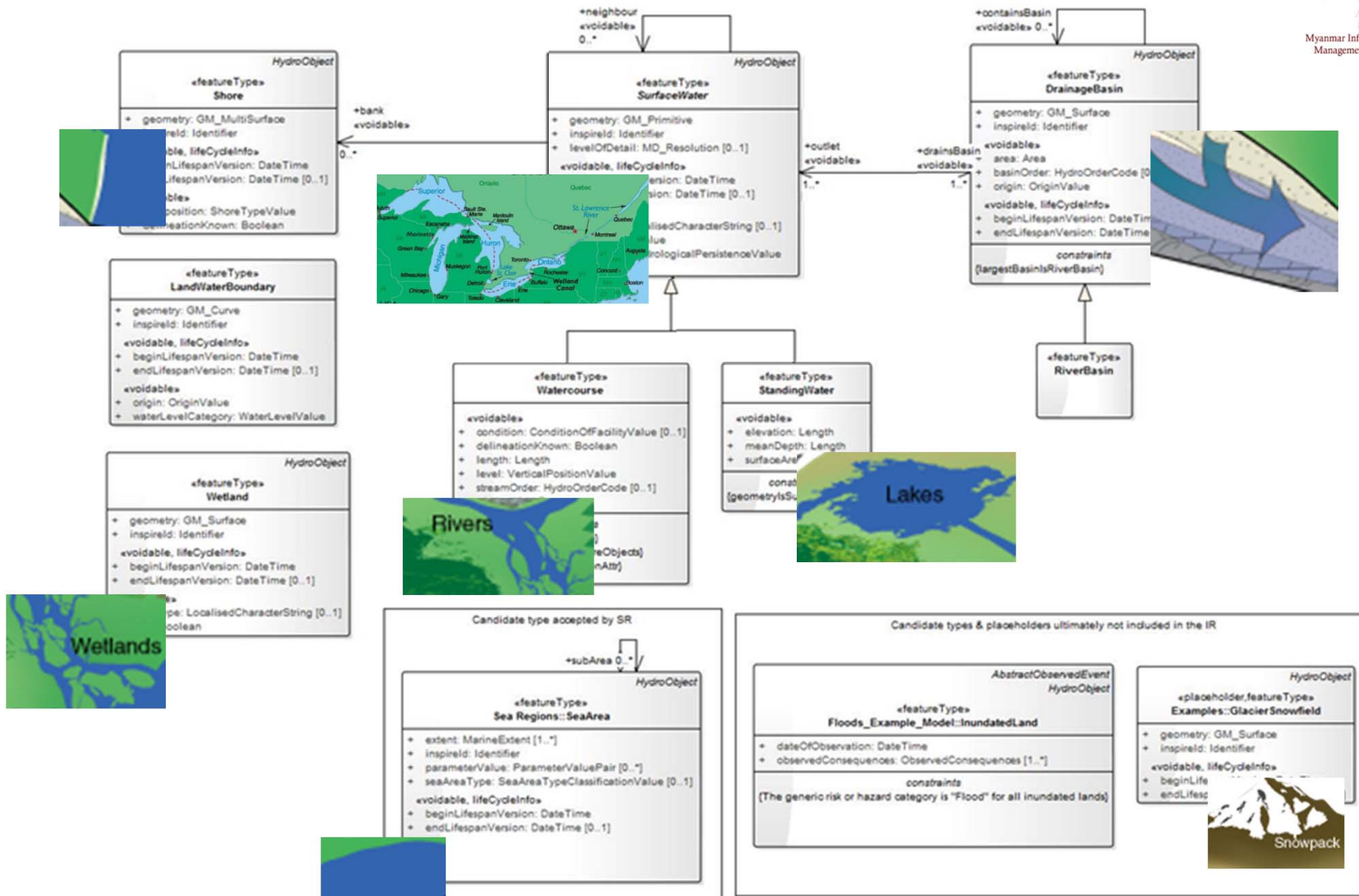
Myanmar Information
Management Unit



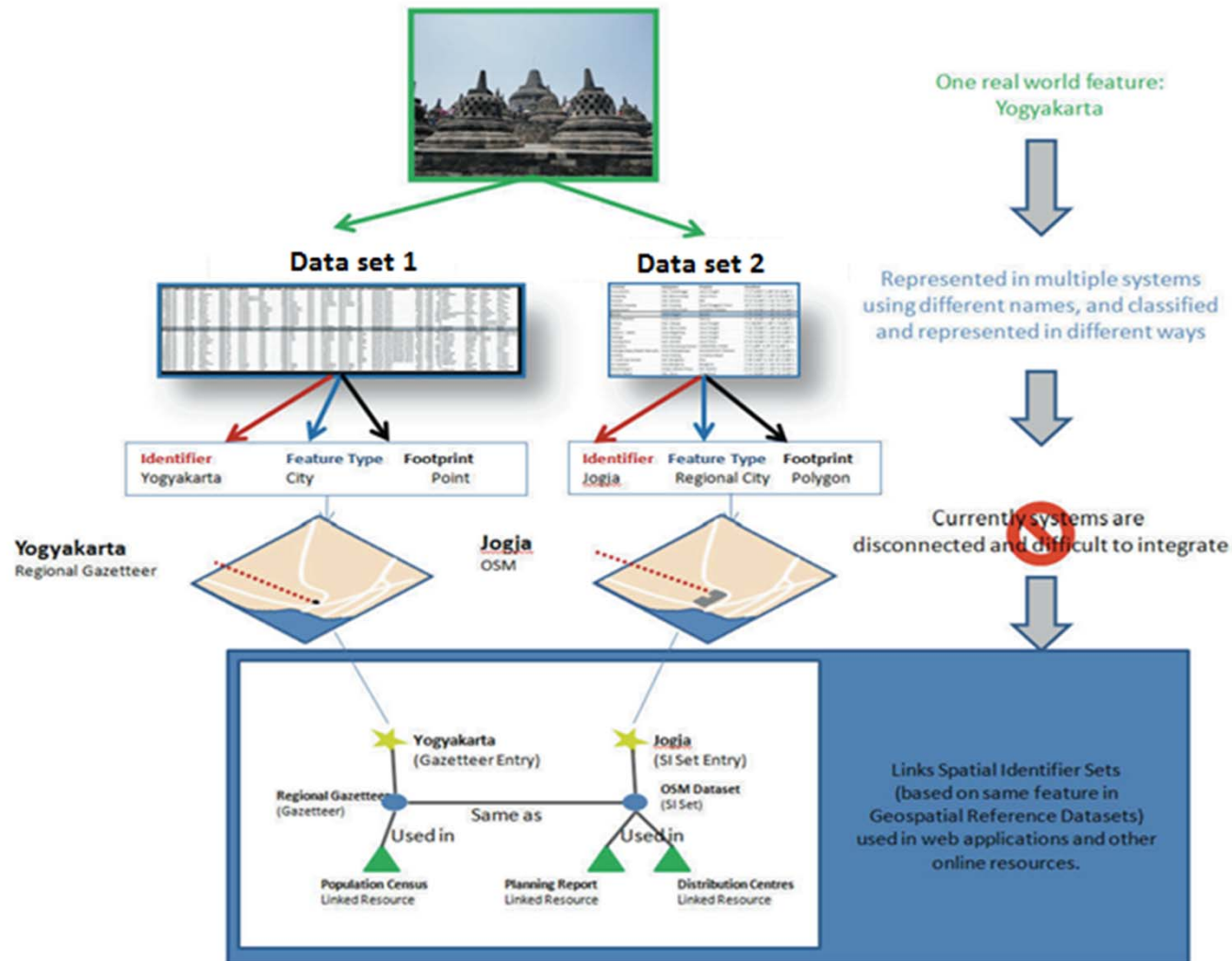
Conceptual model - physical



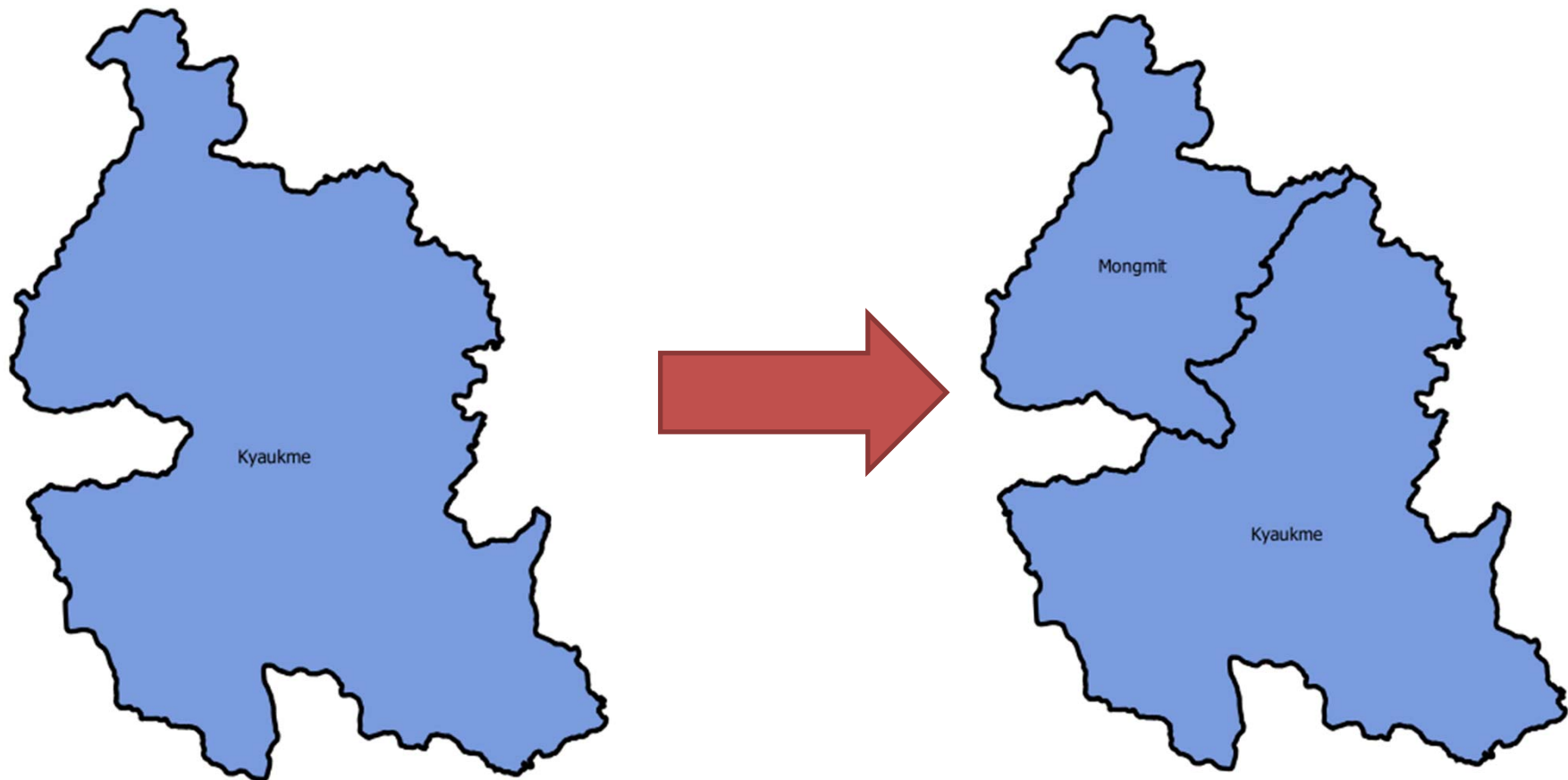
Conceptual model - data



Metadata – location identity

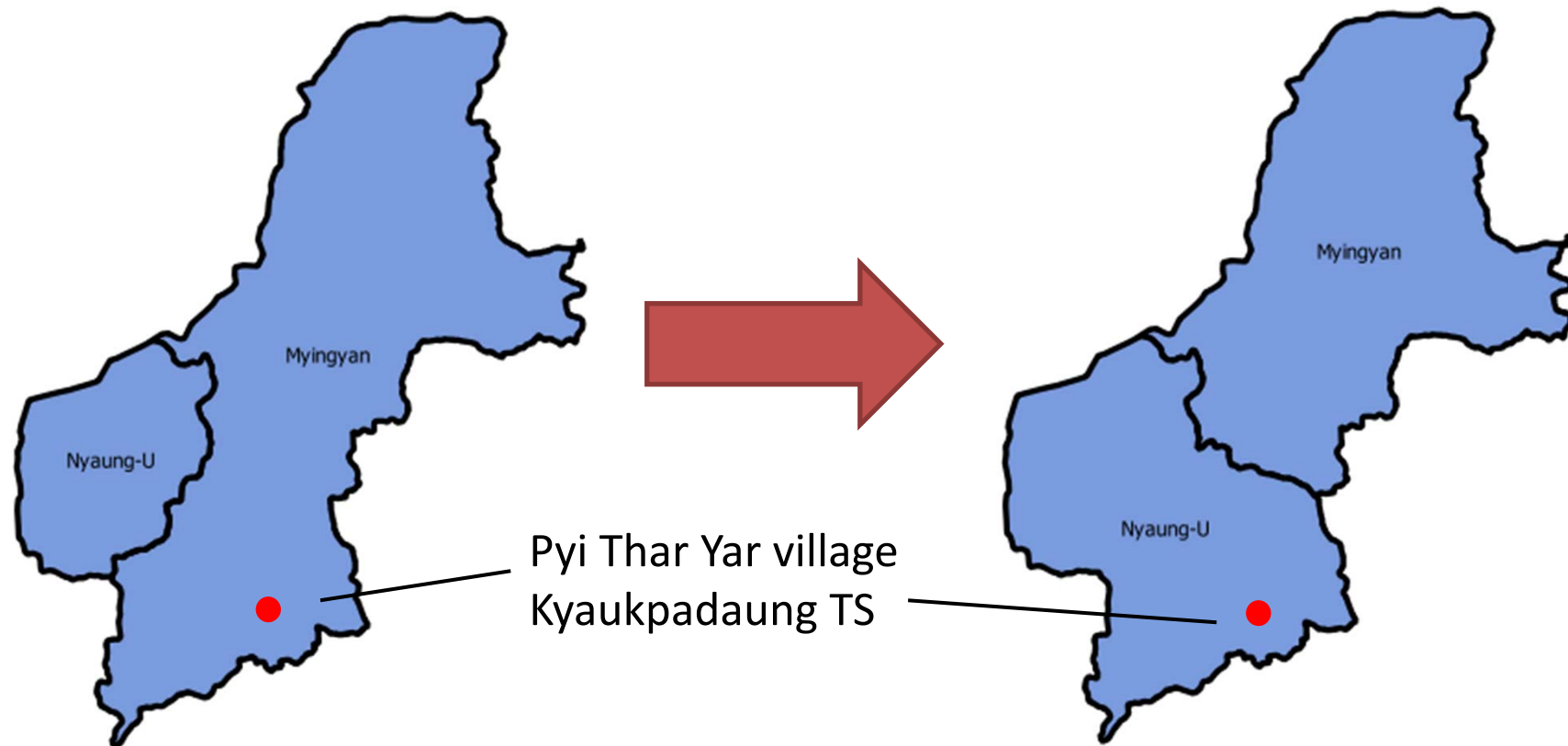


Example – District identity changes



New district created

Example – District identity changes



Coding standard to support identity change over time

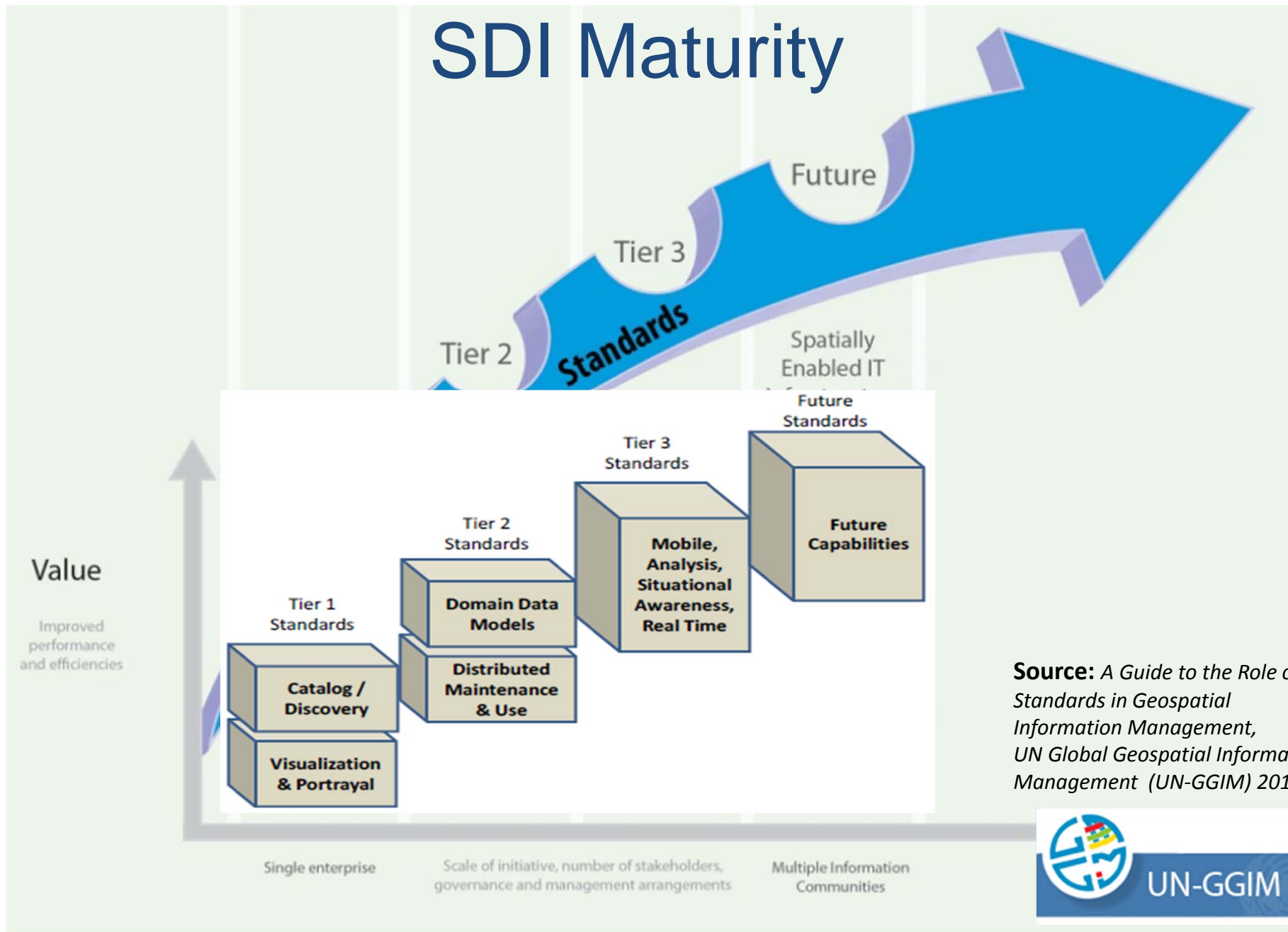
Metadata for GIS

- Data about data
 - Description
 - Dates Created/Updated/Deprecated
 - Source
 - License and restrictions
 - Contacts
 - Linked resources, etc
- Makes it easier to find, understand and use data

Metadata standards for GIS

- International standards
 - OGC (Open Geospatial Consortium/ ISO TC211)
Geospatial standards including metadata standard ISO19115
 - FGDC (Federal Geographic Data Committee) -US
standard common in ESRI products
- Software applications to catalogue metadata
 - Can be published through standards e.g. CSW
(Catalog Service for the web)

SDI Maturity



<http://geonode.themimu.info/>

The screenshot shows a web browser window with the URL `geonode.themimu.info`. The page features a dark navigation bar with the MIMU logo, menu items (Layers, Maps, Documents, People, Groups), a search bar, and a user profile icon. The main content area has a dark red header with the title "MIMU Geonode" and a description: "GeoNode is an open source platform for sharing geospatial data and maps. If you have any questions about this service, please contact info.mimu@undp.org. Need help? [Getting Started](#)". Below this, three statistics are presented: "46 Layers" (with a diamond icon), "5 Maps" (with a location pin icon), and "2 Users" (with a person icon). Each statistic includes a brief description and a button to explore further (e.g., "Add layers »", "Create maps »", "See users »"). The footer contains the text "Powered by [GeoNode version 2.4b27](#) | [Developers](#) | [About](#)" and a language dropdown menu set to "English".

Explore Layers - GeoNode

geonode.themimu.info/layers/?limit=5&offset=10

MIMU Layers Maps Documents People Groups Type your search here Sign in

Explore Layers

Upload Layers

Your selections [Clear all filters](#)

TEXT

Enter your text here ...

TYPE

Raster 3

Vector 46

CATEGORIES

KEYWORDS

OWNERS

DATE

REGIONS

EXTENT

Total: 49

Most recent Less recent A-Z Z-A Most popular

Myanmar District Boundaries

Boundaries by mimu

District boundaries for Myanmar (polygons). Place names from GAD with transliteration by MIMU. Boundaries by MIMU.

1 Apr 2014 | 45 | 0 | 0 | Create a Map

State and Regions of Myanmar

Boundaries by mimu

This file is the highest level administrative unit polygon for Myanmar. Polygon of Myanmar state and regions. Place names from GAD with transliteration by MIMU. Boundaries by MIMU with WFP input.

1 Apr 2014 | 148 | 0 | 0 | Create a Map

Ayeyarwady Region Village Tract Boundaries

Boundaries by mimu

Village Tract boundary for the Ayeyarwady Region (polygons). Place names from GAD with transliteration by MIMU. Boundaries by MIMU.

1 Oct 2013 | 110 | 0 | 0 | Create a Map

Europe

Africa

South America

The screenshot shows a web browser window with the address bar displaying 'geonode.themimu.info/layers/geonode%'. The page title is 'geonode:state — GeoNode'. The browser's address bar contains a search field and navigation icons. The page header features the MIMU logo and a menu icon. The main content area is titled 'Edit Metadata' and includes a blue 'Update' button. Below this, the text 'Editing details for geonode:state' is displayed. The 'Update' button is followed by the 'Owner' field, which shows 'MIMU-GIS'. The 'Title' field contains 'State and Regions of Myanmar Unicode'. The 'Date' field shows '2015-07-21 07:41'. The 'Date type' field is set to 'Publication'. The 'Edition' field contains 'December 2014'. The 'Abstract' field contains the text 'This file is the highest level administrative unit polygon for Myanmar.' A blue 'Explore Layers' button is located in the top right corner of the main content area.

Metadata includes

- Owner
- Title
- Date
- Date type
- Edition
- Abstract
- Purpose
- Maintenance freq.
- Regions
- Restrictions
- License
- Language
- Spatial rep. type
- Temporal start
- Temporal end
- Distribution URL
- Keywords
- Category
-

MIMU Activities

- Collaboration with a range of partners
- Facilitating sharing of best practice
- Support for National Spatial Data Platforms
 - Experience in Coding systems in MMR
 - Technical assistance to OneMap
 - Capacity building to Government departments, the Academic sector and agencies
- Technical support and capacity building for national as well as local initiatives

Questions?



THANK YOU

MIMU



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