

2011 CDNL-AO

CJKDLI Metadata Registry

May 17, 2011

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The National Library of Korea

Who am I?

Jinho, PARK

- Senior Researcher of The National Library of Korea (2007 ~)
- Korea Working Group Leader of CJKDLI (2010 ~)
- ISO TC 46/SC 9 Korea Secretary (2007 ~)
- DCMI System Manager (2009 ~)
- Member of Korea Web Science Workgroup (2009 ~)
- Areas of Research Interests: Digital Archiving (Preservation), Information Literacy, Web Science (Metadata, Linked data)

This is a seceond presentation

Are We Communicating Effectively?

CJKDLI Metadata Registry

2011 CEAL Conference

March 30, 2011

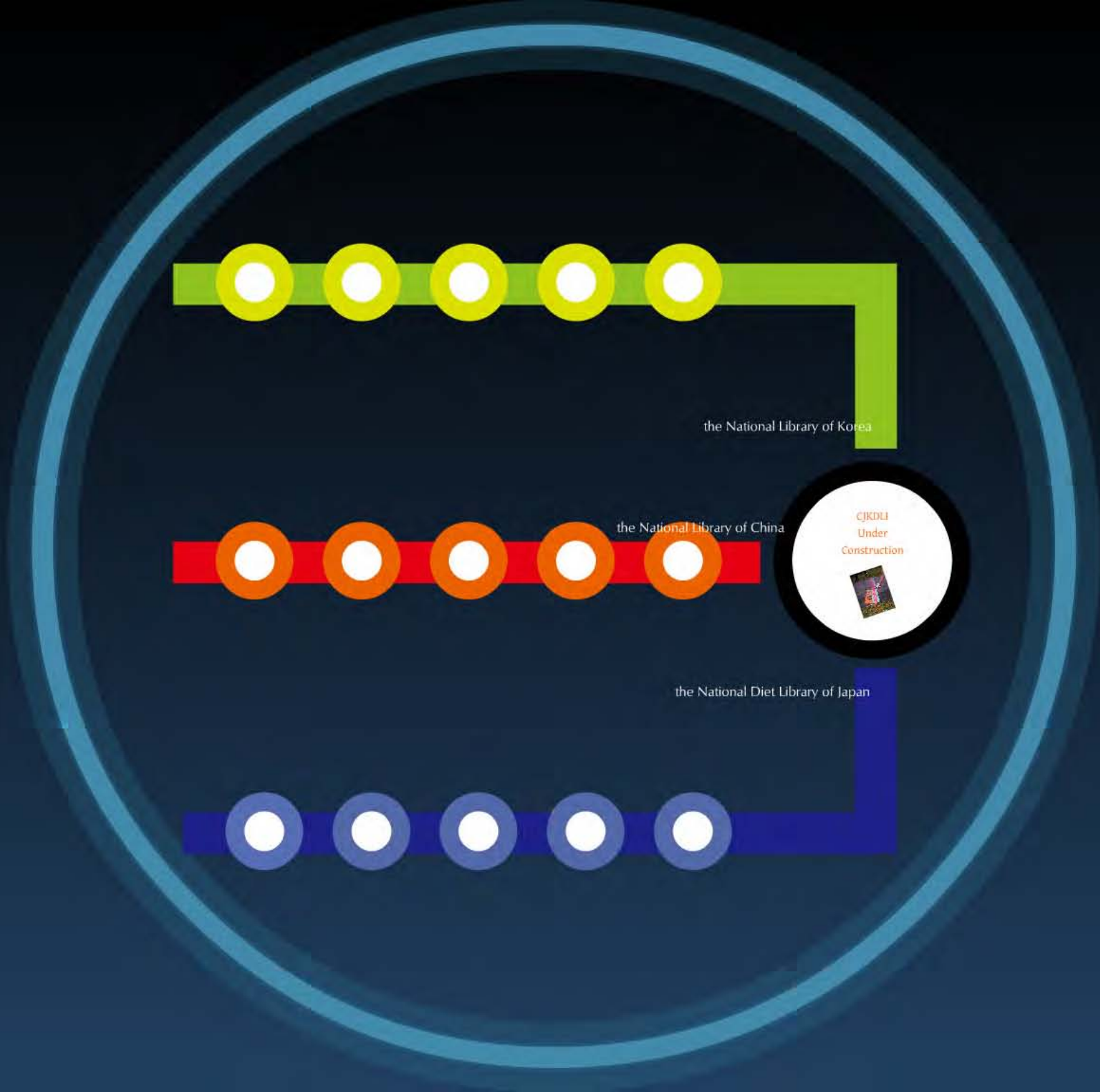
History of CJKDLI

- **October, 2008: The National Diet Library, Japan**
Discussion about metadata interoperability, digital archiving, standardization.
- **October, 2009: WLIC, Italia**
Representatives from 3 countries (Directors & Vice-Directors) agreed about the necessity of the Asian Digital Library Project.
- **June, 2010: The National Library of Korea**
Contents of CJKDLI Agreement was finally agreed.
- **August, 2010: WLIC, Sweden**
CJKDLI Agreement was concluded and signed.
- **May or June, 2011: The National Library of China**
1st CJKDLI Working Group Meeting will be held.

CJKDLI Metadata Registry

The Objectives of the China-japan-Korea Digital Library Initiative are to provide easy integrated access on the Internet to the cultural and scientific heritage of the three countries, to enable people to discover rich multilingual and culturally diverse contents and to contribute to the academic world.

The China-Japan-Korea Digital Library Initiative (CJKDLI) is intended to enrich oriental culture, promote the cultural diversity of Asia and contribute to Asia and world civilization.



the National Library of Korea

the National Library of China

the National Diet Library of Japan

CJKDLI
Under
Construction






WORLD
DIGITAL LIBRARY



europaana

Kultur. Denken.



Digital Library which contains
Asian Digital Heritage?

Providing the information of
Asian national Libraries?

That's not enough.

why

Good Communication





Metadata

How

Metadata Standardization

Building Ontologies



Double Cost for interoperability
Authorities of CJK

Not enough for Asian resources

Dublin Core for interoperability Authorities of CJK

Not enough for Asian resources

Fundamental way

ISO/IEC 11179 MDR

ISO/IEC 11179 specifies the kind and quality of metadata necessary to describe data, and it specifies the management and administration of that metadata in a metadata registry (MDR). It applies to the formulation of data representations, concepts, meanings, and relationships between them to be shared among people and machines, independent of the organization that produces the data. It does not apply to the physical representation of data as bits and bytes at the machine level.

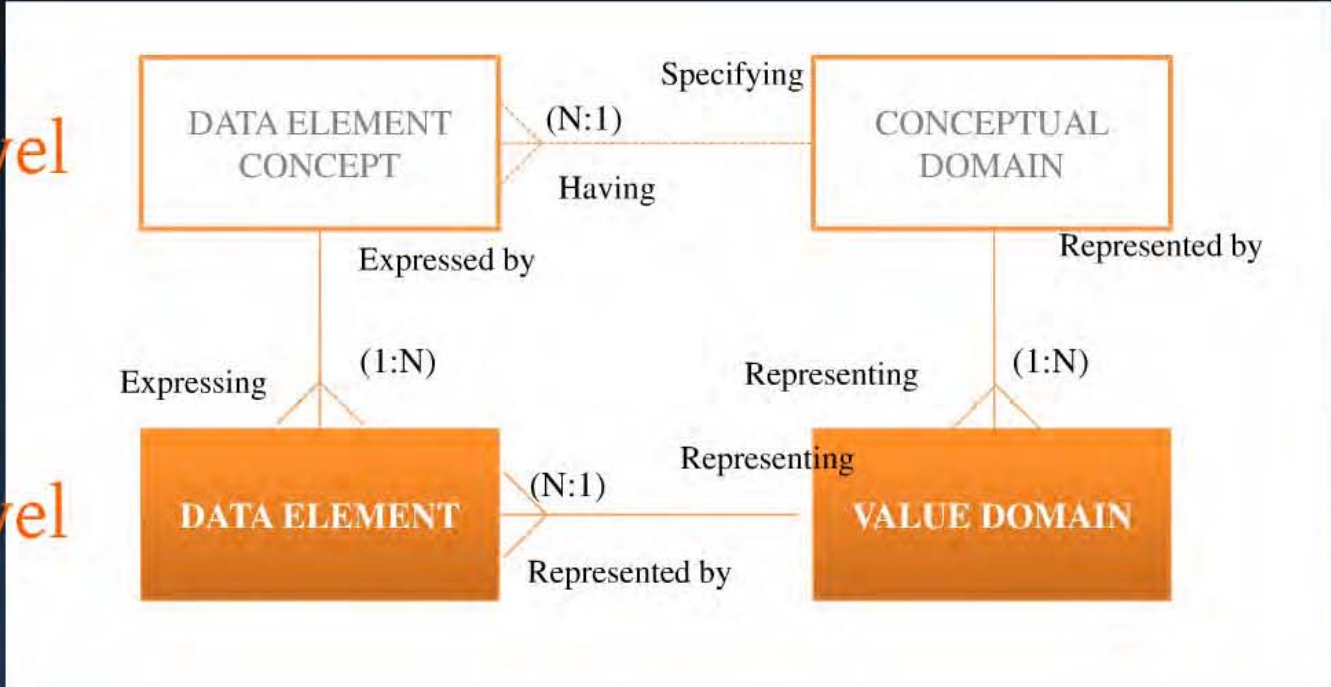
In ISO/IEC 11179, metadata refers to descriptions of data. ISO/IEC 11179 does not contain a general treatment of metadata. ISO/IEC 11179-1:2004 provides the means for understanding and associating the individual parts of ISO/IEC 11179 and is the foundation for a conceptual understanding of metadata and metadata registries.

Basic Principle

Metadata is also data

Overview Model for ISO/IEC 11179 Metadata Registry

Conceptual Level



Representational Level

love face hand
sea city universe
apple birds food

Book ?

love hate hamlet

Seoul city universe

Apple birds food





Wagner Brown Robert2@stanford.it



bird of good luck
bird of bad luck

This is just an example.

To manage concepts in the minds of people is very difficult.

Establishing MDR by the rules ISO 11179

Another metadata to control such metadata

First,
analyzing the existing MARC and metadata of cJK and then making
a crosswalk table for them.

Three different languages



Three different views of the world
It is a new perspective!!

An aerial photograph of a road, likely a highway or expressway, showing multiple lanes and a median. The road is surrounded by greenery and some structures. The text is overlaid on the road surface.

Three different views of the world

It is a new perspective!!

Let's back to the basics!



Librarian

Not Inputter

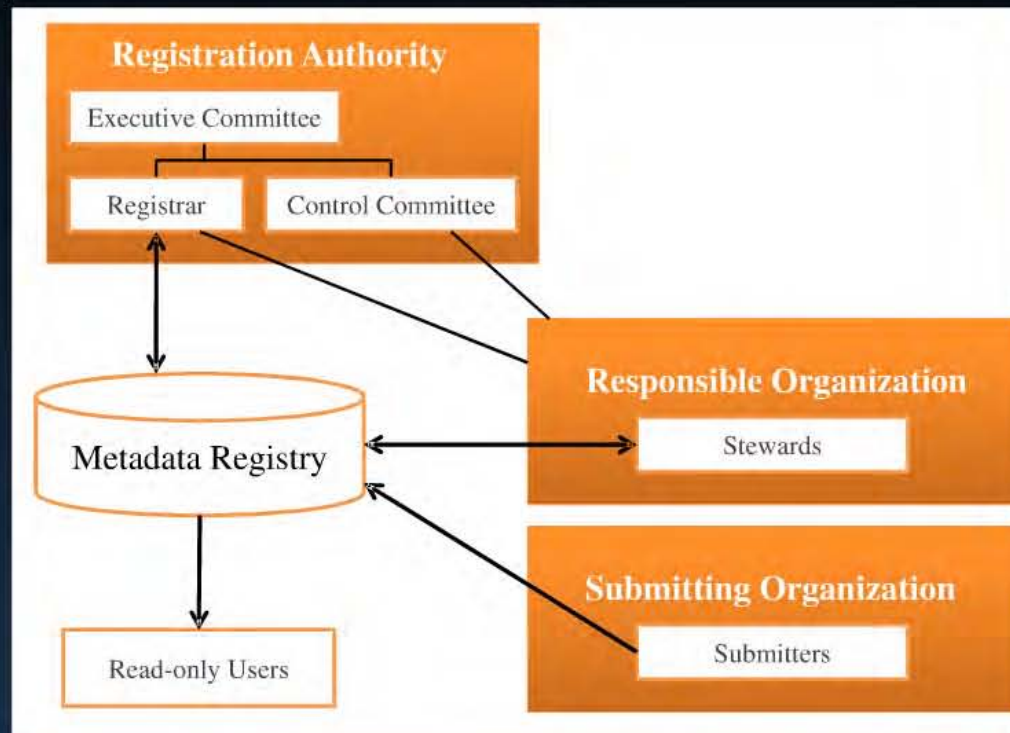
Concept Organizer

Establishing MDR by the rules ISO 11179

Asian philosophy is required to fill MDR

Library as a data platform

Library as a data platform



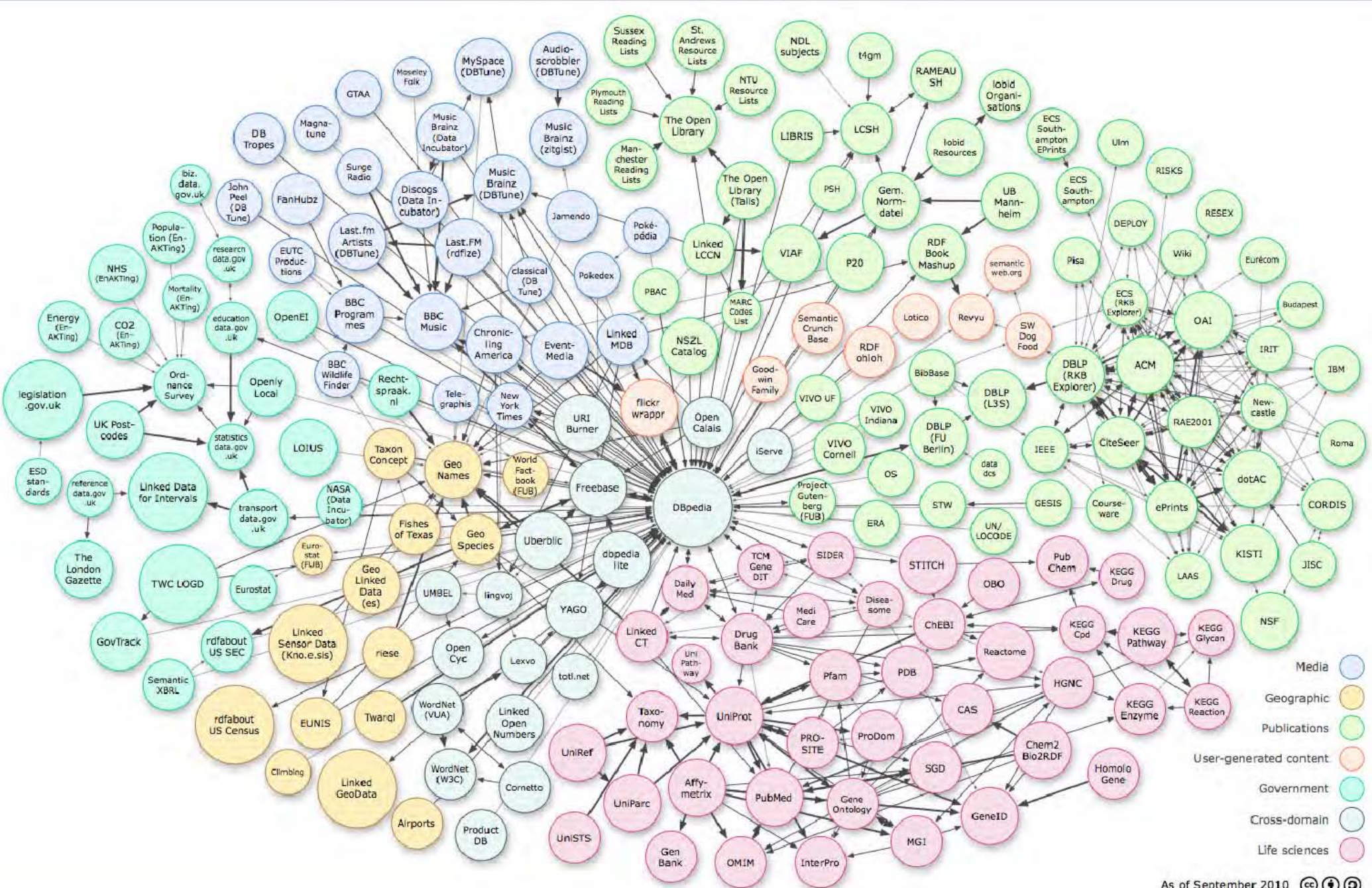
ISO11179 Part6: Registration

CJKDLI Development procedure
from representation layer to conceptual layer

IT megatrend

Platform

Web of platform
Cloud Computing(IaaS, PaaS, SaaS)
Open Vs Closed Platform



Library as a data platform

Library data platform is trustworthy.



CJKDLI?

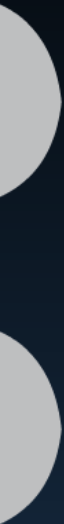
To provide a new look at the history
of the world and the philosophy of life

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To presents A new point of view to users
To see the world view AND philosophy of ASIA

For CJKDLI, the conceptualization and modeling of Asian philosophy should be reflected in its information resource management system



For CJKDLI, the conceptualization and modeling of Asian philosophy should be reflected in its information resource management system.



[Reference]

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Thank you very much.

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