国立国会図書館
National Diet Library Japan

NDL Search
—future development—

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NDL Search: overview (1)

http://iss.ndl.go.jp/

NDL Search: overview (2)

- An **integrated search system** for library materials in all formats at the **NDL and other institutions,** and covering **metadata for 120 million items** in 100 Databases

- **Provider of metadata through API**

NDL Search : key issues

Promoting effective expansion of linkage to NDL Search

contributing to the creation of a national integrated portal site as well as serving as a national platform for distribution of metadata

NDL Search Linkage Expansion Action Plan (FY2015-2019)

Action plan : target

1. **All publications** and their equivalents **in Japan**
2. **Metadata for digital contents, printed publications, and reference resources** from academic institutions, GLAMs and other public institutions

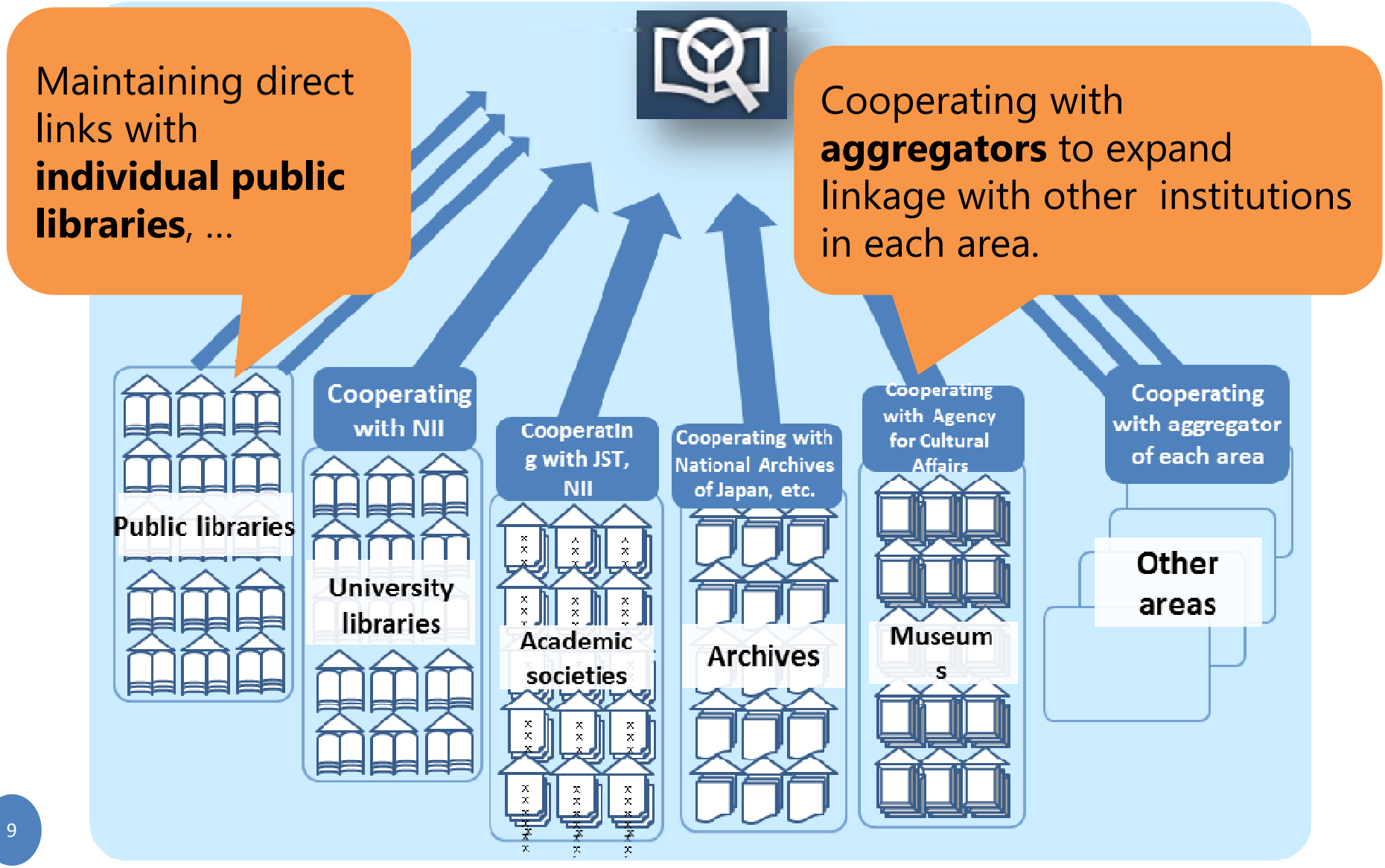
Action plan : policy

This policy prioritizes:

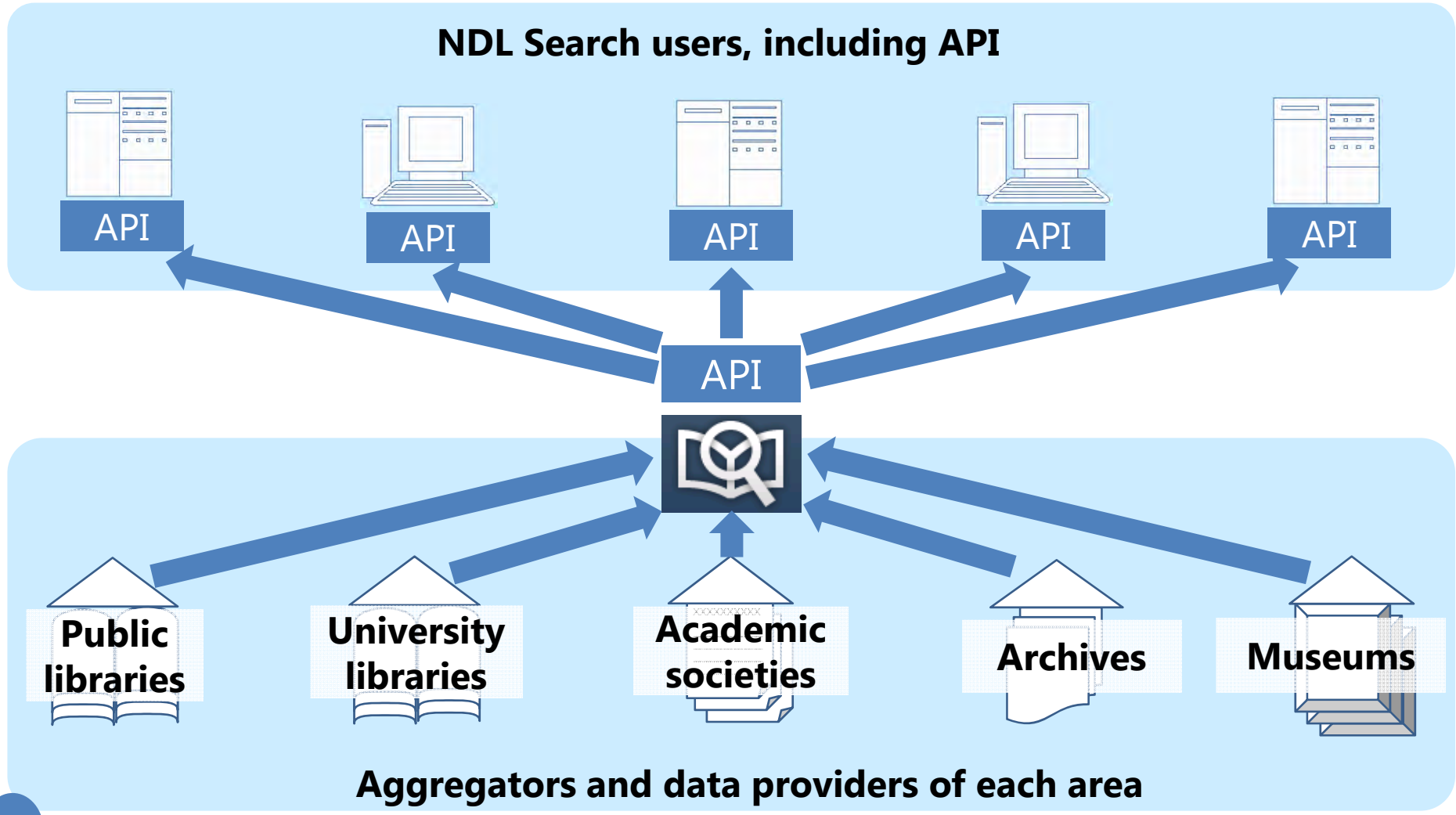
1. **Content that is useful and easy-to-access for the general public**

2. **API-compatible systems**
   (DC- NDL (RDF) is recommended.)
3. **Aggregators** rather than individual data providers

Concept diagram for future linkage



The role of NDL Search in metadata distribution



API

Easy access to NDL Search metadata via its API

- NDL Search is compliant with the following protocols:

protocol for metadata harvesting	protocol for metadata searching
OAI-PMH	**SRU, SRW, OpenSearch**

- NDL Search provides metadata in the following formats:

	OAI-PMH	SRU	SRW	OpenSearch
DC-NDL (RDF)	✓	✓	✓	
DC-NDL (Simple)	✓	✓	✓	
Simple DC (OAI-DC)	✓	✓	✓	
RSS 2.0				✓

Each format provides a different degree of detail.

Aggregators

- Academia: CiNii Articles, CiNii Books, JAIRO, J-Stage, nihuINT
- Publishing area: JPRO
- Dictionaries/encyclopedias: JapanKnowledge
- Archives: Japan Center for Asian Historical Records
- Museums area: e-Museum, Union Catalog of the Collections of the National Art Museums

Potential aggregators

Potential aggregators include:

- **Cultural Heritage Online (The Agency for Cultural Affairs)**
  http://bunka.nii.ac.jp/
- **ADEAC (A System of Digitalization and Exhibition for Archive Collections)**
  https://trc-adeac.trc.co.jp/

Future prospects

Future prospects of NDL Search

- The **"Intellectual Property Strategic Program 2016"** of the Intellectual Property Strategy Headquarters, at the Prime Minister's Office makes reference to the need to developing a **national integrated portal site**

"Japan Search"

(tentative name)

“Japan Search”

A platform which can…

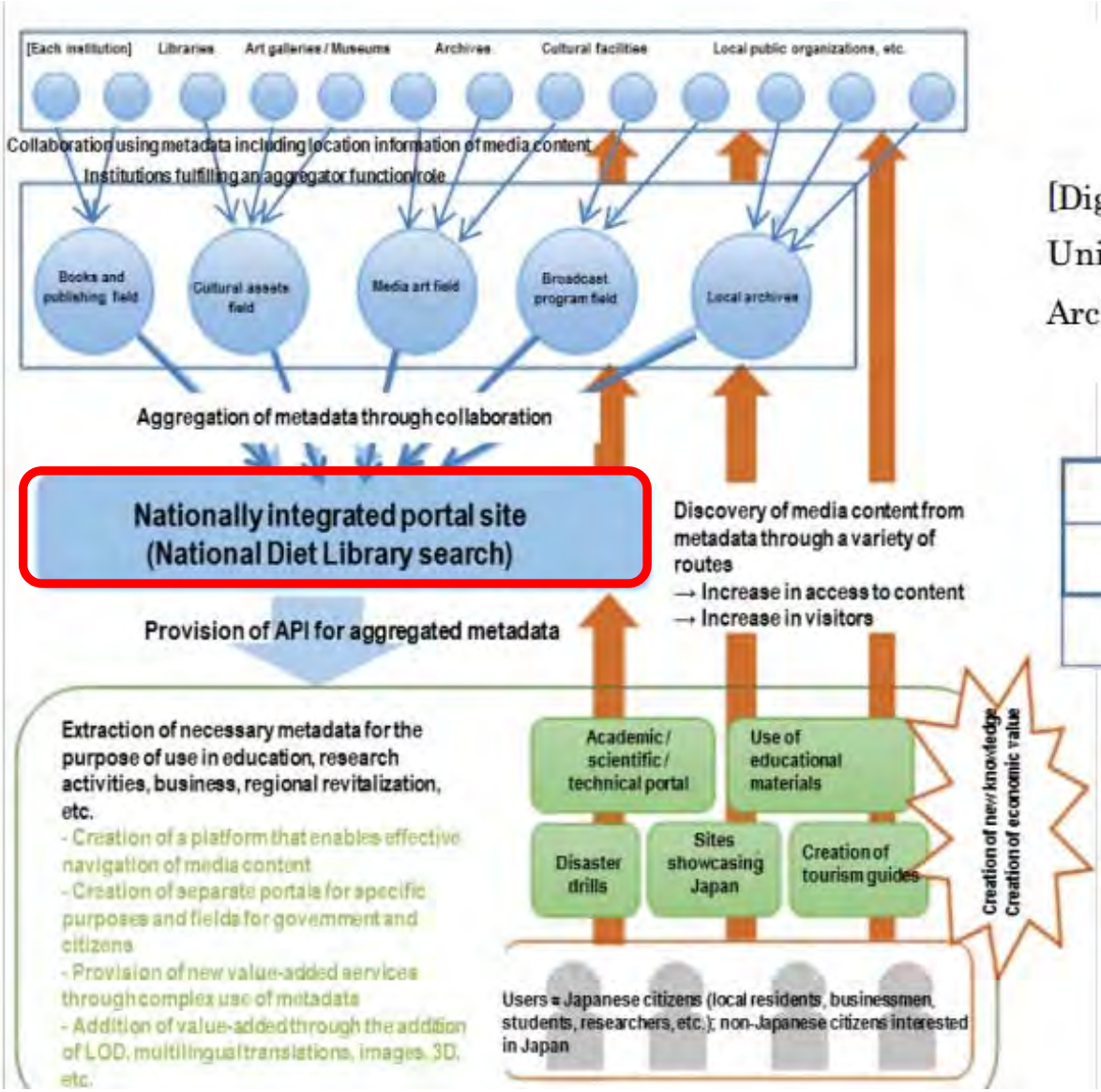
- ✓Distribute and transmit metadata throughout the world (e.g. Europeana, DPLA)
- ✓Provide clear guides to accessing contents of various fields
- ✓Promote utilization of metadata

“Japan Search” is…

- ✓Going to be constructed **based on NDL Search**
- ✓Planned to be open to the public **by 2020**

We will continue to enhance and expand the linkage of the NDL Search!

The Japan Search Concept



[Digital Data Distribution Units Used for Digital Archive Collaboration]

Metadata
Thumbnails / Preview
Source data (content)

Cited from: "Intellectual Property Strategic Program 2016"

Reference

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- Intellectual Property Strategic Program 2016
  http://www.kantei.go.jp/jp/singi/titeki2/kettei/chizaikeikaku20160509_e.pdf
- Search target list (Japanese) http://iss.ndl.go.jp/information/target/
- How to provide data? (Japanese) http://iss.ndl.go.jp/information/renkei/
  - System linkage guideline by WebAPI ver.1.2

  http://iss.ndl.go.jp/information/wp-content/uploads/2014/06/WebAPIguideline_ver.1.2_20140526.pdf
  - NDL Search linkage manual (Japanese)

  http://iss.ndl.go.jp/information/wp-content/uploads/2014/06/renkeimanual_ver.1.0_20140601.pdf
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Thanks for your attention!