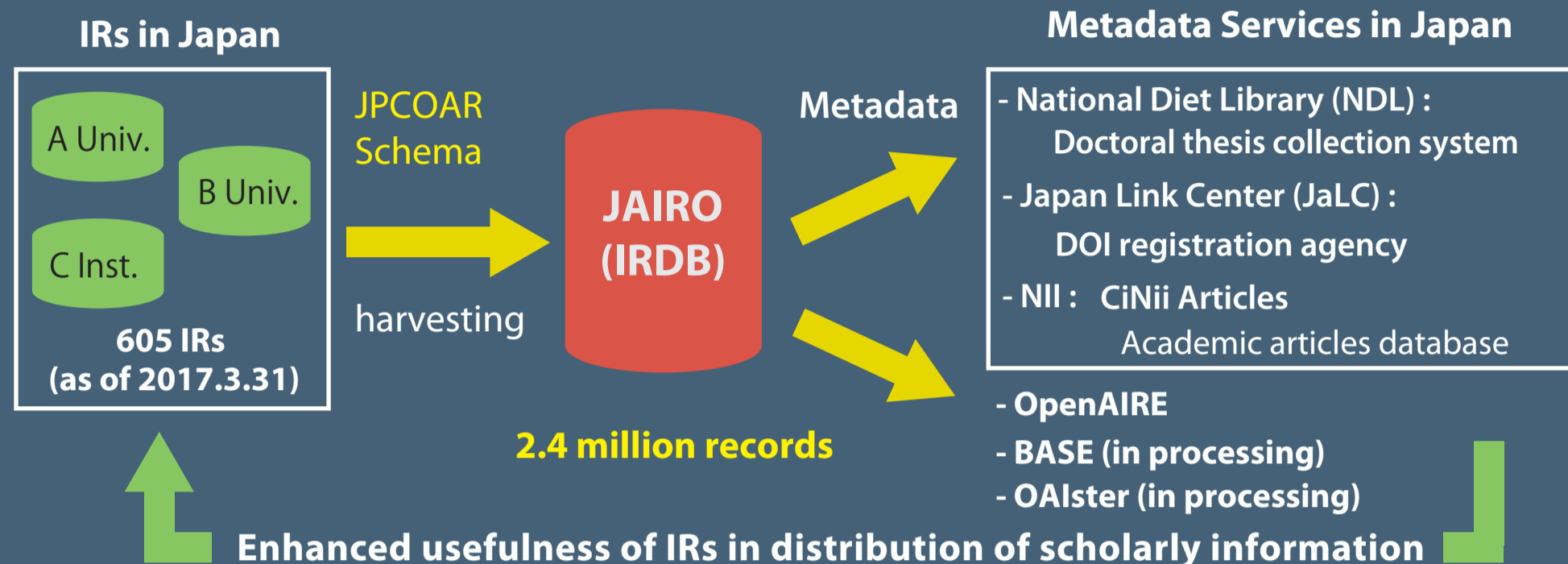


New Japanese Metadata Schema for Open Science

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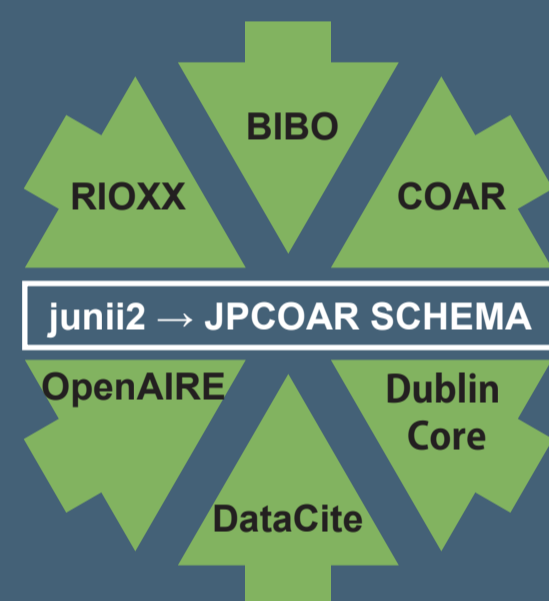
JPCOAR (Japan Consortium for Open Access Repository) is a federation of institutional repositories in Japan. It consists of about 500 academic institutions and promotes Green OA. JPCOAR schema is now developing to make Japanese IR metadata enough compatible with open science and more interoperable internationally.

Vision



Concepts

1. Focusing on interoperability with established international metadata standards
2. Adopting major identifiers (Crossref Funder id, ISNI, ORCID etc)
3. Monitoring compliance with Open Access policies
4. Hierarchizing some elements (creator, fundingReference etc)
5. Enhancement of elements for research data



Properties

1. dc:title	9. datacite:description	17.jpcoar:identifierRegistration	25.bibo:issue
2. jpcoar:creator	10.dc:publisher	18.jpcoar:relation	26.bibo:pageStart
3. jpcoar:contributor	11.datacite:date	19.dcterms:temporal	27.bibo:pageEnd
4. jpcoar:accessRights	12.dc:language	20.datacite:geolocation	28.jpcoar:dissertationNumber
5. rioxxterms:apc	13.coar:resourceType	21.datacite:fundingReference	29.jpcoar:degreeName
6. dc:rights	14.datacite:version	22.bibo:identifier	30.jpcoar:dateGranted
7. jpcoar:rightsHolder	15.openaire:versionType	23.bibo:journal	31.jpcoar:degreeGrantor
8. jpcoar:subject	16.datacite:identifier	24.bibo:volume	32.jpcoar:file

Example of hierarchized elements

```
<jpcoar:creator>
  <jpcoar:nameIdentifier nameIdentifierScheme="ORCID"
    schemeURI="http://orcid.org/0000-0003-2384-2166" >
    0000-0003-2384-2166</jpcoar:nameIdentifier>
  <jpcoar:creatorName xml:lang="ja" > 大隅, 良典
  </jpcoar:creatorName>
  <jpcoar:creatorName xml:lang="en" >Ohsumi, Yoshinori
  </jpcoar:creatorName>
  <jpcoar:affiliation>
    <jpcoar:nameIdentifier nameIdentifierScheme="ISNI"
      schemeURI="http://www.isni.org/0000000121792105" >
      0000000121792105</jpcoar:nameIdentifier>
    <jpcoar:affiliationName xml:lang="en" >
      Tokyo Institute of Technology
    </jpcoar:affiliationName>
  </jpcoar:affiliation>
</jpcoar:creator>
```

Junii2, the current Japanese schema, is not designed for layered elements. So hierarchizing elements with major identifiers for interoperability with international standards is one of our major challenges.

As the example of <jpcoar:creator>, a name expressed both in Kanji characters and in alphabets can be unambiguously identified in the new schema.

Like <jpcoar:creator>, some elements are still left as regional elements corresponding to Japanese scholarly environment.

JAIRO will implement JPCOAR Schema in early 2018.