

ISSN Register as Linked Data

Using Bibframe for Serials and Other Continuing Resources

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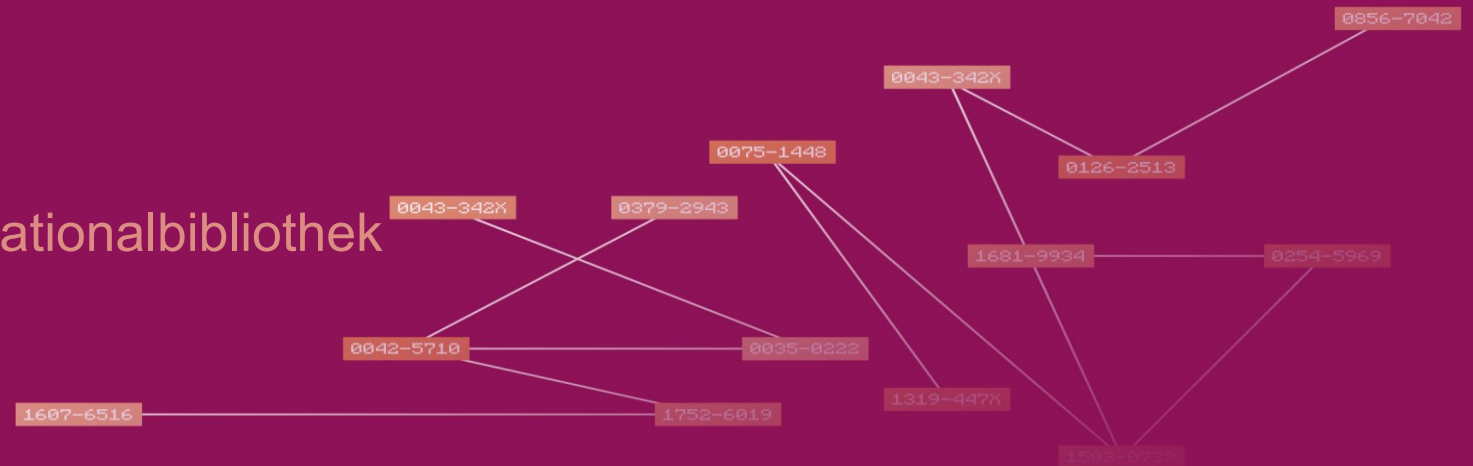
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@ISSN_IC

Workshop Bibframe in Europe

27th September 2017, Deutsche Nationalbibliothek

Frankfurt, Germany





A new Portal for ISSN Data



ISSN REQUESTS

DISCOVER ISSN SERVICES

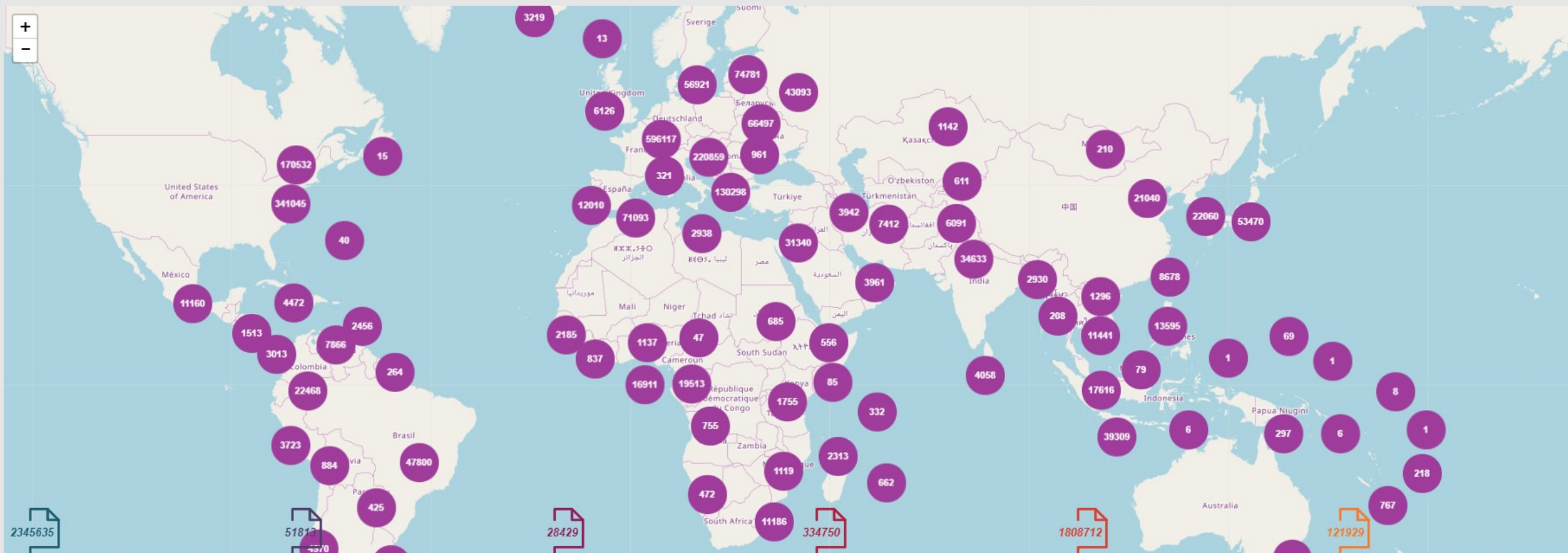
SEARCH OA RESSOURCES

THE ISSN INTERNATIONAL CENTER

ALL, ISSN, Title

Search

[Advanced search](#)



World Africa Arab States Asia and Pacific Europe and North America Latin America and Caribbean

Linked Data Services provided by the new ISSN Portal

- ISSN Register exported in a RDF triplestore
 - Perform enrichment and data computing
 - Access through a SPARQL Endpoint
- Providing ISSN data as Linked Data
 - Individual downloads
 - REST API
 - Content Negotiation on ISSN resource webpage
- Export a subpart of ISSN Register as Linked Open data
 - Essential identification information

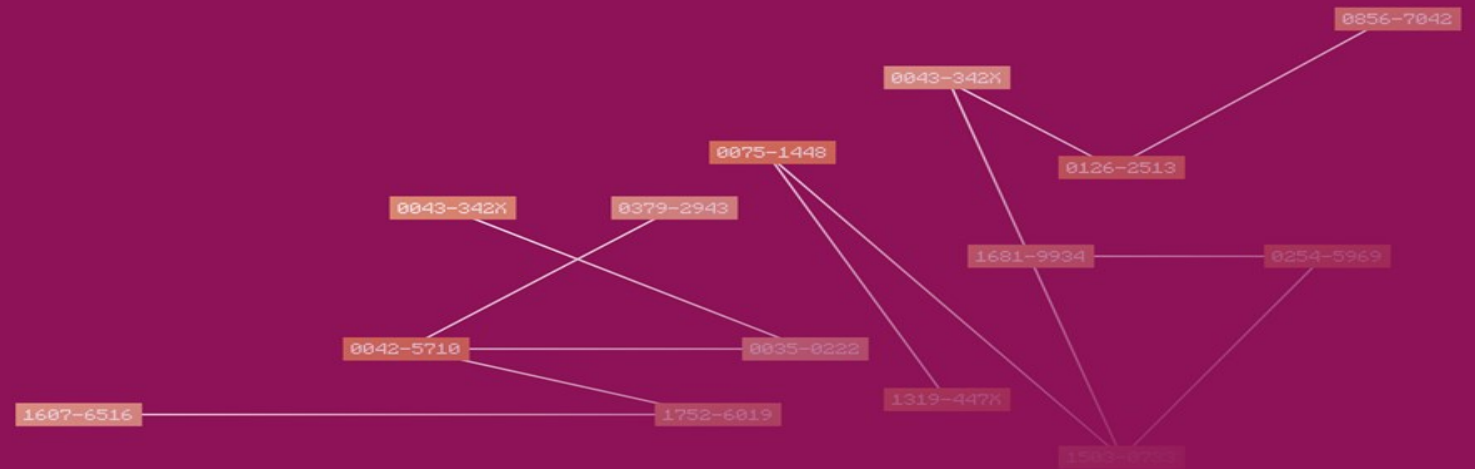
ISSN Linked Data Application profile

- Objectives
 - Consistent with the main library models (especially IFLA-LRM) and adapted to the dynamic nature of continuing resources
 - Flexible enough to accommodate with external information
 - Easily understood and re-used by other stakeholders
- An application based:
 - on schema.org to foster usage by search engines
 - on Bibframe to describe the specificities of the bibliographic universe: title and identifier types, relationships between resources...
 - On other ontologies when needed: DC, PROV-O, MARC21.info...

Implementing Bibframe: Critical issues

- An application profile centered around the “ISSN resource”, not around the “ISSN record”
 - URL pattern: <http://issn.org/resource/issn/1234-5678>
- Bibframe is a FRBR-based ontology
 - But FRBR/LRM does not fit well with continuing resources
 - Each ISSN resource declared as a “bf:Work” AND a “bf:Instance”
 - Classes are not disjoint!
- Key-title (and Abbr. Key Title) both title and identifier
 - i.e. bf:Identifier AND bf:KeyTitle (sub-class of bf>Title)

Thank you for your attention!



High-level view of the data model

