Declaring IFLA ISBD and FRBR family of conceptual models in RDF

Ms Pat Riva, IFLA FRBR Review Group, Chair
patricia.riva@banq.qc.ca
Dr. Mirna Willer, ISBD Review Group, Chair
mwiller@unizd.hr
Overview

✓ Introduction and Background
✓ ISBD and FRBR family: methodology and management of their representation in RDF
✓ Uses
✓ Current FRBR Activities
✓ Conclusion
Introduction and Background

The International Federation of Library Associations and Institutions (IFLA) is the leading international body representing the interests of library and information professionals worldwide. It aims to promote and support the development of high-quality library and information services to all communities, including the global voice of the library and information community.

Core Activities

- **UNIMARC – IFLA UNIMARC Programme**

Sections

- Bibliography
- Cataloguing
- Classification and Indexing
- Information Literacy
- Information Technology
- Knowledge Management
- Libraries for Children and Young Adults
- Library Services to Multicultural Populations
- Library Services to People with Special Needs
- Literacy and Reading
- Reference and Information Services

Special Interest Groups (SIGs)

- Indigenous Matters (Library Services to Multicultural Populations Section)
- RFID (Information Technology Section)
- Semantic Web (Information Technology Section)
ISBD and the FRBR family of conceptual models

✓ ISBD: International Standard Bibliographic Description → IFLA International Meeting of Cataloguing Experts, København, 1969
  ✓ 1971 - ISBD(M) ... 2011 - ISBD consolidated edition

  ✓ 1998 - FRBR Final report
  ✓ 2009 - FRAD: Functional Requirements for Authority Data
  ✓ 2010 - FRSAD: Functional Requirements for Subject Authority Data
ISBD and the FRBR family of conceptual models

✓ ISBD consolidated ed., 2011

✓ Tom Delsey’s ISBD/FRBR mapping document

✓ to ensure conformity between the provisions of the ISBDs and FRBR's data requirements for the “basic level national bibliographic record”

✓ [4th] aim to “enhance the portability of bibliographic data in the Semantic Web environment and the interoperability of the ISBD with other content standards”
ISBD and the FRBR family of conceptual models

✓ 2007, IFLA General Conference, Durban
  ✓ FRBR RG: new project – *Namespace for FRBR entities/ elements in RDF*
    ✓ Data Model meeting, April 30-May 1, 2007, British Library, London → DCMI/RDA Task Group's charter

✓ 2008, IFLA General Conference, Québec
  ✓ *Declaring FRBR entities and relationships in RDF*

✓ FRBR, FRAD & FRSAD in OMR: Open Metadata Registry
ISBD and the FRBR family of conceptual models

✓ 2008, IFLA General Conference, Québec
  ✓ ISBD Review Group, ISBD/XML Study Group
✓ 2009, IFLA General Conference, Milan
  ✓ ISBD in RDF
✓ 2011, ISBD: the published list of elements in the ISBD consolidated edition → OMR
  ✓ March 2012, the ISBD and FRBR namespaces in the OMR are providing de-referencing services
# ISBD and the FRBR family of conceptual models


### Element Sets

<table>
<thead>
<tr>
<th>Label</th>
<th>Owner</th>
<th>Last Updated</th>
<th>Updated by</th>
<th>Actions</th>
</tr>
</thead>
<tbody>
<tr>
<td>academics</td>
<td>Dapme Passah</td>
<td>2010-11-18</td>
<td>dapme</td>
<td></td>
</tr>
<tr>
<td>Application Profile for Ceramic Resources</td>
<td>Chandana Patra</td>
<td>2010-02-02</td>
<td>chandana</td>
<td></td>
</tr>
<tr>
<td>Application Profile: Ceramic Repository</td>
<td>Chandana Patra</td>
<td>2009-08-20</td>
<td>chandana</td>
<td></td>
</tr>
<tr>
<td>beefschema</td>
<td>beefsteak</td>
<td>2008-09-27</td>
<td>beefsteak</td>
<td></td>
</tr>
<tr>
<td>DC2AP Element Set</td>
<td>APRI Project</td>
<td>2012-03-26</td>
<td>Lucas Vegi</td>
<td></td>
</tr>
<tr>
<td>Dublin Core Element Set</td>
<td>Dublin Core Metadata Initiative</td>
<td>2008-05-29</td>
<td>Jon Phipps</td>
<td></td>
</tr>
<tr>
<td>FOAF (Friend Of A Friend)</td>
<td>Metadata Management Associates</td>
<td>2008-08-05</td>
<td>Jon Phipps</td>
<td></td>
</tr>
<tr>
<td>FRAD model</td>
<td>Gordon Dunsire</td>
<td>2012-02-04</td>
<td>Gordon Dunsire (ifla)</td>
<td></td>
</tr>
<tr>
<td>FRBR Entities for RDA</td>
<td>Metadata Management Associates</td>
<td>2010-09-17</td>
<td>DianeH</td>
<td></td>
</tr>
<tr>
<td>FRBRer model</td>
<td>Gordon Dunsire</td>
<td>2011-09-24</td>
<td>Gordon Dunsire (ifla)</td>
<td></td>
</tr>
<tr>
<td>FRBRer open model</td>
<td>Gordon Dunsire</td>
<td>2010-10-04</td>
<td>Gordon Dunsire (ifla)</td>
<td></td>
</tr>
<tr>
<td>FRSAD model</td>
<td>Gordon Dunsire</td>
<td>2011-09-24</td>
<td>Gordon Dunsire (ifla)</td>
<td></td>
</tr>
<tr>
<td>hasArea</td>
<td>Necula Sabina</td>
<td>2011-07-14</td>
<td>sabinanecula</td>
<td></td>
</tr>
<tr>
<td>hasName</td>
<td>Necula Sabina</td>
<td>2011-07-14</td>
<td>sabinanecula</td>
<td></td>
</tr>
<tr>
<td>hasRank</td>
<td>Necula Sabina</td>
<td>2011-07-14</td>
<td>sabinanecula</td>
<td></td>
</tr>
<tr>
<td>Healthcare</td>
<td>denis kosar</td>
<td>2012-02-16</td>
<td>Denis Kosar</td>
<td></td>
</tr>
<tr>
<td>ISBD elements</td>
<td>Gordon Dunsire</td>
<td>2011-11-27</td>
<td>Gordon Dunsire (ifla)</td>
<td></td>
</tr>
</tbody>
</table>
ISBD and the FRBR family of conceptual models

✓ ISBD/XML Study Group & Namespaces Technical Group
  ✓ Translations of RDF representations of IFLA standards: guidelines
  ✓ Mapping of ISBD area 0 vocabularies to RDA/ONIX Framework vocabularies

✓ ISBD Review Group
  ✓ alignment of ISBD data elements and FRBR attributes within the task of consolidating the FRBR conceptual models by the FRBR Review Group
  ✓ harmonization of the ISBD, ISSN, RDA and other national and international cataloguing rules
ISBD and the FRBR family of conceptual models

✓ ISBD RG, ISSN Network & JSC, Glasgow, 3-4 November 2011
  ✓ harmonization is to make RDA, ISSN and ISBD records functionally interoperable
  ✓ G. Dunsire. *Mapping ISBD and RDA element sets*
  ✓ RDF class - “key object of interest”: FRBR vs. ISBD
  ✓ *unconstrained properties* for a list of elements: the hub for interoperability
Uses

✓ Universitätsbibliothek Mannheim
✓ The British Library
✓ Die Deutsche Nationalbibliothek
✓ Bibliothèque nationale de France
✓ Biblioteca nacional de España

✓ The Pan-Canadian Documentary Heritage Network (PCDHN)
Towards a Pan-Canadian Documentary Heritage Network

Setting the Course for Information Resources:

Foreword

"We have already set out in consultation with other stakeholders to consider the creation of a Pan-Canadian Documentary Heritage Network with preliminary talks centres are areas of possible decentralization and our monoculture. Daniel J. Caron, Library and Archives Canada. In an increasingly connected world, yet most network members and a broader understanding of information resources need.

Introduction

Over 600,000 men and women enlisted in the Canadian Expeditionary Force (CEF) during the First World War (1914-1918) as soldiers, nurses, and chaplains. The CEF database is an index to those service files, which are held by Library and Archives Canada.

- Search
- Search Help
Current FRBR Activities

✓ Priority: a consolidated statement of the conceptual models in the FRBR family

✓ 2003- : joint working group with the International Council of Museum's Committee on Documentation (CIDOC) CRM SIG

  ✓ FRBRoo: object-oriented statement of FRBR as a compatible extension of the CIDOC CRM (Conceptual Reference Model)

  ✓ to include the entities, attributes and relationships defined in FRAD and FRSAD in FRBRoo
Conclusion

✓ 2007-2012: RDF vocabularies for IFLA bibliographic standards
✓ starting to see discovery tools
✓ FRBR Review Group & ISBD Review Group: further alignment and collaboration between communities is clearly part of the near future
Thank you for your attention

Questions, reactions?