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UNIMARC for national services: issues and perspectives
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National Library service- SBN

- An architecture for a cooperative library services network.
  - Central Union Catalogue (Index) at national level
  - Union Catalogues (Nodes) at regional and local levels
- Maintains: bibliographical and holdings information.
- Provides services: OPAC, Collective cataloguing, localisation, ILL.
SBN Statistics

- 65 - Nodes participate
  - 3,266 Libraries
  - National, University, Local and Specialist
- Over 9 million titles
  - Authors
  - Localisations
- OPAC – over 1 million search / month
National Library service- SBN

The National Library Service (SBN) is the Italian libraries network promoted by the General Direction for Library Heritage and Cultural Institutes in cooperation with the Regions and the Universities, with the coordination of the Central Institute for the Union Catalogue of Italian Libraries and for Bibliographic Information (ICCU). Participating to the SBN are at now more than 3200 state, university, academies, local bodies, and public and private institutions libraries, operating in different sectors.
National Library service- SBN

• The collective SBN catalogue (SBN Index) contains:

  • descriptions of documents acquired from SBN libraries starting from the '90s or since single libraries entered the SBN;
  • descriptions "book in hand" of documents of XVI - XX centuries
  • descriptions obtained from catalogues on paper previous to 1990
SBN Evolution: Scope

- Regards the following services:
  - Catalogue
  - Localisation (Holdings)
- Provides support for Librarians in their work
- Provides statistics and monitoring
- Integrates with Non SBN LMSs.
SBN Evolution: Functional Objectives

• simple catalogue procedure

• Open access for NON SBN LMSs
  – Minimum description based on MARC
    (first test of the interface dialogue with Aleph and other Italian LMS)

• Open access via internet protocols

• Open architecture based on common protocols:
  – TCP/IP, HTTP, XML/XSL, SOAP, JMS.
SBN Evolution

Open technological architecture (2002-2004)

• Different levels of cooperation
  – Full adhesion
  – Bibliographic record supplier (“off-line”)
  – Bibliographic capture and localisation
  – Bibliographic capture only

• User Profiling
  – Descriptive level and format
  – Type of “Authority” used
SBN Marc schema

- Xml-schema of new protocol is based on UNIMARC format
- All the message have this general structure:
  - Client information
  - SBN request
  - SBN response
Implementation SBN-MARC Protocol

Library Management System (LMS)

SBN-MARC Client Interface

SBN-MARC Server Interface

Server SBN Indice
(Java 2 Platform 2 Enterprise Specifiche)

Schema XML SBNMARC.xsd
The SBN Server

• Two publicly available protocols:
  – SBN (existing services) / SBN-MARC (new services).

• Extension of material types:
  – Modern and Antique books and periodicals
  – Music (manuscript and printed)
  – Graphic
  – Cartographic

• Localisation of documents including digital documents and versions.

• Different levels of description.

• Import of descriptions (batch) in UNIMARC.

• Export to other system is in UNIMARC format
SBN-MARC protocol

- 100% compatible with existing SBN software used by the cooperation.
- Integration of existing national databases
  - Music, Manuscripts, Antique and Modern Documents
- Extension to new types of material
  - eDocuments, prints, photographic material etc..
- Open technological architecture
  - Allows access from other LMS
  - Adoption of international standards (UNIMARC, Unicode)
The Web Interface

- Existing functions accessed using a Web Interface
- Authority file management
  - Authors, subjects, classifications, places, uniform titles, repertories.
- Quality control and revision
  - Corrections, elimination of duplicates
Administration, Statistics and Monitor

• Statistics maintenance and display.
  – Both global and local statistics
  – Tools to check and control duplicate records.
• Performance management and technical support functions.
ISSUES

- to increase the migration of the existing catalogues (Nodes) to the MARC protocol
- to cast off the previous SBN protocol
  – existing network connected to the new application server (SBN/MARC)
Ricerca titoli

Titolo: Il nome della rosa

Numero standard

Tipo materiae: M

Natura: M, S, C, W, T, P, N, D, A, B

Livello di autorità: da a

Tipo record

Paese

Data pubblicazione: Tipo, Data1, Data2

Nome collegato: Parte Iniziale

Responsabilità

Data inserimento: da a, Data aggiorn.: da a

Genere

Elem. per blocco

Ordinamento: Titolo + Data1

Formato lista: MIN
<SBNMarc>
    <SbnUser>
        <Biblioteca>XXXAMM</Biblioteca>
        <UserId>000034</UserId>
    </SbnUser>
    <SbnMessage>
        <SbnRequest>
            <Cerca>
                <CercaTitolo>
                    <CercaDatiTit>
                        <T001>BVE0295680</T001>
                    </CercaDatiTit>
                </CercaTitolo>
            </Cerca>
        </SbnRequest>
    </SbnMessage>
</SBNMarc>
Il "nome della rosa": "fiore / Umberto Eco

16. ed. con postille

Milano: Bompiani, 1985

533 p.; 22 cm

Segue: Postille a Il nome della rosa, 1983.

Numero standard, tipo e nota

<table>
<thead>
<tr>
<th>Numero</th>
<th>Tipo</th>
<th>Nota</th>
</tr>
</thead>
</table>

Data ultimo aggiornamento: 17-12-2007

Data inserimento: 03-04-2003
Marc>
  <SbnUser>
    <Biblioteca>
      XXXAMM
    </Biblioteca>
    <UserId>
      000034
    </UserId>
  </SbnUser>
  <SbnMessage>
    <SbnResponse>
      <SbnResult>
        <esito>0000</esito>
        <testoEsito>OK</testoEsito>
      </SbnResult>
      <SbnOutput>
        <Documento>
          <DatiDocumento>
            <guida>
              <T001>BVE0295680</T001>
            </guida>
          </DatiDocumento>
          <T005>20071217145357.0</T005>
          <T100>
            <a_100_0>2003-04-03</a_100_0>
            <a_100_8>d</a_100_8>
            <a_100_9></a_100_9>
          </T100>
        </Documento>
      </SbnOutput>
    </SbnResponse>
  </SbnMessage>
</Marc>
Il *nome della rosa

*fiore

Umberto Eco

16. ed. con postille

Milano

Bompiani

1985
SBN Central Opac

OPAC SBN allows customers to enter friendly search to the collective catalogue of libraries that take part in the National Library Service.
SBN Central OPAC

- The database of the OPAC SBN updates weekly.

Through the OPAC SBN it is possible to:
- identify documents of interest;
- find libraries owning these documents and access information on single libraries;
- access local catalogues for further information on document availability;
- access the online loan or reproduction services in case the library joins the SBN ILL system;
- access the "authority records", controlled records finalized to guarantee the uniqueness of some access points of the catalogue; currently the records related to a portion of the "authors" file are present and searchable.
To search single document typologies it is possible to access, by using specific channels, particular sections of the SBN Catalogue (thematic or specialized searches) relative to:

- Modern Books (monographic publications starting from 1831 and journals with no date restrictions)
- Ancient Books (monographic publications starting from the XV Century to 1830)
- Music (manuscript music, printed music, music librettos from XV to XX century, sound recording)
- Graphic material
- Cartography
The 'Other Catalogues' module permits to make, with the same interface, bibliographical searches in other Italian and foreign catalogues conforming to the international standard Z39.50. The module permits to access some predefined catalogues ("Multicatalog search"), searchable also simultaneously. With the function "Custom search" the user can configure and search other Z39.50 catalogues of which he knows the access parameters.
National Library service- SBN and UNIMARC format

- **Central OPAC**
  - Import from internal format of the SBN Union Database to central OPAC database is in UNIMARC format

And has these functionalities:

- Export Unimarc
- Copy cataloging
- UNIMARC format for display
Query: Author = Erasmus
Results: 1-10 of 1862

Sort by: Max documents: 10 Go

1. Erasmus : Roterodamus
   Elogio della pazzia / Erasmo da Rotterdam ; a cura di Tommaso Fiore ; introduzione di Delio Cantimori
   Torino : G. Einaudi, 1983
   Monografia - Testo a stampa [IT\ICC\ANA\0091770]

2. Erasmus : Roterodamus
   11 : Letters 1535 to 1657 : January-December 1525 / translated by Alexander Dalzell ; annotated by Charles G. Nauert Jr
   Toronto [etc.] : University of Toronto press, c1994
   Monografia - Testo a stampa [IT\ICC\BVE\0056455]

3. Erasmus : Roterodamus
   44 : New Testament scholarship / general editor Robert D. Sider
LEADER 00942nam1M200217 I450
001 IT\ICC\BVE\0056455
005 19940825
010 $a0802005365
100 $a19940825d1994 ||||itac0103 ba
101 | $aeng
102 $aCA
210 $aToronto [etc.]. University of Toronto press
215 $axXIII, 476 p. $cill. $d26 cm.
461 1 $s1001IT\ICC\BVE\0000592\$12001 $aCollected works of Erasmus
700 0 $aErasmus: Roterdamus: $3IT\ICC\CFIV\002829
702 1 $aDalzell, Alexander $3IT\ICC\BVE\011464
702 1 $aNauert, Charles G. $3IT\ICC\PUVV\154167
801 0 $aIT\$bICCU\$c20040211
899 $aBiblioteca del Dipartimento di filosofia dell'Universita' degli studi di Padova
899 $aBiblioteca nazionale centrale Vittorio Emanuele II Roma RM$1RM02567$2BVECR
OPAC SBN
Istituto Centrale per il Catalogo Unico delle Biblioteche Italiane e per le Informazioni Bibliografiche

Search authority records

- authors
- titles
- subjects
- marks
- places

Names

Name: Calvino, Italo

Notes:

PID:
Scheda di autorità (Autori)

Ricerca: Nome = Calvino, Italo

Scheda: 1/1

Tipo autore: Persona
Nome autore: Calvino, Italo
Forme varianti: Cavilla, Tonio, Kalvino, Italo
Datazione: 1923-1985
Nota informativa: Narratore, saggista, giornalista e fondatore di riviste, dirigente editoriale
Biografia nazionale italiana: nuova serie del bollettino delle pubblicazioni italiane ricevute per diritto di stampa a cura della Biblioteca nazionale centrale di Firenze, A 1, n 1
SBN cataloging client

A new client using the new protocol produced by ICCU for libraries

- a web based user interface for creating bibliographical records
Ricerca marca

Descrizione: ancora con delfino

Parole chiave:

Mid:

CITAZIONE standard:

Motto:

Elem. blocco: 10
Ordinamento: DESCRIZIONE

Liv. di ricerca

Locale

Indice

Cerca
Liv. 71
Citazione standard A 546 Z 40
Mid RMLM000234

Ancora accollata da un delfino

Data inserim. 1998-05-11 Ultimo aggiornam. 2008-01-08
Local tags and solutions
Bibliographic format
(SBN, BNI and BNCF)

Fields and subfields with value 9
Subfield $9$ for blocks 3-- and 5-- for identifier of linking title

390 standard note for linking
590 See reference uniform title
690 see reference subject personal name
691 see referencesubject Corporate Body
790 See reference personal name
791 See reference Corporate Body name
921 data of typographical device
927 performer
899 Location and holding (SBN union catalog)
Local tags and solutions

Bibliographic format (SBN, BNI and BNCF)

- 692 see reference subject family name
- 695 see reference subject title
- 696 see reference subject
- 697 see reference topical subject
- 899 holding data
- 950 holding, localisation, inventory number availability for ILL
- 951 acquisition data
- 956 local electronic resources
Local tags and solutions Authority format (SBN)

- 921 data of typographical device
- 930 codified bibliographic citation (device and Author)
- 931 subject descriptors
- 932 descriptor relationship
Aleph and Italian national library service (SBN)

**Atlantis** in collaboration with **Ex Libris** had developed, in the interest of its own members, the interface dialogue with the Indice SBN (SBN Index) for the Aleph s/w
Italian users proposals for the extension of UNIMARC Bibliographic format

2005
New music proposals in Update 5 and UNIMARC Guidelines n.7 Music (by ICCU with IAML Italia)

2006-2007 (by ICCU and ITALE)
• 141 Copy specific attributes (state of preservation binding)
• 316 note relating to the copy (redefinition and changes)
• 421 added examples for monographic publications
• 422 added examples for monographic publications
Italian users proposals for the extension of UNIMARC Bibliographic format

- 511 Half title (new)
- 513 changes
- 517 changes
- 560 Artificial title (new)

Addition Relator Code (by ICCU with IAML):
- 235 Composer
- 272 Singer-songwriter
- 095 Author of main work
- 445 Impresario

Appendix G: Subject System Codes (by ICCU/BNCF)
Registration of New Italian thesaurus
ICCU proposals for the extension of UNIMARC Authorities

• 217 Printer device (new authority entity)
• 341 Activity Note pertaining to printer/publisher
• 517 See also reference tracing printer/publisher device
Tartaruga che tiene sul guscio una vela con giglio fiorentino. In cornice figurata festina lente Z1152 d40 x 48 mm 1574-1599 x TARTARUGA x VELA x GIGLIO.
New perspectives

ICCU decided on December 2005 to constitute a National UNIMARC Committee composed by experts from:

- BNCF
- Italie users
- Universities
- Public libraries
- ICCU
- IAML Italia

Main objectives of the committee:

- Spread informations and detailed instruction in the application of format
- Discuss the proposals of PUC
- Define and propose to PUC to extend UNIMARC format for all kind of materials not sufficiently covered (i.e., graphic, antiquarian and manuscript, electronic resources)
- Organize workshop and seminar on specific problems