

# The national library service (SBN)

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Central Institute for the Union Catalogue of the Italian libraries  
(ICCU)

*director*

# The Central Institute for the Union Catalogue of Italian Libraries (ICCU)

- is the national center which promotes and coordinates cataloguing and digitisation activities of the Italian libraries
- is a body of the Italian Ministry for cultural heritage and activities
- is responsible for guiding, producing, adapting and disseminating the standard rules for cataloguing and digitisation of the library heritage.

# ICCU Departments and Activities

ICCU is structured in  
**2 services** and **6 departments**

1. Administrative Service
2. Service for the cultural promotion

## Projects:

- Internet Culturale
- CulturalItalia
- Europeana (Italian partic.)
- World Digital Library (Italian partic.)
- European projects

1. Standards rules for cataloguing and digitisation
2. National Library Service (SBN)
3. Bibliographic information and activities for the Registry of the Italian library
4. Digitalisation and access to documents
5. Activities concerning bibliography, cataloguing and census of the ancient book
6. Census and management of the Italian bibliography of manuscripts

# SBN: the National Library Service

The National Library Service (SBN) is the network of the Italian libraries providing services to libraries and to end-users.

SBN:

- is a network promoted by the Italian Ministry for Cultural Heritage and coordinated by ICCU
- acts in cooperation with Regions and Universities
- is based on the cooperation among libraries
- provides services to libraries and end-users
- gets over the fragmentation of the Italian Libraries structure
- OPAC SBN online since 1997

## SBN today

- 71 nodes
  - 4,470 libraries all over the country
  - national, university, local and specialist
- Over 11 M bibliographic descriptions
  - authors: over 3 M
  - holding locations: 55 M
- OPAC – over 30 M searches / 2010

# SBN: shared cataloguing

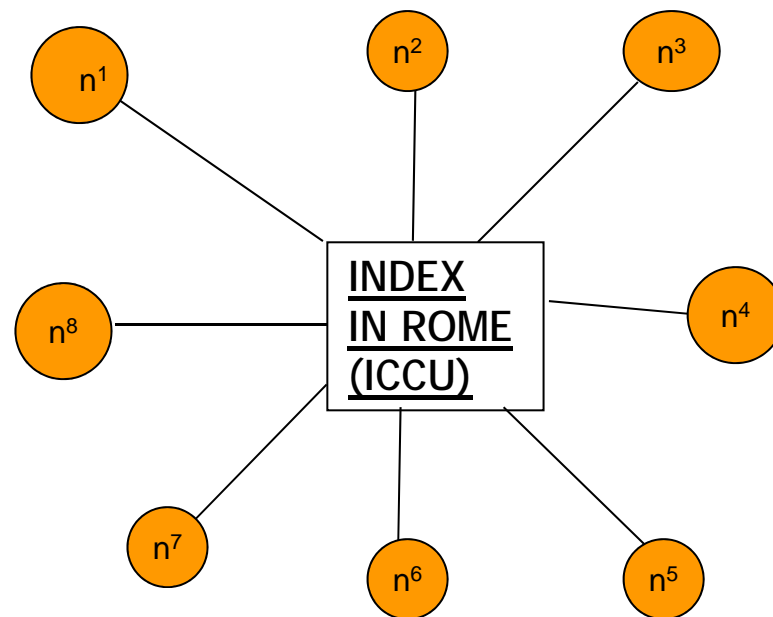
SBN libraries work independently and integrate their work into a cooperative system based on a national network.

- SBN is an architecture for a cooperative library services network:
  - Central Union Catalogue (Index) at national level
  - Union Catalogues (Nodes) at regional and local levels
- The Union Catalogue uses structured data, not flat records (i.e. MARC format)
  - records are registered only once and reused afterwards (captured)
  - records can be improved through different levels of correction (levels of authority)
  - modifications and updating are sent to all participating libraries

# SBN shared cataloguing: benefits

- **Saving money and time:** libraries can download over 90% of the records of their own catalogue
- Holding locations in SBN Union Catalogue facilitates the **Inter-Library Loan**
- **Bibliographic control** on bibliographical and authority records
- Significant **professional growth** of Italian librarians

# SBN NODES



SBN node  
distribution and  
architecture

71 Nodes  
4470 Libraries

12/2010

DC-Net Concertation Seminar  
Tallinn, 13-14 January 2011





## SBN services

- **Union Catalogue (Index):** for libraries (administrative and cataloguing purposes)
- **OPAC:** public interface of the UC for the final users
- **InterLibrary Loan (ILL):** compliant with ISO ILL (ISO 10160:1997)
- **Access to digital objects:** libraries can link their digital objects to the Union Catalogue through URI



## SBN Catalogue

[Basic search](#)  
[Advanced search](#)  
[Modern book](#)  
[Ancient book](#)  
[Music](#)  
[Graphic arts](#)  
[Cartography](#)  
[Authority](#)

## Other Catalogues

[Multicatalog search](#)  
[Custom search](#)

## Services

[Loan and reproduction](#)  
[SBN libraries](#)  
[Performed queries](#)  
[My bookmark](#)  
[Statistics](#)

Search with

[Go](#)

Il Catalogo online del Servizio Bibliotecario Nazionale [OPAC SBN] consente l'accesso a 11.340.922 notizie bibliografiche, corredate da 54.507.842 localizzazioni

<http://opac.sbn.it/>

Condividi





arch with

[Home](#)

[Information](#)

[Help](#)

[Contacts](#)

[Italiano](#)

[Accessibility](#)

[A A A](#)

[A A](#)



## N Catalogue

[Basic search](#)

[Advanced search](#)

[Modern book](#)

[Ancient book](#)

[Music](#)

[Graphic arts](#)

[Cartography](#)

[Authority](#)

## Other Catalogues

[Multicatalog search](#)

[Custom search](#)

## Services

[Loan and reproduction](#)

[SBN libraries](#)

[Performed queries](#)

[My bookmark](#)

[Statistics](#)

Query: Any = divina commedia (words in AND)

Results: **1-20** of **12109**

Sort by: Relevance

Documents: 20

[1](#) [2](#) [3](#) [4](#) [5](#) [»](#)

[► Show selected](#) [► Show all](#) [► Refine search](#) [► Print](#) [► Email](#)

- ☒ 1. **La Divina Commedia**  
Roma : Ed. Le Cronache Scolastiche, [1953] (U. P. A. C.)  
Monografia - Testo a stampa [IT\ICCU\CUB\0244153]  
[★ Add favorites](#)
- ☐ 2. **La Divina Commedia**  
Milano : La nuova Italia, 2001  
Monografia - Testo a stampa [IT\ICCU\RAV\1799243]  
[★ Add favorites](#)
- ☐ 3. **< Divina Commedia**  
S.l. : s.n., dopo il 1952>  
Monografia - Testo a stampa [IT\ICCU\TOO\1014072]  
[★ Add favorites](#)
- ☐ 4. **Purgatorio : la Divina commedia**  
Milano : Mursia, c1988  
Monografia - Testo a stampa [IT\ICCU\CAG\1235091]  
[★ Add favorites](#)
- ☐ 5. **Paradiso : la Divina commedia**  
Milano : Mursia, c1988  
Monografia - Testo a stampa [IT\ICCU\CAG\1235100]  
[★ Add favorites](#)

## Filters

### ☐ Livello bibliografico

[monografia](#) (12092)

[spoglio](#) (15)

[periodico](#) (2)

### ☐ Tipo di documento

[testo a stampa](#) (11940)

[musica a stampa](#) (52)

[documento da proiettare o](#)

[video](#) (37)

[registrazione sonora non](#)

[musicale](#) (31)

[risorsa elettronica](#) (25)

[»](#)

### ☐ Autore

[alighieri, dante](#) (6226)

[dore, gustave](#) (291)

[casini, tommaso](#)

[<1859-1917>](#) (208)

[costa, paolo <1771-1836>](#)

[\(198\)](#)

[camerini, eugenio](#) (152)

[»](#)

Scheda: 2/287 ▶ Scheda Unimarc ▶ Scarico Unimarc ▶ Export Endnote ▶ Export Refworks ▶ Citazioni ☆Aggiungi a preferiti

Livello bibliografico	Monografia
Tipo documento	Testo a stampa
Autore principale	Alighieri, Dante
Titolo	<b>La Divina Commedia / Dante Alighieri ; con 100 illustrazioni di Gustavo Doré</b>
Pubblicazione	Milano : A. Mondadori, stampa 1954
Descrizione fisica	711 p. : ill. ; 25 cm
Note generali	· Sul dorso: Ed. speciale per gli abbonati di Epoca
Nomi	· [Autore] <a href="#">Alighieri, Dante</a> ▶ <a href="#">scheda di autorità</a> · <a href="#">Doré, Gustave</a>
Classificazione Dewey	. <a href="#">851.1</a> (12.) POESIA ITALIANA. ORIGINI-1375
Lingua di pubblicazione	ITALIANO
Paese di pubblicazione	ITALIA
Codice identificativo	IT\ICCU\FER\0166546
Localizzazioni	

▶ Accesso ai servizi di prestito interbibliotecario e fornitura riproduzioni (ILL SBN)

[AL0104](#) [T00A1](#) Biblioteca civica - Valenza - AL  
[AL0114](#) [T0049](#) Biblioteca civica Giovanni Canna - Casale Monferrato - AL  
[AL0127](#) [T00C5](#) Biblioteca civica - Vignale Monferrato - AL  
[AL0191](#) [T00Q5](#) Biblioteca civica - Melazzo - AL  
[AL0229](#) [T00EP](#) Biblioteca civica dei Ragazzi - Casale Monferrato - AL  
[BI0003](#) [BIACA](#) Biblioteca civica Livio Pozzo - Candelo - BI  
☐ [BI0025](#) [BIABC](#) Biblioteca civica - Biella - BI

**HOLDING LOCATIONS**

## Catalogo SBN

[Ricerca base](#)  
[Ricerca avanzata](#)  
[Libro moderno](#)  
[Libro antico](#)  
[Musica](#)  
[Grafica](#)  
[Cartografia](#)  
[Voci di autorità](#)

## Altri Cataloghi

[Cataloghi disponibili](#)  
[Nuovo catalogo](#)

## Servizi


[Prestito e riproduzioni](#)  
[Biblioteche SBN](#)  
[Ricerche effettuate](#)  
[Preferiti](#)  
[Statistiche](#)


Condividi 


## Musica


Legenda:  Lista per voci complete  Lista delle parole Usare \* come carattere di troncamento

[Avvia la ricerca](#) [Annulla](#)

Nome:  parole in AND 


Titolo:  parole in AND 


Luogo di pubblicazione:  parole in AND 


Editore:  parole in AND 

Anno di pubblicazione da:  a:


Segnatura:


Numeri documento  ISBN 


Collezione:  parole in AND 


Classificazione Dewey 


Numero:


Descrizione:  parole in AND 


Tipo elaborazione: 


Organico sintetico elab.:  parole in AND 


Organico analitico elab.:  parole in AND 


Incipit:  parole in AND 


Rappresentazione  

Personaggio:  parole in AND 

Parole chiave:  parole in AND 

Titolo composizione:  parole in AND 

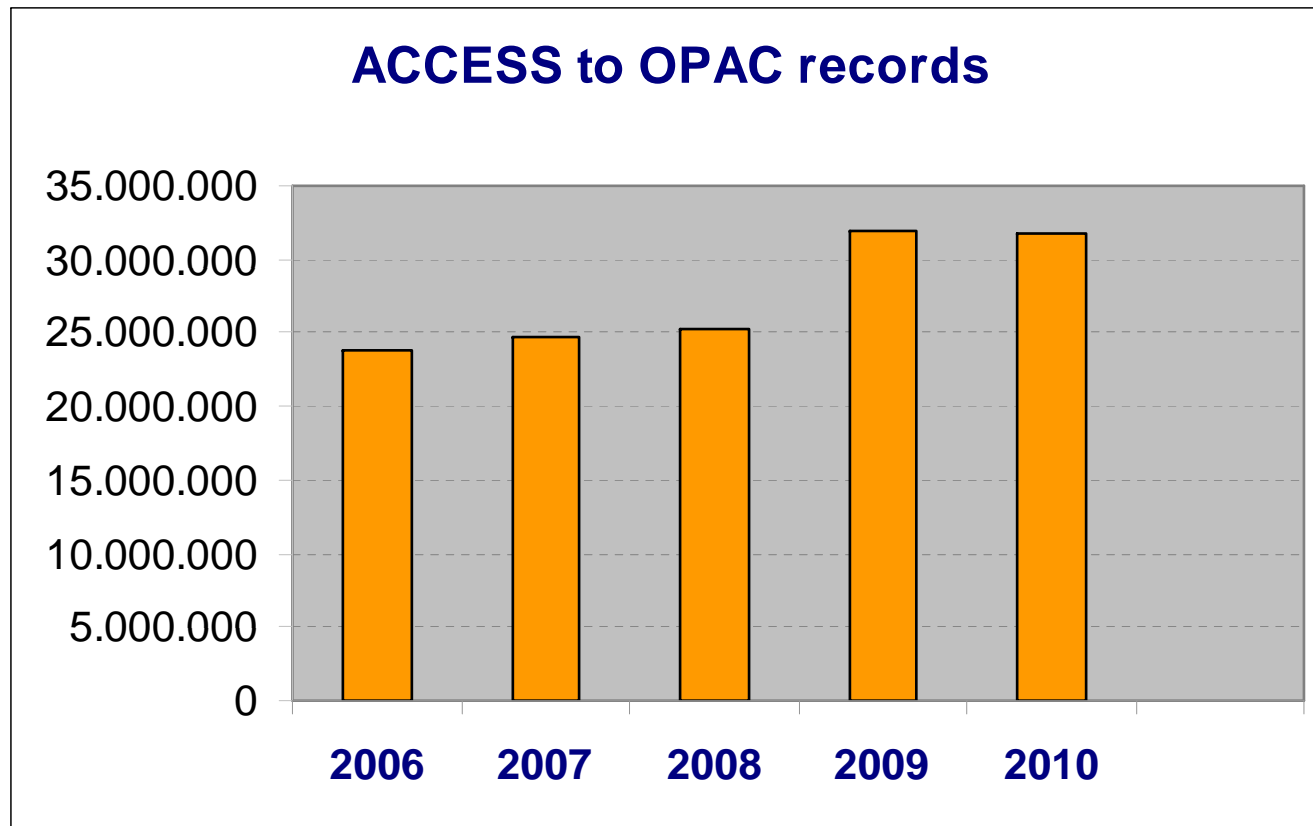
Forma: 

Tonalità: 

Special  
search mask  
for music scores

DC-Net Concertation Seminar  
 Tallinn, 13-14 January 2011

# Searches in OPAC SBN



More than 30 M in 2009 and 2010. Many from abroad (especially USA)

# SBN governance (1)

## SBN partners

- Ministry for cultural heritage and activities (MiBAC)
- Ministry of education, university and research (MIUR)
- Ministry for public administration and innovation
- Conference of the Italian Regions
- Union of the Italian Provinces (UPI)
- National Association of the Italian municipalities (ANCI)

SBN steering committee: partner representatives (chaired by the Culture Minister)



responsible for the SBN policy and strategy

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## SBN governance (2)

### SBN technical committee:

- ICCU director
- 1 representative of MiBAC-DG for libraries
- 13 representatives appointed by the steering committee (policy makers, technicians, specialists)

### Responsible for:

- guidelines and standards
- evolution of the network
- service development



## SBN: ICCU role

- Central Union Catalogue and OPAC management
- Relations with libraries and helpdesk
- Professional training
- System maintenance

# SBN e-infrastructure

SBN is an e-infrastructure for libraries and library users

Servers at ICCU managed by a private company

It is based on the connectivity provided by **GARR**, the Italian NREN (broadband connection at 100 MB)

# SBN: technical features

- Open architecture based on common internet protocols:
  - TCP/IP, HTTP, XML/XSL, SOAP, JMS etc...
- Easy integration with other systems:
  - based on Java Platform 2 Enterprise Edition
- High performance and reliability
  - Unix platforms and Java multi-threaded services
  - High performance relational DBMS (Oracle RDBMS)

# SBN: functionalities

- Integration of existing national databases:
  - modern books and serials
  - rare and old books
  - music scores (printed and manuscript)
  - authority files

# SBN: functionalities

## Web interface for central cataloguing functions:

- authority files management;
- quality control and revision (corrections, elimination of duplicates)

## and data exchange

- import/export of bibliographic records

# The SBN MARC protocol

The solution for the interoperability between the Union Catalogue (Index) and the LMSs is guaranteed by the SBN MARC protocol, based on 'request' (**libraries => Index**) and 'response' (**Index =>libraries**)

- The xsd schema is freely available (<http://www.iccu.sbn.it/genera.jsp?id=147&l=it>)
- It is based on international standards (UNICODE, UTF-8, ISBD, etc.) and uses MARC semantic elements and an xml syntax

# The SBN MARC protocol: online services

- Search (document, authority entry)
- Holding location (holding, requirement of data updating)
- Cataloguing (document, authority entry)
- Correction (document, authority entry, proposal of correction)
- Data updating (to align data modified by other libraries)

# SBN: offline services

- Import
  - Preparatory or executive elaboration
  - Documents, authority entries
  - Formats: UNIMARC, MARC21, SBN-MARC
- Export
  - Documents, authority entries
  - Formats: UNIMARC, MARC21, SBN-MARC





# SBN for libraries

More flexibility for libraries:

- different levels of cooperation
- possibility to choose different LMSs (commercial, opensource, public SW...)

# SBN: levels of cooperation

## Different levels of cooperation:

1. bibliographic capture and holding locations
2. shared cataloguing without updating the local catalogue with records modified by other libraries
3. full adhesion (shared cataloguing with updating)

**98% of the participating libraries is at level 3.**

# SBN: software solutions

The SBN LMS application (SBN Web, developed by ICCU) is freely available.

However, libraries can choose other commercial applications 'SBN compliant'.

ICCU certifies their level of compliance as to the interoperability with the INDEX (shared cataloguing and holding locations).

## Access to OPAC

OPAC is integrated in:

- Internet Culturale, the portal of the digital resources of the Italian libraries ([www.internetculturale.it](http://www.internetculturale.it))
- Culturaitalia, the Italian culture portal ([www.culturaitalia.it](http://www.culturaitalia.it))
- The European Library, the portal of the European national libraries ([www.theeuropeanlibrary.org](http://www.theeuropeanlibrary.org))

# The future of SBN

SBN is an infrastructure for the interoperability at national and European levels.

SBN and European e-infrastructure:

- creation of digital storage and preservation services
- growth of the InterLibrary Loan
- Performance improvement
- ...

# Thank you!

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