

# SCIGATOR

## A DDC-BASED BROWSING LIBRARY INTERFACE

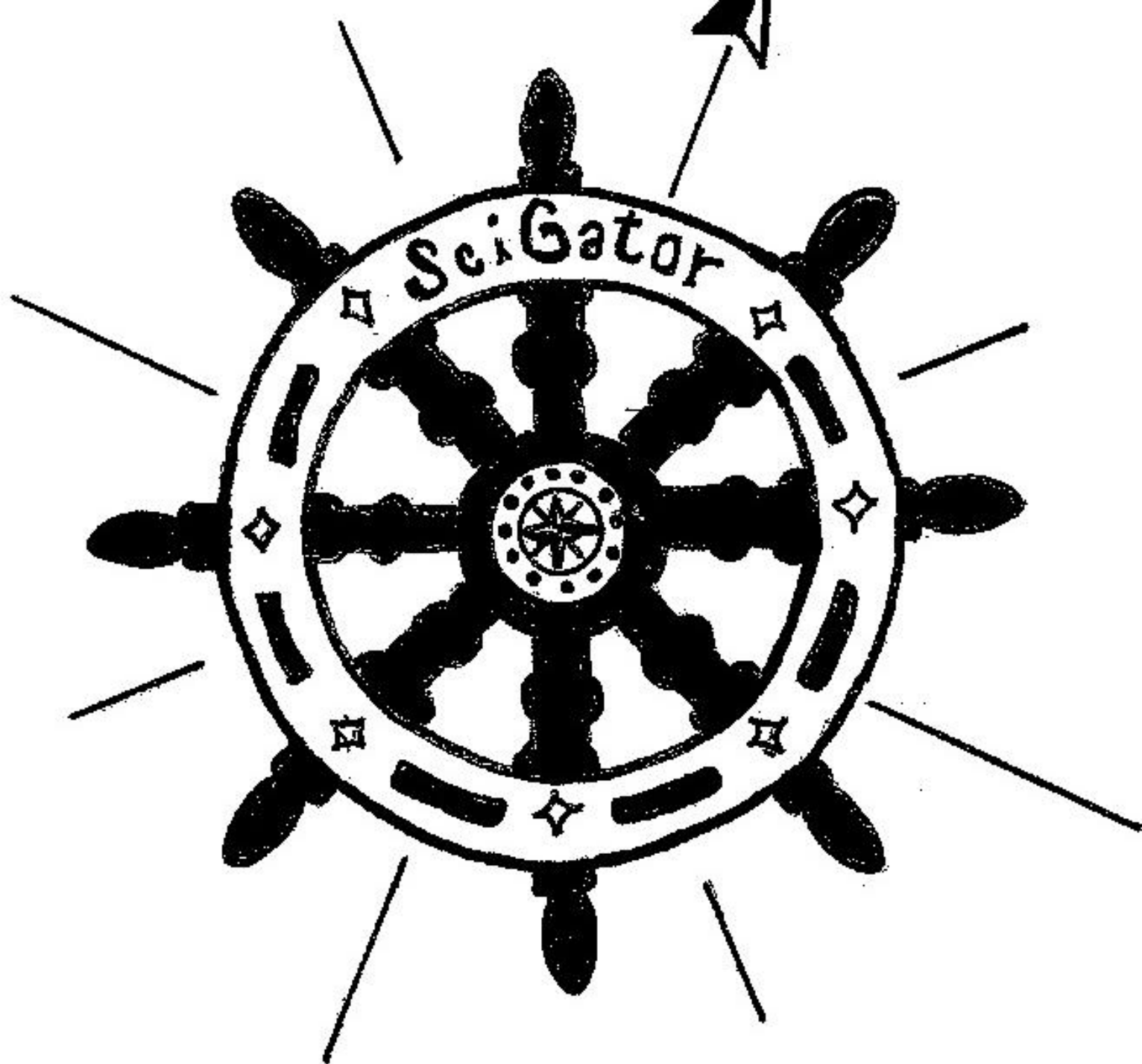
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## Use of DDC in Italy



## The origins of SciGator



## The database structure



## The SciGator interface



## Browsing functionalities



## Future interface ideas

# USE OF DDC IN ITALY



**The most used  
classification**

**Interoperability**

**The DDC schedules  
WebDewey  
Italiana**

**Used by 3 scientific  
libraries in Pavia  
since 2013**

# THE ORIGINS OF SCIGATOR



**Reorganisation of the scientific libraries in Pavia (2009) and conversion to a DDC system (2013)**

Each library still has different traditions of shelving, based on local schemes

Books on related subjects, or even on the same subjects, are often shelved in different places



**DDC may work as a virtual bridge between different local schemes and location (mapping)**

Input of subject headings in the bibliographic records by librarians is not possible

**The idea of a subject interface**



**Limitation of the DDC – information on related subjects in the same book is lost**

Navigation across subjects and disciplines is not possible in most Italian catalogues

**The idea of a browsing subject interface**

# THE ORIGINS OF SCIGATOR



Reorganisation of the scientific libraries in Pavia (2009) and conversion to a DDC system (2013)

Each library had its own conditions of classification  
Books on related subjects were even on the same subjects, but in different places

**Mapping  
between DDC  
and local  
schemes**

**Subject browsing  
in the catalogue**

DDC provides a bridge between different schemes (mapping)

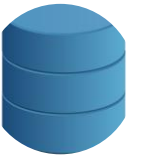
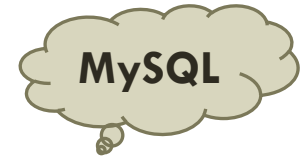
Insert of subject headings in the bibliographic records by librarians is forbidden  
The need for a subject interface

**Linking related  
subjects and  
disciplines**

Limitation of the interface: subjects in the same book is lost

Navigation across subjects is not possible in the current interface  
The idea of a browsing subject interface

# THE DATABASE STRUCTURE



notation	varchar(20)	<input type="text" value=""/>	<input type="checkbox"/>	<input type="text" value="620.14"/>
caption	varchar(255)	<input type="text" value=""/>	<input type="checkbox"/>	<input type="text" value="ceramica e materiali affini"/>
captione	varchar(255)	<input type="text" value=""/>	<input type="checkbox"/>	<input type="text" value="ceramics and analogous materials"/>
scopenote	text	<input type="text" value=""/>	<input type="checkbox"/>	<input type="text" value=""/>
seealso1	varchar(15)	<input type="text" value=""/>	<input type="checkbox"/>	<input type="text" value="666"/>
seealso2	varchar(15)	<input type="text" value=""/>	<input type="checkbox"/>	<input type="text" value=""/>
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seealso4	varchar(15)	<input type="text" value=""/>	<input type="checkbox"/>	<input type="text" value=""/>
equivalent1	varchar(20)	<input type="text" value=""/>	<input type="checkbox"/>	<input type="text" value="`32H"/>



# THE SCIGATOR INTERFACE



↑ 628.9 fire prevention shelf catalogue expand → 363.1 AR16

**See also:**

↑ 363.1	↓ public security	shelf	catalogue	→ 620.11	628.9
↑ AR16	↓ fires	shelf	catalogue	≈ 628.9	

# SCIGATOR BROWSING FUNCTIONALITIES QUERY BUTTONS



↑ 628.9 fire prevention **shelf** catalogue expand → 363.1 \* AR16

<http://scigator.unipv.it/indexe.php>

**‘Browse this shelf’** - retrieves all documents having a shelf mark that begins with the corresponding notation

**‘Browse the catalogue’** - retrieves all documents having the corresponding notation as their shelf mark or a subject metadata from the SBN national catalogue

**‘Expand in the catalogue’** - retrieves all documents in the previous options, and documents shelved or indexed by related classes, including both associated Dewey classes and equivalent classes in local schemes



# SCIGATOR BROWSING FUNCTIONALITIES LIMITS

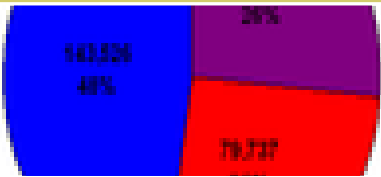


**Scigator browsing functionalities  
end when the catalogue limits begin**

# FUTURE DEVELOPMENT



Eliminate the 'Catalogue' button when some class is from a local classification (SciGator explore only notations from the DDC)



Collect statistic data on SciGator use



Improve web interface through graphic design (more intuitive)



Add a national catalogue browse button



Develop the libraries SciGator network at the University of Pavia

# CONCLUSIONS



**SciGator is a very good mapping tool between DDC classes and their equivalents in local schemes**

**Navigation across disciplines is possible**

**SciGator allows subject research that is not possible in the local OPAC**

# CONTACT AND FOLLOW US



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