

Data Exchanges

As long as your data are available in a structured form, RISM can convert them into MARC XML and integrate them into the data pool. So far, we have converted files from Microsoft Access databases, Word documents, and plain text files. A converter for UNIMARC is in preparation. The conversion process is presented in a straightforward, web-based manner through our own RISM Toolkit application.

Custom Displays of Data

Through the use of RISM's SRU search interface, you have the opportunity to create a customized web-based catalog based on any subset of the RISM data, such as for a particular library or country. In such cases, the SRU interface serves solely as the back-end infrastructure. Individual solutions are thus possible in cooperation with RISM.

The personal names search is a prototype that combines processing the data through SRU with faceted search capabilities from Solr. The RISM watermarks catalog works in a similar way.

Printed Media

High-quality PDFs can also be generated from the RISM data that are suitable for publication and use as camera-ready copy. Two options are available: a simple, quick catalog generator based on keywords or specific index searches using SRU and XSLT, with or without music incipits; and a high-quality catalog that can be created after consultation with the RISM Zentralredaktion and can include numerous sorting options and comprehensive indexes.



Contact

We are happy to answer any questions that you may have. You may reach us by e-mail at contact@rism.info.

The RISM IT manager, Stephan Hirsch, can be reached at dataservice@rism.info.

Our informative website is at <http://www.rism.info>.

The electronic resources in this brochure can be found at

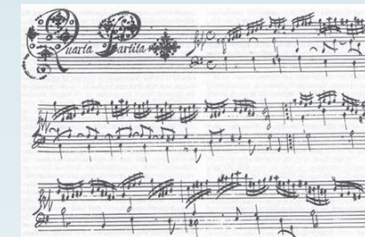
<http://www.rism.info/en/community/development/data-services.html>.

You can also keep up with us on Twitter: [@rism_music](https://twitter.com/rism_music)

RISM Data Services



RISM is an international project that documents and describes musical sources. Currently the database contains around 900,000 records that describe sources in detail and may be consulted at <http://opac.rism.info>.

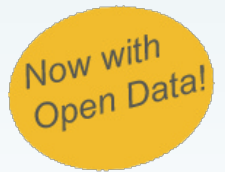


In addition, RISM offers interested libraries and institutions numerous supplemental opportunities for data evaluation or

to use the data in other projects.

Open Data and Linked Open Data

Nearly all of the records may be downloaded as open data in MARC XML format under a Creative Commons CC-BY license at opac.rism.info. In addition to data on musical sources, you will find authority files for people and corporate bodies, and bibliographic data for catalogs of works and secondary literature. All records will soon be freely available for reuse as linked open data using RDF/XML.



SRU Servers

All catalog entries are available in MARC XML format and are described in accordance with MARC standards. In addition to using the open data interface, different SRU servers can be used to directly retrieve the data through URLs and load them for data harvesting. This allows the information to be presented in the most up-to-date form available. The records are indexed by the free search engine Zebra through indexdata.com.



This opens up the possibility of various kinds of searches: full-text, by composer, or specified searches such as by library or other criteria. In addition, SRU search interfaces are available for personal names and libraries.

← → ↻ 🖨️ service1.rism.info/opa/operation=searchRetrieve&version=1.1&query=id=659001515

This XML file does not appear to have any style information associated with it. The document tree is shown below.

```
<?xml version="1.1" encoding="UTF-8" ?>
<searchRetrieveResponse xmlns:z="http://www.loc.gov/zing/srw/" slick-uniqueid="3">
  <div>
    <a id="slick_uniqueid"/>
  </div>
  <z:version>1.1</z:version>
  <z:numberOfRecords>1</z:numberOfRecords>
  <z:records>
    <z:record>
      <z:recordPacking>
        <z:recordData>
          <record xmlns="http://www.loc.gov/MARC21/slim">
            <leader>00731c00a2200217##4500</leader>
            <controlfield tag="001">659001515</controlfield>
            <controlfield tag="003">RISM</controlfield>
            <controlfield tag="005">20120618111111.0</controlfield>
            <controlfield tag="008">140119|||||g|||||d</controlfield>
            <datafield tag="031" ind1="1" ind2="1">
              <subfield code="a">Anima mea Dominus</subfield>
              <subfield code="b">1</subfield>
              <subfield code="c">1</subfield>
              <subfield code="f">4</subfield>
              <subfield code="m">org</subfield>
              <subfield code="n">xf</subfield>
              <subfield code="p">1,AD/2006,,Bf.,CD.,G4,6F</subfield>
              <subfield code="t">Anima mea Dominus</subfield>
              <subfield code="u">32668662</subfield>
            </datafield>
          </record>
        </z:recordData>
      </z:recordPacking>
    </z:record>
  </z:records>
</searchRetrieveResponse>
```

Example of a RISM SRU file

MARC 21 and MARC XML Support

MACHINE-Readable Cataloging (MARC) is a standardized data format that is used in libraries. It is available in binary as well as computer-readable XML format.



This cataloging format was developed at the Library of Congress in the 1960s and enables computers to exchange bibliographic information with each other. Its data elements form the foundation for most of the library catalogs that are in use today. RISM uses MARC XML for open data as well as SRU for all aspects of data processing, ensuring the best possible portability and flexibility.



Main Reading Room of the Library of Congress

GND BEACON

BEACON is a very simple file format that is used to display links to websites that offer content on certain authority files. Currently, the format is primarily used for personal names, which are identified by means of a GND (formerly PND) number, although it is suitable for other types of authority files as well.



RISM provides GND BEACON files for personal names. The Neue Deutsche Biographie (New German Biography) is an example of a project that integrates RISM's BEACON data. Wikipedia also uses this feature.

RISM's GND BEACON files can be found at <http://dl.rism.info/pnd.txt>.

The screenshot shows the website interface for Deutsche Biographie. It includes a search bar, navigation tabs (NDB-Artikel, ADB-Artikel, Index, Weitere Informationen), and a list of search results. The first result is for Mozart, Wolfgang Amadeus, with a GND number of 118584566. Below the name, there are sections for Normdaten, Lexika, and Bibliothekskataloge und Bibliographien.

Application of RISM's GND BEACON