



# National Library of the Czech Republic

Annual Report  
2015



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## Introductory Word by the Director General

The year of 2015 brought significant changes for the National Library of the Czech Republic in many aspects. After years of preparations, the new library standard – the “Resource Description and Access” cataloguing rules – was introduced in the Czech cataloguing practice on 1 May. The Ask Your Library electronic service has undergone a major transformation including a new website design; among other, the users are now allowed to comment also on older responses from the archive. Following this innovation, other Czech libraries expressed interest and, at the end of the year, ninety libraries from across the Czech Republic were actively participating in this service. With the new year, the project of IOP – Creation of the National Digital Library entered into the so-called sustainability stage and, due to its lack of readiness, caused a number of difficulties that had to be dealt with throughout the year. On 25 September, the significantly delayed second stage of the investment project for Revitalization and reconstruction of the Klementinum saw it through to the final approval of the first part – the oldest Klementinum wing at the Křižovnická street. Two magnificent corridors with 17<sup>th</sup> century wall paintings are thus again accessible to public. The Reference and Interlibrary Services Department including the reading hall moved to the rooms at the ground floor. The preparation of a new architectural study which will be guiding the further development in the coming years was a major step forward in the stalemate of the next steps in the Klementinum reconstruction at the second half of the year. Last but not least, there was twice a personnel change in position of the organization’s statutory representative – the Director General, followed by changes at other positions in the management of the National Library of the Czech Republic.



*Photo: Eva Hodíková*

As regards the main activities of the National Library of the Czech Republic and similarly to previous years, our staff had to cope with, in particular, the long-term lack of funds for the replenishment of book collections. In addition to legal deposit copies, purchase, international exchange and donations, the Library mainly ensured on-line access to foreign electronic information sources. A qualified selection of profile electronic publications from the database of the EBSCO Discovery Service multi search engine for “patron driven acquisition” became one of the new ways for streamlining. We continued our cooperation with the Moravian Library and the Scientific Library in Olomouc in the area of shared cataloguing within AlephCluster; the number of cooperating libraries for copy-cataloguing in the Union Catalogue of the Czech Republic increased and the Central Directory of Libraries and Information Institutions was developed (at the end of the year, it included 6,586 records for active libraries, of which 5,508 public libraries).

Among all the remarkable acquisitions of historical and musical collections, it is worth mentioning the publication of History of three holy pictures from 1746, in which the author describes the history of pictures in the Franciscan convent in Bechyně, together with a graphic album of thirteen engravings with views of the Teplice spa in the period 1800–1808, which come from the former collection of Jindřicha Waldes that was, after 1989, restituted to Waldes’ heirs from the National Gallery collections, and, finally, the signed manuscript of the Originální škola prof. Otokara Ševčíka (Original School of Prof. Otokar Ševčík) from 1877.

Digitization of all loose map sheets from the Lobkowitz map collection was completed during the year. In the four-year cooperation with the Research Institute of Geodesy, Topography and Cartography, we thus digitized 1,900 map sheets which were subsequently made accessible online as part of the Virtual map collection. A total of 89 comprehensive historical documents processed by our library and other

documents supplied by our foreign partners were added to the European digital library of manuscripts and other historical documents called Manuscriptorium – a unique project of international importance implemented by the National Library of the Czech Republic. At the end of the year, Manuscriptorium already contained 398,215 catalogue entries and 46,605 comprehensive digital documents. Another major international digitization project, to which the National Library of the Czech Republic is an important partner – Mass Digitization of Historical and Rare Documents in Cooperation with Google, scheduled to be implemented over the period of 2011–2016, also continued successfully. A total of 38,000 historical and rare documents were digitized in 2015. The collections of the Slavonic Library (SL) – early printed books and later documents are also part of this project. The collections of the Slavonic Library were significantly enriched through donations – particularly from the State Tretyakov Gallery, the Russian Academy of Arts, the Lihatchev Institute, the Memorial association, the Polish Institute in Prague, the Ljubljana-based Slovene matrix and the Sarajevo Preporod. The International Round Table co-organized at the occasion of the 120<sup>th</sup> birthday anniversary of P. N. Savický marked the most important expert social event of the Slavonic Library. At the beginning of the year, the Librarianship Institute staff completed the migration of the Institute's websites to a new editing system, including the development of new graphics; they also prepared dozens of trainings, workshops and lectures and organized the *2015 Library of the Year* award ceremony, held in the Mirror Chapel of the Klementinum on 18 October.

Six numbers of E-bulletin of the National Library of the Czech Republic were issued in 2015; on 27 March, the *Night with Andersen* made it possible for children from the fifth grade of primary schools in Ondřejov to spend a “fairy-tale night” in the Klementinum; the 1806 *Vyšehrad Codex* (*Codex Vyssegradensis*) was exhibited in the Klementinum for two weekend days at the end of January, providing a unique opportunity for the visitors, and the illuminations of the 14th century *Paris Fragment of the Dalimil Chronicle* were open for visitors on 1 May. From amongst the many other exhibitions and expositions, I must mention, in particular, the collection of photographs by Jaroslav Bruner-Dvořák, documenting the functionalistic reconstruction of the Klementinum to accommodate the library, its reading rooms, collections and study rooms, the exhibitions of *Biblical Stories in Renaissance Illuminations*, *Famous Buildings of the Luragos in Bohemia* and *Dharma Prints* – frottage from stone steles with Chinese Buddhist texts.

The National Library of the Czech Republic also joined the commemoration of 600 years since the burning of Jan Hus with an exhibition and the issue of a publication (of the same name) called *Jan Hus. Problém přijmout svobodu* (Jan Hus. The Challenge of Accepting Freedom) which was prepared by the Publishing Department.

From my subjective point of view, I would like to mention only a part of the year-round work of nearly five hundred staff members of the National Library of the Czech Republic in the Klementinum and in the Hostivař premises; the results of their work in the library and their expert and research efforts are described in greater detail below. The above introduction is to express my words of thanks, intended to catch your attention.

Petr Kroupa

# Events of the Year

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## The Revitalization and the Reconstruction of the Klementinum

The second stage of revitalization of the Klementinum premises continued in 2015. The first part of stage II – the wing along the Křižovnická street was finished and received certificate of final completion. Once the operations and book collections were moved to the reconstructed premises, the remaining part of stage II (premises surrounding the Student Yard) was gradually handed over to the general contractor for reconstruction. After the commencement of the construction works in the premises which were recently handed over, original historical wooden floors were found in several rooms; as a result, negotiations with the conservation authorities had to get under way again. We were surprised by the condition of some of the load-bearing structures revealed which, among others, documents a poor quality of work delivered in the reconstruction carried out at the beginning of the 20<sup>th</sup> century – e.g. insufficient coverage of the reinforced concrete ceiling panel supports, the use of concrete mixtures with aggressive effects on the steel reinforcing supports or incorrectly placed partitions from the statics perspective. Similarly, the condition of historical wooden floor structures, which were attacked by wood-decaying fungi, required additional treatment to ensure functionality and durability.



*Hallway on the 1<sup>st</sup> floor after reconstruction of the wing along the Křižovnická street. Photo: Eva Hodíková*

Preparations for the third stage of the Klementinum revitalization were resumed. Given that the documentation for stage III as prepared by the general architect was not approved by the conservation authorities (the proposal to build a cellar under the existing services hall turned out to be unacceptable due to the archaeologically important spaces), the management of the National Library of the Czech

Republic decided to start working on a partial modification of the concept. The Architectural Studio Architekti Hruša & spol., Ateliér Brno, s. r. o., which was selected as the winning candidate in a public tender, prepared a new revitalization concept study for the premises in close cooperation with the National Heritage Institute. This study was subsequently submitted to the Architectural Conservation Department of the Prague City Hall with request for a binding opinion. Once this opinion is delivered, the next stages of the design work will be launched to ensure that the idle time between the construction completion of stage II and commencement of stage III is as short as possible within the possibilities determined by the procedural requirements and the legislation.

Several meetings were held with the establishing authority about new furniture for the premises following the reconstruction, in particular in the new reading rooms and other public spaces. Preparations commenced for the project dealing with the overall appearance of the premises.



*Massive wooden doors at the ground floor of the revitalized wing along the Křižovnická street.  
Photo: Eva Hodíková*

## Cooperation with Google

The project Mass Digitisation of Historical and Rare Documents in Cooperation with Google, scheduled to be implemented over six years (2011–2016), continued fully in the spirit of the previous years. Preparations (cataloguing, partial renovation, valuation of books, etc.) were taking place hand in hand with the document digitization itself. In parallel with the digitization, digital data were made accessible to public, particularly through the Google Books digital library and the electronic databases of the National Library of the Czech Republic, i.e. via the electronic catalogue of the Slavonic Library at <http://aleph.nkp.cz/cze/slk> and the database of early printed books at <http://aleph.nkp.cz/cze/stt>.

Around 38,000 volumes of historical and rare documents were digitized in 2015.

A total of 20,000 comprehensive digital documents in the TEI P5 ENRICH Specification standard in accordance with the LPIS 6 sub-programme parameters were converted to Manuscriptorium.

### Several data from Google statistics concerning November 2015

By mid-November 2015, a total of 37,974 books were handed over to Google for digitization and 37,950 books were digitized. There are 37,595 books available for download.

30,531 books were downloaded to the server of the National Library of the Czech Republic (of which ca. 15 % for the Slavonic Library).

As much as 47,510 users visited the top 50 requested books in the Google Books digital library in the past six months. Out of the total volume of books that were made accessible, users consulted most frequently books in German (46 %), Russian (15 %), Latin (12 %), Polish (6 %) and Czech (5.5 %). Also other statistics lead us to conclude that books in all languages are used. Early printed books are gradually converted to Manuscriptorium. All digitized books are available via links from the catalogue of early printed books and the SL catalogue to Google Books.

### 1. Organization and planning

These activities were traditionally carried out in consistence with the procedures established in 2011. At the beginning of 2015, the actual digitization of books on a regular basis started according to the schedule agreed with Google. During the year, eight transport convoys in total left for the digitization department in Germany within a period of 6 weeks.

### 2. Cataloguing

#### Situation of work in the Manuscripts and Early Printed Books Department (ORST)

ORST regularly prepares documents from the historical collections from the period 1501–1800 for digitization. During 2015, external ORST co-workers were able to process (catalogue) a total of 21,238 document units (entries, bar codes). Valuation of documents, which is essential to determine the insured sum, continued in 2015. The number of external collection administrators was increased; their job description includes, in addition to dispatching and record keeping, affixing registration labels with shelf mark on the documents and gluing the bar codes. Other activities, i.e. generation and sending of electronic lists and accompanying documentation for each transport convoy, professional packing of carts with books, obtaining an export authorization and customs declaration for each shipment, as well as moving the carts to the vicinity of the trucks were carried out on a routine basis.

The cataloguing results are available at: STT – Database of early printed books and maps of the National Library of the Czech Republic (1501–1800): <http://aleph.nkp.cz/cze/stt>.

The digitization results are available at the same address: at the end of 2015, a total of 52,095 document units from the ORST collections were digitized, with a functional link to the electronic STT catalogue.

#### ORST aggregate data

20,486 document units were sent for digitization during 2015 (as at 18 November 2015 – the last batch of 2015); a total of 52,095 document units were sent for digitization since the start of the project.

## Situation of work in the Slavonic Library

The Slavonic Library (SL) prepares for digitization, in particular, documents from its collections issued in the 19th century (1800–1875), but also early printed books issued before 1800 and, last but not least and following an agreement with Google, selected documents from than 140 years ago, but issued until 1900 (inclusive).

During 2015, external co-workers of SL were able to process (catalogue) a total of 5,348 document units (entries, bar codes). Other activities (valuation of books, loading of carts before digitization and their shipment, receipt of carts, their unloading, and filing of documents back in the depository) were carried out on a routine basis in 2015.

The cataloguing results are available at: SLC – Online catalogue of the Slavonic Library: <http://aleph.nkp.cz/cze/slk>.

The digitization results are available at the same address: at the end of 2015, a total of 16,300 document units from the SL collections were digitized (of which 2,127 units of early printed books); the SLC database includes 10,403 functional links to digital copies made as part of the project.

### SL aggregate data

5,570 document units were prepared for digitization during 2015; a total of 20,006 document units were prepared for digitization since the start of the project, and 5,843 document units were sent for digitization during 2015. Consequently, a total of 16,300 document units were sent for digitization since the start of the project (both figures as at 18 November 2015 – the last batch of 2015).

The Statistics of the Cataloguing since the Beginning of the Project

Year	The number of the records of the ORST	The number of the records of the SL	Total
2011	19,560	3,595	<b>23,155</b>
2012	20,301	4,643	<b>24,944</b>
2013	22,444	4,289	<b>26,733</b>
2014	24,977	4,689	<b>29,666</b>
2015	21,238	5,348	<b>26,586</b>
Total	<b>108,520</b>	<b>22,564</b>	<b>131,084</b>

### 3. Physical preparation of books for digitization as part of the Google project

In the Restoration Department of the National Library of the Czech Republic, a total of 16,590 books from the ORST and SL collections were inspected and mechanically cleaned in the period from 1 January 2015 to 20 November 2015. For the same period, 15,320 books were processed in the database.

The Statistics of the Books Entered in the Database by Category in 2015

	celkem	Category 1	Category 2	Category 3	Category 4
ORST	11,420	10,632	359	55	383
Slavonic Library	3,900	3,645	178	4	73
<b>Celkem</b>	<b>15,320</b>	<b>14,277</b>	<b>537</b>	<b>59</b>	<b>456</b>

The physical condition of historical book collections of the NL CR (ORST and SL) as part of the Google project

Total number of books entered in the database	15,329
Category 1: <b>No damage</b> (inspected and mechanically cleaned books) and <b>minor damage</b> with need for partial renovation (damaged cover, cracked groove, damaged flyleaf, loose stitching, loose and torn sheets, contamination)	Ca. 93 % of the total number of inspected books (14,277)
Category 2: <b>Partial restoration intervention</b> (lost cover, torn cover, cracked stitching – incompact, a number of cracks in the inner book)	Ca. 3.6 % of the total number of inspected books (537)
Category 3: <b>Comprehensive restoration intervention</b> (crucial damage of the bookbinding and the inner book)	Ca. 0.4 % of the total number of inspected books (59)
Category 4: <b>Withdrawn from digitization</b> (does not meet the required criteria, mould activity inspection)	Ca. 3 % of the total number of inspected books (456)

For the entire period of cooperation with Google in 2011–2015, a total of 144,483 books from the ORST and SL collections were inspected, mechanically cleaned and restored in the Restoration Department.

## EBSCO Discovery Service (EDS)

EBSCO Discovery Service (EDS) is a multi-search engine offering transparent, maximum user-friendly, easy access to all electronic resources of the relevant institution and to other metadata stored in the central index of the service. In the National Library of the Czech Republic, EDS is available to users since 2012 in full operation.

During 2015, the central index was further extended to include newly integrated databases with licensed contents or databases containing open access sources. Consequently, it now includes metadata from Oxford University Press, Darwin Books, ScieloBooks or Churchill Archive, while Europeana, European Union Open Data Portal or TOXNET were newly added as open access sources.

Thesauruses of leading bibliographic databases (such as Historical Abstracts, MEDLINE, Math-ScieNet, PsychINFO, etc.) were integrated in EDS to improve the relevance of entries. They help achieving more accurate search results through help function and the use of relevant synonyms. Consequently, they expand the search possibilities, as the search does not rely on the metadata record and a full-text search only.

2015 also marked the start of migration from the *AtoZ* tool for administration of available publications to the linking tool and the *Full Text Finder* new-generation list of publications, which will be fully integrated with EDS. It will thus offer the possibility to search for the relevant publication directly in the EDS interface, including an automatic help function about the availability of the relevant title in the library collection, etc. The migration concerns more than 9,200 EDS customers worldwide and will continue in 2016 as well.

EDS App Store was newly launched, offering the EDS customers a possibility to implement more than 130 applications focused on various fields, e.g. statistical tools, tools for development of search windows that can be inserted in the institution's website, tools for integrated library catalogues, etc.

The statistics show that the use of EDS in the NL CR continues to be at a very solid level. In 2015, we recorded 16,968 accesses, with a total of 4,611 full texts displayed and 4,470 connections made to local sources.

Authorized access to the full EDS contents is possible for the users of the NL CR from computers located in the library's reading rooms or through remote access. Host-type access is also available, allowing for the search through freely accessible data, while access to licensed content is not allowed. Podrobná statistika využívání multivyhledávače EDS v Národní knihovně ČR

Detailed statistics on the use of the EDS multi-search engine in the NL CR

InterfacelD/ Version	Year	Month	Sessions	Searches	Requests					
					PDF Full Text	HTML Full Text	Image/ Video	Abstract	Smart Link To	Custom Link
eds / live	2014	December	1493	75644	421	84	0	1056	18	255
eds / live	2014	November	1515	131086	368	67	2	1727	52	451
eds / live	2014	October	2972	110573	407	73	0	1548	102	444
eds / live	2014	September	1580	53936	167	28	0	537	16	264
eds / live	2014	August	889	63279	201	11	0	521	17	210
eds / live	2014	July	253	23369	173	18	0	219	9	103
eds / live	2014	June	1371	120309	227	46	4	1418	31	528
eds / live	2014	May	1306	102285	527	90	0	1473	97	378
eds / live	2014	April	1430	115298	380	79	0	1022	65	603
eds / live	2014	March	1444	112293	419	60	2	1005	35	521
eds / live	2014	February	1363	87648	380	51	0	734	8	336
eds / live	2014	January	1352	98517	273	61	0	724	26	377
<b>Grand Total</b>			<b>16968</b>	<b>1094237</b>	<b>3943</b>	<b>668</b>	<b>8</b>	<b>11984</b>	<b>476</b>	<b>4470</b>

## Ask Your Library

The year of 2015 marked literally a breakpoint for the *Ask Your Library* (AYL) service, because it went through substantial changes during the period. The most significant innovation for users was, without any doubt, related to the new design of the website which was, in cooperation with a graphics expert, adapted to make sure that the website provides guidance to the users and is transparent and attractive thanks to its creative layout. Promotional materials were also prepared together with the new website.

Another innovation brought three possibilities for asking a question, which are offered as an option to the visitor directly at the AYL homepage (<http://www.ptejteseknihovny.cz>). In addition to chat and questions based on the subject field, the users can now also ask regional questions. An interactive map of participating libraries is available to the visitors wishing to ask regional questions. Users also can comment on questions and answers, which are publicly available in an archive of AYL or like and share them via Facebook.

The launch of a mobile application for Android, which complemented the existing application for iOS-based devices, became the last user innovation.

A new question management module was prepared for libraries actively involved in the AYL service, which allows all operations with the questions or the library account update from a single point.

All these changes and innovations described above were launched in March 2015 and, in May of the same year, the NL CR won the INFORUM 2015 prize, which is awarded to the best and most important Czech product, service or action related to electronic information resources with relevance for the Czech or Slovak region, as appropriate.

As at 31 December 2015, 92 libraries were actively involved in the *Ask Your Library* service.

The NL CR received 977 questions in total for the past year; this figure includes questions sent via the relevant form and through comments. Chat received a significantly higher share of questions – it was used by 152 users wishing to ask a question in the NL CR.

The AYL service also regularly informs about its news and interesting events in the e-bulletin of the NL CR.



*The INFORUM 2015 prize awarded to the Ask Your Library service.  
Photo: Eva Hodíková*

## The eBooks on Demand Service in the National Library of the CR

The EOD service (e-books on demand) has been offered by the NL CR since June 2013. The library has thus become part of the international network of libraries involved in providing EOD. At present, it comprises nearly 40 libraries (mainly national and university libraries) from 12 European countries. The Universitäts- und Landesbibliothek Tirol in Innsbruck acts as the project coordinator.

EOD builds on the principle of document digitization based on a request from a specific customer and the subsequent availability of such document to general public. As a precondition, the book may not be subject to property copyright and the copy must be in good physical condition. As end-product, the service delivers an e-book, which is only accessible to the customer who requested and paid for its digitization, for a period of two months. It is provided in the form of a PDF-file with an OCR layer, which makes it possible to search in the document. Parts of texts or images can also be copied from the e-book. The NL CR offers for digitization ca. 180,000 book titles from its collections (NKC and STT databases) and from the SL collection (SLC database) issued in the period of 1500–1900 (exceptionally up to 1910).

After the two-month period, the electronic version of the document is published via a link in the online catalogue of the National Library of the Czech Republic (NKC and STT databases) or SL (SLC database). The FlippingBook application is used to display the documents. This application allows for the electronic documents to be read, search with a full-text function, saved or printed.

In 2015, we received 135 requests in EOD. We positively responded to 70 requests, which represents 15,072 scanned pages.

## Webarchiv and Project Creation of the National Digital Library

In 2015, the Czech web archive (Webarchiv) harvested and made accessible web resources in a total volume of 41,000 GB of data. We have concluded 271 new licence agreements with website publishers, which allow us to make accessible online a total of 306 new websites also outside of the premises of the National Library of the Czech Republic.

### IOP – project Creation of the National Digital Library

The project *Creation of the National Digital Library* was terminated; we entered the sustainability stage. It is essential to emphasize that the project successfully achieved the required indicator: more than 100 thousand volumes were digitized and stored, thus meeting the condition for receiving the grant in full. All digitized books are stored the guaranteed long-term depository and, as a result, preserved for future generations. By doing so, the Ministry of Culture became the leader in digitization. In 2015, we pursued our efforts to prepare the long-term depository for certification under ISO 16 363. The preparations consisted in the development of a part of position documents, educational plan and a gradual self-audit.

## Transition to new RDA cataloguing rules

After years of preparation, the new library standard – RDA (Resource Description and Access) cataloguing rules was introduced in the Czech cataloguing practice on 1 May 2015. These new international rules have already been implemented in a number of large countries, such as the U.S., Canada, Australia and Germany. Czech libraries have now joined their users. RDA rules represent the first step towards a change in the cataloguing policy. Their implementation in the Czech Republic was preceded by discussions of working groups for descriptive and subject cataloguing, for processing of continuing resources

and special documents, which was aimed at a specification of the methodology and at ensuring the possibility of shared cataloguing and copy-cataloguing within the Czech libraries network. Information about RDA is available from: <http://www.nkp.cz/o-knihovne/odborne-cinnosti/zpracovani-fondu/katalogizacni-politika/rda>.

The new cataloguing rules bring better cataloguing options for new types of documents and separate – unlike the initial rules – the contents, the media and the carrier. They are more user-focused and, in a longer perspective, they will allow transition to a linked data. For cataloguers, they are more demanding particularly as regards working with formalised names and, in the Czech Republic, also due to the fact that the entries for co-authors, translators and illustrators were extended following an agreement with libraries.

In the NL CR, the change was reflected in all databases including the Czech National Bibliography and the Union Catalogue of the Czech Republic, as well as in the services provided, e.g. the Uniform Information Gateway (UIG).

# From the Library's Main Activities

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## Acquisitions for Modern Library Collections

The ongoing acquisitions of collections, in particular on physical supports, were funded from specific-purpose non-investment grants from the Ministry of Culture in the amount of CZK 15 million. A specific-purpose non-investment grant in the amount of CZK 300 thousand was provided by the Ministry of Culture of the Czech Republic for the implementation of the project The Czech Library at the University Library in Bratislava and the Slovak Library in the NL CR; a grant amounting to EUR 12 thousand, provided by the Ministry of Culture of the Slovak Republic, was used for acquisitions of Slovak literature, on a reciprocal basis, for the collections of the National Library of the Czech Republic via the University Library in Bratislava (USK). A total of CZK 15,300 thousand was used from grants in this field.

Other sources of funding were obtained from project financing designed for securing access to electronic information sources (EIS) for science, research and innovation under individual licences for the National Library of the Czech Republic and for consortium licences providing access in other Czech libraries (LR programme of the Ministry of Education, Youth and Sports of the Czech Republic and LPIS 8/A of the Ministry of Culture of the Czech Republic). An amount of CZK 3,265 thousand was allocated by the library from the budget to cover its participation in these projects and its own EIS subscription. Project financing and selected joint participation of other libraries totalled CZK 28,889 thousand.

In spite of the total amount (CZK 32,154 thousand), the use of which for this field was administered by the National Library of the Czech Republic as an umbrella organization, the acquisitions of collections of physical supports have been suffering, in the long term, from a chronic lack of funds. The nominal level of available funds guaranteed by the budget has stayed roughly the same for many years. The real value is adversely affected by other factors, such as the continuous increase of prices for documents and subscriptions, the high VAT rate applicable to documents as well as EIS, inflation indices, exchange rate fluctuations, postage prices, etc. Within such financial framework, it is very difficult to design and implement a systematic and consistent acquisition policy. As a result, specific requirements from users as well as, partially, the institution's strategic objectives arising from its mission and the guaranteed information coordination remain open and unsettled as regards acquisitions of collections.

## Cataloguing the Modern Library Collections

The cooperation of three libraries with full legal deposit copies – the Moravian Library (MZK), the National Library of the Czech Republic (NL CR) and the Research Library in Olomouc (VKOL) – in the shared cataloguing project under AlephCluster continued.

The National Library of the Czech Republic strives to ensure a high-quality and up-to-date source for copy cataloguing. In 2014, the Union Catalogue of the Czech Republic offered, for the first time, daily harvesting of library entries through OAI/PMH. In 2015, the number of daily contributors increased to eight, being the National Library of the Czech Republic, the Moravian Library, the Research Library of South Bohemia in České Budějovice, the Research Library in Olomouc, the Regional Research Library in Liberec, the North Bohemian Research Library in Ústí nad Labem, the František Bartoš Regional Library in Zlín and the Moravian-Silesian Research Library in Ostrava. As a result, high-quality records from large libraries, processed at the recommended level, are now included in the Union Catalogue of the Czech Republic faster.

The Central Directory of Libraries and Information Institutions in the Czech Republic (CADR) was created by merging the ADR database with the Library Register of the Ministry of Culture of the Czech Republic. At the end of 2015, CADR contained 6,586 entries for "live" libraries, of which 5,508 public libraries.

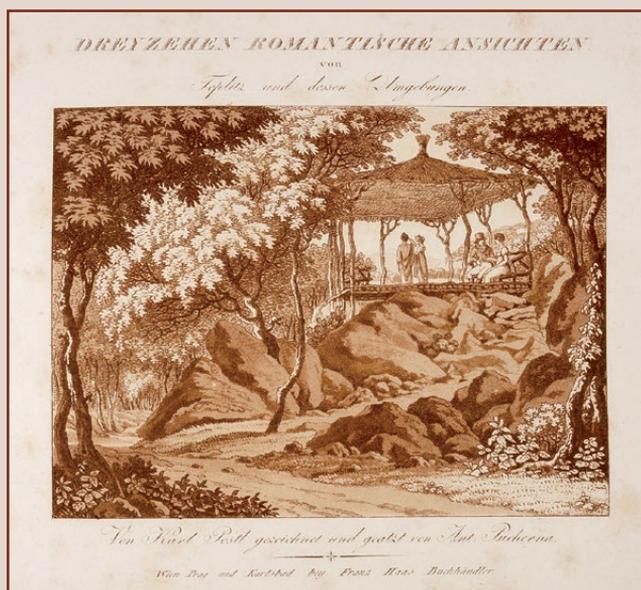
## Historical and Music Collections

### Acquisitions of Historical and Music Collections

In 2015, the Manuscripts and Early Printed Books Department (ORST) purchased ten early printed books and two modern manuscripts. Most of the newly acquired Bohemica comes from the Prague antiquarian bookshop Ztichlá klika. In the group of Czech-language printed books, we have a valuable unique copy of *Vejtah z dvanáctero Sybilliného prorocství ... (Extract from the twelve Sybille's prophecies)* (shelf mark 54 Se 398) from 1742, which was created in the workshop of a less famous regional printer Filip Jakub Mařan who carried out, for a short period of time between 1738 and 1741, his activities in Mladá Boleslav and possibly also in Kosmonosy. Only a few small printed books, mainly in unique copies, have been preserved from the Mařan's printer production.

The printed book *Historie o třech svatých obrazích ... (History of three holy pictures)* (shelf mark 54 Se 399) from 1746 by Jindřich Jan Lábe (1648–1693) offers interesting contents. Its author describes the history of several paintings located in a Franciscan order church in Bechyně in South Bohemia. For today's researchers, his publication is a source of original information having the nature of homeland study and, at the same time, it provides substantive evidence of the form of the Catholic religiousness of that time, manifested in worshipping of holy sculptures or paintings. Other Czech-language early printed books were acquired, in particular, to cover the needs to complement or clarify entries in the national retrospective bibliography, the so-called *Knihopis českých a slovenských tisků*. (Bibliography of Czech and Slovak Prints).

However, the top place among new acquisitions belongs to the uniquely preserved graphical album called *Dreyzehen romantische Ansichten von Töplitz ...* (shelf mark Sd 3353, issued between 1800–1808), containing thirteen engravings with views of the spa and surrounding nature in the North-Bohemian town of Teplice. Their visual models were made by the famous painter and drawer of nature motifs Karel Postl (1769–1818), and subsequently materialized by the engraver and graphic artist Antonín Pucherna (1776–1852). In addition to the undeniable artistic qualities, the above-described printed book offers also a rich provenance history. The album was initially a part of the collection owned by the industrialist and collector Jindřich Waldes (1876–1941). In 1939, its Jewish owner was arrested by the Gestapo and the entire collection was confiscated. After WWII, the collection became the property of the National Gallery, to be returned to Waldes' heirs in restitution after 1989. They subsequently decided to sell it to various private collectors.



Initial engraving in the graphics album *Dreyzehen romantische Ansichten von Töplitz ...* (shelf mark Sd 3353) with the name of its authors, Karel Postl and Antonín Pucherna.



*View of the small lake in the manor park in Teplice, on an engraving from the graphics album Dreyzehn romantische Ansichten von Töplitz ... (shelf mark Sd 3353).*

The acquisition included also one donation, namely the printed German version of *Obnovené zřízení zemské z roku 1640* (Vernewerte Landes Ordnung ... Erb-Königreichs Böheimb ..., shelf mark Sc 260). The book was donated to the National Library by Mr. Josef Fantl. The printed book contains abundant manuscript annotations of previous owners from the Hamburger which owned factories in Prostějov, or a graphical ex-libris by Karl Otto von Salm-Neuburg (1709–1766).

The earlier one of the two purchased manuscripts represents a compilation of copies of fraternal printed books. It comes from the 17<sup>th</sup> century (shelf mark XVII J 64) and contains:

- a versed book of ethics *Mravy ctnostné mládeži potřebné* (the printed form was first published in the Kralice printing house somewhere at the turn of the 17<sup>th</sup> century and was preserved in a single defective copy, to be issued for a second time, in a slightly modified version, by the priest and bishop of the Unity of the Brethren, Matouš Konečný, in 1618);
- catechism *Otázky pro malé děti pravého náboženství křesťanského*;
- a yet unidentified text *Škola dětinská neb správa, co se mládeži nejvíce má předkládati*.

This compilation was initially owned by an important collector Rudolf Hlava (1911–1988) from Semily. The second manuscript was written in 1794 and is called *Ordentliches Heyraths-Büchlein* with a subtitle *Hochzeit oder Braut Werbungs Büchel, wie man eine Braut werben soll und kann* (shelf mark XVI D 80). Its writer and author, in one person, was Ludwig Seemann from Meisterdorf. In his work, this folk



*Veduta of a famous pilgrim place Bohosudov (Mariaschein) on an engraving from the graphics album Dreyzehn romantische Ansichten von Töplitz ... (shelf mark Sd 3353).*

marriage organizer included instructions for how to pair off with a bride, how to address her and first find out whether she has not given her word to someone else, how to address her parents and siblings, and other courting methods.

For the collection of the Music Department (MD), we purchased three manuscript sources and three rare printed books in 2015. The first one is the manuscript of the *Originální škola prof. Otokara Ševčíka* (*Original School of prof. Otokar Ševčík*) from 1877 with his signature. The work of Otokar Ševčík is a fundamental pillar for studying the violin play, and this manuscript school enlarges the source materials available for a research into his figure. Important acquisitions include also two copies of spiritual pieces of Bohemian origin: Offertorium by Jan Antonín Koželuh and Salve Regina with no author's name. Both manuscripts come from a single copyist, Josef Nechleba, and date back to the beginning of the 19<sup>th</sup> century. Further investigation of these manuscripts will clarify the yet undetermined points of origin.

Three printed books were purchased as acquisitions for the reference library of the Department. The Richard Pohl's printed book called *Das Karlsruher Musikfest im Oktober 1853* is a testimony of the German composer and musicologist, who was in contact with important figures in the music world and worked also as a recognized music reviewer. In the publication, under the pseudonym Hoplit, he gives a critical opinion on the new work by Robert Schumann. Printed books are seldom found in libraries.

The second printed book from 1757 is the first German translation of the work *Éléments de musique théorique et pratique* by Jean le Rond d' Alembert. It deals with the discoveries and principles of the 18<sup>th</sup> century composer and founder of the harmony science, Jean Philipp Rameau. Since MD has added the new edition of this composer, the theoretical document about his work is an appropriate complement to the collection.

The third printed book purchased concerns the second edition of the inventory and images of musical instruments since the Middle Ages, which is one of the main sources to study the history of organology in the 18<sup>th</sup> century. The author of the document called *Gabinetto Armonico Pieno d' Instrumenti sonori*, Filippo Bonanni, was a teacher of humanities in Orvieto, of philosophy in Ancona and a librarian for the Roman college. The publication from 1723 contains 153 images of musical instruments and two copperplate frontispieces with a musical iconography.

## Knihopis

2015 brought many major changes for the national retrospective bibliography and, more specifically, for *Knihopis českých a slovenských tisků* (*Bibliography of Czech and Slovak Prints*, KPS). First of all, the ownership to the electronic version of KPS was transferred. The update of the original database *Knihopis-Digital*, which was managed by the Cabinet for Classical Studies of the Institute of Philosophy at the Academy of Sciences of the Czech Republic (KKS FLÚ AV ČR; KKS) since about 2003, was suspended and the database contents were handed over to the National Library of the Czech Republic where a new database *KPS-Knihopis* was created in Aleph to become the successor of *Knihopis-Digital*. Cooperation with KKS was terminated and its representatives will no longer be involved in further development of KPS. The agreements and contracts concluded between the two institutions in the past years ceased to be valid. The Knihopis editorial team in ORST is now the only administrator of the electronic KPS.

During 2015, adjustments of the bibliographic data obtained from KKS were carried out on a continuous basis. We corrected technical errors as well as numerous formal deficiencies concerning the structure and format of the bibliographic entries. In addition, we proceeded to update the data and functions of the KPS database (e.g. interconnection with the Union Catalogue of the Czech Republic, integration of links to scanned pages of the original printed form of KPS created under NDL, specification, consolidation and update of abbreviations used by owners of the different items of Czech-language early printed books or completion of entries for Bohemica incunabula from the 1986 inventory made by Emma Urbánková). In parallel, the processes established in the past continued (e.g. linking bibliographic entries to the digital copies of the respective items of early printed books from the collections of the National Library of the Czech Republic). Partially edited entries for letters N, T–Ž were successfully imported into the KPS database in 2015. In total, the KPS database now contains over 1,400 entries for alphabetical Supplements.

Our co-participation in the project *Knihověda.cz: Portál k dějinám české knižní kultury do roku 1800* (*Portal to the history of Czech book culture until 1800*), which successfully applied for a grant

under the NACI programme, will represent an important milestone for the future of KPS. In the period 2016–2021, KPS will thus be closely cooperating with the Library-Science Department of the Academy of Sciences of the Czech Republic and awaiting a merge with *Bibliografie cizojazyčných bohemikálních tisků 1501–1800 (Bibliography of foreign-language Bohemica printed books, BCBT)*. These activities will be accompanied by systematic work on completing the alphabetical supplements and adjusting the numerical supplements.

## CERL – Consortium of European Research Libraries

Cooperation with CERL, which started in 2012 in cataloguing of early printed books issued ca. in the period 1455–1800, continued in 2015 as well. The National Library of the Czech Republic provided 36,983 entries for Hand Press Book (HPB), the European electronic catalogue – <http://www.cerl.org/re-sources/hpb/main>. In total, 135,329 entries for early printed books have already been made accessible in CERL from the National Library of the Czech Republic.

## Union Musical Catalogue (SHK) and RISM

Our cooperation with the International Inventory of Musical Sources (RISM) continued in 2015. 3,034 units from the collections of the National Library of the Czech Republic, the National Museum – Czech Museum of Music, the Library of the Prague Conservatoire, the Czech Radio Archive and the Moravian Museum – Music History Department were stored in the online electronic catalogue – [www.rism.info](http://www.rism.info). Upon their transfer, the entries registered in SHK, which has been built in the National Library of the Czech Republic since 1965 already, are subject to an in-depth review and correspond to the current state of research into musical sources. They include also studying of watermarks on the music papers, which resulted in the development of a database of filigrees in musical sources registered in SHK, available at <http://aleph.nkp.cz/web/watermarks/cze/intro.htm>.

## Digitization of the Collection of Cartographic Sources

Digitization of all map sheets from the Lobkowitz map collections and other early maps from the ORST collection, with a total of 410 map sheets, was completed during 2015; it included also digitization of small-format globe bands. In the four-year cooperation with the Research Institute of Geodesy, Topography and Cartography (VÚGTK), we digitized 1,900 map sheets which were continuously processed (including geo-reference allowing their classification in geographical search) and subsequently made accessible online as part of the Virtual map collection, one of the outputs from the project on *Cartographic sources as cultural heritage*, funded by the Ministry of Culture of the Czech Republic under the NACI programme aimed at designing and testing new methods for digitizing and making accessible cartographic works in web applications (e.g. GIS).

Digital maps can be used to reconstruct the historical landscape or residential structures; they are accessible for general public at [www.chartae-antiquae.cz](http://www.chartae-antiquae.cz) in the Research Institute of Geodesy, Topography and Cartography. Here the users can search by territorial or time relevance and the scale, where appropriate, in the series of map collections – in this manner, the Lobkowitz map collection and other early maps from the ORST collection will now be presented on the internet to ensure their visibility. The cooperation between the National Library of the Czech Republic and the Research Institute of Geodesy, Topography and Cartography should continue by selective processing of a later part of cartographic collections.

## Manuscriptorium

Manuscriptorium, the European digital library of manuscripts and other historical documents, made accessible by the National Library of the Czech Republic and, at the same time, a virtual research environment for working with historical collections, was further extended in 2015, and included historical documents digitized in the LPIS 6 sub-programme (89 comprehensive digital documents containing 41,104 images), as well as regular batches of documents from existing partners.

At the end of 2015, Manuscriptorium contained: 398,215 CE (catalogue entries) and 46,605 CDD (comprehensive digital documents).

As part of the Manuscriptorium development, connectors were made for two digital document providers (the Austrian National Library in Vienna, Austria, and the Zagreb University Library, Croatia) and a Manuscriptorium client application for mobile devices was developed. Several instruments for further aggregation and making accessible of digitized historical documents were developed within institutional research: the LPIS 6 package validator, EOD converter, the generator of deposit location identification including the shelf mark code and CRC, the digitization register for historical documents (stage I – analysis), the URI resolver for historical documents, as well as the positioning and viewing of search words in the images of the Manuscriptorium digital documents (stage I – analysis). As part of the institutional research, we also developed pilot instruments to support crowdsourcing of metadata related to information in images, on one hand, and instruments to support cooperative publishing in the virtual exploration environment of Manuscriptorium, on the other hand.

In connection with the European project called CENDARI, to which the National Library of the Czech Republic was a partner, a pilot software for Manuscriptorium was developed and tested to allow automatic harvesting of websites in the area of written cultural heritage, and two thematically structured guides of manuscript materials: *Medieval Preaching in Central-European Manuscript Collections* and *Geography and Natural Sciences in Central-European Manuscript Collections* including cross-linking to other sources were completed and published.

Based on the project *Mass Digitization of Historical and Rare Documents in Cooperation with Google*, digitized documents were converted to Manuscriptorium. The digitized forms of historical maps created in cooperation with the Research Institute of Geodesy, Topography and Cartography in Zdíby were also transferred to Manuscriptorium.

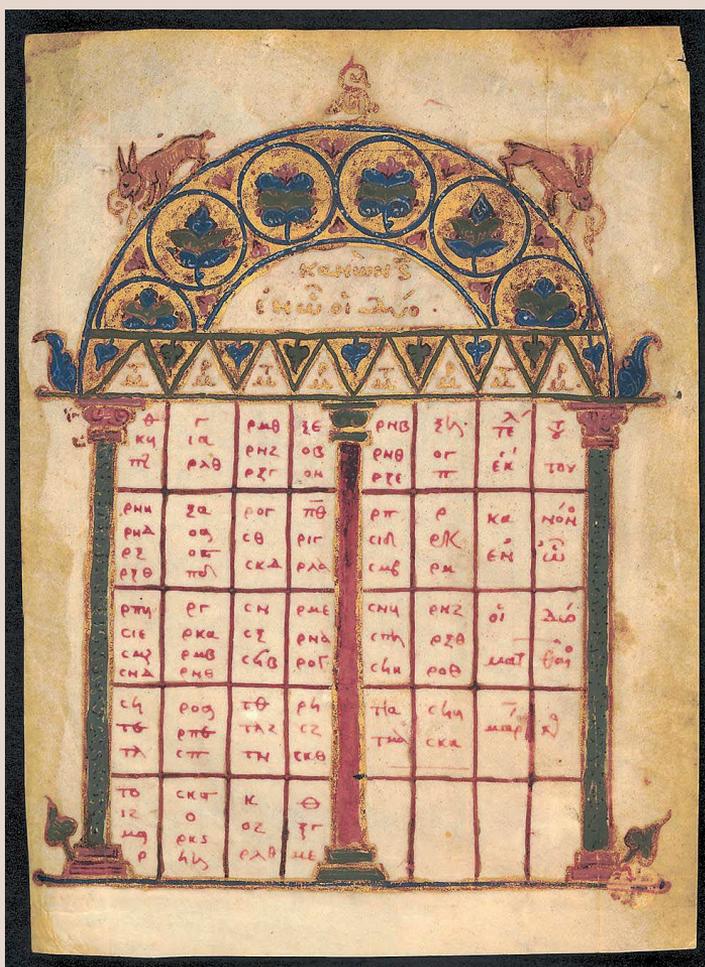
## Slavonic Library

The Slavonic Library (SL) is a publicly accessible specialized research library in the field of Slavonic studies and the issues of Slavonic countries. The SL is a division of the National Library of the Czech Republic, which cooperates with other components thereof in fulfilling its statutory tasks.

As a result of the ongoing revitalization of the Klementinum, a part of the SL collections was moved to the newly built depository in the wing along the Křižovnická street in the second half of 2015. This allowed us to vacate the depositories in another Klementinum wing, which were handed over to the contractor for reconstruction.

The main expert project, to which SL devoted its attention, was its participation in the ongoing project *Mass Digitization of Historical and Rare Documents in Cooperation with Google*. During the year, the library staff prepared cataloguing records for 5,348 documents, and 5,843 documents were digitized. As part of the project, SL started digitizing early printed books (of which 2,127 have already been digitized) as well as documents from less than 140 years ago, provided they meet the copyright protection criteria defined by Google. Since the start of the project, a total of 16,300 document units from the SL collection have been digitized.

The project concerning digitization of books issued by Russian, Ukrainian and Belarus émigrés to Czechoslovakia in the period 1918–1945 and the book production of local émigré publishing houses, which is a part of the programme to build the National Digital Library, continued for a second year.



List of synoptic tables 6–9 from an unknown tetraevangel manuscript from the turn of the 12<sup>th</sup> century – the oldest document deposited in the SL collection.

496 books from that provenance were handed over for digitization during the year. Since the start of the project, 959 documents have been digitized. Their electronic copies are available in the Kramerius 4 digital library.

Three historical manuscripts and four valuable early printed books from the SL collection were digitized in 2015 as part of the LPIS 6 programme. They included the ever oldest document deposited in the SL collection – a parchment sheet containing synoptic tables 6–9 related to evangels, written in Byzantine Greek, which comes from an unknown tetraevangel manuscript from the turn of the 12<sup>th</sup> century. Electronic copies of all these digitized historical documents are included in Manuscriptorium, the digital library of manuscripts and early printed books.

The SL continued in classification and cataloguing of its special collections. The cataloguing of a larger part of the SL's poster collection (approximately 800 posters) was completed, and the cataloguing of the photographic archive of Rudolf Hůlka was as good as completed. This archive contains nearly 4,400 separate photographs and 158 cine-film rolls from the 1920's capturing, in particular, the regions of Subcarpathian Rus , eastern Slovakia, Moravian Slovakia and eastern Moravia. The contents of that collections were used as the basis for the brochure *Rudolf Hůlka: Fotografie Rómov z Podkarpatskej Rusi zo začiatku 20. storočia*, which was issued together by the Slavonic Library and the Regional Centre for Roma Issues in Prešov. The Hůlka's photographs were also the topic of the exhibition *The Lost World of Subcarpathian Rus : The Lens of Rudolf Hůlka*, which was held in the atrium of the Harriman Institute attached to the Columbia University in New York between 16 September and 15 October 2015.

The implementation of the project *The Czech Library at the University Library in Bratislava and the Slovak Library in the National Library of the Czech Republic*, which is guaranteed by the Czech and Slovak Ministries of Culture, continued for the ninth year. In 2015, the Slavonic Library acquired a total of 428 volumes of Slovak books through the project funds.

Given the permanent significant under-financing of the budget line intended to cover the acquisition of library documents, the scope and quality of acquisitions for the SL are, to a certain extent, dependant on donations of books. 2015 was very favourable from this point of view. SL completed the classification and cataloguing of the private library of Prof. Michal Reiman, which the library received in 2014. A total of 1,759 books, separates and volumes of periodicals were included in the SL collection, and 1,024 documents were added to the duplicate collection. The remaining items were offered first to the Faculty of Social Sciences of the Charles University in Prague and then to other interested persons. The collection was significantly enriched by several donations with artistic and creative topics: 136 volumes were donated to the SL by the State Tretyakov Gallery in Moscow, 51 volumes by the Science and Research Institute of Theory and History of Arts of the Russian Academy of Arts and 34 volumes by the Likhatchev Russian Science and Research Institute for Cultural and Natural Heritage. The publisher German Titov donated to SL all missing volumes of the *Biblioteka moskovskogo kontseptualizma Germana Titova* series he issues. Generous book donations to SL were traditionally provided by the Memorial association, the Institute of Slavonic Studies of the Russian Academy of Sciences and the Polish Institute in Prague. From the southern Slavonic region, special recognition belongs, among other, to Slovenska matica (Ljubljana), which donated 56 volumes, and the Sarajevo-based organization Bošnjačka zajednica kulture Preporod, which donated 70 volumes to the SL.

Seven specialized cultural events were organized and co-prepared by SL during 2015. The International Round Table co-organized by SL and the Institute of Slavonic Studies of the Academy of Sciences of the Czech Republic at the occasion of the 120<sup>th</sup> birthday anniversary of P. N. Savitski marked the most important one of those. The expert Rudolf Medek Prize was awarded for the seventh time. As a result of discontinuation of activities by the previous partner, Nadační fond angažovaných nestraníků, the 2015 prize was handed over by SL and the civic association Russian Tradition together. For 2015, it was awarded to Marta Dandová, archivist and literature historian, and to Raisa Machatková, archivist and historian. The cultural activities of SL continue to be largely limited by the ongoing Klementinum revitalization.

## Librarianship Institute

At the beginning of the year, all websites of the Librarianship Institute (LI) were migrated to a new editing system, including the development of new graphics. These websites include: the Information for Libraries (IfL) portal, the Library and Information Science subject gateway KIV, as well as the TDKIV terminology database and the LPIS website. The TDKIV database was presented in the poster section of INFORUM.

Reviewed articles from the periodical *Knihovna: knihovnická revue* were translated into English in cooperation with the authors. Thanks to these efforts, the magazin was included in the list of a prestigious database of scientific periodicals The European Reference Index for the Humanities and the Social Sciences (ERIH PLUS) in 2015. A new editing system and a new website presentation were launched for the *Knihovna* (Library) magazine.

In 2015, the Education Department organized computer courses from the LIPS 2 grant and prepared dozens of trainings, workshops and lectures on current topics in our field intended for the staff of the National Library of the Czech Republic and others. The Department was involved in the activities of the Sector Council for Culture in the *National System of Occupations II* project. In connection with the *National System of Qualifications* project, LI applied for authorization under the Act on the Recognition of Further Education Results. The National Library of the Czech Republic confirmed its interest in becoming an authorized person under Act No. 179/2006 Coll. LI cooperated in the preparations of the Lifelong Learning Policy for Library Staff.

The third issue of the *Good Library Standard* guide was issued thanks to the grant from the Ministry of Culture of the Czech Republic. The grant was also used to support the drafting of texts for the forthcoming Senior Friendly Standard, which defines requirements to be met by libraries in order to obtain the label of a senior-friendly institution.

LI carried out all activities related to the role of the LPIS Coordination Centre. It also coordinated the implementation of the 2011–2015 Development Policy for Libraries in the Czech Republic including its evaluation. LI organized the preparations for the new 2016–2020 Development Policy for Libraries in the Czech Republic and, in this connection, an extended meeting of the Central Library Council of the Czech Republic was held in Třešť. The *Library Benchmarking* project was successfully developed with the participation of Slovak libraries (310 participants in total). New indicators were implemented in the database to compare the performance of the libraries.

The 2014 remunerations were calculated and paid to authors for loans in the libraries of the Czech Republic under the Copyright Act (No. 121/2000 Coll.), and the remunerations arising from collective licence agreements for audio media loans in the libraries of the Czech Republic were paid. Work on the development of the Central Directory of Libraries of the Czech Republic was carried out in cooperation with the Department of the Union Catalogue of the Czech Republic, using the data from the Library Register of the Ministry of Culture of the Czech Republic.

The award ceremony for the 2015 Library of the Year took place in the Mirror Chapel of the Klementinum on 18 October 2015. The ceremony included also the award of the SKIP prize for the 2015 Municipal Library of the Year and the Czech Librarians Prize, which was awarded by SKIP to the Goethe-Institute Prague for its long-lasting cooperation with Czech libraries.

## Projects and Programmes

### Research and development in the National Library of the Czech Republic

Institutional research: Development of the NL CR as a research organization

Project duration: 2010–2015

Coordinator: Adolf Knoll

Financial support: Ministry of Culture of the CR

URL: <http://www.en.nkp.cz/about-us/projects-and-programmes/institutional-research>

The NL CR follows its long-term research and development policy, initially prepared for the period of 2010–2015. In 2014, a follow-up *2016–2020 Development policy for the National Library of the Czech Republic as a research organization* was prepared to guide the Library's activities in the following period. In 2015, the National Library of the Czech Republic had the opportunity to apply for additional funds for its development as a research organization from the so-called costs of unused expenditure of the establishing authority. Thanks to the increased funds awarded, we were able to make significant progress in solutions in several areas (1, 3 and 4).

In accordance with the existing policy, the NL CR dealt with the following six areas in 2015:

#### **Area 1. Improvement of the Virtual Research Environment of the Manuscriptorium**

Project duration: 2010–2015

Project leader: Zdeněk Uhlíř

In 2015, several instruments for further aggregation of and access to digitized historical documents were developed within institutional research: the LPIS 6 data package validator, EOD converter, the generator of deposit location identification including the shelf mark code and CRC, the digitization register for historical documents (stage I), the URI resolver for historical documents, as well as the positioning and viewing of search words in the images of the Manuscriptorium digital documents (stage I). We also developed instruments to support crowdsourcing of meta data about information in images, on one hand, and instruments to support cooperative publishing in the virtual exploration environment of Manuscriptorium, on the other hand. As part of the development of the Manuscriptorium system, we created a Manuscriptorium client application for mobile devices, as well as two connectors for the Manuscriptorium system in order to connect new Manuscriptorium partners (the Austrian National Library in Vienna and the Zagreb University Library). In connection with the European project called CENDARI, to which the National Library of the Czech Republic was a partner, a pilot software for Manuscriptorium was developed and tested to allow automatic harvesting of websites in the area of written cultural heritage. Based on the project concerning *Mass Digitization of Historical and Rare Documents in Cooperation with Google*, digitized documents were converted to Manuscriptorium. In Manuscriptorium we also included the documents created in connection with the project of *2015 Digitization of historical documents of the National Library of the Czech Republic* under the LPIS 6 sub-programme and the data from other institutions, which received grants from LPIS 6, as well as the digitized form of historical maps developed in cooperation with VÚGKT. At the end of 2015, Manuscriptorium contained 398,215 catalogue entries as well as 46,605 complex digital documents.

#### **Area 2. Long-Term Preservation (LTP) of Digital Documents**

Project duration: 2010–2015

Project leader: Zdeněk Vašek

Research continued in developing a system of persistent identifiers for digital documents. In 2015, the Library was successfully certified for the *Methodology for the allocation and life-cycle management of unique persistent digital document identifiers under URN:NBN standard* of the Ministry of Culture

of the Czech Republic. The experience gained during the research in the field of long-term protection of digital documents was used in the preparation of extended comparison-based study of selected national identification systems using URN:NBN identifiers. The study represents the broadest based comparison of European identification systems in the field of URN:NBN identifiers, which has been published so far. A study trip to the National Central Library in Florence was undertaken to obtain information to this end.

A feasibility study was conducted to describe the possibilities of connecting the ČIDLO system in the international cluster led by Deutsche Nationalbibliothek. The study analysed the technical conditions for interconnecting the two solutions and described important aspects of the architectural solution of a URN:NBN cluster, in particular from the perspective of integrating the two systems. Subsequently, it defined requirements for their integration. The study concluded that the National Library is able to operate a part of the international URN:NBN cluster provided that an integration layer between the CZIDLO URN:NBN Resolver and the NRS master component of the URN:NBN cluster is prepared, which entails only a minor adjustment to the system. Thanks to the connection to the international URN:NBN cluster, the National Library users could, from a single interface, have access to the database of digital documents with URN:NBN identifiers from Germany, Switzerland, the Netherlands and Sweden. Involvement of additional libraries now depends on the budgetary situation of Deutsche Nationalbibliothek, which administers the entire system and, at present, does not have the capacity for further enlargement. This situation is expected to subside in 2016. The system offers the advantage that it does not consist in sharing of own databases or rules, but only in sharing of database copies. Consequently, the operation of the different national solutions of the URN:NBN system is not affected in any way by the sharing. There is also the possibility of separate sharing of database copies with BNCF.

Because of the potential extension of scope of the ČIDLO system to include specialized on-line periodicals and research/university institutional data repositories, which was one of the reasons why the URN:NBN identification system was established at the international level, an analysis of file formats and university repository rules was carried out. The repositories and information systems of the Charles University and the Masaryk University were analysed in a greater detail. The necessary steps defined to ensure that the ČIDLO system can be used by university repositories in the future. In terms of organizational and technical aspects, it was ensured that the interconnection is possible; the system of the Masaryk University appears to be particularly suitable to this end; preliminary negotiations about testing possibilities were also held with the representatives of the Charles University.

A total of 285,923 digital documents were registered in the ČIDLO system during 2015 and nearly 100 institutions, mainly libraries, participated in the system.

### **Area 3. Archiving of and Access to Harvested Websites**

Project duration: 2010–2015

Project leader: Zuzana Kvašová

The activity deals with the research of formats suitable for web data storage in terms of long-term preservation and with the possibilities of their storage in the LTP system (processing prior to ingest; analysis and design of automatic ingests of processes into the LTP system; metadata profile settings and automatic metadata extraction from both internal and external sources). The data acquired during web archiving are also related to the need to create a corresponding archiving model, to store data in the METS format along with metadata, etc. Based on an analysis of suitable format analysis tools, which will make it possible to describe the profile of the stored data, the different tools were tested on a representative sample and their outputs were compared. As regards planning for a long-term preservation and the development of a strategy to secure such planning, two fundamental steps were taken – the definition of the so-called designated community (a group determined according to the OAIS standard) and the creation of an archive profile design. The WA KAT application was developed in 2015, providing for semi-automatic cataloguing and a possibility to define the rules determining the depth, restrictions and technical deviations in website harvesting. This application made it possible to streamline the bibliographic description of web sources and their acquisition.

#### **Area 4. The Development of the Methodologies for the Preservation, Conservation and Restoration of Library Collections (Both Historical and Modern)**

Project duration: 2010–2015

Project leader: Petra Vávrová

In 2015, the central base forms were adjusted, the procedures for explorers – work guidelines were prepared, the database was improved and the electronic form for the inspection of the physical condition of the volumes of modern library collections was complemented, which all resulted from the practical use of the database. Research continued in relation to plastic book bindings and covers and simple tests of mechanical and optical properties (light stability) were carried out for these materials.

We focused on verification of the results from the inspection of the physical condition of the modern library collections, in particular the pH value obtained through two different methods, a comparison of pH values using a contact electrode in the research of the modern library collections and using the SurveNIR measuring system. We examined over 30,000 volumes of books at different levels of inspection of their physical condition.

Certification applications were filed for the complemented methodology for preparing modern library collections for deacidification as well as for the methodology for preparing historical printed books for digitization. The methodologies will allow libraries and institutions having in their holdings both modern and historical library collections to prepare for digitization and deacidification.

Research of library collections shows that significant degradation has been manifested not only with newspapers and other documents from the 19<sup>th</sup> century and the first half of the 20<sup>th</sup> century, but with later publications as well. The knowledge of the scope of damage of the conservation collections and of the degree and rate of further gradual degradation with age, material or storage is insufficient. We therefore focus on the research of the physical condition of the collections (whether in the form of simple quick survey or specialized, scientific, instrumental research), we work with the parameters of the knowledge database, monitor the air quality in the depositories and the effect of light on paper materials, we develop and verify the methodologies of preservation, conservation and restoration of library holdings and we improve the methodologies and analyses of library book collections. A total of more than 220,000 book items have been examined since 2010. For example, we select materials characterising modern collections, which will be deacidified by deacidification methods available in the world (group-based as well as individual), books, which need a protective cover to be made, etc. In addition, the information from the database were used to select books with specific parameters, such as leather or half-leather binding, type of damage – damage of the headband, etc., for the purpose of specific restoration and conservation interventions. In practice, the database thus serves for a quicker, more efficient and primarily specific selection of book items for specific restoration and conservation interventions, which is very efficient and accelerates work in taking care of extensive modern library collections. Also the use of statistics obtained from the database is highly valuable given the extensive scale of the collections; the filter functions are often used by OOKF (Collections Preservation Division) staff to acquire the relevant data. With the increasing number of items examined over the years, these data become more accurate and relevant. Assignments such as the evaluation of the condition, detailed research and proposal of measures to improve the quality of care for national cultural monuments – *Codex of Vyšehrad (Codex Vyssegradensis – CV)* and *Passionnal of Abbess Kunigunde (Passionale abbatissae Cunegundis)* have become the main objective of the care for historical collections. We continued in non-invasive research of CV, in which we focussed on material research of the colour layer. It was photo documented through 3D microscopy using a HIROX 3D multifunctional microscope; the National Library of the Czech Republic progressed in identification of gilding with the x-ray fluorescence analysis method using Niton XLT. In addition, we also continued in the restoration and chemical-technological research of CV and monitored the situation of areas following the colour layer fixation, which was carried out in 2014. In 2015, CV was – following a detailed inspection of its physical condition – exhibited and, after the termination of the exhibition in Klementinum, its physical condition was again subject to inspection and the Codex was stored in the vault room.

## Area 5. Research on the Cultural Heritage and Book of Late Medieval Bohemia

Project duration: 2013–2015

Project leader: Kamil Boldan

The main goal of the research is the processing of two book monographs. The first monograph deals with typographical official broadside folios from the period of the Jagiellonian dynasty and the issues of using the broadside folio medium in late Middle Ages (*Tištěné úřední jednolisty jagellonského věku*); the other monograph focuses on the personality of the university Master and the long-lasting administrator of the Utraquist clergy Václav Koranda Jr. and on the book culture in the periods of George of Poděbrady and the Jagiellonian dynasty (*Václav Koranda ml. a proměny komunikace v jagellonském věku*) (to appear in print in 2016). Both researchers published several preparatory studies and provided additional contributions to press or presented them at specialized conferences. In addition, they published articles on the benefits brought to the CV research by Jan Erazim Vocel and Max Dvořák. The Publishing Department of the NL CR received, for editing, an extensive *Soupis středověkých latinských rukopisů Národní knihovny ČR* (List of Medieval Latin Manuscripts of the National Library of the Czech Republic), which covers new items since the printed catalogue of Josef Truhlář was issued in 1905 and 1906.

The NL CR is a member of Text Encoding Initiative (TEI) consortium, which designs and maintains a standard for the representation of historical texts in electronic environment, including a standard for manuscript descriptions. A member of the research team participated at a consortium meeting in Lyon and held preliminary discussions on the possibilities of adjusting the standard to better suit the needs of describing copy features of medieval books. As part of the cooperation in relation to the Einbanddatenbank database, which is being built by Staatsbibliothek zu Berlin and which aims at mapping down all late Gothic and Renaissance book binding shops and their tools of art, condition inspections of late medieval book bindings decorated with the technique of blind stamping in Czech institutions was completed. In addition to numerous Prague institutions (primarily convent libraries), the inspection covered book bindings in collections held in approximately 50 outside-of-Prague archives and museums and roughly a thousand pencil proofs of the blind stamping decorations of the bindings were made. Processing and classification of *Bohemica* binder's tools according to the Einbanddatenbank criteria continued. As part of a work meeting during a conference on the history of book bindings, which took place in Darmstadt, the next steps for entering the *Bohemica* material in the database were agreed with the project coordinator.

## Area 6. Research on Book Culture in Early Medieval Bohemia

Project duration: 2013–2015

Project leader: Alena Richterová

The research carried out by five researchers from among the staff of the ORST focused on three thematic areas. The first one monitored the transformations in media communication in Bohemia on the threshold of the Modern Period. The last year of the three-year project was devoted to completing the research of both archive and book collections held by domestic as well as foreign institutions, with particular emphasis on the collections of the Austrian National Archive in Vienna (the Haus-, Hof- und Staatsarchiv Department). During a study stay, transcripts of texts were made from the acquired photocopies and, on a continuous basis, from electronic sources, with focus on news about events in Prague and at the empire court during the period under review, the analyses and mutual comparisons of which will allow for a gradual development of modern communication media.

The second thematic area dealt with the research on the genesis, history and composition of the Czernin family library. In the third year of the project in the field of manuscripts, the cataloguing of Czernin manuscripts continued for the purposes of a forthcoming printed catalogue, which will comprise a total of 252 shelf marks found in 298 volumes. The cataloguing is scheduled to be completed by the end of 2016; the catalogue itself (editing of entries, historical preamble, creation of an index structure and other particulars, including a review procedure) should be completed in 2017.

In the field of printed books, we completed the identification and cataloguing of Czernin early printed books in the yet unprocessed part of the Prague Lobkowitz Library. Subsequently, we initiated editing

tasks on the planned catalogue of printed books from the 16<sup>th</sup> century. We researched collections in the National Archive (NA) in Prague; specifically, we were able to find additional catalogues of Czernin libraries in the collection Fideicommiss files. Consequently, we have mapped probably all preserved inventories and catalogues of the Czernin Majorat Prague Library and other Czernin libraries, which entered into the Prague Lobkowicz Library; at the same time, copies were made of all inventories and catalogues found. In the last research year of the third topic devoted to the collection of maps coming from the Prague Lobkowicz Library, we secured all original shelf marks of the Lobkowicz map collection and other provenance signs, which confirm the Lobkowicz provenance as well as prove the previous owners. We researched personal materials of members of the Hořín-Mělník family branch in the Austrian National Archive (Kriegsarchiv Department) in Vienna, focussing on possible connections with specific titles in the collection. At the Bibliotheca Antiqua conference held in Olomouc, we presented a contribution summarizing the research results, which focus primarily on the fate of the collection in the National Library of the Czech Republic, the issue of provenance and the manuscript maps preserved in the collection. A proposal for a *Lobkowiczská mapová sbírka* (Lobkowicz Map Collection) monograph was filed to the Publishing Department for the 2016 publishing scheme of the NL CR.

In addition, the cataloguing confirmed the presumed Lobkowicz provenance of the collection due to the presence of signed copies or stamps. An important finding concerned the identification of a copperplate template in the collections of the Vienna-based the Austrian National Library for one of the manuscript maps in the Lobkowicz collection, or identification of missing sheets of defect copies. The presence of larger files of military maps will probably make it possible to relate the relevant copies to specific activities of the different family members.

## Research and Development Programme Projects

### National Projects

#### **Tools for Making Accessible the Printed Texts of the 19<sup>th</sup> century and of the First Half of the 20<sup>th</sup> Century**

Project duration: 2011–2015

Project leader: Tomáš Foltýn

Financial support: Ministry of Culture of the CR, NACI programme

In 2015, the project reached the final stage of its implementation. During the final research work, the existing development concept was confirmed in relation to the functioning of software tools: transliteration software tools, the lemmatiser software tool and the software tool supporting the recognition of Czech Fraktur typeface. In connection with the search system (Lucene), the lemmatisation tool provides a new text indexing function, in which words in various grammatical forms are converted to their basic form – lemma, and reverse search where all occurrences of a word entered in any form are looked up in text files, including older texts. The transliteration tool allows the user to search for older/modern forms of the words entered.

Based on the initial considerations when designing the project in 2010, these software tools should operate fully autonomously and be used outside of the central tool called Historical Text Corrector (HITECO). During its implementation in 2014 already, it proved more efficient to include also the other software tools referred to above directly in HITECO, although those tools are in consistence with the project implementation and can also operate autonomously. In the future, HITECO can thus function not only as the central solution for text corrections and generation of fully-fledged OCR outputs, but also as an integration tool to integrate external vocabularies, lemmatisation tools and samplers of older Czech printed scripts.

The final extension of lexical databases capturing the basic lexicon of words between 1801 and 1950 including older grammatical forms and contemporary orthographic forms reached unexpected dimensions. The databases created according to the different development stages of the Czech language contain more than 3.4 million lines, i.e. different words.

On the part of the Institute of the Czech National Corpus attached to the Faculty of Arts of the Charles University as a project co-researcher, the activities in 2015 focused particularly on the final extension of the five lexical databases built in the previous project stages, which reflect the five different development periods of Czech orthography and vocabulary (1801–1809, 1810–1842, 1843–1849, 1850–1900, 1901–1950). In addition to the fundamental, regularly applied orthographic changes, supported by officially adopted reforms in 1809, 1843 and 1849, the researchers – when finalizing the databases – focused also on mapping the contemporary variability in the written form of foreign words and on the implementation of orthographical customs, which were broadly used, but highly variable, and started subsiding only very slowly during the first half of the 19<sup>th</sup> century, such as the use of several different letters to capture the consonants “s” and “š” or the writing/printing of “v” instead of the present “u” or “ú” at the beginning of a word.

### **Methodology for Evaluation of Air-Quality Effect on Library and Archive Collections**

Project duration: 2011–2015

Project leader: Jiří Smolík, Institute of Chemical Process Fundamentals of the AS CR, v.v.i.

Investigator on the part of the NL CR: Magda Součková

Financial support: Ministry of Culture of the CR, NACI programme

The project aimed at developing a methodology for indoor air quality evaluation in libraries and archives, in order to reduce damage to collections caused by adverse environmental conditions, as well as to enhance the knowledge of interdependencies between the damage to collections and the ambient factors. 2015 marked the last year of project implementation; consequently, its main aim was to complete the different activities and evaluate results. Printed books deposited in the National Library of the Czech Republic in Klementinum were re-measured using the SurveNIR measuring system to complete the research of identical printed books from Prague printing houses, which were issued during the last two decades of the 18<sup>th</sup> century. The values obtained were compared to the values of identical printed books held in the depositories in Zlatá Koruna and in Teplice. Higher chemical degradation of paper was found in book volumes deposited in Prague compared to book volumes deposited outside of Prague.

We continued monitoring the effect of indoor air on the deposited *archivalia*, in particular on collagenous and photographic materials and archive cardboard. After a two-year exposition, it was established that the quality of the indoor environment affects the degradation of the items deposited. The effects of dust particles on cellulose degradation were also studied in laboratory conditions. The results confirmed a strong harmful effect of ammonium sulphate. At the same time, we also monitored the effects of dust on the quality of collagenous materials, in particular on the shrinking temperature, tensile strength and elongation of leather and parchment.

Monitoring covered also the efficiency of the different methods of mechanical cleaning of paper. Detailed recommendations for the selection of cleaning products are provided in the certified *Methodology for selecting products for mechanical cleaning of dust particles from paper surface*. The *Methodology for evaluating the exposure of internal environment in libraries and archives to dust particles* and the heritage procedure on *Improving the indoor air quality in libraries and archives in terms of reduced degradation of library and archive materials* were also submitted for certification.

The final project workshop called Methodology for impact assessment of air quality on library and archive collections took place in November 2015, presenting the full range of issues dealt with in this connection. A compilation under the same name was issued after the workshop.

### **Interoperability in Memory Institutions (INTERPI)**

Project duration: 2011–2015

Project leader: Marie Balíková

Financial support: Ministry of Culture of the CR, NACI programme

URL: <http://interpi.cz>

The main objective of the project, which is being implemented jointly in cooperation with the National Archives (NA), was to create a knowledge database of memory institutions on the basis of semantic

interoperability and, thus, to provide a user-friendly access to the national cultural, industrial and natural heritage contained in the digitized holdings and collections of memory institutions, i.e. archives, galleries, libraries, museums, heritage institutes and others. The project offers one of the possible solutions: the development of a shared knowledge database of memory institutions on the basis of national authority files meeting the needs of all the memory institutions and enriched with the necessary semantic information allowing also for machine data processing. Furthermore, it brings a new (object) data processing paradigm, which focuses on the content aspect of the objects being made accessible – i.e. on the processing of entities (classes) and the complex relations between them.

In the project documentation, the year of 2015 was scheduled as the fourth and last stage, in which we – as part of applied research and development – focused on checking and verifying the correctness of the selected procedures, designing and carrying out web interface modifications, where necessary, including the completion of an interface for making entities accessible, data adjustment and preparation data and for final verification in a pilot run. The INTERPI knowledge base in pilot operation is also accessible on the website.

The following three specialized publications were also issued: *Facilitating access to cultural heritage content in Czechia*, *Interoperabilita v paměťových institucích* (Interoperability in memory institutions) and *Přehled vybraných filmových korporací v českých zemích 1945–1970* (Overview of selected cinematographic corporations in the Czech lands in 1945–1970). In 2015, the project was presented at the IFLA conference – for more information see: <http://library.ifla.org/1135/1/148-balikova-en.pdf> and at the international workshop on the MDT classification system: for more information see: <http://seminar.udcc.org/2015/>. The INTERPI project has been positively recognized by the international community; it underlines our critical approach to rules and procedures applied in the different specialized communities and the cooperation between memory institutions. The interconnections implemented between memory institutions and the interoperability at the semantic level are particularly appreciated.

### **Preservation of Book Collections and Documents through Essential-Oil Application**

Project duration: 2011–2015

Project leader: Zbyněk Večeřa, Institute of Analytical Chemistry of the AS CR, v.v.i.

Investigator on the part of the NL CR: Jiří Neuvirt

Financial support: Ministry of Culture of the CR, NACI programme

The aim of the project is to prevent book damage caused by mould attack mainly in the depositories with inadequate parameters of the internal environment and to develop a methodology and equipment for the disinfection of collections that have already been attacked. The methodology developed must be effective and have minimum operating requirements. Last but not least, this project also aims at improving the health and hygienic conditions and libraries and archival facilities.

Based on the composition analyses of active essential oils performed at the Institute of Analytical Chemistry of the AS CR in Brno, we selected for testing, at the first stage, seven compounds that are volatile and are found in the highest concentrations in the vapours of active essential oils. Consequently, it can be presumed that they contribute the most to the fungicidal and bactericidal effects of the oils. A mixture of citral and linalyl acetate compounds was selected as the most effective for further tests.

For efficiency tests in practical application, we have developed a procedure reflecting a realistic situation of book and paper-document deposition. The procedure was submitted (2015) for certification. Functional samples were created: (a) equipment for book disinfection, (b) equipment to monitor fungistatic and disinfection effects of EO vapours inside building premises (model depository), (c) equipment for dosing essential oil compound vapours in large spaces. For the latter, it is a unique solution, which has been registered as a utility model.

In 2015, we continued monitoring the effects of application conditions (temperature, relative humidity and essence concentrations) on the disinfection efficiency of citral and linalyl acetate vapour mixture applied to the spores of selected microscopic filamentous fungus (moulds) located at different substrates (glass, paper, cardboard, cloth binding, book interior) in the model depository and in the universal vacuum chamber. The results allowed us to prepare and submit for certification a book disinfection methodology and a verified disinfection technology for books in the universal vacuum chamber.

## **Czech Digital Library and Tools to Ensure Complex Digitization Processes**

Project duration: 2012–2015

Project leader: Martin Lhoták, Library of the AS CR, v.v.i,

Investigator on the part of the NL CR: Tomáš Foltýn

Financial support: Ministry of Culture of the CR, NACI programme

2015 was the last year implementation of this four-year project, which was mainly aimed at creating the Czech Digital Library (CDL), to act as an aggregating point of digital libraries operated in the Czech Republic. It will offer a single interface for end users and, at the same time, it will serve as the main data provider for other overarching projects. Harvesting of CDL data is planned as part of the project of *Central Portal of Czech Libraries – KNIHOVNY.CZ*; and the European project called *Europeana* is another location where aggregated data from across the Czech Republic should be shared.

Within the aforesaid project, development activities also continued in relation to the Kramerius digital library in version 5, which will be the core of the CDL solution. The Kramerius digital library is currently used by more than 35 Czech institutions. Of those, more than a half works with versions, which directly support integration of local data into CDL. The latest versions offer the REST API interface allowing the connection of other applications, including the provision of a new user interface. This version made it possible to initiate, for instance, the development of clients for mobile devices (Android, iOS) and a new web client. Data harvesting into a single installation and the development of an index were commenced during 2014. The data acquired in this manner will already provide a basis for CDL, which now has more than 30 million harvested pages available.

In addition to the development activities related to the creation of a central solution for digital content aggregation, we also continued our efforts to develop the ProArc system for metadata generation, editing and for digital content administration. Its further connection to Archivematica, which is available in an open-source form, appears to be the most appropriate from the perspective of the archiving part of this tool. ProArc will create SIP (Submission Information Package), which will contain data compatible with the format under the NDL (National Digital Library) standard. SIP will be imported in Archivematica where AIP (Archival Information Package) will be created and can, if desired, be imported back to ProArc. ProArc will then ensure the generation of DIP (Dissemination Information Package) designed, for instance, for a presentation system (Kramerius). In the entire system, it is thus possible to identify the basic components of the OAIS standard reference model.

As a follow-up to the CDL project implementation, a working group for aggregation of digital content from the Czech memory institutions was established at the Project Management Department and the IT of the Ministry of Culture of the Czech Republic. Its goal is to secure that all types of data are collected (in addition to basic library collections, these include audio documents, films, museum objects, etc.) and to make these digitized documents centrally accessible to public.

## **Management of Electronic Publications in the Network of Libraries in the Czech Republic**

Project duration: 2012–2015

Project leader: Tomáš Svoboda

Financial support: Ministry of Culture of the CR, NACI programme

The aims of the project are the collection and processing of e-born books and periodicals including electronic preprints, the development of tools for sharing, preservation of and access to this type of content in the library network of the Czech Republic, the design of a methodology for bibliographic description of such type of documents and an analysis of legislation in the area of electronic legal deposit copies.

In 2015, the project entered the final period of its subsidized stage and delivered all its objectives as planned. In this last year, the collection of electronic publications was put under pilot operation and the software needed to this end was completed. The collection application is integrated with the Aleph library system, thus allowing for a fully-fledged classification of e-publications in the National Library book collections. Transition to a regular operation will follow – first as a limited operation on a voluntary basis. In this mode, the number of contractual producers will be restricted to the existing situation so that the number of the publications deposited does not exceed dozens per month. A gradual increase in operation, possibly up to the level of the so-called electronic legal deposit copies, depends primarily on whether

the necessary human capacities at the relevant National Library offices can be ensured. Machine capacities are provided for.

As regards the bibliographic description, our work focused on implementing the methodology proposed in the previous year and on its verification when testing e-deposits and in pilot run. The results were published in two e-books: *Bibliografický popis elektronických publikací v síti knihoven ČR* (Bibliographic description of electronic publications in the library network of the Czech Republic) and *Elektronické publikace v Národní knihovně ČR* (Electronic publications in the National Library of the CR).

### **Creation of a Cooperative System for the Building and Management of Modern Conservation Book Collections in the Czech Republic and for Development of the Necessary Tools**

Project duration: 2012–2015

Project leader: Jiří Polišenský

Financial support: Ministry of Culture of the CR, NACI programme

URL: <http://vdk.nkp.cz/>

2015 marked the final stage of the project. The main goal of the project was to actively deal with the issue of long-term preservation of *Bohemica* book collections deposit in the network of conservation libraries in the territory of the Czech Republic. So far, this process has been taking place in isolation, without any systematic guidance – no steps were taken for continuous research of modern book collections that could provide information about their physical condition, only few information was available about the specific numbers of preserved items, etc. The core of the research work was directed towards delivering all project outputs as declared. Major emphasis was placed on completing the application Virtuální depozitní knihovna (Virtual deposit library), which is the most important part of the project. The application was transferred to full operation; at the end of 2015, we started harvesting data from other libraries (Research Library of South Bohemia in České Budějovice, Research Library in Hradec Králové and the Regional Research Library in Liberec), which are worth following as part of the monitoring of the number of items of *Bohemica* documents.

Another significant part of the project, which was completed in 2015, concerned the finishing of the *Methodology for building, preserving and managing conservation book collections* and the subsequent certification thereof. This methodology, together with the previously submitted methodologies for the calculation of the optimal number of copies preserved in the system of conservation libraries and the research of modern collections, forms the concept of basic information resources to anchor systematic care for *Bohemica* book collections. Important steps were also made in the area of the calculation tool for the optimum number of items, where additional variables were included in the calculation and, at the same time, the user interface was modified. We continued in our systematic inspection of the physical condition of modern *Bohemica* collections of the participating libraries. The website <http://vdk.nkp.cz/> was launched at the end of the year, summarizing all project outputs and providing basic information about the activities carried out. The website provides a direct access to the functional application.

During the project implementation, this issue proved to offer scope for further work and open many questions, for which we have no answer yet – such as the question of regional mutations of periodicals or provenance signs and the original owners of libraries integrated in institutional collections. For these reasons, application was filed under the NACI II grant mechanism for another project called *IN-PROVE: budování Integrovaného prostředí pro PRůzkum, Ochranu, Výzkum a Evidenci novodobých knihovních dokumentů* (IN-PROVE: building an Integrated Environment for Inspection, Preservation, Research and Registration of Modern Library Documents), which was accepted for implementation at the end of 2015.

### **Printed Books of the 16<sup>th</sup> Century in Château Libraries in the Czech Republic**

Project duration: 2012–2015

Project leader: Pavel Hájek, National Heritage Institute

Investigator on the part of the NL CR: Zdeněk Bartl

Financial support: Ministry of Culture of the CR, NACI programme

The aim of the project was to conduct research of château library collections of the 16<sup>th</sup> century, which would be used for presentation and education in the area of historical book collections. The part of the project implemented by the staff team of the NL CR focuses mainly on the generation of authority files

and their subsequent use for the knowledge database (via a web portal). The development of the methodology was a crucial task for the first year of project implementation. In addition, an initial list of 16th century printed books located in château libraries in the Czech Republic has been prepared through excerption of the existing records of the National Heritage Institute and the National Museum, which was a prerequisite for the planning of the next project stages, i.e. the verification of the methodology for the preparation of full cataloguing records of the 16<sup>th</sup> century printed books and the arrangements for their partial or full digitization. For the years 2014–2015, the goal of the project in the field of generating authority files for early printed books (name authority files – personal authority files for authors, historic and other figures without authorial connection to early printed books, to printers; corporate authority files, particularly for printing houses and other functions, where relevant; geographic subject authority files, thematic expressions and terms denoting the form/genre) was to analyse the existing library and library-science methods and authority file generation rules and to prepare the final version of the methodology to generate name authority files and submit it for certification to the Ministry of Culture of the Czech Republic. The methodology was successfully certified at the beginning of 2015. Subsequently, it has been applied in practice with institutions cooperating in the project in the creation of the authority file records.

### **Research, Conservation and Care for Modern Library Collections – Materials and Technologies**

Project duration: 2013–2017

Project leader: Petra Vávrová

Financial support: Ministry of Culture of the CR, NACI programme

In 2015, the National Library continued the project focused on research, conservation and care for modern library collections and the development of new materials for conservation and restoration. The aims of the project are to develop a methodology for the inspection of the physical condition of modern library collections using selected instrumental methods, to develop special materials for renovation and restoration of modern library collections, and to develop and optimize specific work procedures and modern technologies for the conservation and restoration of modern library collections.

The project has been implemented by experts from among the staff of the National Library of the Czech Republic, in cooperation with researchers from the Faculty of Textile Engineering of the Technical University of Liberec, who participate in the development of special textile materials and adhesives for the conservation and restoration of modern library collections. They work on the development of special alkaline adhesives for textile bookbinding, cloth with coating suitable for textile bindings of modern library collections and other materials designed for binding, rebinding and restoration interventions. The possibilities of using materials that are already available are being examined and, based on the results of the tests and analyses, proposals for the application of these materials will be presented.

Effective care aimed at long-term preservation of book collections (pursuant to Act No. 257/2001 Coll.) must build on a detailed mapping of the physical condition and degree of preservation of the conservation documents. Therefore, the project commenced with a detailed inspection of a selected part of the collections, the result of which will allow us to determine the true actual physical condition of the individual items. The research results will then make it possible to evaluate the share of different material types, with particular focus on textiles and plastics, and the types of damage incurred. This will be followed by a diagnosis of their causes and proposals for possible solutions (repair, conservation and restoration intervention in the modern collections, placement in protective covers, reformatting). The research makes use of advanced instrumental non-destructive methods and devices: SurveNIR and microfadeometry. The methodology for working with and using the SurveNIR system when inspecting the physical condition of modern library collections was certified by the Ministry of Culture in 2015, while the methodology for microfadeometry was under preparation for certification in 2015.

Preparation for research of the different topics took place on a continuous basis. As part of inspection of the modern collections, analyses were conducted for different types of paper and plastic materials for modern bookbinding using SurveNIR. The microfading system was tested.

The *Methodology for preventive care for historical library collections in the specific conditions of heritage facilities under the management of National Heritage Institute* was prepared in OOKF (Collections Preservation Division) and certified as part of the project. Furthermore, specialized events were organized

to acquire expert information and practical experience from foreign experts, namely the international workshop *MICROFADEOMETRY – THEORY and PRACTICE*, which took place under the guidance of Ms. Christel Pesme from 19 to 21 August 2015 and focused on theoretical knowledge in the field of damage to organic materials caused by light and practical skills in measuring with microfadeometer, and the international workshop *FROM THEORY TO PRACTICE II – Adhering and Consolidation of Plastic Materials in Modern Library Collections*, which was led by Ms. Thea van Oosten and Ms. Anna Laganà, experts on restoration and conservation of plastic cultural heritage items.

### **The National Library – Development of Science, Research and Innovation Information Infrastructure for Humanities**

Project duration: 2013–2017

Project leader: Hanuš Hemola

Financial support: Ministry of Education, Youth and Sports of the CR

The main objective of the project is to consolidate and further develop the information infrastructure for providing information from the humanities and social sciences for the sphere of science, research and innovation in the Czech Republic, by providing access to 18 titles of multidisciplinary and specialized databases in consortium and individual licences and to provide primary documents by means of international interlibrary services.

The project supports, in particular, the provision of continuous access to a tested and continuously innovated offer of electronic information resources from the respective field, which has been systematically built by the NL CR since the end of the 20<sup>th</sup> century for profile users from the science, research and innovation sphere both within individual and consortium licences in cooperation with the relevant information, academic and research institutions. The basis of the supported offer is formed by primary and secondary multidisciplinary sources with a thematic focus in the humanities and social sciences, and specialized sources to provide access to information from the so-called minor disciplines (music and musicology; librarianship and information science; Slavic studies). The project supports follow-up services providing access to primary documents through centres of international interlibrary services.

The budgetary implementation in 2015 was very adversely affected by the development of the exchange rate between the Czech crown and foreign currencies. Given the above circumstances, the calculated minimum co-financing rate for 2015 had to be increased from 25 % to 42 % of the price planned. These changes affected not only the annual budget level in CZK, but also the total project costs.

### **International Research and Development Projects**

#### **CENDARI**

Project duration: 1 February 2012 – 31 January 2016

Project leader (Coordinator): Jennifer Edmond, Trinity College Dublin

Investigator on the part of the CR: Zdeněk Uhlíř

Financial support: European Commission, 7<sup>th</sup> Framework Programme of the EU

URL: <http://www.cendari.eu/>

The aim of the project is to create, on partial segments of World War I and Medieval manuscript culture, an infrastructure for historical research that will combine digital resources produced by the systematic efforts made in the last decade. The project partners are: Trinity College, Dublin (Ireland – coordinator); Freie Universität Berlin (Germany); King's College, London (Great Britain); Institut National de Recherche en Informatique et en Automatique (INRIA), Paris (France); University of Birmingham (Great Britain); National Library of the Czech Republic, Prague (Czech Republic); Niedersächsische Staats- und Universitätsbibliothek, Göttingen (Germany); The European Library (Netherlands); Consortium of European Research Libraries (Great Britain); Mathematical Institute of the Serbian Academy of Sciences and Arts, Beograd (Serbia); Universität Stuttgart (Germany); Società internazionale per lo studio del medioevo latino (SISMEL), Firenze (Italy); Università degli studi di Cassino (Italy) and Fondazione Ezio Franceschini (Italy). In the fourth year of project implementation, work was completed on the

thematically structured guides of manuscript materials (*Medieval Preachership in Central-European Manuscript Collections*; *Geography and Natural Sciences in Central-European Manuscript Collections*). These guides were published in the virtual environment of the CENDARI project. We developed and tested pilot software for Manuscriptorium designed for automatic harvesting of web resources in the area of written cultural heritage, which can also be used in the CENDARI environment for TRAME, the resource provided by our Italian partner Società internazionale per lo studio del medioevo latino Firenze.

## Other Application Projects

### National Projects

#### Library Public Information Services (LPIS) Programme

All projects in the individual sub-programmes are one-year projects. They cover the promotion of specific library activities in the areas of education, digital library operation, digital data production (retrospective conversion of catalogues, digitization of collections), operation of information portals, access to digital resources, etc. The list of projects no longer includes the statutory activities, previously funded from the LPIS programme, for which National Library of the Czech Republic has received funding directly in its budget.

#### **LPIS 1**

##### **The LPIS Coordination Centre**

Project leader: Vít Richter

URL: <http://visk.nkp.cz/>

The LPIS Coordination Centre provided all professional, organizational and coordination activities related to the implementation of the entire LPIS programme.

#### **LPIS 2**

##### **Training Courses in Basic Computer and Information Literacy**

Project leader: Eva Dostálková

During the courses, the trainees acquired the knowledge and skills corresponding to the European Computer Driving Licence as the minimum educational standard required in working with information and communication technologies, as well as advanced competences in the area of computer and information literacy.

#### **E-learning RDA course**

Project leader: Edita Lichtenbergová

In connection with the transition to new RDA cataloguing rules on 1 May 2015, three new e-learning courses were prepared – minimum-level cataloguing of printed monographs and periodicals and recommended-level cataloguing of printed monographs.

#### **LPIS 3**

##### **Building the Central Directory of Libraries in the Czech Republic**

Project leader: Eva Svobodová

The Central Directory of Libraries and Information Institutions in the Czech Republic was created in 2015 by merging the Directory of Libraries and Information Institutions in the Czech Republic with the Library Register of the Ministry of Culture of the Czech Republic.

At present, the Directory contains information about the existence of 6,585 libraries in the territory of the Czech Republic and represents the most comprehensive source of this kind in the Czech Republic. It is available for library information search at: <http://aleph.nkp.cz/cze/adr>. Information about the Directory is publicly available at: <http://www.caslin.cz/caslin-en/adr-database/adr-database>.

## LPIS 5

### **Retrospective Conversion of the General Catalogue of the Universal Library Collection I of the National Library of the Czech Republic**

Project leader: Nataša Mikšovská

The aim of the project was to preselect and prepare ca. 28,000 records of printed books. The records were prepared for the next stage of retrospective conversion. At the same time, 18,000 new records were converted into the MARC 21 format, which made accessible in the NKC database and transferred to the Union Catalogue of the Czech Republic.

### **Recataloguing of the Early Printed Books Deposited in the Manuscripts and Early Printed Books Department of the National Library of the Czech Republic**

Project leader: Alena Císařová Smítková

At the recataloguing stage, additional records from the General Catalogue I were updated. Temporaries worked with a book in their hand again. A total of 3,880 new records were added to the uniform Early Printed Books database, called STT base, in 2015.

## LPIS 6

### **Digitisation of the Historical Documents of the National Library of the Czech Republic**

Project leader: Zdeněk Uhlíř

URL: <http://www.manuscriptorium.eu>

In 2015, a total of 89 documents, i.e. 41,104 images, from the collections of the NL CR were digitized as part of LPIS 6. All digitized documents were included in the Manuscriptorium digital library.

### **Digitisation of Rare Historical Manuscripts and Printed Books from the Collection of the Music Department of the National Library of the Czech Republic**

Project leader: Zuzana Petrášková

URL: <http://www.manuscriptorium.eu>

In 2015, 32 documents, i.e. 4,146 images (29 manuscripts and 3 printed units) from the Music Department collections were digitized as part of LPIS 6. The digitized manuscript sheet music is interconnected with records in the International Inventory of Musical Sources (RISM) and accessible for study purposes to specialized researchers using this database at [www.rism.info/](http://www.rism.info/).

## LPIS 7

### **Deacidification of Rare *Bohemica* Documents at Risk of Acid Paper Degradation**

Project leader: Tomáš Foltýn

URL: <http://visk.nkp.cz/VISK7.htm>

The project focused on adjustments to the application for modern collection research in order to monitor the library collection deacidification process and its use in other libraries, as well as the connection of this application to the emerging Deacidification Register.

A continuous research of modern collections has been taking place in the environment of the National Library of the Czech Republic since 2010 already, when it was financed through institutional support. Research of collections is also carried out in other institutions (Research Library in Olomouc, Moravian Library). The results from all the libraries referred to above are consistently entered in the application for modern collection research. As a result, the application becomes a valuable source of data about the physical condition of *Bohemica* in the libraries with conservation obligation and provides a fundamental tool to select documents requiring conservation and restoration interventions, including deacidification. As part of the LPIS 7 financial support, we were also able to adjust the application's graphical interface, improve certain internal forms, upgrade the internal application Framework Relief to the new R4 version and prepare data outputs for the Register of Deacidified Documents. In the Register, we have integrated the *List of recommended documents for deacidification* as an output generated from *Application for Collection Research*, which will help to efficiently select documents for interventions under a massive book

collection deacidification exercise in the future. To this end, the import module was adjusted and the export possibilities for filtered data were added. In the next years, this tool should supervise duplicate deacidification of documents, which is particularly relevant in case of a more massive deacidification process.

## **LPIS 8**

### **Provision of the Operation of the Uniform Information Gateway (UIG) as a National Portal**

Project leader: Edita Lichtenbergová

URL: <http://www.jib.cz>, <http://info.jib.cz>

The grants enabled a smooth operation of the *Uniform Information Gateway* (UIG). Within the project, the offer of resources was expanded in 2015. The total number of active resources in UIG, which is administered in a local knowledge database, now reached 344. The number of copy-cataloguing requirements through Z39.50 was 677,213 records, while the number of records converted from UNIMARC decreased as a number of libraries changed to MARC 21. Detailed statistics of UIG traffic are posted on the UIB portal; they newly include statistical data on SFX UIB use. The partial development takes place in consistence with the development of the forthcoming Central Library Portal; in 2015, for instance, link support was added in SFX JIB in the environment for Shibboleth single login.

### **Providing Multi-Licence Access to Czech Electronic Information Resources**

Project leader: Hana Nová

URL: <http://visk.nkp.cz/VISK8A.htm>

In 2015, we continued providing access service to Czech electronic information resources. The Anopress media database was used by 63 libraries, the ASPI database of legal information from WoltersKluwer by 28 libraries and the CODEXIS database from Atlas software by 5 libraries. The LibraryPressDisplay database of foreign daily newspapers and publications for wider public was selected by 179 libraries.

### **Provision of the Operation and Development of Subject Information Gateways on a National Scale for Librarianship and Scientific Information and for Music**

Project leader: Eva Bartůňková

URL: <http://kiv.nkp.cz/>

The main goal of the project in 2015 was to continue the routine operation of two subject gateways of the National Library of the Czech Republic, namely KIV (library and information science) and MUS (music). As regards library activities, Internet resources continued to be selected, evaluated and processed for the KKL database (for KIV) and the NKC database (pro MUS), including checking and correction of links to Internet sources in KKL and NKC. On its information portal, the MUS subject gateway brings news from the field, information about projects, etc. The KIV subject gateway shared these functions with another portal of the Librarianship Institute called Information for Libraries (IfL). For this reason, the subject gateway was merged with the IfL portal at the beginning of the year, at the occasion of this portal's migration and integration of web services provided by the Librarianship Institute. A new version of the portal was launched in March 2015.

## **International Projects**

### **Cooperation with Google**

Project leader: Miroslava Hejnová; Adolf Knoll

Financial support: Ministry of Culture of the CR/LPIS 6 (the funding of the preparation of documents for digitisation)

The project *Mass Digitisation of Historical and Rare Documents in Cooperation with Google* is scheduled to be implemented over six years (2011–2016), with possibility of further extension. In 2015, we continued our preparations for the mass digitization of historical and rare documents, and the actual

digitization of documents was also taking place. At the same time, digital data were made accessible to public, mainly via Google Books, but also through the electronic databases of the National Library of the Czech Republic, i.e. through the SL electronic catalogue <http://aleph.nkp.cz/cze/slk> and the database of early printed books <http://aleph.nkp.cz/cze/stt>. A total of 20,000 complex digital documents were converted to TEI P5 ENRICH Specification according to the parameters of LPIS 6 programme and incorporated in Manuscriptorium in 2015. Close to 38,000 volumes of historical and rare documents were digitized in total in 2015.

Several data from Google statistics concerning November 2015: By mid November 2015, a total of 37,974 books were handed over to Google for digitization, 37,950 books were digitized, and 37,595 books are available for download. As much as 47,510 users visited the top 50 requested books in the Google Books digital library in the past 6 months. Out of the total volume of books that were made accessible, users consulted most frequently books in German (46 %), Russian (15 %), Latin (12 %), Polish (6 %) and Czech (5.5 %). Also other statistics lead us to conclude that books in all languages are used.

## Czech-Slovak Cooperation in Document Acquisition

### **The Czech Library at the University Library in Bratislava and the Slovak Library in the National Library of the Czech Republic**

Project duration: since 2006

Investigator on the part of the NL CR: Světlana Knollová

Financial support: Ministry of Culture of the CR, Ministry of Culture of the SR

Under the project, the National Library of the Czech Republic purchased 953 titles of books for the University Library in Bratislava in 2015 for a total amount of CZK 302,008.80. Based on the wide choice available in the Czech book market, our colleagues from ULB had no problems choosing the literature; on contrary, the allocated funds were not sufficient to cover the cost of all desiderata on the Slovak party. The amount of EUR 12,000 provided by the Ministry of Culture of the Slovak Republic to purchase Slovak publications for the collections of the National Library of the Czech Republic and the Slavonic Library was also nearly used up in full: 959 publications were purchased, of which 428 titles (for an amount of EUR 5,344.95) for the Slavonic Library, and the rest of the amount was used to purchase books for the National Library of the Czech Republic. Based on a readers' preference survey, Slovak books are amongst the most frequently lent foreign-language titles (after books in English) in the National Library of the Czech Republic. The project is very successful and beneficial for both participating parties, also because of the guaranteed mutual availability of publications. New Slovak arrivals acquired gradually over the years of the project duration are accessible at the website of the National Library of the Czech Republic: <http://aleph.nkp.cz/web/cknih/2015/index.htm>.

## EEA and Norway financial mechanism

### **Rediscovered Books**

Project duration: 2015–2016

Investigator on the part of the NL CR: Tomáš Foltýn

Financial support: EEA and Norway financial mechanism

Financial support: EEA and Norway financial mechanism, the so-called Norwegian funds

The project (EHP-CZ06-OV-1-039-2014) is financed through the EEA financial mechanism and the Norwegian funds under the CZ O6 programme for Cultural Heritage and Contemporary Art. The project researchers are the National Library of the Czech Republic and the Norwegian foundation Stiftelsen Arkivet. In the past, the National Library of the Czech Republic also played the role of a central institution for deposition of book documents from various sources, such as seized items from the period of WWII and other years, depositions made by various institutions, donations, etc. These collections, deposited predominantly in the so-called reserve collections of the National Library of the Czech Republic, have not yet been processed to a satisfactory degree up to now; only few information is available about their structure and legal framework, although they represent extremely interesting evidence of how cultural

content was handled and what activities were carried out by the different components of the state administration.

The project aims basically at mapping approximately 12,000 volumes of non-*Bohemica* documents from the period concerned, their subsequent processing in accordance with the applicable standards, safe deposition and adequate presentation to the users of the National Library of the Czech Republic. Nevertheless, other research activities go widely above and beyond the scope of this routine work. The objectives of the researchers' team include namely the following: conduct the first continuous archive research in the field, which has not been systematically dealt with in the Czech environment, underline the international dimension of war and post-war handling of cultural heritage including links to the initial owners and their fate, and open this area of our history to further research. The project includes mapping of the legal framework of these documents, dissemination of information about the topic among university students and organization of physical or virtual expositions.

In 2015, intensive efforts were made to process documents shortlisted from the so-called reserve collections of the National Library of the Czech Republic, and a project website was created providing all available information about the implementation of the project. A tour of lectures took place among universities with library study programmes. At the same time, a legal analysis was prepared, declaring the legal status of these collections within the collections of the NL.

# Economic Indices, Statistics, Graphs

## The Basic Statistical Data of the National Library of the CR in 2015

<b>Library items, total</b>	<b>7,104,388</b>
• of which manuscripts	21,234
<b>Number of incoming periodical exemplars</b>	<b>10,544</b>
<b>Number of library items on open shelves</b>	<b>39,441</b>
<b>New volumes</b>	<b>92,599</b>
<b>Lost volumes</b>	<b>2,379</b>
<b>Number of the NL's specialised databases (other than the Electronic Catalogue)</b>	<b>32</b>
<b>Number of licensed electronic information resources</b>	<b>267,287</b>
<b>Registered users</b>	<b>28,145</b>
<b>Visitors at the library (physical visits)</b>	<b>693,061</b>
• of whom visitors to loan departments and reading rooms	309,034
• of whom using the internet in the library	256,638
• of whom visitors of cultural events	114,377
• of whom visitors of educational events	13,012
<b>Visitors of online services from outside the library</b>	<b>6,665,335</b>
<b>Visitors of the library's website</b>	<b>1,994,174</b>
<b>Loans, total</b>	<b>614,519</b>
• of which loans of periodicals	31,011
<b>Requests for Interlibrary Services, total</b>	<b>15,081</b>
• of which ordered from abroad	4,552
<b>Online information services (number of questions answered)</b>	<b>32,556</b>
<b>Meetings and consultations for librarians, booksellers and publishers</b>	<b>16,974</b>
<b>Educational events for librarians (seminars, courses, etc.)</b>	<b>415</b>
<b>Cultural events for the public (forums, exhibitions, tours, etc.)</b>	<b>105</b>
<b>Educational events for the public (seminars, courses, etc.)</b>	<b>92</b>
<b>Number the titles of non-periodical publications issued pursuant to Act No. 37/1995 Coll. as subsequently amended</b>	<b>12</b>
<b>Number of copies (in pcs)</b>	<b>9,090</b>
<b>Number of titles of periodicals issued pursuant to Act No. 46/2000 Coll. as subsequently amended</b>	<b>1</b>
<b>Number of copies (in pcs)</b>	<b>550</b>
<b>Number of titles of the electronic documents issued including the internet</b>	<b>7 e-publications, 4 e-periodicals</b>
<b>Number of places for studying</b>	<b>499</b>
• equipped with a computer	57
• of which computers with an internet connection	29
• equipped with another technical device	20
<b>Number of places in lecture halls and classrooms</b>	<b>112</b>
• of which equipped with a computer	15
<b>Number of places for relaxation and refreshment</b>	<b>106</b>
<b>Library user area in sq. m</b>	<b>6,682</b>
<b>Number of opening hours per week</b>	<b>80</b>
<b>Library staff (full-time equivalent – FTE)</b>	<b>459</b>

## Financial Management

As at 31 December 2015, the National Library of the Czech Republic generated an improved profit of CZK 1 thousand from its main activities; other activities brought an improved profit of CZK 37 thousand, the total economic result thus being a profit of CZK 38 thousand.

In order to achieve the balanced income from operations, the financial resources from the reserve fund of the National Library of the Czech Republic was used to cover operating costs that could not be covered by own revenue or by the contribution of CZK 138 thousand allocated by the Ministry of Culture of the Czech Republic or the amount of CZK 21,502 thousand from the asset reproduction fund as a complementary financing source for repairs, maintenance and acquisition of low-value assets. The remuneration fund was used to cover other personnel costs in an amount of CZK 1,415 thousand.

Basic Data from the Profit and Loss Account (in Thousands of CZK)

Item	Main Activity	Other Activities
<b>Total costs</b>	<b>478,345</b>	<b>12</b>
Operational costs	475,224	12
<i>of which: material costs</i>	<i>281,508</i>	<i>3</i>
<i>    personnel costs</i>	<i>193,716</i>	<i>9</i>
Financial costs	468	0
Income tax	2,653	0

<b>Total revenues</b>	<b>478,346</b>	<b>49</b>
Activity revenue	53,425	49
Financial revenue	28	0
Revenue of selected CGIs from transfers	424,893	0

<b>Income from operations after tax</b>	<b>1</b>	<b>37</b>
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Financing shares to cover the costs of the National Library of the Czech Republic from own revenue and from revenue from transfers (non-investment funds)

Item	in Thousands of CZK	v %
Activity revenue and financial revenue	53,453	11.3
Revenue of selected CGIs from transfers – MoC provider	399,987	83.5
Revenue of selected CGIs from transfers – other providers	24,906	5.2
<b>Total revenue</b>	<b>478,346</b>	<b>100.0</b>

Overview of Investment Expenditure (in Thousands of CZK)

Activity/Programme	Non-Investment Resources	Investment Resources	Source of Financing
<b>I. Provided by the founding entity – MoC</b>	<b>reality</b>	<b>reality</b>	
<i>I.1 Operational fund</i>	<b>298,543</b>	<b>0</b>	MoC
<i>I.2 Specific-purpose subsidies</i>	<b>101,444</b>	<b>107,937</b>	MoC
of which:			
The sustainability of operational capacities of the National Digital Library	7,270	0	MoC
LPIS 1, 2, 3, 5, 6, 7, 8	14,055	0	MoC
Library of the Year 2015	117	0	MoC
Royalties for authors from their works loaned at libraries of the CR (Copyright Act)	24,625	0	MoC
publication <i>Standard pro dobrou knihovnu</i>	20	0	MoC
publication <i>Standard Senior Friendly</i>	15	0	MoC
Research and development – institutional	6,323	2,613	MoC
Research and development, NACI	16,817	0	MoC
Integrated Movable Cultural Heritage Protection System, ISO/C, Event No. 134V515000057	134	0	MoC
Integrated Movable Cultural Heritage Protection System, ISO/D, Event No. 134V515000067	29	80	MoC
Reconstruction of the Depository in Hostivař, Event No. 134V123000006	398	0	MoC
Revitalisation of the Klementinum, second stage, Event No. 134V123000007	27,590	105,244	MoC
New interiors and movables, Event No. 134V123000009	87	0	MoC
Book Discovered Once Again, Event No. 234V114000027	3,964	0	MoC/EEA financial mechanism
<b>Total of I provided by MoC</b>	<b>399,987</b>	<b>107,937</b>	
<b>II Other Providers</b>			
Research and development, LR1308 programme	21,103	0	MEYS
Research and Development, NACI	2,355	0	Institutes of the AS CR
Donations	56	0	CR
European Union projects	1,388	0	EU
<b>Total of II other providers</b>	<b>24,902</b>	<b>0</b>	
<b>III Depreciation from the Transfer</b>			
Research and Development, NACI	4	0	Institutes of the AS CR

Legend:

AS CR – Academy of Science of the Czech Republic

EU – European Union

MoC – Ministry of Culture of the CR (the founding entity of the National Library)

MEYS – Ministry of Education, Youth and Sports

NACI – National Cultural Identity

EEA – European Economic Area financial mechanism

**Other transfer providers** – the National Library of the Czech Republic was actively involved, as the main investigator/researcher or partner in a number of projects funded from the programmes of the EU, the Ministry of Education, Youth and Sports, the Academy of Sciences of the CR, v. v. i. They concerned particularly projects in research, development and innovation.

In the approved budget schedule, the **labour cost limit** was set to CZK 111,512 thousand in total, of which salaries amounted to CZK 108,084 thousand and other personnel costs to CZK 3,428 thousand. Budgetary adjustments were carried out during the year to increase the labour cost budget by a total of CZK 139,060,318, of which CZK 127,551,998 for salaries and CZK 11,508,320 for other personnel costs. Other personnel costs were exceeded by CZK 1,414,669 in 2015. The excess was covered from the remuneration fund.

#### **Unused salary funds**

This concerned unused specific-purpose funds – salaries – granted from the NACI RDI programme of the Ministry of Culture for the project *Creation of a Cooperative System for the Building and Management of Modern Conservation Book Collections in the Czech Republic and for Development of the Necessary Tools* – the amount paid for salaries was CZK 61,022.

#### **Unused funds for other personnel costs**

This concerns unused specific-purpose funds – other personnel costs – granted from the LPIS programme for the LPIS 7 project for *Deacidification of Rare Bohemica documents at risk of acid paper degradation* – the amount paid for other personnel costs was CZK 59,000.

The **full-time equivalent of staff** for 2015 was set to 454 employees in the approved budget. During the year, this indicator was raised by a total of 13, i.e. to 467 employees, in connection with the need to ensure sustainability of the project for *Development of the National Digital Library* (by 4) and the implementation of the project on *Rediscovered books* financed from EEA Financial Mechanism and SR (by 9). The actual FTE of staff in 2015 was 458.6.

## **Binding Indicators**

**Contribution to operating costs and specific-purpose grants** provided during the year were used in consistence with the purpose for which they were granted. Separate records were kept to this end (analytical accounts, cost centres).

#### **Payments for depreciation and buildings**

As at 31 December 2015, the amount of CZK 12,244 thousand was transferred to the revenue account of the Ministry of Culture. The liability determined under the approved 2015 budget schedule of the National Library was thus settled in time.

#### **Payments for proceeds from the sale of state-owned intangible assets**

Due to the needs of the National Library, the management of the National Library decided not to go through with the announced sale of land located next to the Sodomkova street, with an area of 1,132 sq.m. and estimated sale price of CZK 3.5 million, in the cadastral territory of

Hostivař. The binding indicator for the payment of proceeds from the sale of intangible assets, amounting to CZK 3,584 thousand was not met.

## **Conditional indicator to use the contribution to operating costs**

The contribution to operating costs was allocated in an amount of **CZK 9,027 thousand** to cover material costs for the performance of statutory activities which were previously financed in the form of a specific-purpose grant from the Ministry of Culture programme for *Library Public Information Service*; of that, CZK 560 thousand were provided for other personnel costs. The funds for the different activities were used up in full.

## Expenditures on the Acquisition of Fixed Assets

(in Thousands of CZK)

<b>Provider – MoC</b>	<b>107,937</b>
Development and Renewal of the Material Base of the NL CR programme:	
Revitalisation of the Klementinum, second stage	105,245
Integrated Protection System programme, ISO/D	79
Research and development – institutional DKRVO	2,613
<b>Fund for the reproduction of the investment property of the NL</b>	<b>11,189</b>
<b>Total capital expenditures</b>	<b>119,126</b>

# Acquisition, Bibliography and Cataloguing Division

## Statistics of Domestic Non-Periodical Production in 2015

The Annual Report on Non-Periodical Publications compiled by the NL CR is required for the official statistical reporting of the Czech Republic. It is sent to the Ministry of Culture of the CR, which submits it to the Czech Statistical Office. The data presented represent the book production of the Czech Republic also abroad; they have been adopted by EUROSTAT as well as UNESCO.

The tables of the report inform on non-periodical publications issued in the Czech Republic. The data have been processed according to the prescribed methodology, namely on the basis of legal deposit copies acquired by the National Library in 2015.

Table I  
Titles of Non-Periodical Publications by Subject

Table II  
Non-Periodical Publications by Language of Publication

Table III  
Non-Periodical Publications – Translations from Other Languages

### I. TITLES OF NON-PERIODICAL PUBLICATIONS BY SUBJECT

Subject Group		Total Number of Titles			First Edition Subtotals		
		Books	Pamphlets	Total	Books	Pamphlets	Total
1	Generalities	358	100	458	332	93	425
2	Philosophy, psychology	433	6	439	357	5	362
3	Religion, theology	444	103	547	390	95	485
4	Sociology, statistics	308	41	349	296	35	331
5	Politics, economics	586	85	671	516	78	594
6	Law, public administration, social relief and welfare, insurance	635	43	678	529	42	571
7	Military art and science	143	22	165	133	21	154
8	Education, teacher-training, leisure	1,027	342	1,369	804	302	1,106
9	Trade, communication, transport, tourism	232	68	300	208	65	273
10	Ethnography, cultural anthropology (customs, folklore, mores, tradition)	84	7	91	78	7	85
11	Philology, languages, linguistics	383	103	486	304	99	403
12	Mathematics	244	36	280	211	35	246
13	Natural sciences	536	113	649	483	113	596
14	Medical sciences, public health	680	161	841	581	148	729
15	Engineering, technology, industries, trades and crafts	589	127	716	548	125	673
16	Agriculture, forestry, stockbreeding, hunting and fisheries	314	108	422	275	102	377
17	Domestic science	364	35	399	332	35	367
18	Management, administration and organization	312	41	353	262	40	302
19	Physical planning, town and country planning, architecture	287	53	340	279	45	324
20	Plastic and graphic arts, photography	467	133	600	453	132	585
21	Music, performing arts, theatre, film and cinema	295	35	330	255	34	289
22	Games and sports	275	85	360	246	84	330
23	a) History of literature and literary criticism	203	10	213	191	10	201
	b) Literary texts	4,588	709	5,297	3,694	648	4,342
24	Geography	330	35	365	288	32	320
25	History, biography	1,464	100	1,564	1,338	98	1,436
<b>Total</b>		<b>15,581</b>	<b>2,701</b>	<b>18,282</b>	<b>13,383</b>	<b>2,523</b>	<b>15,906</b>
of which	School textbooks	429	229	658	227	184	411
	Children's books	1,136	819	1,955	942	769	1,711
	University textbooks	875	18	893	732	16	748

## II. NON-PERIODICAL PUBLICATIONS BY LANGUAGE OF PUBLICATION

Language of Publication	Number of Titles
a	2
Total	18,282
Czech	15,598
Czech and other languages	1,032
English	768
Slovak	316
Russian	113
German	85
Polish	36
French	22
Spanish	19
Italian	15
Chinese	11
Hungarian	7
Croatian	6
Ukrainian	6
Korean	4
Dutch	4
Esperanto	3
Portuguese	3
Slovenian	3
Bulgarian	2
Japanese	2
Serbian	2
Azerbaijani	1
Danish	1
Classical Latin	1
Romanian	1
Classical Greek	1
Modern Greek	1
Old Slavonic	1
Turkish	1
Multilingual (not including Czech)	217

## III. NON-PERIODICAL PUBLICATIONS – TRANSLATIONS FROM OTHER LANGUAGES

Source Language	Number of Titles
a	2
Translations – total	6,240
English	3,284
German	949
Slovak	369
French	296
Russian	175
Polish	146
Spanish	120
Swedish	95
Italian	89
Norwegian	34
Dutch	28
Japanese	27
Classical Latin	21
Danish	18
Finnish	18
Slovenian	14
Hungarian	12
Chinese	11
Portuguese	11
Icelandic	8
Classical Greek	8
Modern Greek	7
Serbian	7
Croatian	6
Turkish	6
Bulgarian	5
Korean	5
Romanian	5
Macedonian	4
other old languages	4
Ukrainian	4
Azerbaijani	3
Bosnian	3
Modern and Medieval Latin	3
Thai	3
Albanian	2
Armenian	2
New Hebrew (ivrit)	2
Catalan	2
Modern Arabic	1
Basque	1
Belarusian	1
Esperanto	1
Georgian	1
Irish	1
Lithuanian	1
Wendish	1
Roma	1
Sanskrit	1
Old Slavonic	1
Flemish	1
Multilingual	362
Non-specified	60

## Domestic Acquisitions in 2015

This does not include acquisitions of the Slavonic Library and of the Librarianship Institute.

### A. NON-PERIODICAL PUBLICATIONS

<b>Total</b>	<b>55,784 k. j.</b>
Printed documents	52,884 k. j.
Non-printed documents	2,900 k. j.

#### Proportion of Individual Acquisition Sources in the Total Acquisitions

	l. i.	%
Legal deposit copy	48,357	86.69
Purchase	2,995	5.37
Donations	2,646	4.74
Internal source	1,663	2.98
Replacements	123	0.22
<b>Total</b>	<b>55,784</b>	<b>100.00</b>

### B. PERIODICALS

		Titles
<b>a) National Archival Collection</b>		<b>5,181</b>
of which	Legal deposit copy (LDC 1)	5,181
<b>b) Universal Library Collection</b>		<b>4,451</b>
of which	Legal deposit copy (LDC 2)	4,369
	Purchase	82
<b>c) Consumer titles</b>		<b>47</b>
of which	Purchase	34
	Donations	13

## Foreign Acquisitions in 2015

This does not include acquisitions of the Slavonic Library and of the Librarianship Institute.

### A. NON-PERIODICAL PUBLICATIONS

<b>Total</b>	<b>11,260 library items</b>		
Printed documents	11,143	Non-printed documents	117
of which:		of which:	
Exchange	3,558 (31,87 %)	Microforms	83 (0.73 %)
Donations	3,768 (33,46 %)	Video recordings	2 (0.02 %)
Purchase	3,787 (33,63 %)	CD-ROMs	10 (0.09 %)
		Audio recordings	22 (0.20 %)

### Analysis of Total Acquisitions by Country

l. i.

	Country	Exchange	Donations	Purchase	Non-Printed Documents*)	Total
1.	Germany	312	1,003	502	8	<b>1,825</b>
2.	USA	290	298	1,031	84	<b>1,703</b>
3.	Slovakia	80	1,041	3	4	<b>1,128</b>
4.	Great Britain	38	155	929	1	<b>1,123</b>
5.	Poland	316	215	12	11	<b>554</b>
6.	Russian	427	68	50	0	<b>545</b>
7.	France	63	92	359	0	<b>514</b>
8.	China	478	19	0	0	<b>497</b>
9.	Austria	67	190	85	2	<b>344</b>
10.	Serbia	298	6	0	0	<b>304</b>
11.	Hungary	201	23	0	0	<b>224</b>
12.	Spain	38	25	157	0	<b>220</b>
13.	Italy	2	75	137	0	<b>214</b>
14.	Sweden	182	16	1	0	<b>199</b>
15.	Romania	93	77	8	0	<b>178</b>
16.	South Korea	86	90	0	0	<b>176</b>
17.	Belgium	27	38	91	5	<b>161</b>
18.	The Netherlands	0	54	106	0	<b>160</b>
19.	Croatia	117	13	0	0	<b>130</b>
20.	Switzerland	0	49	58	0	<b>107</b>
21.	Japan	91	6	1	0	<b>98</b>
22.	Belarus	75	5	2	0	<b>82</b>
23.	Finland	80	1	0	0	<b>81</b>
	Denmark	11	6	64	0	<b>81</b>
24.	Macedonia	54	4	0	0	<b>58</b>
25.	Ukraine	34	19	4	0	<b>57</b>
26.	Portugal	1	3	51	0	<b>55</b>
27.	Slovenia	18	28	0	0	<b>46</b>
28.	Lithuania	33	5	0	0	<b>38</b>

29.	Canada	0	8	18	0	<b>26</b>
30.	Bulgaria	3	19	0	0	<b>22</b>
31.	Azerbaijan	13	4	0	0	<b>17</b>
	Argentina	0	2	15	0	<b>17</b>
	Turkey	0	17	0	0	<b>17</b>
	Singapore	0	1	16	0	<b>17</b>
32.	Mexico	3	2	10	1	<b>16</b>
33.	India	0	4	11	0	<b>15</b>
	Greece	0	6	9	0	<b>15</b>
34.	Montenegro	14	0	0	0	<b>14</b>
35.	Latvia	8	5	0	0	<b>13</b>
	Israel	0	4	9	0	<b>13</b>
36.	Cuba	9	3	0	0	<b>12</b>
37.	Moldova	9	2	0	0	<b>11</b>
38.	Turkmenistan	0	10	0	0	<b>10</b>
39.	Chile	0	0	9	0	<b>9</b>
40.	Estonia	4	4	0	0	<b>8</b>
41.	Columbia	4	0	3	0	<b>7</b>
	Malta	0	1	6	0	<b>7</b>
42.	Brazil	4	2	0	0	<b>6</b>
	Australia	1	2	3	0	<b>6</b>
	Luxembourg	0	6	0	0	<b>6</b>
	Lebanon	0	5	1	0	<b>6</b>
	Bosnia-Herzegovina	4	2	0	0	<b>6</b>
	Peru	0	0	6	0	<b>6</b>
43.	Georgia	0	5	0	0	<b>5</b>
	Ireland	0	4	0	1	<b>5</b>
	Egypt	0	1	4	0	<b>5</b>
44.	Lichtenstein	0	2	2	0	<b>4</b>
	South Africa	0	1	3	0	<b>4</b>
	Other Countries	0	22	11	0	<b>33</b>
	<b>Total</b>	<b>3,588</b>	<b>3,768</b>	<b>3,787</b>	<b>117</b>	<b>11,260</b>
	<b>% of the total acquisitions</b>	<b>31.87 %</b>	<b>33.46 %</b>	<b>33.63 %</b>	<b>1.04 %</b>	<b>100.00 %</b>

\*) incl. CD-ROMs, microforms, video and audio recordings

Analysis of Total Acquisitions by Subject

l. i. %

	Subject Group	Exchange	Donations	Purchase	Non-Printed Documents*)	Total	
1	Generalities	297	225	241	1	764	6.79
2	Philosophy, psychology	170	212	247	0	629	5.59
3	Religion, theology	115	214	125	0	454	4.03
4	Sociology, statistics	187	98	197	2	484	4.30
5	Politics, economics	403	222	439	25	1,089	9.67
6	Law, public administration, insurance	181	103	163	23	470	4.17
7	Military art and science	31	18	81	1	131	1.16
8	Education, teacher-training, leisure	52	118	44	3	217	1.93
9	Trade, communication, transport, tourism	29	46	11	7	93	0.83
10	Ethnography, cultural anthropology	118	67	86	0	271	2.41
11	Philology, languages, linguistics	154	174	147	1	476	4.23
12	Mathematics	37	29	43	0	109	0.97
13	Natural sciences	135	156	115	9	415	3.69
14	Medical sciences, public health	108	49	30	4	191	1.70
15	Engineering, technology, industries, crafts	16	96	31	6	149	1.32
16	Agriculture, forestry	15	41	1	6	63	0.56
17	Domestic science	1	7	5	0	13	0.12
18	Management, administration and organization	21	32	19	0	72	0.64
19	Town and country planning, architecture	62	63	73	4	202	1.79
20	Plastic and graphic arts, photography	141	122	238	2	503	4.47
21	Music, performing arts, theatre, film and cinema	144	440	236	22	842	7.48
22	Games and sports	3	31	24	0	58	0.52
23	Literary studies	315	339	365	0	1,019	9.05
24	Geography	44	97	53	0	194	1.72
25	History, biography	688	454	684	1	1,827	16.23
26	Literary texts	121	315	89	0	525	4.66
	<b>Total</b>	<b>3,588</b>	<b>3,768</b>	<b>3,787</b>	<b>117</b>	<b>11,260</b>	<b>100.00</b>

\*) incl. CD-ROMs, microforms, video and audio recordings

B. PERIODICALS

**Total 441 titles**

of which:	titles	%
Exchange	128	29.00
Donations	25	5.70
Purchase	288	65.30

## Statistical Indices of the Services

An Overview of the Services Provided in Loan Departments and Reading Rooms of the National Library of the CR 2015

Items Monitored	Main Hall	General Reading Room	Social and Natural Sciences Reading Room	Scholars Reading Room	Reference Centre	Periodicals Reading Room	Manuscripts and Early Printed Books Reading Room	Music Department Reading Room	Reading Room in the National Library in Hostivař	Library and Information Science Library	Slavonic Library	Archives of the NL CR
Registered loans	276,296	177,872	1,045	58,498	14,485	26,310	2,505	951	4,053	8,364	43,589	551
of which: home loans	276,296	0	0	0	1,679	836	0	0	0	4,820	31,825	2
in-house use of documents	0	177,872	1,045	58,498	12,806	25,474	2,505	951	4,053	3,544	11,764	549
Registered users	25,134				1,763						1,237	11
of which new library cards	5,534										291	
Library usage	181,218	64,234	11,257	7,056	23,636	6,717	1,178	356	801	2,439	10,106	36
Users Requests	283,068											
of which fulfilled abroad	281,632											
Interlibrary-service requests					15,081						614	
of which ordered abroad					4,552						34	
Overdue notices sent through the lawyer's office	58										5	
Photocopying and printing for users	28,660		138,585		66,258	16,209			608		8,168	

The National Library of the Czech Republic provides library and information services as its fundamental statutory activity under the terms defined by the Library Rules and Regulations. The range of the basic services is stable and is focused mainly on the in-house use of physical collections. In addition, the making accessible of the contents of documents online and through digital libraries becomes a common part of the basic services. Digital libraries are made accessible in accordance with copyright both directly in the library and through remote access. In consistence with the negotiated licence terms and conditions, acquired electronic information sources are usually made accessible under the so-called remote access following the authentication of the library's registered users. The gradual virtualization of services thus reduces the physical visits and the necessary stay in the library to a minimum. In 2015, the overall physical attendance rate of the library was still affected by the continuing construction work on the revitalization of the Klementinum. Together with the unavailability of a part of the collections due to the moving and preparations for reconstruction of the old library premise in Hostivař, this Klementinum revitalization translated into the attendance rate of the main reading zone as well as the attendance rate of the Music Department Reading Room, which has been sharing the Manuscripts and Early Printed Books Reading Room since 2015 (see the table *An Overview of the Services Provided ...* and Graph 8).

The attendance rate of the library as an educational and cultural centre and, in particular, as a protected monument, shows an increasing trend. Cultural events were attended by more than 114 thousand visitors; 13 thousand persons participated in an educational event organized by the National Library. Among cultural and educational events, the short-term exposition of important written heritage in the Mirror Chapel was the most successful. The two-day exposition of the original *Codex of Vyšehrad*, complemented with the browsing in the manuscript facsimile, was visited by 5,611 interested persons. The one-day exposition of the *Paris Fragment of the Chronicle of Dalimil*, held at the occasion of the commencement of the EXPO 2015 world exhibition in Milano, attracted close to 1,500 visitors to the Mirror Chapel.

The most frequently visited reader area in the long term is the Main Hall as the centre of first reception of users. The most used among reading rooms is the General Reading Room with the highest

number of study places (205) and the longest opening hours (75 hours a week) (see the table *An Overview of the Services Provided ...* and Graphs 3 and 8). The decreased attendance rate of the Reference Centre (see the Table with *An Overview of the Services Provided ...*) was affected by the interrupted operation of this reading room in September and October when Reference and Interlibrary Loan Services was moved to substitute premises due to the continuing revitalization of Klementinum.

As for the indicators monitored, they implied a decrease in the number of loans in 2015, which is mainly influenced by the gradual withdrawal of larger parts of the collections due to the need of moving caused by the ongoing revitalization (see the table *An Overview of the Services Provided ...* and the table on *Basic Services of the NL CR in Numbers ...* and Graphs 4 and 7). The aforesaid factor appears to have influenced also the number of the readers' requests (see *Basic Services of the NL CR in Numbers...*). It should be noted that, out of that number, loan renewal requests exceeded 200 thousand again and were made mostly online. In the reporting period, the request success rate remained high – 99 %. The users have become accustomed to submitting their requests remotely – via internet, which is manifested by the increased number of requests submitted online compared to previous year. They have also become used to the convenience of reminders and notifications, of which the automated loan system sends tens of thousands. More than 90 % of requests for document delivery from the library's storage areas were made online, of which only less than 5% from computers available in the library. *A Walk through the National Library*, which aims at informing new users and interested persons about reading rooms and library services, has already become a part of the standard range of services.

Interlibrary services in the world of the internet and subscription-based online databases cover mainly highly specialized requests for loans and copies; as a rule, these are documents that are difficult to find and their acquisition is highly expensive, in particular those, which need to be ordered from abroad. The number of requests for national and foreign interlibrary services has shown a stable level since 2013 (see Graph 5). The continuous downward trend is typical for the area of reprographic services, particularly as regards the making of photocopies and printouts (see the table *An Overview of the Services Provided ...* and Graph 6). The services on the different websites operated by the library are developed dynamically. The visit rate of the virtual reference service website *Ask Your Library* remains high. In 2015, it was the second most frequently visited website (see Graph 10), with the main library domain *nkp.cz* being at the top. Among other domains, *caslin.cz* showed the strongest increase since the previous year. A high rate of use is also reported in relation to digital libraries and portals which are still being built by the National Library, as well as other electronic information sources (see Graphs 11 and 12), which the National Library provides as intermediary for its registered users.

The Kramerius digital library, which was upgraded with Kramerius 4 in 2014, registered an increase in the visit rate compared to 2014, but the number of downloaded (displayed) pages decreased (see Graphs 11 and 12). *Bohemica* documents from the 19<sup>th</sup>–21<sup>st</sup> centuries, which were digitized as part of the NDL project and account for a large part of the content of Kramerius 4, are made accessible mostly on the computers located in the reading rooms of the NL CR. At present, the aforesaid aspect strongly affects the usability of this digital library in the virtual environment.

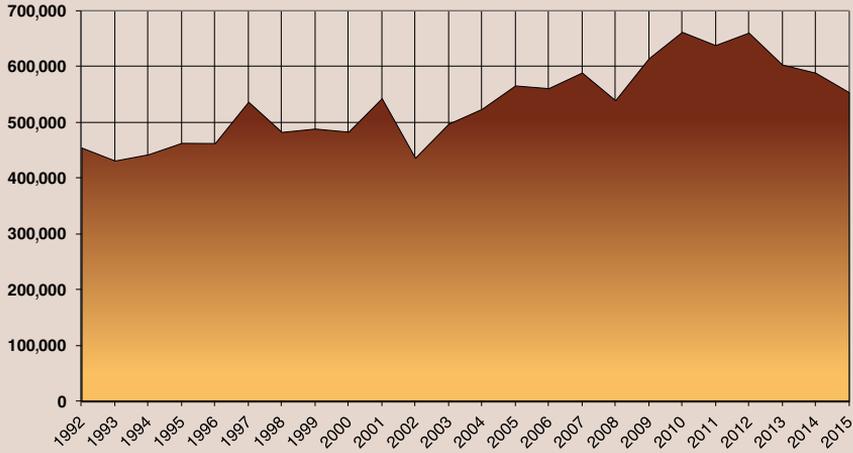
Consequently, electronic information resources have become a crucial area, which influences the users and the general public the most in their evaluation of the quality of online information services provided by the library. E-lending, i.e. offline use of e-books downloaded to the users' own hand-held devices from the ebrary Academic Complete electronic library has become a standard service of the National Library; the main catalogues of the library and electronic resources are also made accessible through the EDS – EBSCO Discovery Service interface. EDS, whose central index was extended in 2015 to include additional licensed databases and databases with open access sources, showed a very solid level of use. It was accessed nearly 17 thousand times during the reporting period.

During their stay in the reading rooms, the majority of the library visitors take advantage of the internet access through WiFi, this network covers all of the main study and relaxation areas of the library. The innovated WiFi network currently allows a higher number of simultaneous users, whether with authenticated or anonymous access – the most utilized access points are located in the main user areas (the General Reading Room, the adjacent study zone and the Reference Centre), in which more than 75 % of all network access sessions (192 thousand) were registered.

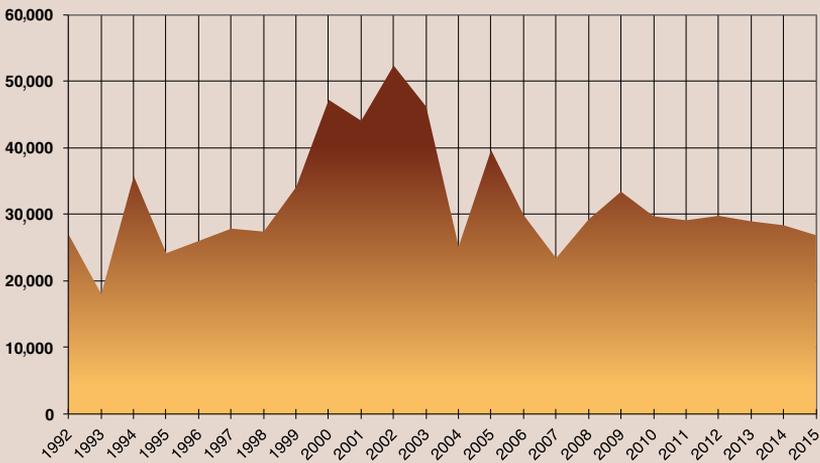
## Basic Services of the NL CR in Numbers in 2001–2015

ITEMS MONITORED	2001–2010 Average		2011		2012		2013		2014		2015	
	number	index	number	index	number	index	number	index	number	index	number	index
<b>Registered loans</b> (all the registered home and in-house uses including the loans made during the provision of reprographic and interlibrary services)	553,764	100	638,731	115	661,102	119	603,926	109	589,323	106	554,506	100
<b>Registered users</b> (all the newly-made library cards, or library cards with renewed validity, and entry permits for the reading rooms)	35,324	100	29,130	82	29,799	84	28,975	82	28,388	80	26,897	76
<b>Library visits</b> (visitors to reader areas including visitors of educational events, professional meetings and seminars)	435,476	100	344,362	79	350,179	80	322,987	74	316,529	73	294,118	68
<b>Requests submitted by users</b>	290,720	100	322,766	111	343,971	118	295,804	102	316,044	109	283,068	97
<b>of which fulfilled</b>	278,075	100	317,151	114	341,394	123	293,403	106	313,910	113	281,632	101
<b>Request success rate in percentage</b>	96 %		98 %		99 %		99 %		99 %		99 %	
<b>interlibrary-service requests</b>	24,447	100	18,040	74	16,582	68	15,882	65	15,671	64	15,081	62
<b>of which ordered abroad</b>	6,987	100	4,784	68	4,622	66	4,541	65	4,612	66	4,552	65
<b>Photocopies and print-outs for users</b>	492,546	100	460,736	94	386,132	78	354,532	72	303,696	62	249,712	51

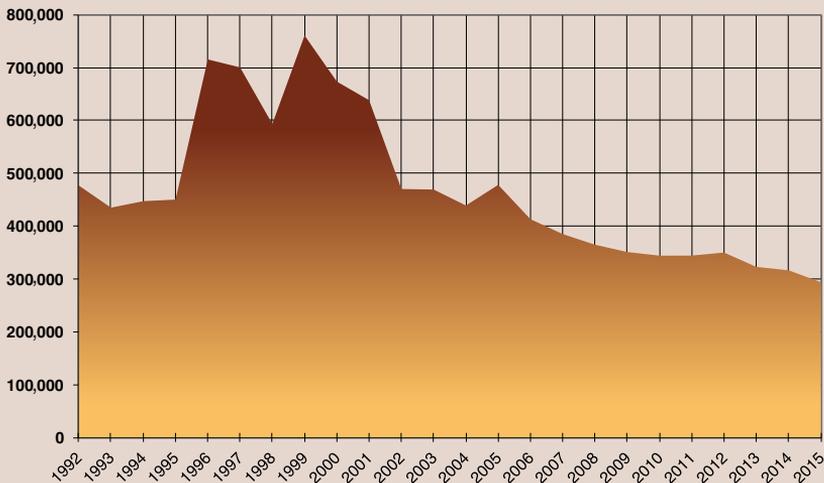
### 1 Loans



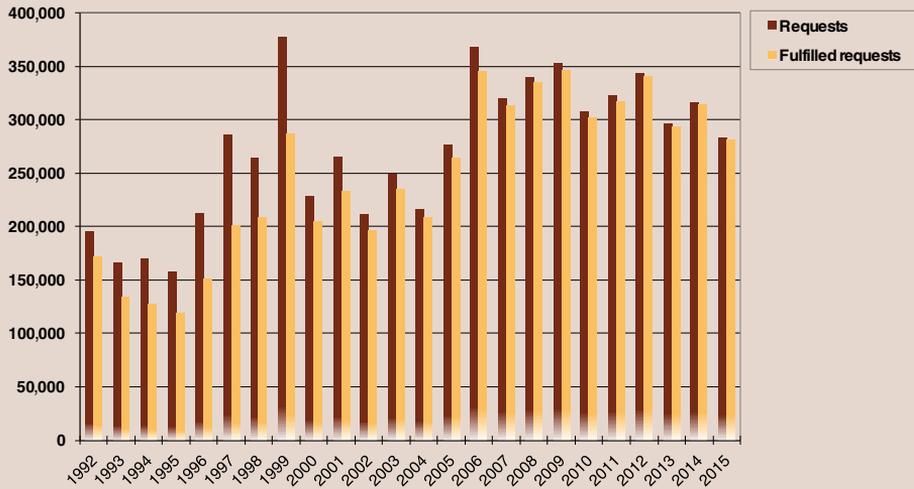
### 2 Registered Users



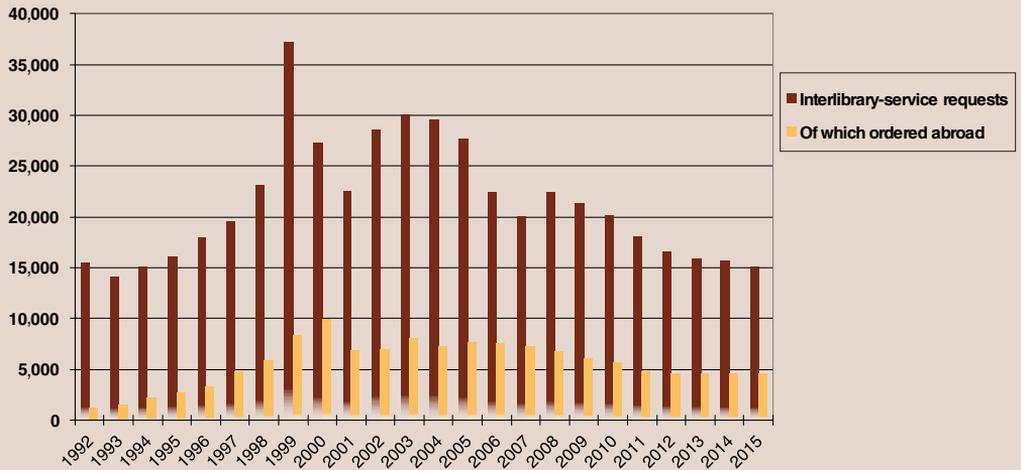
### 3 Attendance Rate of Loan Departments and Reading Rooms



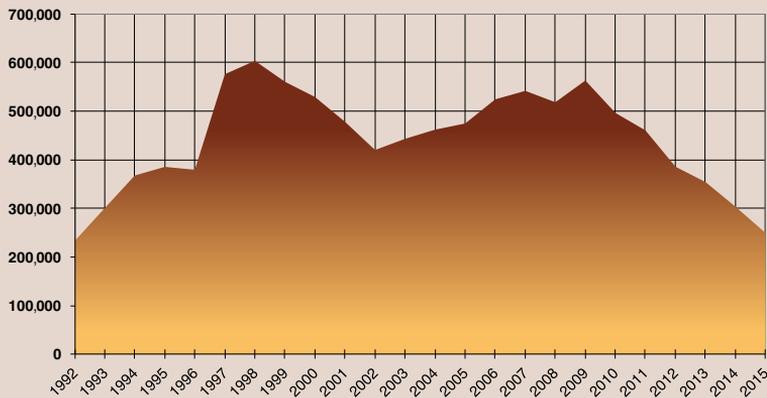
#### 4 Requests



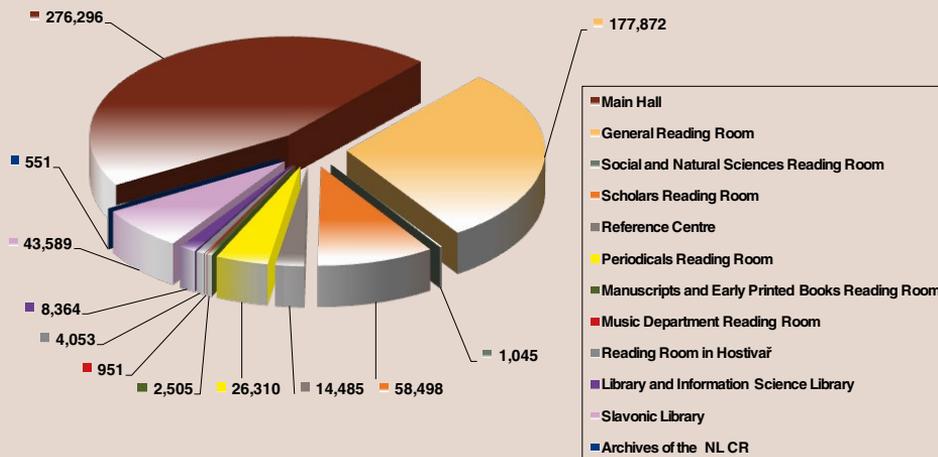
#### 5 Interlibrary Services



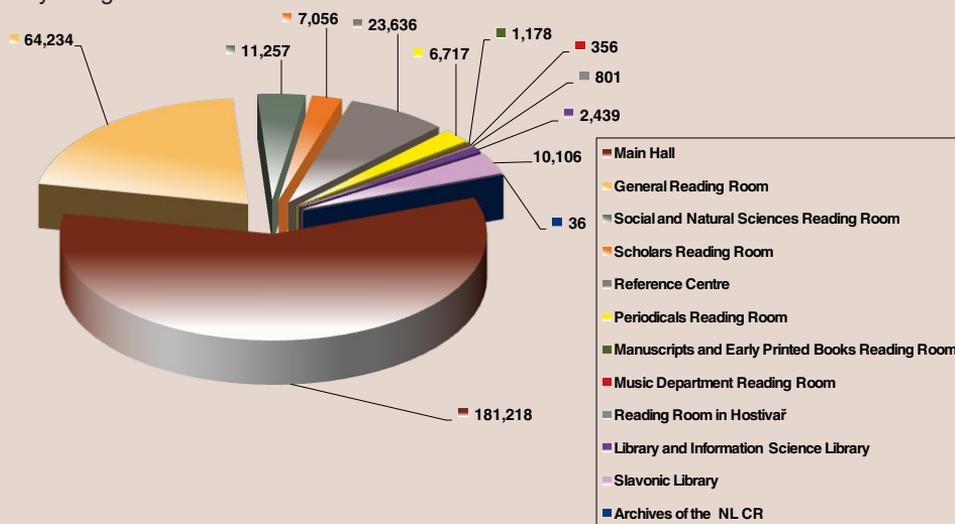
#### 6 Photocopying and Printing



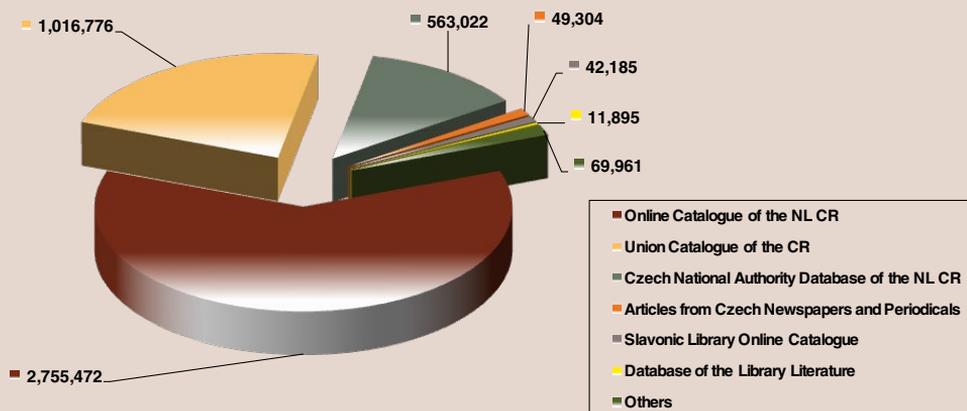
### 7 Registered Loans



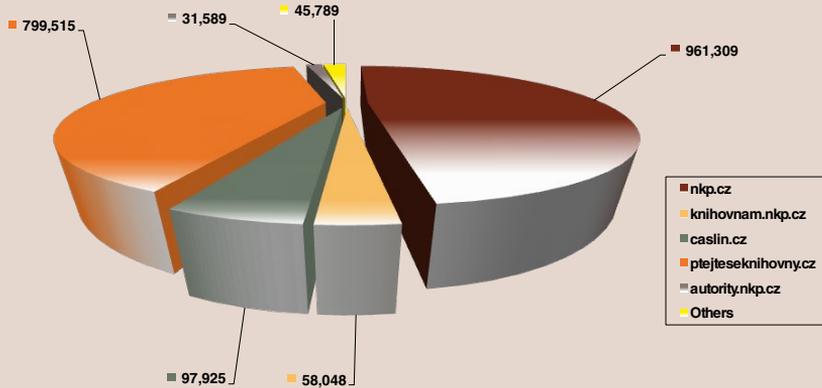
### 8 Library Usage



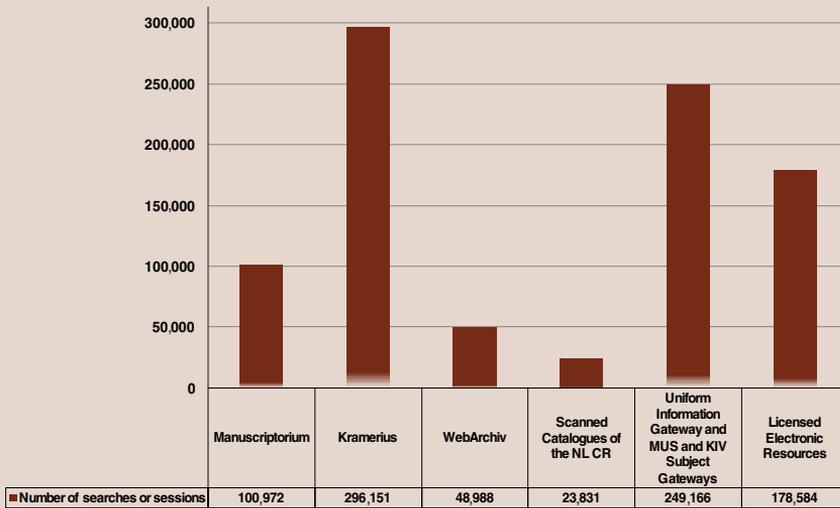
### 9 Usage of the Catalogues and Databases of the NL CR



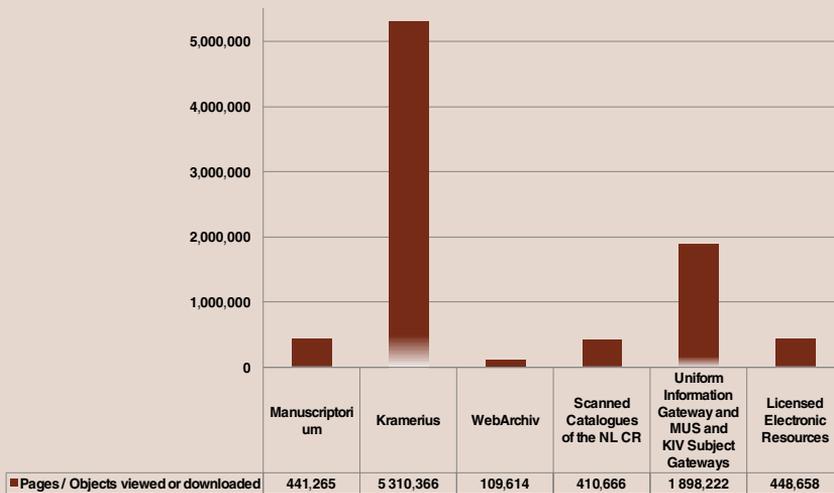
## 10 Website Access Rate



## 11 The Access Rate of the Electronic Information Resources



## 12 Usage of the Electronic Information Resources



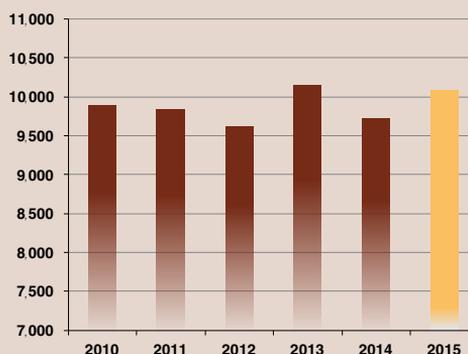
# Slavonic Library

## Services Provided

Registered users as of 31 December 2015	1,237
Library usage	10,106
Total number of loans	43,589

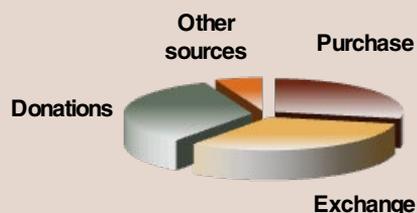
## Collection Acquisitions

Year	l. i.
2010	9,890
2011	9,830
2012	9,620
2013	10,150
2014	9,720
2015	10,082



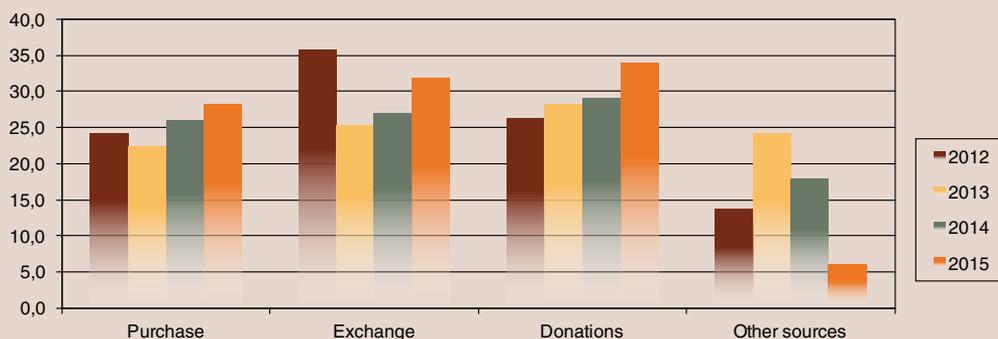
## Proportion of Individual Acquisition Sources in the Total Acquisitions in 2015

	l. i.	%
Total	10,082	100.00
Purchase	2,846	28.23
Exchange	3,207	31.81
Donations	3,423	33.96
Other sources	606	6.00



## Acquisition Structure in the Years 2012–2015 (in %)

	2012	2013	2014	2015
Purchase	24.2	22.4	26.0	28.2
Exchange	35.8	25.3	27.0	31.8
Donations	26.2	28.2	29.1	34.0
Other sources	13.8	24.1	17.9	6.0



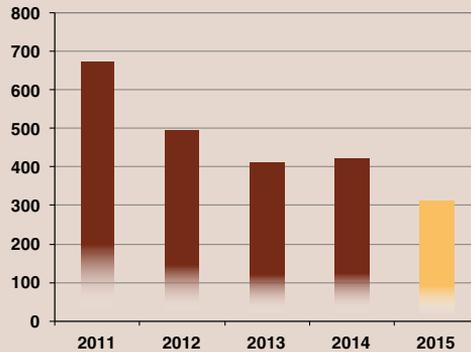
# Library and Information Science Library

## Services Provided

Library usage	2,439
Total number of loans	8,364

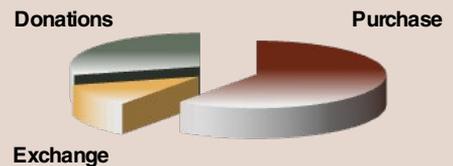
## Collection Acquisitions

Year	l. i.
2011	673
2012	495
2013	412
2014	423
2015	310



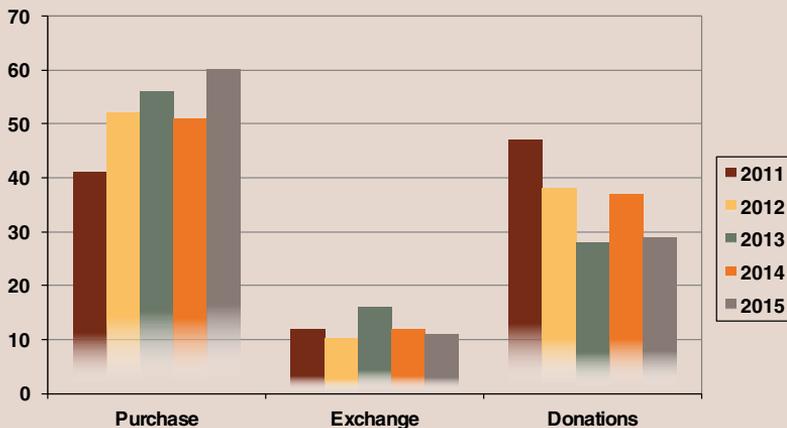
## Proportion of Individual Acquisition Sources in the Total Acquisitions in 2015

	l. i.	%
Total	310	100
Purchase	185	60
Exchange	36	11
Donations	89	29



## Acquisition Structure in the Years 2011–2015 (in %)

	2011	2012	2013	2014	2015
Purchase	41	52	56	51	60
Exchange	12	10	16	12	11
Donations	47	38	28	37	29



## Management of the Library's Collections

In 2015, the Collections Management Department of the National Library of the Czech Republic operated under the regular arrangements without any significant changes. The most important activities reported above standard were development activities related to the finalization of the different NACI project solutions, which entered their final implementation stage in 2015. The projects *Tools for Making Accessible the Printed Texts of the 19<sup>th</sup> century and of the First Half of the 20<sup>th</sup> Century*, *Czech Digital Library and Tools to Ensure Complex Digitization Processes* and *Creation of a Cooperative System for the Building and Management of Modern Conservation Book Collections in the Czech Republic and for Development of the Necessary Tools* achieved all expected results. Each of these projects shifts the development of the Czech librarianship to a higher level, with some of the activities being unique also in Europe-wide perspective – this concerns, in particular, our cooperation with the experts from the Czech language corpus of the Faculty of Arts of the Charles University as part of the development of specialized dictionaries of older forms of the Czech language and the subsequent lemmatisation, as well as steps taken to build a system of depository storage of *Bohemica* collections including the emergence of methodological rules for management, protection and permanent preservation of conservation collections.

In addition to the research activities referred to above, the Collections Management Department staff devoted their efforts to further mapping of the so-called reserve collections located in the Neratovice depository. Apart from the continuous processing of *Bohemica* book collections, which serves not only for the record keeping itself, but also for complementing other collections in the NL CR, activities related to non-*Bohemica* documents were commenced in 2015 as well and are carried out as part of the project *Rediscovered Books*, which is financed through the EEA and Norway financial mechanisms. Within the project, those documents are selected which allow us to find information about their original owners; these books are subsequently processed in accordance with the applicable cataloguing standards and safely deposited. Based on the provenance signs, the research of selected original owners continues and shows that the so-called reserve collections comprise books from interesting figures and institutions of the first half of the 20<sup>th</sup> century, such as Gregor Schwartz-Bostunitsch and August Sauer.

Activities, which are carried out in cooperation with other specialized units of the NL CR, continued in 2015 as well. Among the most important ones, we can mention the preparation of documents for the Digitization Unit of the National Digital Library and the participation in continuous research of modern collections, carried out by experts from the Collections Preservation Division. In the context of selecting documents for digitization, frequent recurrence of identical items of documents discarded by public libraries, which are often included also in donations made by natural persons, appears to be a limiting factor, which restricts resources for the so-called destructive digitization. The mapping of the physical conditions of book collections contributes to efficient decision-making about the need and intensity of conservation and restoration interventions, builds an information base for both individual and mass preservation processes in relation to book collections and helps increasing the efficiency of financially costly processes such as bookbinding or deacidification.

As regards binding of book collections, more than 7,500 documents and nearly 3,300 documents were processed through outsourced and in-house bookbinding, respectively, in 2015. Statistical values for document shelf marking show stable values in long-term comparison. Compared to previous years, there was once again a slight decrease in the total expedition value of ULC collections; however, this is a forced consequence of the closure of several additional shelf marks that are unavailable in view of the ongoing removal of collections due to the preparations for the reconstruction works in both Klementinum and Hostivař. On contrary, there is a major increase in work carried out by collection administrators as well as by the different shipping officers as regards searching for documents and supervising the removal work. Activities related to the management of the National Conservation Collection and the users' requirements show similar values in the long run; however, the demand for NCC collections can be expected to grow along with the progressing construction works in the different premises of the National Library of the Czech Republic, which is not very desirable in view of the status of its archive collection.

A new working group was established in 2015 to coordinate proposals for granting the statuses and units and to revise the shelf marking method, the so-called unit committee. Staff from across the Book Collections and Services Division are involved in the activities of this working group and discuss the

progress achieved in the granting of statuses and units in order to ensure that they better correspond to the existing practice and applicable legislation in force.

In the past year, the Collections Management Department focused also on the preparation and drafting of conceptual documents to be developed within the Ministry of Culture of the Czech Republic and the NL CR itself. The most important documents of strategic nature included the Implementation Plan for the 2015–2020 National Cultural Policy and the 2016–2020 Development Policy for Libraries in the Czech Republic where many activities aiming at permanent preservation of book collections were successfully integrated. These documents will serve as the basis in the future when applying for financial grants for various activities connected with management and preservation of modern collections, which is of utmost importance.

## Statistical data of the Collections Management Department

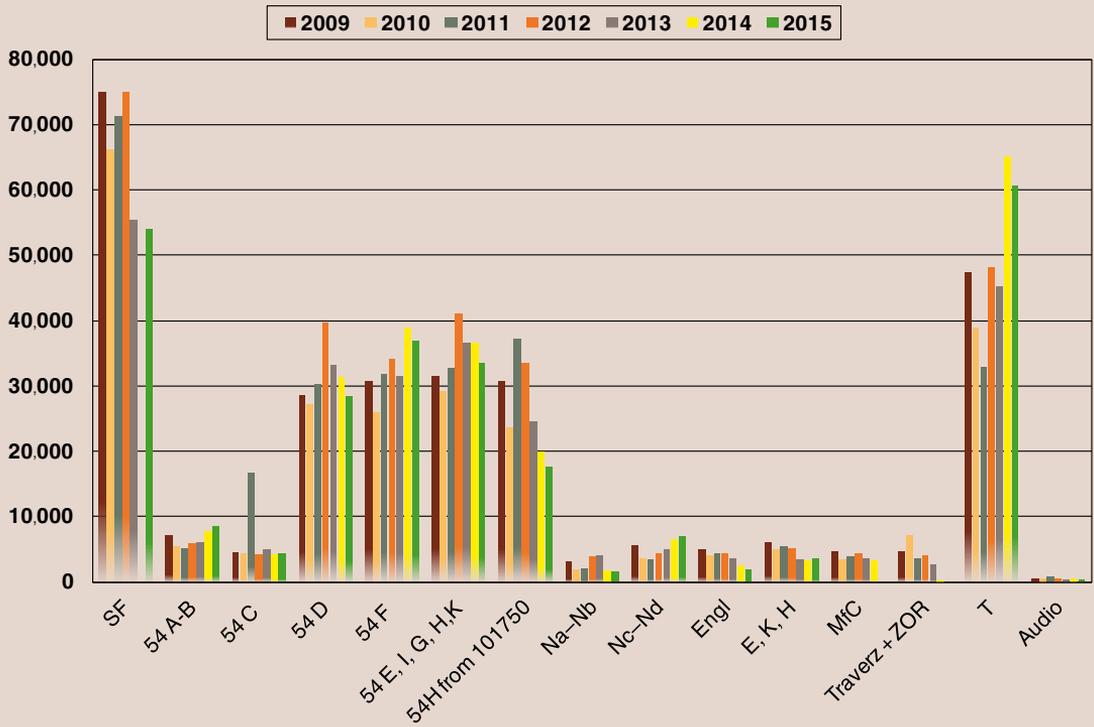
### The Management of the Library's Collections

Allocation of call numbers for new acquisitions of the Universal Library Collection (ULC)	44,747
Allocation of call numbers for new acquisitions of the National Archival Collection (NAC)	33,079
Cataloguing the documents of the 19th century	5,691
Outsourced bookbinding	7,571
In-house bookbinding	3,217
Search for missing documents	886
Cataloguing of damaged documents	209
Number of revised volumes	202,746
Book collections written off (in volumes)	1,891
Total deliveries of books to users	316,044
The Klementinum ULC deliveries	263,877
Hostivař ULC deliveries	19,191
Study Collection deliveries	53,945
NAC deliveries	11,270

## The Number of Documents Delivered in 2009–2015 by Shelf Mark

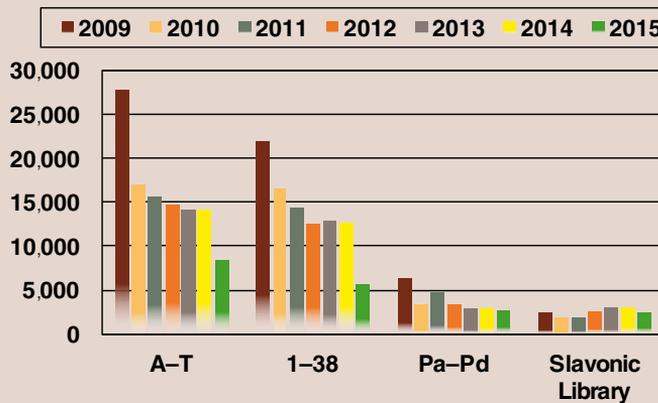
### Documents delivered in the Klementinum

	2009	2010	2011	2012	2013	2014	2015
<b>SF</b>	74,778	66,018	71,228	74,934	55,206	60,321	53,945
<b>54 A–B</b>	6,993	5,327	5,192	5,854	6,042	7,678	8,462
<b>54 C</b>	4,421	4,226	16,680	4,120	5,028	4,135	4,261
<b>54 D</b>	28,444	27,183	30,173	39,597	33,133	31,289	28,341
<b>54 F</b>	30,712	25,889	31,741	33,980	31,469	38,892	36,926
<b>54 E, I, G, H, K</b>	31,489	29,123	32,640	41,054	36,662	36,627	33,457
<b>54 H from 101750</b>	30,735	23,577	37,080	33,522	24,625	19,864	17,600
<b>Na–Nb</b>	3,072	1,865	2,040	3,785	3,963	1,804	1,509
<b>Nc–Nd</b>	5,457	3,630	3,447	4,273	4,962	6,579	6,947
<b>Engl</b>	5,049	3,892	4,291	4,330	3,696	2,409	1,854
<b>E, K, H</b>	6,079	4,920	5,302	5,141	3,501	3,226	3,600
<b>MfC</b>	4,631	3,487	3,860	4,339	3,609	3,227	3,410
<b>Traverz + ZOR</b>	4,732	7,008	3,607	3,944	2,592	72	0
<b>T</b>	47,331	38,812	32,884	48,150	45,205	65,042	60,605
<b>Audio</b>	541	562	724	559	375	588	376



Documents delivered in the CDH

	2009	2010	2011	2012	2013	2014	2015
<b>A-T</b>	27,757	16,963	15,592	14,715	14,120	14,066	8,276
<b>1-38</b>	21,879	16,501	14,303	12,519	12,893	12,634	5,669
<b>Pa-Pd</b>	6,292	3,274	4,747	3,282	2,843	2,843	2,663
<b>Slavonic Library</b>	2,396	1,781	1,937	2,538	2,979	2,979	2,423



## Activity of the National Archival Collection Department

### Allocation of call numbers

Quarter	Books	Periodicals	Special documents	Total
I.	6,180	1,883	883	8,946
II.	5,527	642	1,715	7,884
III.	5,439	1,048	1,771	8,258
IV.	4,770	1,223	1,998	7,991
<b>Total</b>	<b>21,916</b>	<b>4,796</b>	<b>6,367</b>	<b>33,079</b>

Quarter	Created units	Loans for staff	Copies for staff	Copies for researchers	Searching, repair, verification	Backfilling
I.	15,928	694	5,031 + 34	147	1,858	3,725
II.	9,503	564	3,393 + 24	211	1,419	3,010
III.	7,137	366	1,860 + 20	124	1,917	2,295
IV.	6,735	375	1,706 + 16	120	1,442	2,240
<b>Total</b>	<b>39,303</b>	<b>1,999</b>	<b>12,084</b>	<b>608</b>	<b>6,636</b>	<b>11,270</b>

### Study room – 35 hours in a week

Month	Researchers	Number of volumes
January	79	285
February	70	468
March	84	515
April	70	423
May	54	430
June	61	291
July	50	194
August	55	244
September	57	279
October	64	154
November	81	469
December	76	301
<b>Total</b>	<b>801</b>	<b>4,053</b>

## Preservation of the Library's Collections

Similarly to previous years, the preservation of the library's collections and care for their good physical conditions in the Collections Preservation Division required very intensive efforts in 2015. It focused on the monitoring of climatic parameters and the microbiological activities in the depositories of the National Library of the Czech Republic and, in particular, on the implementation of the digitization project in cooperation with Google in terms of collection preservation. The division manufactured protective covers (boxes and folders) from archive-quality cardboard for the collections of the NL CR as well as for libraries participating in the LPIS 7 project, and for archives, museums and other institutions. We produced bookbinding and rebinding and carried out salvage conservation and restoration tasks in relation to both modern and historical library collections. A large number of flooded or otherwise water-damaged documents and books from various institutions and companies were dried in the multi-purpose vacuum chamber. Mechanical cleaning of library collections was done on a continuous basis.

The DEPULVERA® machine for continuous cleaning of library collections from dust particles was purchased by the NL CR on 5 June 2015 to increase the cleaning performance and efficiency in relation to library collections, particularly the modern ones (originating after 1800). The machine not only automatically cleans the books, but working with it is also safe for our staff because the dust particles cannot escape outside of the machine and, thus, cannot contaminate the depository. The machine includes a powerful, yet very silent vacuum cleaner with HEPA filter and a filter for very fine dust particles. The machine was acquired from the Asset Development Fund of the National Library of the Czech Republic and delivered by Ceiba. Approximately 1,500 linear meters of books (a little less than 50,000 items) were cleaned in the second half of 2015 since we have started using this machine. When used to clean collections directly in the depositories, the machine has proven its worth: its use is more efficient and approximately ten times faster than the previous cleaning method or than manual cleaning with vacuum cleaners, as the case may be.

In 2015, the activities of the Restoration Department in the Collections Preservation Division focused on methodological supervision of external restorers and on smooth implementation of the project *Mass Digitization of Historical and Rare Documents in Cooperation with Google*. The Manuscripts and Early Printed Books Department and the Slavonic Library inspected collections to be digitized. During the year, the restorers examined a mechanically cleaned a total of 16,590 historical and rare documents. They carried out partial renovations as well as larger restoration interventions. The research conducted gave rise to a set of preventive measures, followed by partial renovation of a selected part of the collection, which is now ready to be transported for digitization. In 2015, the Restoration Department also participated in the preparations of a large number of both domestic and foreign exhibitions (see the Calendar of Events). In addition, the Restoration Department restored 31 cultural heritage items as part of the work to prepare manuscripts for digitization in 2015. A number of important Utraquist manuscripts from the 15<sup>th</sup>–17<sup>th</sup> century period were restored in the workshops of the Restoration Department at the end of the year for the purpose of the Klementinum Christmas exposition on *Biblical stories in Renaissance illuminations*. These are richly illuminated choral songbooks, mostly oversized. The manuscripts were damaged due to their weight and size; the damaged binding and book covers were restored. The books were restored and exposed in specially designed display stands.

The Preventive Conservation Department carried out conservation and restoration interventions in the so-called modern collections and 40 books were restored for HO and from the 19<sup>th</sup> century collection. Restoration tasks were carried out on bookbindings that were suitable for a heritage procedure development and for repairs of cloth bookbindings in the NACI 0149 project. Methodological guidelines for principles of work intended for bookbinders of the National Library of the Czech Republic were also prepared.

Restoration activities continued also in 2015 to prepare a large cycle of rare Baroque theses intended for the upcoming exhibition in the National Gallery (NG). The preparations consisted in inspecting the physical condition and fitness of the different graphical items which, in some cases, were more than two meters large, for the purpose of their potential exposition. This was followed by expert transport to the restoration unit and preparations for their restoration. We plan to display a cycle consisting of up to several dozens of theses in the exhibition. The physical condition of the theses is not very good; they are mechanically damaged at many places and show signs of frequent use. The types of damage that can be found in the entire set include embrittled paper, paper cracks, tearing edges, signs of chemical



The same book after restoration. Photo: Kristýna Boumová

A 19<sup>th</sup> century book with semi-leather binding before restoration. Photo: Kristýna Boumová

or biological damage – dark stains, leaks, traces of micro-organism vegetation and other. Consequently, most theses will be subject to at least a partial restoration intervention; several of the most damaged theses will go through a full, in other words complete, restoration. In the entire history of existence of this collection, this is the largest mass exposition event.

Thanks to the financial grant provided by the Ministry of Culture of the Czech Republic in 2015 for the development of the National Library of the Czech Republic as a research organization, the ResIS was “re-designed” as part of the project on *Analysis and preparation of uniform information system with auxiliary library tools*. Analytical, programming and system activities related to its implementation focused primarily on supporting the system operation, redesigning the system to create uniform environment, preparing a graphical manual for uniform appearance and building a central user administration system. Defined user groups can now see only those functionalities, for which they have authorization. The initial solution was replaced by the RIA client application, which combines the advantages of thin and thick client in a suitable way. Comprehensive arrangements to ensure the operation of the web application and the “re-implementation” of ResIS in the network environment of the National Library of the Czech Republic were carried out by COMINT s.r.o.

Forms in the central database were checked and procedures for researchers (pH value, material determination, etc.) were developed as part of institutional research support in *Area 4. The Development of the Methodologies for the Preservation, Conservation and Restoration of Library Collections (Both Historical and Modern)*. The database was improved, new interfaces were designed and extra functions were added together with an electronic form for the inspection of the physical condition of book volumes; over 35,000 volumes from modern collections were examined, a methodology for preparing modern library collections for deacidification as well as a methodology for preparing historical printed books for digitization were developed, and both methodologies were prepared for certification. In addition, new research was conducted in the area of plastic bookbinding and covers and simple tests of mechanical and optical properties were carried out. Other deacidification methods were tested. The so-called register of deacidified books was created in cooperation with colleagues from the Collections Management Department.

The *Methodology for preventive care for historical library collections in the specific conditions of heritage facilities under the management of National Heritage Institute* was prepared in OOKF (Collections Preservation Division) and certified as part of the national project *Printed Books of the 16<sup>th</sup> Century in Château Libraries in the Czech Republic*, which is in its final stage. The methodology for using the SurveNIR system for inspection of the physical condition of books was certified and a workshop in NTM was held as part of the national project *Methodology for Evaluation of Air-Quality Effect on Library and*

*Archive Collections*, which is in its final stage and is coordinated by the Institute of Chemical Process Fundamentals of the Academy of Sciences of the Czech Republic. Two methodologies – *Methodology for determining fungicidal effects of vapours from essence oils and their compounds on mould spores at various substrates* and *Methodology for disinfecting books attacked by mould* were submitted for certification as part of another national project *Preservation of Book Collections and Documents through Essential-Oil Application*, which is also in its final stage. In addition, *Verified book disinfection technology* was handed over and the “Equipment for dosing essential oil compound vapours vaporized from liquid phase into closed spaces to test their disinfection efficiency” was registered as a utility model.

In the national project on *Research, conservation and care for modern library collections – materials and technologies*, measurements and analyses were carried out using the Microfading tester – blue wool standards, bookbinding clothes and identification and evaluation of correctness of measurements with plastics using the the SurveNIR system. Materials and documentation were also examined using the HIROX 3D digital microscope, which was acquired from the Asset Development Fund of the National Library of the Czech Republic and allows examination of materials of library collections under up to 2500x magnification, 3D mapping and a number of image analyses. New database for the SurveNIR system was purchased, allowing for non-invasive identification of the type and group of plastics. Consequently, this device further pushed forward the frontiers of the technological department of the National Library of the Czech Republic in inspecting the physical condition of library collections. **We are the only institution in the world that owns and uses this software.**

The Collections Preservation Division staff participated in a number of domestic and international specialized events (conferences, workshops), and the Collections Preservation Division itself also organized several international specialized events – primarily workshops (for more details see the programme for *Research, conservation and care for modern library collections – materials and technologies*, p. 00).

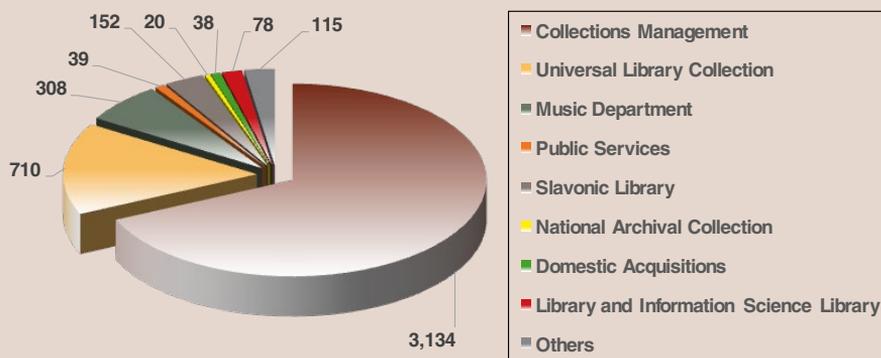
In 2015, the results of testing and development of the conservation and restoration procedures were presented at the UCM international conference on *Subliming surfaces* in Cambridge, at the AMG KoKR Conference in Pilsen, at the CSTI conference in Bratislava and at the XIII IADA Congress in Berlin.

Traineeships of students of secondary and higher engineering school of graphics (SPŠG and VOŠG) and a traineeship of the students of the Faculty of Restoration at the Pardubice University, as well as an expert workshop in NTM in cooperation with Institute of Chemical Process Fundamentals and NA took place in 2015.

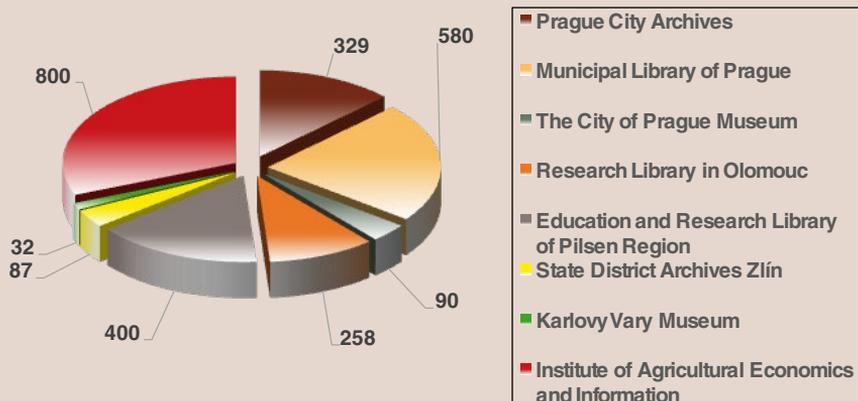
BcA. Jana Dřevíková also participated in the preparations for the international XIII IADA Congress held during 11–16 October 2015 in Staatsbibliothek in Berlin. Dr. Vávrová, the Director of the Collections Preservation Division, participated in a meeting of heads of restoration departments in European libraries *Minutes of Heads of Conservation/Collection Care Meeting*, which was held in Staatsbibliothek in Berlin on 16 October 2015. She gave a presentation of the functioning of collection preservation and new equipment in the National Library of the Czech Republic. **In comparison with other European libraries, we can conclude that our library keeps pace and has equipment and devices at European level.**

More details about the different activities of the Collections Preservation Division are available at the division’s website which is continuously updated.

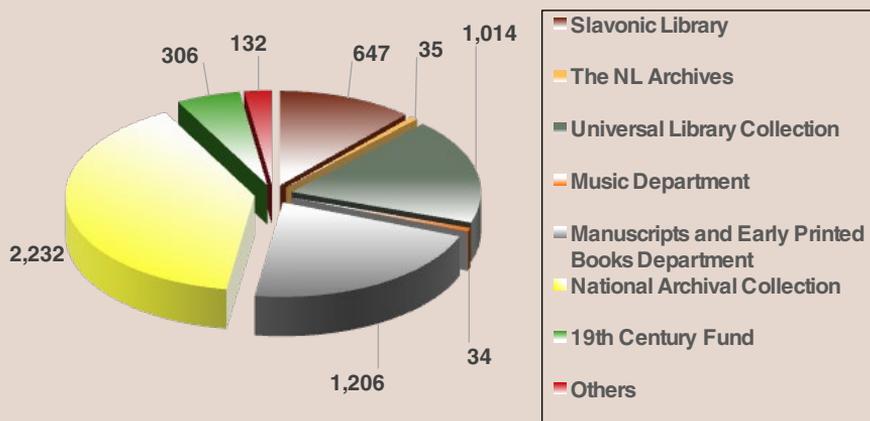
Overview of Bookbinding Work (number of items)



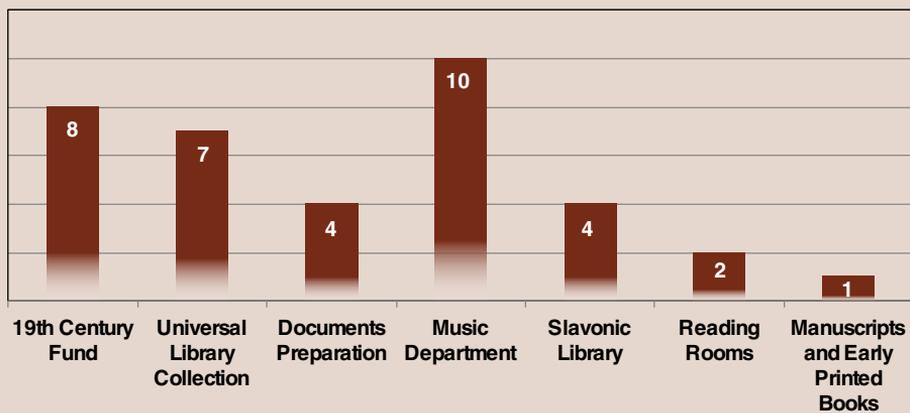
Production of protective covers – for use outside the NL (number of items)



Production of protective covers – for in-house use (number of items)



Restoration



## Statistical Data of the OOKF for 2015

Excursions, consultations, conferences, lectures, internships	počet
Professional consultations – outside the NL CR	80
Excursions	53
Attendance at conferences – passive	40
Participation in conferences – active (lectures, posters)	30
Internships in the field – Czech	12
Internships in the field – international	1
Organisation of conferences	1
Organisation of workshops	3
Education (public lectures)	2
<b>Microbiological swab-sampling and pollutants</b>	
<ul style="list-style-type: none"> <li>Swab-sampling – within the NL CR (outside the project <i>Mass Digitisation of Historical and Rare Documents of the National Library of the Czech Republic in Cooperation with Google</i>; shortened to the 'GOOGLE project' below)</li> </ul>	143
<ul style="list-style-type: none"> <li>Swab-sampling – for the GOOGLE project</li> </ul>	294
<ul style="list-style-type: none"> <li>Swab-sampling – outside the NL CR</li> </ul>	0
<ul style="list-style-type: none"> <li>Pollutants with the aid of aeroscope – within the NL CR (outside the project GOOGLE)</li> </ul>	6
<b>Disinfection of books</b>	
Disinfection in butyl alcohol vapour – within the NL CR	18
Disinfection of rooms or depositories – within the NL CR	0
Disinfection of books – outside the NL CR	37
<b>Book drying</b>	
Book drying in a multi-purpose vacuum chamber – in-house	0
Book drying in a multi-purpose vacuum chamber – outsourced	Drying for Dokument Logistik, Faculty of Social Sciences in Prague Charles University, OV Pířerov, The Central Bohemian Research Library in Kladno
<b>Production of protective covers (in pcs)</b>	
Production of protective covers on a plotter – for in-house use	5 606
Production of protective covers by hand – for in-house use	90
Production of protective covers on a plotter – for use outside the NL (mainly within LPIS projects)	2 576
Production of the book stands for exhibition	55
<b>Mechanical cleaning of library collections</b>	
Mechanical cleaning of library collections (Klementinum, Hostivař, Neratovice) – manual (in rm)	5 057
Mechanical cleaning of historical library collections (Klementinum, Hostivař, Neratovice) – manual (number of volumes)	16 852
Mechanical cleaning of library collections (Klementinum, Hostivař, Neratovice) – DEPULVERA machine (newly from July 2015) (number of volumes)	48 950
Mechanical cleaning of library collections in modern collections reading rooms – in cooperation with students of the Graphic School Prague (in rm)	1 450
<b>Restoration and repairing (number of copies)</b>	
Books repaired – in-house bookbinding	4 594
Restoration for in-house use (historical and modern library collections)	298
Restoration for external entities	1
Exhibitions (restoration, installation, de-installation, facility report, climatic condition monitoring) (number of actions)	15
Analyses for external entities	20
<b>Research of the physical condition of books (historical and modern)</b>	
Research of the historical volumes of books (exhibitions, digitisation)	16 852
<ul style="list-style-type: none"> <li>of which: Research of the historical volumes of books (GOOGLE project)</li> </ul>	16 590
Research of the modern volumes of books	35 650
<b>Projects</b>	
Research project leader	4
Research project investigator on the part of the NL CR	2
Research project investigator	10
Project preparation	4

# Activities of the Centre for Communication

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## Important Events of the Year

28 January – 7 March

**Looking Back at the 90th Anniversary of Polish Studies in Prague**

The exhibition was organised by the Department of Central European Studies, Faculty of Arts, Charles University, Prague, in association with the Polish Institute, Prague, on the occasion of the 90th anniversary of the Department.

31 January – 1 February

**The Codex of Vyšehrad**

The two-day exhibition presented the original Codex of Vyšehrad, a unique manuscript of the Romanesque time.

9 March – 30 March

**The history of Czech PEN Club and Karel Čapek: Portraits**

An exhibition on the 90th anniversary of Czech PEN Club.

18 March – 7 May

**The Reconstruction of the Klementinum between World Wars**

The exhibition presented a significant period of reconstruction and adaptation of the Klementinum buildings into a functional area fully meeting the then needs of research libraries based there and their users.

19 March

**Stanari žute zgrade / Obyvatelé žlutého domu [Residents of the Yellow Building]**

A discussion with writer Rizah Pašalić from Bosnia and Herzegovina.

26 March

**Spring Fair in the Klementinum**

27 March

**Night with Andersen**

1 April – 23 May

**e-NL CR or Welcome to the Electronic World of the National Library of the Czech Republic**

The exhibition introduced more than 20 online resources and services provided by the NL CR: digital libraries Kramerius 3, Kramerius 4 and Manuscriptorium, EDS, ebrary and EBSCO, etc.

2 April

**News in the NL CR**

Press conference with a tour of the reconstructed premises of the Klementinum

24 April

**Minister of Culture Daniel Herman installed PhDr. Petr Kroupa in the office of the temporarily authorized General Director of the National Library.** Mr. Kroupa replaced Miroslav Rovenský, who resigned from this office.

27 April

**A meeting with Dr. František Kautman** on the occasion of the publication of a book in honor of F. Kautman *On the Thorny Paths of Life and Work*.

1 May

**The Paris Fragment of the Chronicle of Dalimil**

An exceptional display of the fragment of the richly illuminated manuscript of the Latin translation of the Chronicle of Dalimil on the occasion of the opening of the World's Fair EXPO Milano 2015.

- 14 – 17 May **Book World Prague 2015**  
21st International Book Fair and Literary Festival
- 21 May – 28 June  
**Jan Hus: A Problem to Accept Freedom**  
To commemorate the 600th anniversary of the execution of Jan Hus the NL CR organised an exhibition of documents from the collections of the Manuscripts and Early Printed Books Department.
- 26 May **The Prize of Rudolf Medek 2015**  
The prize was awarded to the archivist, researcher and literary historian Martha Dandová and the archivist and historian Raisa Machatková, who rendered outstanding services to make available the Russian and Ukrainian émigré archival collections preserved in the Museum of Czech Literature and the National Archives.
- 28 May – 18 July  
**Karel Vodák**  
A retrospective exhibition provides an overview of the artist's work in the field of graphic design.
- 19 – 21 August  
**Microfadeometry – Theory and Practice**  
An international workshop under the guidance of the expert Christel Pesme.
- Since 2 September  
**Spaces Around You**  
An exhibition prepared in cooperation with the National Library Archives.
- 9 September – 10 October  
**Books Are Difficult To Display: Jiří Rathouský (1924–2003)**  
An open cycle of exhibitions called *Knihy se těžko vystavují* highlights the work of leading book designers, graphic artists and typographers mainly of the period after World War II.
- 17 September – 25 October  
**Paul Stašek / The Physiognomy of the Soul**  
An exhibition of portraits of writers, poets, and philosophers, created by painter and architect Paul Stašek.
- 30 September  
**Meeting with Literature Radio Wave**  
A meeting of writers of different generations in the third year of the intergenerational festival Old's Cool ReFestival 2015.
- 6 October **Rožečti se a Včelka pro knihovny**  
A seminar focused on the development of reading skills of children.
- 8 October **Library of the Year 2015**  
Conferment of the state award of the Ministry of Culture of the CR.
- 15 October **Wooden churches in Subcarpathian Rus . Unique Photographs by Rudolf Hůlka (1887–1961) and Florian Zapletal (1884–1969)**  
A lecture by Prof. Mykhaylo Syrokhman (Transcarpathian Art Institute, Uzhhorod).

- 23 October – 9 January 2016  
**The Strength of Civil Society: The Fate of Jews in Bulgaria during Holocaust**  
 An exhibition, organised under the auspices of Minister of Culture of the CR Daniel Herman and in association with the Embassy of Bulgaria in Prague.
- 26 October **The 20th Century History as Presented by “Crocodile” – The Magazine *Krokodil* (1922–1992) and Its Role in the Soviet Cultural Propaganda**  
 A discussion associated with the presentation of the book series History Presented by Krokodil: the 20<sup>th</sup> Century (*Istoriia Glazami „Krokodila“. XX vek*) was part of a festival of contemporary Russian culture KULTURUS.
- 30 October **Petr Nikolajevich Savitskii: A Scientist, Thinker, Man**  
 An international round table held on the occasion of the 120th birthday anniversary of P. N. Savitskii (1895–1968).
- 13 November – 5 December  
**Imprints of Dharma**  
 An exhibition of frottages from stone steles with Buddhist texts from the Ningzhai Studio’s collection.
- 19 November 2015 – 3 January 2016  
**The Depiction of Biblical Stories in Renaissance Manuscripts**  
 The exhibition featured selected music manuscripts, hymn books and graduals from the collections of the NL CR.
- 24 November  
**Methodology for Evaluation of Air-Quality Effect on Library and Archive Collections**  
 A workshop and presentation of the results of the NAKI project.
- 26 November  
**Nabokov. The Prague Branch**  
 A conference organized by the civic association Ruská tradice /Russian Tradition/ and the Slavonic Library.
- 7 December **A Day in the Klementinum**  
 The public could visit a Christmas fair, a concert of children’s choirs in the Mirror Chapel, guided tours of the reconstructed wing along Křižovnická Street and the exhibition *The Depiction of Biblical Stories in Renaissance Manuscripts*.
- 15 December 2015 – 14 January 2016  
**Famous Buildings of the Lurago Family in Bohemia**  
 The exhibition provided virtual wandering around buildings of Carlo and Anselmo Luragos in individual Czech regions.
- 17 – 18 December  
**From Theory to Practice II – Adhering and Consolidation of Plastic Materials in Modern Library Collections**  
 The workshop organized in the building of the National Library in Hostivař was led by experts Thea van Oosten a Anna Lagany.
- 18 December  
**An Unconventional NL staff Christmas party** associated with guided tours of the Baroque Hall, the Astronomical Tower, the Mirror Chapel and the wing along Křižovnická Street.

## Exhibitions, in which the NL participated by loans from its collections

**Oskar Kokoška a Praha** [Kokoschka and Prague] (National Gallery in Prague, Trade Fair Palace)

**Umělci a proroci. Tajemná cesta k modernímu umění 1872–1972** [Artists and Prophets. Schiele, Hundertwasser, Kupka, Beuys and Others] (National Gallery in Prague, Trade Fair Palace)

**Milníky husitství – Jan Žižka z Trocnova / Život, působení a historický význam husitského vojévůdce** [The Milestones of Hussitism – Jan Zizka of Trocnov / The Life, Influence and Historical Significance of the Hussite Leader] (Jihočeské muzeum v Českých Budějovicích)

**Praha Husova a husitská 1415–2015** [John Huss and the Hussites in Prague] (Prague City Archives and the City of Prague Museum, Clam-Gallas Palace)

**Dalimilova kronika** [The Chronicle of Dalimil] (EXPO Milano 2015)

**Grammatyka Czeska** (National Museum)

**Monster. Bilderwelten zwischen Grauen und Komik** (Nürnberg)

**Magičtí Lucemburkové** [The Magical House of Luxembourg] (Silesian Museum)

**Žezlo a koruna** [The Sceptre and the Crown: Charles IV and the Bohemian Royal Coronations] (Prague Castle)

**Bez hranic. Umění v Krušnohoří, 1250–1550** [Without Borders. Art in the Ore Mountains between the Gothic and the Renaissance] (National Gallery in Prague, Waldstein Riding School)

**Kunst und Glaube – Ottheinrichs Prachtbibel und die Schlosskapelle Neuburg** (Schloss Neuburg an der Donau)

**Císař Karel IV. (1316–2016)** [Emperor Charles IV 1316–2016] (National Gallery in Prague, Waldstein Riding School)

**Komu asi patřila? Knihy a jejich lidé – sběratelé i nepřátelé** (National Museum, Czech Museum of Music)

## Publication Activities

### I Professional Texts from the Areas of Library Science, Information Science and Book Culture

a) Proceedings, Handbooks, Studies, Bibliographies, Promotional Materials

**Bibliografický popis elektronických publikací v síti knihoven ČR**  
**[Bibliographic Description of Electronic Publications in the Library Network of the Czech Republic]**

ISBN 978-80-7050-657-8 (online: pdf)

**České děti jako čtenáři v roce 2013**  
**[Czech Children as Readers in the Year 2013]**

ISBN 978-80-7491-492-8 (Host. Brno)

ISBN 978-80-7050-653-0 (National Library of the CR. Prague)

**Elektronické publikace v Národní knihovně ČR**  
**[Electronic Publications in the National Library of the CR]**

ISBN 978-80-7050-654-7 (online: pdf)

ISBN 978-80-7050-655-4 (online: epub)

**Interoperabilita v paměťových institucích. INTERPI**  
**[Interoperability in Memory Institutions. INTERPI]**

ISBN 978-80-7050-658-5

ISBN 978-80-7050-661-5 (online: pdf)

**Facilitating Access to Cultural Heritage Content in Czechia. INTERMI Project**

ISBN 978-80-7050-659-2

ISBN 978-80-7050-662-2 (online: pdf)

**Jan Hus. Problém přijmout svobodu**  
**[Jan Hus. A Problem to Accept Freedom]**

ISBN 978-80-7050-649-3

**Klementinské pověsti**  
**[The Klementinum Tales]**

ISBN 978-80-7050-651-6

**Národní knihovna České republiky. Výroční zpráva 2014**  
**[National Library of the Czech Republic. Annual Report 2014]**

ISBN 978-80-7050-650-9

ISSN 1804-8625 (online: pdf)

**Sborník workshopu projektu NAKI (DF11P01OVV020) „Metodika hodnocení vlivu kvality ovzduší na knihovní a archivní fondy“. 24. listopad 2015, Praha**  
**[Proceedings of the Workshop of the NACI Project (DF11P01OVV020) “Methodology for Impact Assessment of Air Quality on Library and Archive Collections”. 24th of November 2015, Prague]**

ISBN 978-80-7050-660-8

ISBN 978-80-7050-663-9 (online: pdf)

**Standard pro dobrou knihovnu. Metodický pokyn Ministerstva kultury k vymezení standardu veřejných knihovnických a informačních služeb poskytovaných knihovnami zřizovanými a/nebo provozovanými obcemi a kraji na území České republiky**  
**[The Standard for a Good Library. The Methodological Guidelines of the Ministry of Culture for the Definition of the Standard of Public Library and Information Services Provided by Libraries Founded and/or Run by the Municipalities and Regions in the Czech Republic]**  
ISBN 978-80-7050-652-3

b) Periodicals

**Knihovna**  
**[Library]**  
Year 26, Nos. 1, 2 (2015)  
ISSN 1801-3252  
ISSN 1802-8772 (online)

**Knihovna plus**  
**[Library Plus]**  
Year 11, Nos. 1, 2 (2015)  
ISSN 1801-5948 (online)

**O. K. – Ohlášené knihy**  
**[O. K. – Reported Books]**  
Year 23, Nos. 1–24 (2015)  
ISSN 1801-6391 (online)

**Přirůstky odborné literatury ve fondu Slovanské knihovny**  
**[Acquisitions of Specialised Publications in the Holdings of the Slavonic Library]**  
Year 25 (41), Nos. 1–4 (2015)  
ISSN 1802-3797 (online)

II Publications of the Slavonic Library

**Česká Alexandrovka. Vzpomínky na život české vystěhovalecké komunity na Rusi**  
**[Ceska Alexandrovka. Reminiscences about Life in the Czech Emigrant Community in Russia]**  
ISBN 978-80-7050-644-8

**Na trnitých cestách života a tvorby. Sborník příspěvků ze symposia pořádaného u příležitosti životního jubilea Františka Kautmana (Praha, 25. ledna 2012, Národní knihovna České republiky)**  
**[On the Thorny Paths of Life and Work. Proceedings of the Symposium Organized on the Occasion of a Life Anniversary of František Kautman (Praha, 25 January, 2012, National Library of the Czech Republic)]**  
ISBN 978-80-7050-645-5

**Rudolf Hůlka: Fotografie Romov z Podkarpatskej Rusi zo začiatku 20. storočia**  
**[Rudolf Hůlka: Photographs of the Roma from the Subcarpathian Rus from the Beginning of the 20<sup>th</sup> Century]**  
ISBN 978-80-7050-648-6 (National Library of the CR. Prague)  
ISBN 978-80-971932-8-7 (Regional Centre for Roma Issues, Prešov)

III Others

**Meziválečná přestavba Klementina**

**[Reconstruction of the Klementinum between World Wars]**

ISBN 978-80-7050-647-9

**Biblické příběhy na renesančních iluminacích**

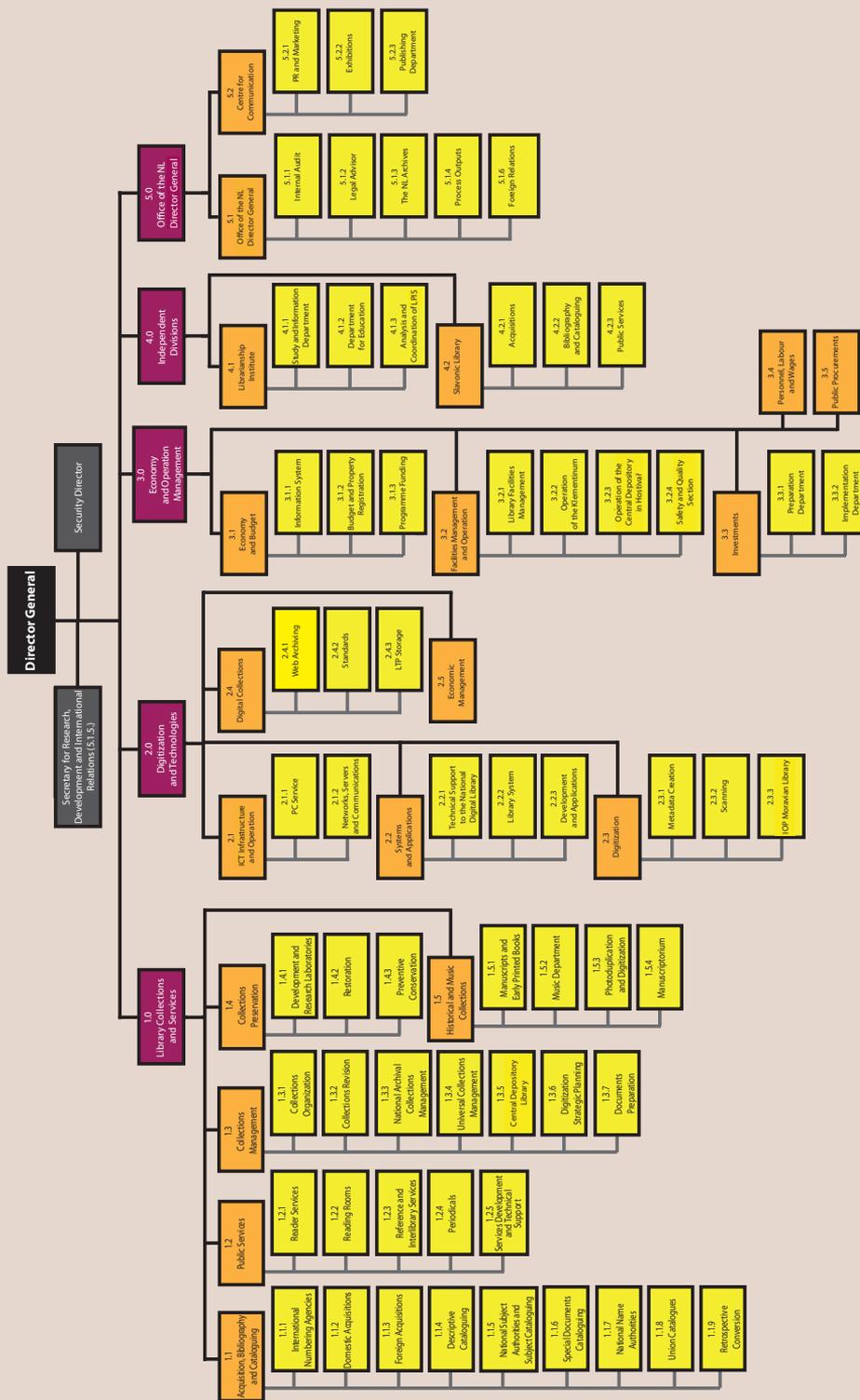
**[The Depiction of Biblical Stories in Renaissance Manuscripts]**

ISBN 978-80-7050-656-1

**A Desk Calendar for 2016**

**Czech Libraries 2016 – Information Sources**

# Organisational Structure as of 31st December 2015



## Abbreviations

ALEPH	Automated Library Expandable Program of Hebrew University
ARC	ARChive file format
a. s.	Public limited company (Plc) or joint-stock company
AS CR, v. v. i.	Academy of Sciences of the Czech Republic, a public research institution
AYL	Ask Your Library
CASLIN	Czech and Slovak Library Information Network
CENDARI	Collaborative European Digital Archive Infrastructure
CNB	Czech National Bibliography
CODEG	COmponent DEscription Generator
CZK	Czech Crowns
DaT	Digitalizace a technologie / Digital Collection and Technologies
DIFFER	Determinator of Image File Format propERTies
EDS	EBSCO Discovery Service
EEA	European Economic Area
EMBARK	Enhance Manuscriptorium through Balkan Recovered Knowledge
EOD	eBooks on Demand
ERDF	European Regional Development Fund
ILL	Interlibrary Loan
IMPACT	Improving Access to Text
IOP	Integrated Operational Programme
KIV	Library and Information Science Subject Gateway
KNAV	Knihovna Akademie věd / Library of the Academy of Sciences of the CR
l. i.	Library item
LiWA	Living Web Archives
LPIS	Library Public Information Services
LTP	Long-Term Preservation
MARC 21	Machine Readable Cataloguing
METS	Metadata Encoding and Transmission Standard, a format XML
MoC	Ministry of Culture of the Czech Republic
MDT – MRF	Mezinárodní desetinné třídění / Universal Decimal Classification – Master Reference File
MUS	Musica Subject Gateway – portal
MZK	Moravská zemská knihovna / Moravian Library
NACI	National Cultural Identity / program Národní kulturní identita (NAKI)
NDL	National Digital Library project / Národní digitální knihovna
NKC	Electronic Catalogue of the National Library of the CR – database
NL CR	National Library of the Czech Republic
NLK	Národní lékařská knihovna / National Medical Library
NTK	Národní technická knihovna / National Library of Technology
OCLC	Online Computer Library Center
OCR	Optical Character Recognition
OOKF	Odbor ochrany knihovnických fondů / Collections Preservation Division
ORST	Oddělení rukopisů a starých tisků / Manuscripts and Early Printed Books Department
RDA	Resource Description and Access
RIGTC	Research Institute of Geodesy, Topography and Cartography, v. v. i.
RISM	Répertoire International des Sources Musicales
SDRUK	Sdružení knihoven ČR / The Czech Republic Library Association
SKIP	Svaz knihovníků a informačních pracovníků / Association of Library and Information Professionals of the CR
SL	Slovanská knihovna / Slavonic Library
SQL	Structured Query Language
s. r. o.	Ltd. (Am. = limited corporation)
TEI	Text Encoding Initiative
TEL	The European Library
UIG	Uniform Information Gateway
ULC	Universal Library Collection
URN:NB	Uniform Resource Name
VKOL	Vědecká knihovna v Olomouci / Research Library in Olomouc
VÚGTK	Výzkumný ústav geodetický, topografický a kartografický / Research Institute of Geodesy, Topography and Cartography
WARC	Web ARChive file format

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## Donation Account of the National Library of the CR

123-85535011/0100

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Founding Entity of the National Library of the Czech Republic



Media Partners of the National Library of the Czech Republic



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Annual Report 2015**

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