Webarchiv

Czech web archive of National Library of the Czech Republic

Curatorial approaches, topic collections and cooperation with the research communities

We are Webarchiv

the digital library, which preserves web sites for future generations.

Without continuous web content preserving, the significant part of national heritage would be lost.

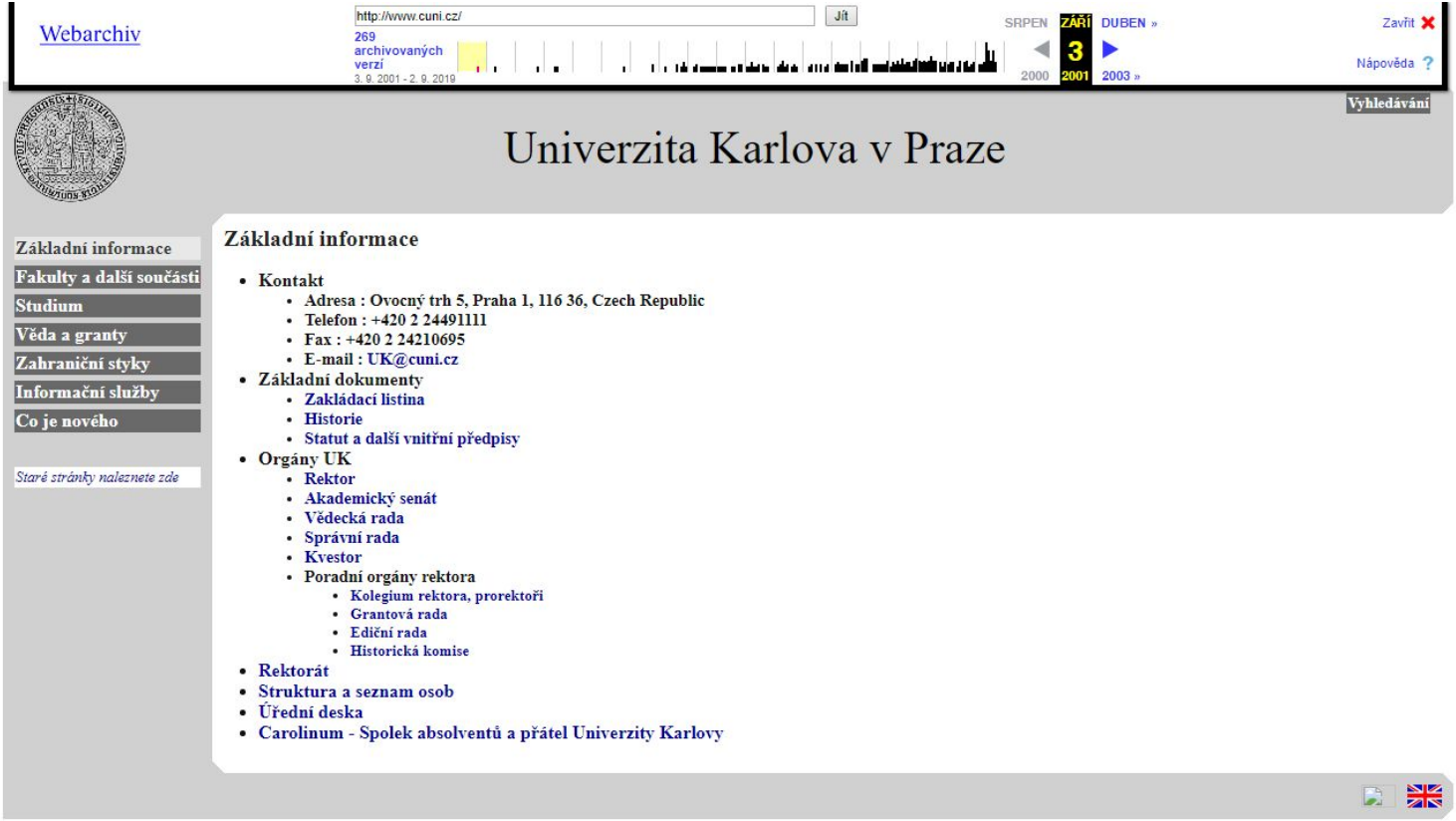
Acquisition of web resources – curatorial approaches

- What to archive?
- What will be important in the future?
- User community?
- How to build archive content?

word cloud of all domains in Webarchiv

History

- 2000 – project of National Library of the Czech Republic, Moravian Library and Masaryk University
- 2001 – first archived website
- 2005 – regular harvesting of content
- 2007 – joining the IIPC – International Internet Preservation Consortium



one of our oldest archival copy - website of Charles University

CZECH LIBRARIES
IN FLOODS

? Ask your library

About the National Library || Professional Activities || Publishing Activities || What's News? ||
Slavonic Library || Info || Services || Collections ||
Catalogues and Databases || Reference Centre
Library and Publisher's Matters

Czech version

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archive copy of National Library of the Czech Republic website

Today

- 385 TB archived data
- 9,5 billion digital objects (text, images, audio and video objects, software, scripts, etc.)
- 3,5 people in the department + 1 IT guy

How do we archive?

We perform a complete archivation
of the „entire“ Czech web.

The selected websites
are harvested contemporaneously.

Unfortunatelly,

not entire data are available online.

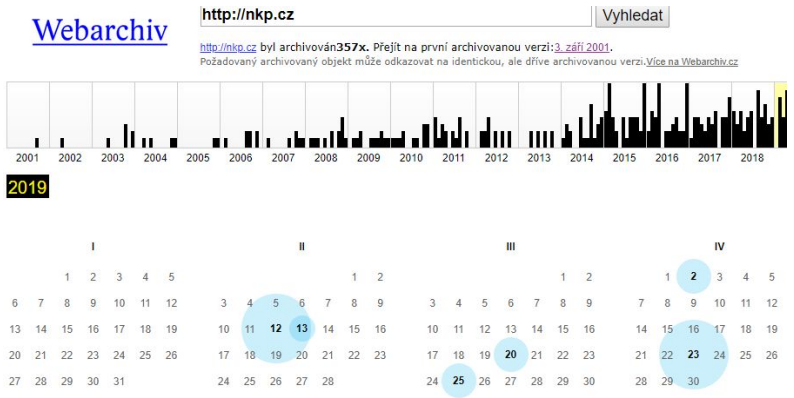
This is caused by current legal state of copyright.
The entire Webarchiv data are accessible only
in the library building.

Legal Issues

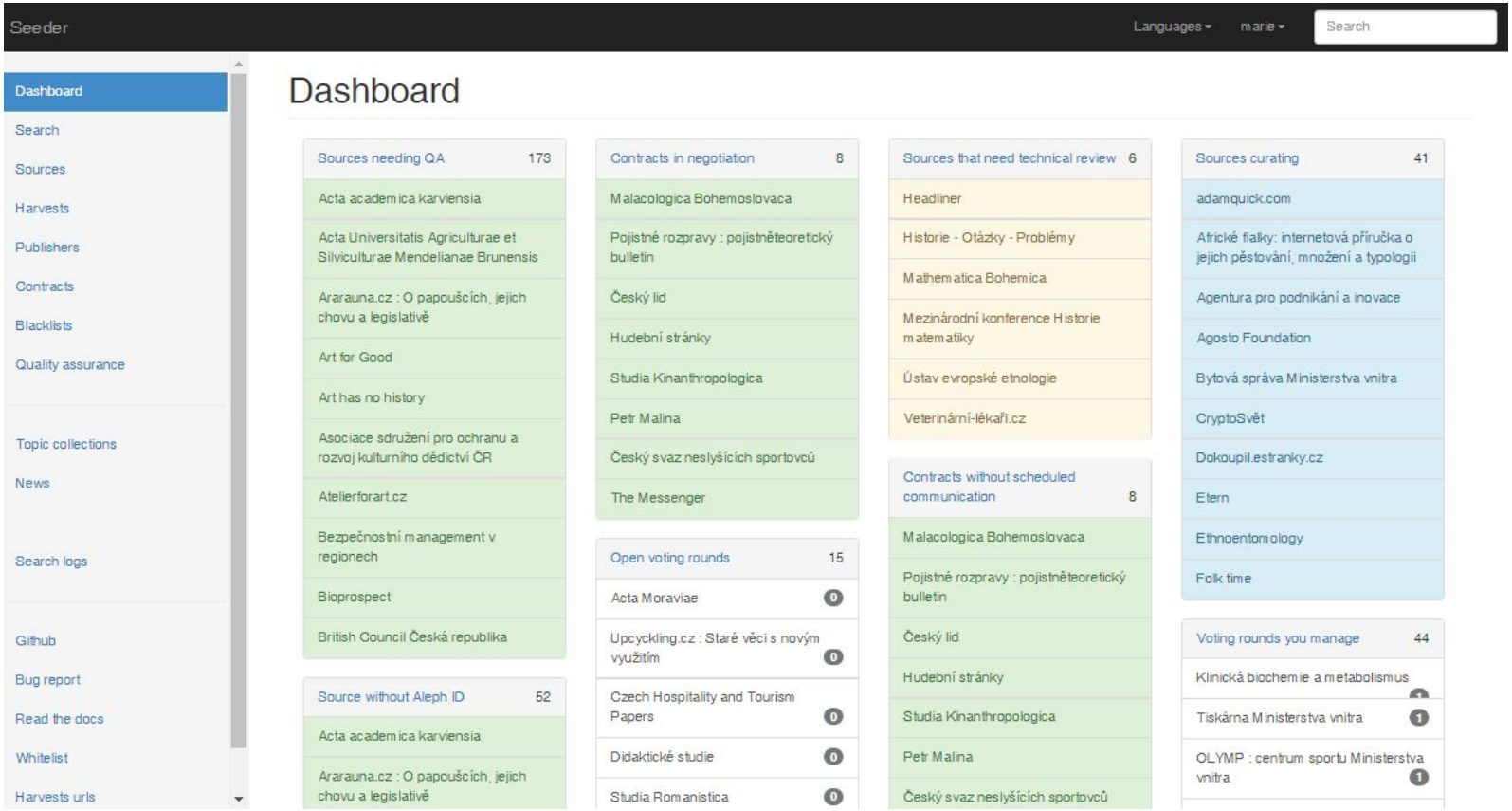
- **Copyright act** – Library Licence allows library to make a reproduction of a work for its own archiving and conservation purposes
- **Legal deposit act** – does not cover born digital documents
- **Online access** – based on contract with publishers or on Creative Commons licence

Software

- crawler: Heritrix 3.4
- access: Open Wayback 2.3.1



- curators: Seeder (developed in-house, available on github https://github.com/webarchivcz/)



Seeder – software for managing electronic resources, websites and harvests

Collection policy

- Comprehensive harvests
- Selective harvests
- Topic collections

Comprehensive harvests

- contract with czech domain provider CZ.NIC
- once or twice a year crawl of the whole .cz domain
- accessible only in the library
- 1,4 millions of second order domains / domain.cz
- maximum of 5000 harvested files per site

"Archived versions of this page are only available from the Reference Centre of the National Library of the Czech Republic."

Selective harvests

- selective approach
  - bohemical character (territory, language, authorship, topic/content), not only on czech domain
  - resources with historical, scientific or cultural value
- curated resources
- online access – contract or Creative Commons
  - more than 5000 archived websites with online access
- crawled periodically
- maximum of 15 000 harvested files per site

Browse the Webarchiv by subject

List of a contracted websites by classification system:

Vše 5172 / Agriculture 176 / Anthropology 164 / Art and architecture 349 / Beletry 29 /
Biological sciences 224 / Business and economics 314 / Computer sciences 147 / Education 222 /
Engineering and technology 280 / Geography and earth sciences 408 / History and auxiliary sciences 293 /
Chemistry 49 / Children's literature 1 / Language, linguistics and literature 213 / Law 147 /
Library science, generalities and references 294 / Mathematics 45 / Medicine 284 / Music 156 /
Performing arts 167 / Philosophy and religion 238 / Physical education and recreation 213 /
Physical sciences 88 / Political science 338 / Psychology 83 / Sociology 315

Art and architecture / Arts

Vše 349 / Architecture 55 / Arts 72 / Civic and landscape art 21 / Drawing and decorative arts 15 /
Fine and decorative arts 98 / Graphic arts, printmaking and prints 11 / Painting and paintings 13 /
Photography and photographs 45 / Plastic art - sculpture 17

Display: visual, text

abcd : art brut


Adolf Wölfli : stvořitel universa

Arte-fakt : sdružení pro ochranu památek


Art for Good


Artforum : osobnosti v síti

Artikl


Arts Lexikon : on-line


Asociace sdružení pro

Curators – workflow

- selecting and evaluating resources
- contracting with publishers
- cataloging (RDA rules, conspectus method)
- access and quality assurance

Topic collections

collections of resources related to certain event or topic

deeper capture of the topic in electronic resources

current events – harvesting usually in several stages: before, during and after the event

- planned: elections, anniversaries
- unexpected: floods, terrorist attacks

long-term collections – continuous harvesting

- Creative Commons, Periodical publications, Charles University

collaboration with IIPC *(*Olympics and Paralympics, Climate Change, Artificial Intelligence)

Webarchiv preserves Czech web

For basic informations about Webarchiv visit our introduction

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Display: visual, text

Topic collections

Topic collections are collections of resources which are related to certain event or topic.

Floods 2013

In 2013 a large part of the Czech Republic hit a flood. In thematic harvest, we tried to capture feedback in space of Czech internet, specialized websites, responses of authorities, ...

Olympic Prague

On the basis of the resolution of 22 March 2007, the Prague City Hall decided to apply for the Olympic Games in 2016. The information about this decision, its response ...

Charles IV. - 700th anniversary

On the occasion of the 700th anniversary of the birth of Charles IV., we prepared a thematic collection of web sources, that currently relate from various perspectives to jubilee of ...

The National Archives - Public Authorities

The National Archives, by law, supervises the removal of documents and the scrutiny of the records service of a number of organizations. The topic collection includes websites of public authorities ...

Climate Change

Climate change is one of the greatest challenges of today. Finding solutions at scientific and political levels is accompanied by intense societal debate. The collection, which was created in collaboration ...

European Parliament Election 2019

On 24 and 25 May, the Czech Republic elects its representatives to the European Parliament. The topic collection includes websites of political parties, their leaders and responses to the political ...

New Building of the National technical library

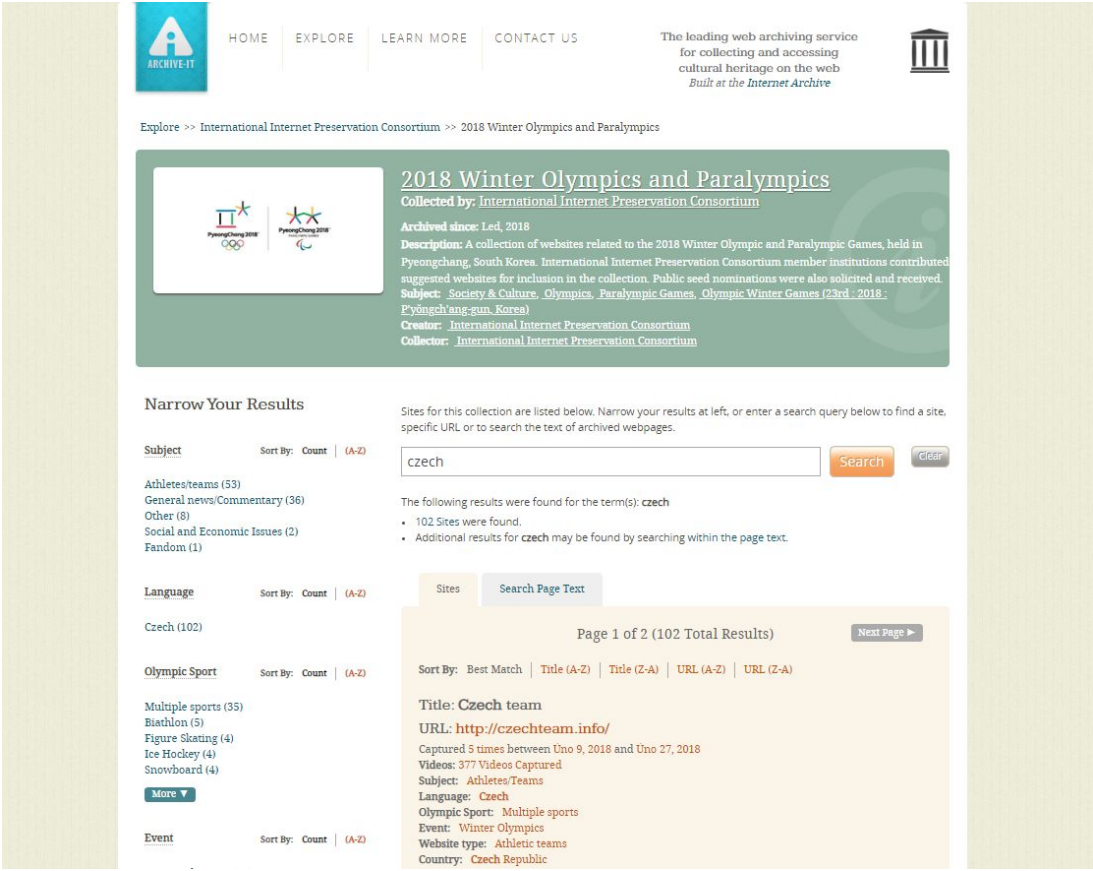
In 2006 construction works have been started in order to build up new building of the National technical library located on Fleming square (Dejvice) next to the Czech Technical University ...

Václav Havel

The topic harvest dedicated to the death of the first Czechoslovak and Czech president Václav Havel, who died on December 18, 2011, took place in several rounds at the turn ...

European Parliament Election 2014

The European Parliament Election in May 2014 showed record low turnout of Czech voters. The thematic collection maps the election campaigns of political parties and their leaders, results and the ...



IIPC - collaborative collection 2018 Winter Olympics and Paralympics

Challenges

- make the archive as accessible to the public as possible (legislative restrictions)
- collection policy – collection profiling
- full-text search
- development of tools for working with archived data, big data and metadata
- cooperation with the research communities

Current cooperation with the researchers / institutions

- methodological support for building own archives

  The National Archives, Czech Academy of Sciences, Office for supervision of economic affairs of political parties and political movements

- topic collections

  The National Archives – Public Authorities

- archiving specific resources

  Czech Language Institute of the Czech Academy of Sciences (periodical publications)

The National Archives - Public Authorities

Keywords of harvest:
státní správa, Národní archiv, veřejná správa, ministerstva

The National Archives, by law, supervises the removal of documents and the scrutiny of the records service of a number of organizations. The topic collection includes websites of public authorities including ministries, central government offices, legal entities established by law, and organizational units of the state, including contributory organizations established by them, as well as top judicial institutions.

Agentura ochrany přírody a krajiny ČR

www.ochranaprirody.cz [current]

Antidopingový výbor ČR

antidoping.cz [current]

Asociace neprofesionálních komorních a symfonických těles : ANKST

ankst.cz [current]

Celní správa České republiky

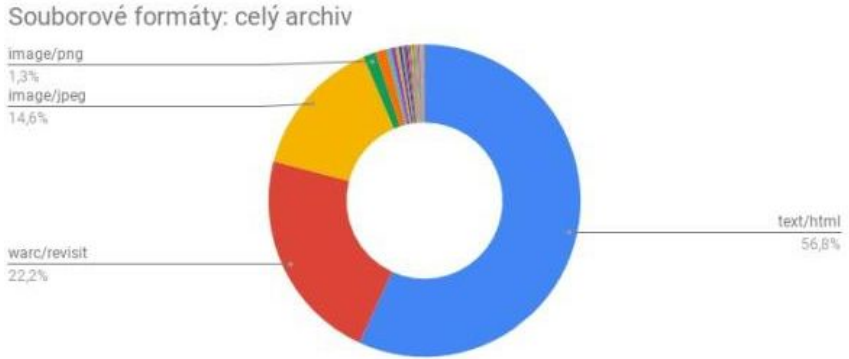
www.cs.mfcr.cz/cmsgrc/ [current]

Development of centralized interface for extracting big data from web archives – research project

- Webarchiv – National Library of the Czech Republic
- University of West Bohemia – Faculty of Applied Sciences, The Department of Cybernetics
- Institute of Sociology of the Czech Academy of Sciences

First steps:

- legislative analysis
- index analysis
- analysis of provenance, authenticity and technical parameters of archive data
- workshop for researchers



analysis of file formats in Webarchiv

project accepted into the program of the Ministry of Culture which helps to support applied research and experimental development of national and cultural identity (NAKI)

Future

The present day we work on a creating the full-text search. We recognize the importance of understanding of the digital objects and their historical meaning.

Webarchiv expects opening our data to an analytic data exploration and connection with other web archiving initiatives.

Thank you for your attention

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