PORTICO AND LOCKSS EVALUATION

Consortium of Swiss Academic Libraries

ICOLC Europe Meeting 2014, Pascalia Boutsiouci, Lisbon 22 October 2014
1. Overview and preparatory projects at ETH Zurich

2. Approach regarding Portico and LOCKSS

3. Comparison: Portico vs. LOCKSS
   > strengths and weaknesses

4. Experiences made by ETH-Bibliothek Zurich and CSAL

5. Conclusion
1. HIGHER EDUCATION IN SWITZERLAND

- **Official Higher Education Institutions**
  - 10 Cantonal Universities
    - German- and French-speaking, one Italian-speaking
  - Two federal Institutes of Technology
    - ETH Zürich (ETHZ) - Swiss Federal Institute of Technology
    - Ecole Polytechnique Fédérale de Lausanne (EPFL) - Swiss Federal Institute of Technology Lausanne
  - 7 Universities of Applied Sciences

- **Switzerland lies in the heart of Europe**
- **8.2 million people**
- **26 cantons**
- **Four official languages:** German (66%), French (23%), Italian (9%), Rheto-Romanic (1%)
1. CONSORTIUM OF SWISS ACADEMIC LIBRARIES

Since 2000
- Start-up financing of Swiss Confederation (€ 11 mio.)

Since 2006
- 100% financed by the members
  - Central office: 4 FTE
  - Acquisition of licenses: 2013 about € 22 mio.

Members 2014
- 60 libraries
  - All Universities and Universities of Applied Sciences
  - Libraries from non-for-profit institutions
1. PREPARATORY PROJECTS SINCE 2005

- **Project «E-Archiving»** (2005-2007, CSAL)
  - Challenges regarding digital long-term preservation
  - Accessibility of scientific and academic information

  - Development of a concept for reliable central long-term preservation of digital primary and secondary data
  - Suggestions for developing national standards and guidelines on digital long-term preservation

- **Project «E-Depot»** (2008-2012, CSAL), final report
  - Real test with Digitool and Elsevier data → result:
    - Evaluation of Portico, LOCKSS, CLOCKSS
      - Portico more expensive than LOCKSS / CLOCKSS, but broader coverage
      - Many of the «big» publishers participate in Portico
2. APPROACH REGARDING PORTICO AND LOCKSS

- **2012**: survey among Consortium members: 4 Portico / 4 LOCKSS
- **2013**: negotiations with Portico and LOCKSS
- **multi-year-agreements 2013-2016**
  - **06/2013**: agreement with Portico
  - **08/2013**: agreement with LOCKSS
- **2014**: 6 libraries participating in Portico / 4 in LOCKSS
- **2015**: Portico-Consortium joined by German library (Berlin)
3. COMPARISON: PORTICO VS. LOCKSS

- **Holdings comparison** offered by Portico (between 51-58% of holdings in Swiss libraries preserved in Portico)

- Members can actively submit input as to which **publishers should be approached** by Portico

- Portico is responsible for the **archiving-process (migration)**

- **Price based on LME** (Library Materials Expenditure)

- ➔ 6 CSAL-members

- **Agreement for National Licences** will be considered

- **Global or Private LOCKSS Network**

- Switzerland: Member of **Global LOCKSS Network** (GLN)

- **LOCKSS-Box** installed on local server (min. 6 TB) ➔ Know-How

- **Crawler** adds content ➔ What is actually available, what is only planned so far?

- ➔ 4 CSAL-members

- **Private LOCKSS Network** (PLN) being considered with National Licences
3. COMPARISON: PORTICO VS. LOCKSS II

**PORTICO**

- **Negotiations** with Portico easy and quick
- **Model agreement** for participation
- **Fast** reaction
- **Hardly any expenditure** material- or personell-wise, however slightly more expensive than LOCKSS, but good consortia discounts

  ➔ and at the end even cheaper than LOCKSS

**LOCKSS**

- **Negotiations** with LOCKSS slightly slower
- **No existing model contract** from LOCKSS side. CSAL drew an agreement which was rejected by LOCKSS ➔ **letter of intent**
- **Investment in manpower** (technician & librarian):
  - Installation of box and maintenance/service
  - Loading and updating licenced journals takes a lot of time
Between 51-58% of holdings in Swiss libraries preserved in Portico.

<table>
<thead>
<tr>
<th>Institution</th>
<th># of Library Entries</th>
<th>Unique Library Entries</th>
<th># of Library titles in Portico</th>
<th># of library titles in Portico PCA</th>
<th>% of library holdings in Portico</th>
<th>% of library holdings in Portico PCA</th>
</tr>
</thead>
<tbody>
<tr>
<td>ETH Zürich</td>
<td>15,573</td>
<td>15,573</td>
<td>8,836</td>
<td>8,519</td>
<td>56%</td>
<td>96%</td>
</tr>
<tr>
<td>Universität Basel</td>
<td>48,978</td>
<td>20,368</td>
<td>10,546</td>
<td>9,390</td>
<td>51%</td>
<td>89%</td>
</tr>
<tr>
<td>University of St. Gallen</td>
<td>27,995</td>
<td>13,176</td>
<td>7,717</td>
<td>7,482</td>
<td>58%</td>
<td>97%</td>
</tr>
<tr>
<td>Universität Zürich</td>
<td>18,487</td>
<td>18,472</td>
<td>10,798</td>
<td>9,754</td>
<td>58%</td>
<td>90%</td>
</tr>
</tbody>
</table>

16,484 titles currently being preserved by Portico.
CONTENT PRESERVED IN PORTICO WITH PCA RIGHTS

E-journals:
- Without PCA: 12%
- With PCA: 88%

E-books:
- Without PCA: 13%
- With PCA: 87%
More than 900 libraries in 20 countries / more than 250 European institutions.
4. EXPERIENCES MADE BY ETH-LIBRARY

Why invest in digital preservation?

- Content is increasingly digital
- Local hosting is unrealistic for many libraries
- Fast technical development
- Libraries can’t depend on publishers alone
  - Recognize the need!

Steps taken to internally act on decision

- Internal evaluation: holdings comparison
- Preliminary investigation (participating publishers, conditions)
- Groundwork by CSAL (negotiations with Portico / LOCKSS, work out conditions in contract)

Experiences with Portico / LOCKSS

- No trigger events for licenced content so far
- Participation in one of the following options as basic requirement for ETH-Bibliothek when negotiating new licences: Portico, LOCKSS, Local Hosting
5. CONCLUSION AND OPEN QUESTIONS

CSAL: **Contracts with both** Portico and LOCKSS for better (broader) coverage of content

How to **motivate libraries** (CSAL-members) to join Portico / LOCKSS? → long-term benefits!

**Data security:** Is there a mirror server in Europe?

Will **one option prevail** over the other or will both be able to catch on in the future?
THANK YOU

Pascalia Boutisouci, pascalia.boutsiouci@library.ethz.ch