Role of National and University Library of Slovenia in a multinational research project (IMPACT)

A CASE STUDY

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1. Introduction

Case study:

➤ Is participation of a national libraries in international research projects beneficial to the parent institutions and why?
➤ Could digitisation issues arising from mass digitisation practices be solved on an institutional/national level or the collaboration of the institutions and countries is needed to resolve them?

A short overview:

➤ the IMPACT project
➤ NUK library activities and users

A comparative study:

➤ DRIVER II (http://www.driver-repository.eu/)
➤ Europeana (http://www.europeana.eu/portal/aboutus.html)
➤ EOD (http://books2ebooks.eu/)
2. The IMPACT project framework

- 7th Framework Programme of the EC (FP7)
- Coordinated by the Koninklijke Bibliotheek, Netherlands
- Duration **4 years** (2008 – 2011)
- **4 subprojects** (Operational Context, Text Recognition, Enhancement & Enrichment, and Capacity Building)
- **2 phases**
- Now:
  - **26 institutions from 13 EU countries**
  - 12 libraries
  - 12 research institutes and universities
  - 2 commercial companies
3. The purpose of the IMPACT project:

1. Improve accessibility to historical texts by providing quality OCR results
   - new OCR tools
   - support applications
2. Disseminate best practice solutions in mass digitisation
   - standards
   - digitisation procedures
3. Establishment of Centre of Competence
4. Project research focus:

- Errors originating from language characteristics
- Errors originating from print properties
- Errors originating from digitisation procedures

5. Project results:

- Lexicons for historical languages
- 22 new programs
IMPACT is supported by the European Community under the FP7 ICT Work Programme. The project is coordinated by the National Library of the Netherlands.

6. Libraries in the project
7. **Library tasks:**

- project management, coordination and networking
- provision of material for research
- demonstration, evaluation and testing of project results (programs)
- dissemination activities

8. **NUK – second phase demonstrator**

- content
- production of primary research corpus (GT)
- demonstration
- end-users representatives
- networking
- dissemination activities
9. NUK – library in modern information society

- More than 200,000 visitors per year
- More than 1 million of distant users

Library members

- 1,80% school children
- 71,30% students
- 3,10% university employees
- 21,50% general public
- 2,30% foreign citizens
10. Digital Library of Slovenia – dLib.si

USERS:
More than 2.8 million visits on the portal.

Users of the dLib.si by countries

- 93% Slovenia
- 1.40% Croatia
- 1.10% Serbia
- 0.40% BIH
- 1.30% Germany
- 0.80% Austria
- 0.80% Italy
- 0.30% France
- 0.30% Poland
- 0.60% USA
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11. dLib.si – content

- More than 4 million scans
- Digital collections developed according to the users' needs
- Digitisation policies
- NUK's strategic goals
12. Slovene historical documents

PDF file and HTML preview
13. Documents published before 1850

Example of a bad OCR in a HTML preview
14. Solutions in EU projects

- Collaboration between specialists
- Problems adequately addressed
- Assuring all users qualitative, state-of-the-art internet supported and widely accessible resources and services, which are in the public interest.

15. NUK in different European digitization projects

- Since 2001
- Digital library development from 2004
- FP7
- CIP ICT PSP
- Culture Programme 2007-2013
16. DRIVER II vs. IMPACT

- FP7
- The same financing model
- Cooperation of libraries, universities, technical development partners
- Expert networks

**DRIVER II** = open network - infrastructure nodes
**IMPACT** = closed network - Centre of Competence for digitisation
17. Europeana vs. IMPACT

- eContentPlus/CIP ICT PSP
- Different financing model
- Standardisation

EUROPEANA = open network - regional, national content aggregation
18. EOD vs. IMPACT

- Culture Programme 2007 – 2013
- Different financing model
- Service
- EOD = growing network
- Active participation of end-users
19. Project participation benefits I

New knowledge and best practice solutions

- theoretical knowledge - real practical implementation
- indispensable experiences
- international standards
- interoperability
- new developments

LIBER 40th Annual Conference, Universitat Politècnica de Catalunya, Barcelona [29 June - 2 July]
19. Project participation benefits II

Cooperation and integration in international networks

- broader and objective approaches
- Team building
- Feeling of inclusion and belonging
- interoperability
- new developments

Cooperation and integration in national networks

Institut "Jožef Stefan", Ljubljana, Slovenija
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19. Project participation benefits III

Additional resources and financial support

- Development of services and collections
- Equipment and software licences
- New professionals
20. Project participation challenges

Sustainability issues
- implementation of results
- employment of the project staff

Funding difficulties
21. IMPACT solution: CoC (http://www.impact-project.eu/)

IMPACT will continue as a Centre of Competence after the project ends. CoC will be officially launched at the IMPACT final conference:

24 - 25 October 2011, the British Library, London

Join
→ Basic membership (free)
→ Premium membership (subscription fee)
→ Pay as you go (available to members and non-members)
## IMPACT

**Improving Access to Text**

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<thead>
<tr>
<th>Content holders</th>
<th>Researchers</th>
<th>Service Providers</th>
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<tbody>
<tr>
<td>Basic membership (free)</td>
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<tr>
<td>Network of content holders involved in digitisation</td>
<td>IMPACT Forum</td>
<td>Access to customers: community of content holders involved in digitisation</td>
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<td>IMPACT Forum</td>
<td>Research dataset</td>
<td>IMPACT Forum</td>
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<td>Learning resources toolkit</td>
<td>Language resources</td>
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<td>Online tutorials</td>
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<td>Language resources</td>
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<td>Helpdesk</td>
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<td>Research dataset</td>
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<td>IMPACT Framework: Technical architecture for Digitisation</td>
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<td>Language resources</td>
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<td>Premium membership (subscription fee)</td>
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<td>Membership of IMPACT Board</td>
<td>Committees and working groups</td>
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<td>Preferential rate for IMPACT training, workshops, conferences, consultancy and pay as you go services</td>
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<td>Evaluation service</td>
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<td>Full research dataset with ground truth</td>
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<td>Technical Support</td>
<td>Access to a set of IMPACT tools</td>
<td>Entry on the IMPACT Register of Service Providers</td>
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<td>Technology watch reports</td>
<td>Integration with IMPACT Framework</td>
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<td>Pay as you go (available to members and non-members)</td>
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<td>Conferences, workshops and briefings</td>
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<td>Sponsoring (parts of) IMPACT events or a booth at an event</td>
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<td>Training</td>
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<td>Digitisation consultancy</td>
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<td>On demand tool services</td>
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22. Conclusion

- Knowledge to overcome its own problems
- Providing good services and digital sources - easily accessible and searchable contents for end-users
- Lexicon of historical Slovene
- Full-text searches with modern words in more than 200,000 digitised historical documents

Issues arising from mass digitisation practices can be better solved at the international level.

Establishing new connections.

The economic and expert groundwork.
23. References

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Thank you!

Any questiones?

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