

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:

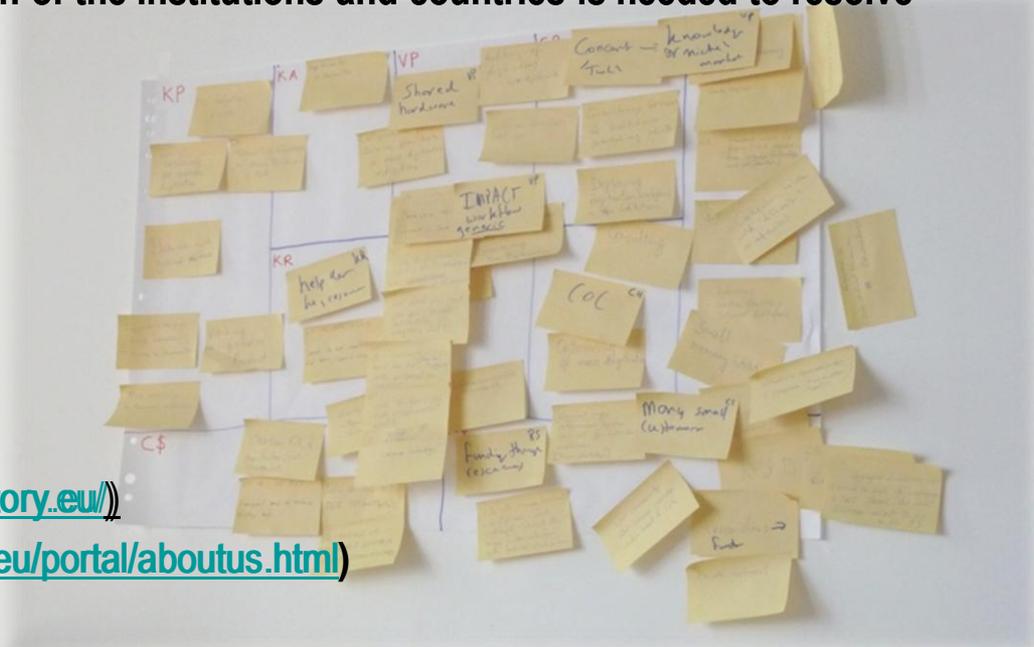
- Is participation of a national libraries in international research projects beneficial to the parent institutions and why?
- Could digitisation issues arising from mass digitisation practices be solved on an institutional / national level or the collaboration of the institutions and countries is needed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





IMPACT is supported by the European Community under the FP7 ICT Work Programme. The project is coordinated by the National Library of the Netherlands.

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

Centre of Competence in Text Digitisation



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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



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6. Libraries in the project



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7. Library tasks:

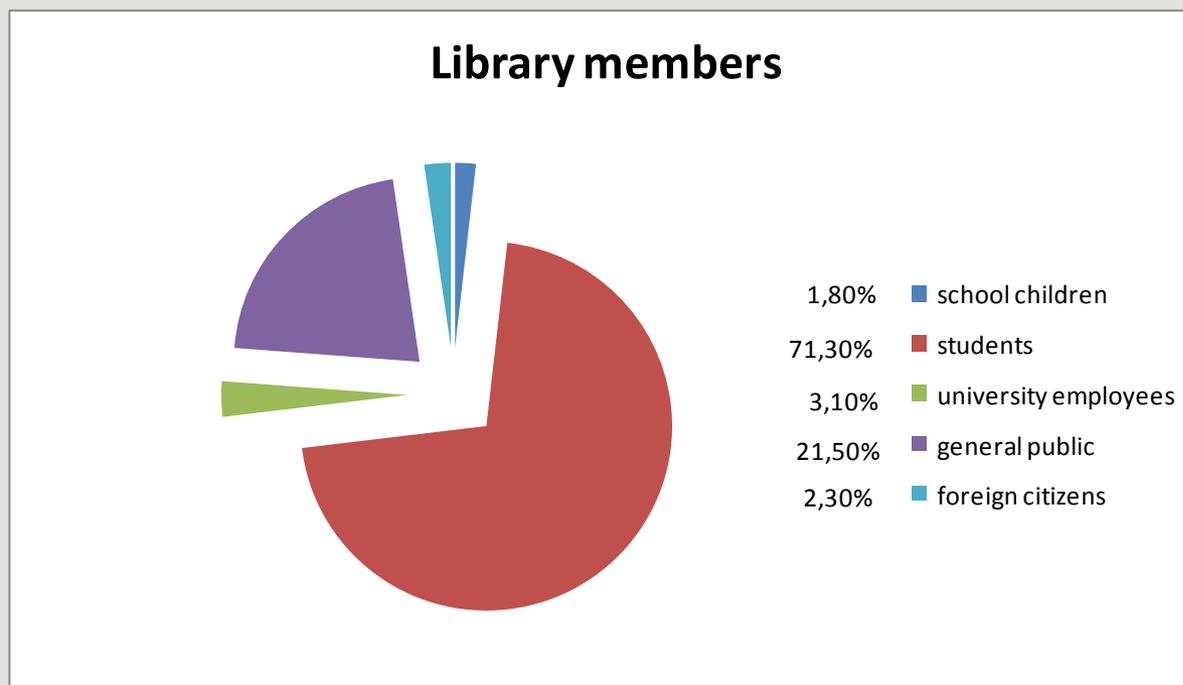
- project management, coordination and networking
- provision of material for research
- demonstration, evaluation and testing of project results (programs)
- dissemination activities

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

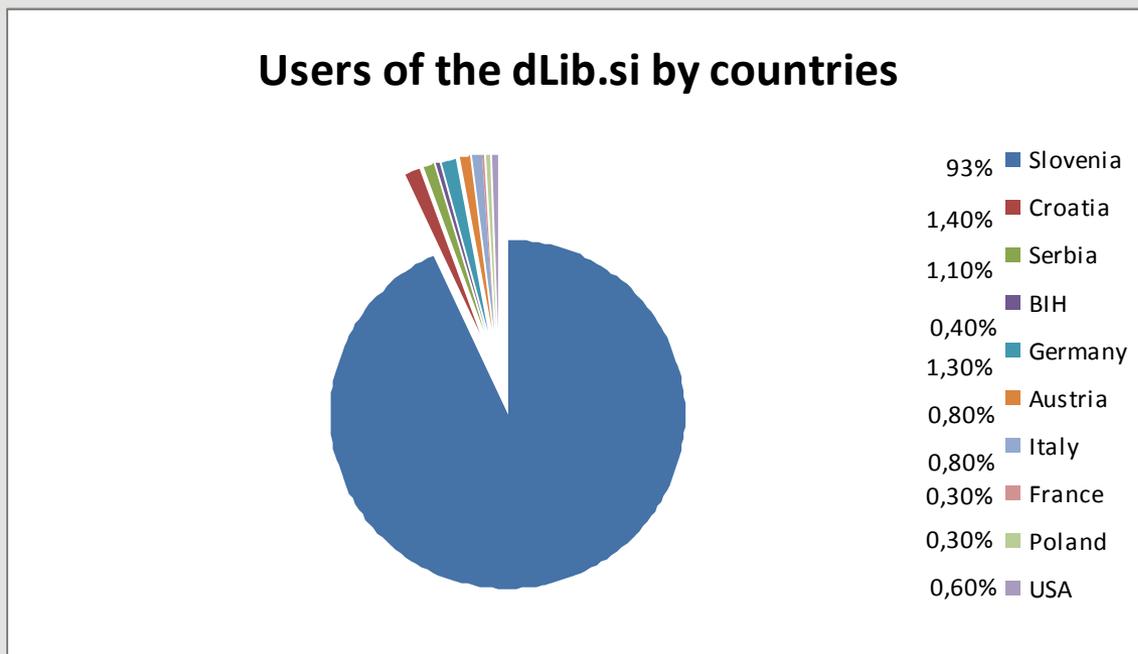
- More than 200.000 visitors per year
- More than 1 million of distant users



10. Digital Library of Slovenia – dLib.si

USERS:

More than 2.8 million visits on the portal.



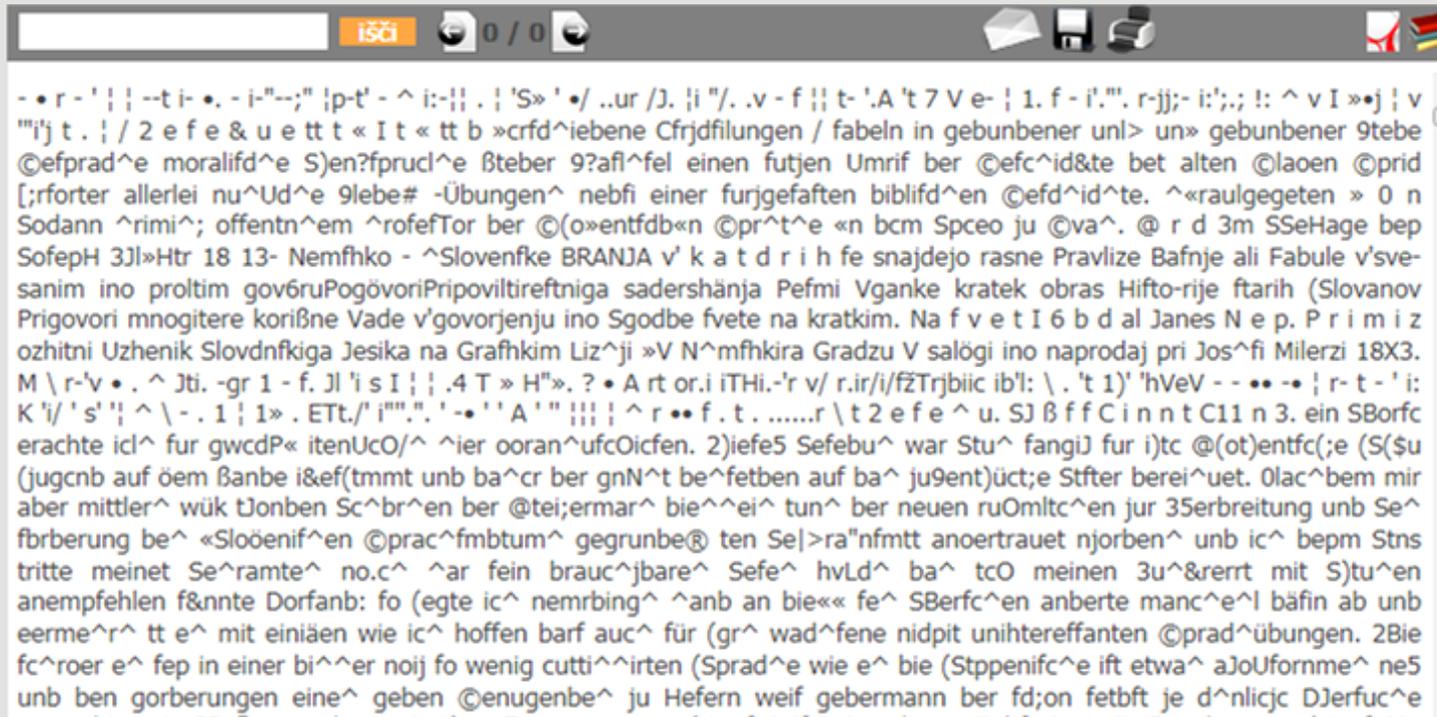
 **KB** IMPACT is supported by the European Community under the FP7 ICT Work Programme. The project is coordinated by the National Library of the Netherlands.

11. dLib.si – content

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



13. Documents published before 1850



Example of a bad OCR in a HTML preview



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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



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16. DRIVER II vs. IMPACT

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

SEARCH THE REPOSITORIES | LEARN ABOUT DRIVER | FIND SUPPORT | REGISTER YOUR REPOSITORY

driver
Digital Repository Infrastructure Vision for European Research

DRIVER search portal - Access the network of **freely accessible** digital repositories with content across academic disciplines with over **3,500,000 scientific publications**, found in journal articles, dissertations, books, lectures, reports, etc., harvested regularly from more than **295 repositories**, from **38 countries**.

DRIVER: Networking European Scientific Repositories
Considered the largest initiative of its kind in helping to enhance repository development worldwide, DRIVER is a multi-phase effort whose vision and primary objective is to create a cohesive, robust and flexible, pan-European infrastructure for digital repositories, offering sophisticated services and functionalities for researchers, administrators and the general public.

The objectives of DRIVER-II, the second phase of the project, include efforts to expand, enrich, and strengthen the results of DRIVER, in the following areas:

- strategic geographic and community expansion by means of the DRIVER confederation
- establish a robust, scalable repository infrastructure accompanied by an open

DRIVER II = open network - infrastructure nodes

IMPACT = closed network - Centre of Competence for digitisation



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17. Europeana vs. IMPACT

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

EUROPEANA = open network - regional, national content aggregation

My Europeana About us Communities Partners ThoughtLab Choose a language

Paintings, music, films and books from Europe's galleries, libraries, archives and museums. [Find out more](#)

Search ?

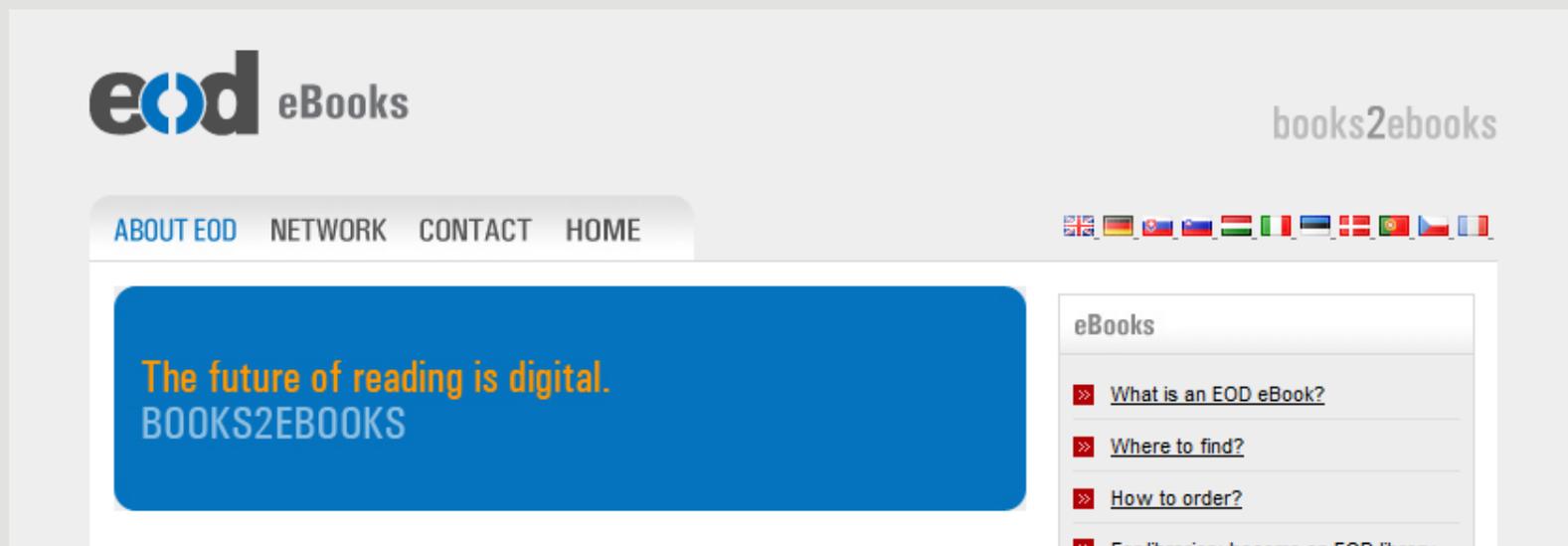
[Advanced search](#)

YIDDISH THEATRE IN LONDON 1 2 3 4

JEWISH MUSEUM LONDON

europaena
think culture

18. EOD vs. IMPACT



The screenshot shows the EOD eBooks website. The main header features the 'eod eBooks' logo on the left and 'books2ebooks' on the right. Below the logo is a navigation menu with 'ABOUT EOD', 'NETWORK', 'CONTACT', and 'HOME'. A large blue banner contains the text 'The future of reading is digital. BOOKS2EBOOKS'. To the right, there is a list of flags representing various countries. Below the flags is a section titled 'eBooks' with a list of links: 'What is an EOD eBook?', 'Where to find?', 'How to order?', and 'For libraries: become an EOD library'.

- 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



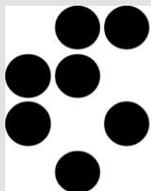


19. Project participation benefits II

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



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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





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20. Project participation challenges

Sustainability issues

- implementation of results
- employment of the project staff

Funding difficulties





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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)

Centre of Competence in Text Digitisation

Content holders

Basic membership (free)

Network of content holders involved in digitisation

IMPACT Forum

Learning resources toolkit

Online tutorials

Helpdesk

Research dataset

IMPACT Framework: Technical architecture for Digitisation

Language resources

Researchers

IMPACT Forum

Research dataset

Language resources

Service Providers

Access to customers: community of content holders involved in digitisation

IMPACT Forum

Research dataset

Language resources

Premium membership (subscription fee)

Membership of IMPACT Board

Preferential rate for IMPACT training, workshops, conferences, consultancy and pay as you go services

Evaluation service

Full research dataset with ground truth

Technical Support

Technology watch reports

Committees and working groups

Preferential rate for IMPACT training, workshops, conferences, consultancy and pay as you go service

Evaluation service

Full research dataset with ground truth

Access to a set of IMPACT tools

Integration with IMPACT Framework

Committees and working groups

Preferential rate for IMPACT training, workshops, conferences, consultancy and pay as you go service

Evaluation service

Full research dataset with ground truth

Entry on the IMPACT Register of Service Providers

Pay as you go (available to members and non-members)

Conferences, workshops and briefings

Training

Digitisation consultancy

On demand tool services

Conferences, workshops and briefings

Sponsoring (parts of) IMPACT events or a booth at an event



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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.

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Thank you!

Any questiones?

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