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ENRICH

Exploitation Plan

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1. Impact and Sustainability

Until November 2009, ENRICH project and Manuscriptorium digital library as well were disseminated in many European and non-European countries: Austria, Belarus, Croatia, Czech Republic, Denmark, Georgia, Germany, Hungary, Iceland, Italy, Kazakhstan, Korea, Latvia, Lithuania, Macedonia, Moldova, Poland, Romania, Russia, Serbia, Slovakia, Slovenia, Spain, Sweden, Ukraine. At present the ENRICH/Manuscriptorium network is represented by more than 100 memory institutions. Moreover some important contacts were found in France, Portugal and the UK that should enable further dissemination also into these countries.

Impact of the ENRICH project and the ENRICH network has been and will be probably very deep and large because of three grounds:

- 1) it uses TEI P5 standards (TEI P5 ENRICH specification) so that it is oriented to the worldwide disperse TEI community
- 2) it is based on interoperability between mostly used descriptive metadata standards so that it can be easy used by all types of memory institutions
- 3) it provides several on-line tools for meta/data creation and content adaptation so that it is very user friendly. In this point of view the network created by ENRICH is very easy extensible in the near as well as remote future.

Sustainability of the ENRICH project must be ensured through two parallel ways.

The first way is based on organizational arrangements consisting of establishment and activities of **Manuscriptorium Advisory Committee**. The Committee is planned to be established in the new future, after the Manuscriptorium partners' agreement. NKP and AIP elaborated the basic idea and further steps are now under negotiation.

According to current propositions, the **Manuscriptorium Advisory Committee** should be composed of eight members: two founding members, i.e. expert guarantor (NKP) and technical guarantor (AIP), five common committee members and a secretary.

Expert guarantor is responsible for the general direction of Manuscriptorium, adherence to the current norms, harmony with European policy on the preservation of cultural heritage; Co-ordinates the activity of Manuscriptorium Advisory Committee with the goal of achieving the highest possible durability of aggregate data; Is responsible for maintaining the openness of the forms of data in use; is responsible for maintaining the openness of the forms of data in use; is responsible for adherence to European legislation in respect of Manuscriptorium; ensures that Manuscriptorium adopts a methodology which meets the requirements of the relevant EU activities in the sphere of cultural history and are compatible with them.

Technical guarantor is responsible for the technical direction of Manuscriptorium, adoption of the current technical norms and harmony with European policy in respect of the preservation of cultural heritage; Co-ordinates the activity of Manuscriptorium Advisory Committee with the goal of achieving the highest possible durability of aggregate data; is responsible for maintaining the openness of the forms of data in use.

As founder members of Manuscriptorium Advisory Committee, EG and TG are permanent members of Manuscriptorium Advisory Committee (ex officio).

The Secretary is a representative of NKP. Presents, as required, verbal or written statements in accordance with the recommendations of the Committee and the strategy of Manuscriptorium; participates in the promotion and popularization of Manuscriptorium among the professional and lay public; Represents Manuscriptorium and participates in Committee meetings; the Secretary has no voting rights in Manuscriptorium Advisory Committee.

The remaining five members of the committee will normally be elected from the most active Manuscriptorium Partners (taking into account numbers of documents, their importance, the demand for them, their quality and level of support) and also possibly from the prominent Manuscriptorium users.

One of the members of the Committee will act as a “Chairman”. In the initial phase it is proposed that this function will be carried out by the representative of National Library of Czech Republic, Mr. Adolf Knoll. In the subsequent years, the function can be carried out by another member of the Committee selected in elections according to the exact rules which will be agreed by all partners.

Main roles of the Manuscriptorium Advisory Committee will be:

- 1) to contribute to the development of the content of MNS and the acquisition of new Partners
- 2) to facilitate integration into wider information structures (Europeana and world-wide initiatives)
- 3) to explore new sources of funding for Manuscriptorium and related activities; 4) to promote Manuscriptorium and related activities.

The Chairman, the EG and the TG are entitled to invite experts to Manuscriptorium Advisory Committee negotiations as consultants. Additionally, any two Manuscriptorium Advisory Committee members may propose experts to the Chairman. The Chairman has the independent right to decide whether to invite a nominated expert. If the Chairman does not agree to invite the proposed expert the proposers may approach other members and if five Manuscriptorium Advisory Committee members make a proposal the Chairman is obliged to accept it.

Secondly sustainability of the ENRICH project/Manuscriptorium must be ensured by multi-resource funding. The National Library of Czech Republic is continuously monitoring the possible financial resources for operation and development of the services.

At the moment, the following main sources have been used/planned to be used:

- 1) funding by the Czech government through the budget of the National Library as a state institution
- 2) financing from the European projects

- 3) license fees paid by end users (although the data of the ENRICH partners will be provided for free without license, there are other Manuscriptorium partners that are not members of the ENRICH network)
- 4) potential financial contribution paid by partners. There are several possibilities, e.g.
 - a) all partners pay the same amount
 - b) fees according to the size of the institution
 - c) fees according to the amount of data provided for Manuscriptorium
 - d) fees according to the budget of the institution
 - e) fees according to the index of the material level of the country
 - f) only those pay who vote in the Manuscriptorium Advisory Committee

This type of financing is at the moment just in stage of “idea” and will be further analyzed, mainly by the members of the Manuscriptorium Advisory Committee. It is clear that it will be very difficult to find some common agreement about this type of financing, therefore the routine service of Manuscriptorium cannot depend on this type of financing in the next period.

- 5) partners do not pay any fee but they work
 - a) as sub-aggregators,
 - b) in development of the Manuscriptorium.

The above outlined strategies should assure not only the “surviving” of the Manuscriptorium service, but also its further development in order to stay on the top of the digital libraries in the worldwide scale.

2. Exploitation of the concrete results on the project level

a. Manuscriptorium and its tools

During the progress of the ENRICH project several new tools have been created and several new standard applications and best practices were developed. Most of them have been accepted by partner content providers positively as well as by the end users during the ENRICH evaluation process. Thus, the Manuscriptorium tools etc. can be used and exploited in many ways.

i. New Manuscriptorium Platform

A new Manuscriptorium platform is based on the TEI P5 schema and it brings new search possibilities and utilities, especially search with diacritical tolerance (e.g. c = ç = ć = ĉ = ċ = č etc.) and graphical alternatives (e. g. /evangelium/ = w /ewangelium/ = u /euangelium/ = uu /euuangelium/ etc.). The new Manuscriptorium platform will be implemented as a standard service and its search utilities will be improved and successively upgraded.

ii. TEI P5 ENRICH schema

TEI P5 ENRICH schema is an application of the TEI P5 standard for digital libraries like Manuscriptorium, i.e. digital libraries providing manuscripts and other historical documents. It enables to interconnect descriptive and structural metadata for creation of both centralized and distributed compound digital documents. The TEI P5 ENRICH schema has been developed in close cooperation with the TEI community it has a potential for an extreme wide implementation. The TEI P5 ENRICH schema is already used as the Manuscriptorium internal standard and it will be also used for any conversion of data from Manuscriptorium partners.

iii. ENRICH Garage Engine

ENRICH Garage Engine is a newly created tool for conversions between metadata standards. It covers the descriptive metadata standards that are mostly used in memory institutions, such as libraries, archives, and museums. It is a very important interoperability tool that enables easy collaboration with partner content providers using these standards. It will be regularly used in process of collaboration with current and future partners.

iv. Gaiji Bank

Gaiji Bank is a tool to deal with non-Unicode characters. The possibility of easy use of non-Unicode characters is a crucial issue for work with historical documents and/or texts for data creators and users as well, because manuscripts and other historical documents require strict correctness in use of historical scripts and consequently in use of appropriate electronic characters/fonts. The method how to do it was developed in close cooperation with the TEI community. The Gaiji Bank will be hosted by the Manuscriptorium service. In the near future, the best practice of work with the Gaiji Bank will be evaluated in order that metadata creators can prepare descriptive metadata as well as full texts of primary documents in an appropriate way.

v. M-Tool online

M-Tool online is a new version of the former stand-alone M-Tool application. It enables creation of descriptive and structural metadata in conformity with the TEI P5 ENRICH schema. It will be implemented as a regular service into the new Manuscriptorium platform. It will be complemented with the new Manuscriptorium for Candidates (M-Can) environment for further checking and editing of distributed compound digital documents created with M-Tool Online.

vi. Multilingual Tools

The multilingual tools are extremely important for end-users. Their further development should be proposed for a longer time.

vii. Virtual Documents

Virtual documents can be created in the M-Tool Online. It is the activity done especially by the end users, although also metadata creators can be involved. It will be implemented as a regular new Manuscriptorium platform service.

viii. Virtual Collections

Creation of virtual collections is one of utilities of the new Manuscriptorium platform. It has been developed in process of personalization of Manuscriptorium services. It is designed for end-users as well as for data creators. It will be implemented as a regular new Manuscriptorium platform service.

b. Other Resources

i. TEL

TEL is an integrated resource provided by CENL. It makes accessible data of European national libraries and it is planning to aggregate also data of other libraries. The new Manuscriptorium platform is ready to provide data for the TEL in the near future.

ii. Europeana

Europeana is a portal for access to the European cultural heritage. The new Manuscriptorium platform is ready to provide data for Europeana in the near future.

iii. The CERL Portal

The CERL Portal is a meta-index service for heuristic tasks in the area of manuscripts and early printed books from the European and world memory institutions. The old Manuscriptorium platform has already collaborated with the CERL Portal. The new Manuscriptorium platform is ready to provide metadata for the CERL Portal in near future, too.

3. Partner's Exploitation Plans

INTRODUCTION

The main aim of this task was for all consortium members to define how the exploitable aspects of the projects would be used and integrated within their institution. For this reason, they were asked to develop an exploitation plan explaining in detail how the output of the project would be introduced into a common and individual strategy. Considering that the ENRICH consortium has been established considering the complementary competencies of the partners, not only for the time frame of the ENRICH project but also in a longer term perspective, the following questionnaire aims to probe about the ENRICH partners strategies (current and future) and in particular about their individual exploitation intentions of the ENRICH's outcomes.

EXPLOITATION QUESTIONNAIRE: PROCESS AND METHODOLOGY

The Exploitation questionnaires are composed from two parts. The first part, "Basic Data" aims to provide an overview of all partners involved in ENRICH project.

Such part answers to the following questions:

- Who are you?
- Why ENRICH?
- Who will you be? What are your general plans after ENRICH?

The second part, "Outcomes of ENRICH", aims to understand which are the expected outcomes from ENRICH or which could be one, and how they could be exploited. Such part suggests to partners the most important possible results obtainable through ENRICH on which partners describe their opinion about also their possible exploitation. In order to identify the possible ENRICH outcomes, also to possible interests of partners are been considered.

Here below, Exploitation questionnaire template is shown:

ENRICH Project Exploitation Questionnaire	
Overview of project partner institution and its involvement in ENRICH	Description
Name of your Company or Institution	
What is the main reason you are in the ENRICH project?	<i>1 -2 sentences</i>
Summarize the future strategy of your company/institution in the field of digital libraries	<i>Several sentences</i>
Exploitation of outcomes of ENRICH project	Description (Please describe how do you plan to exploit the main results of ENRICH project – on the level of your institution, but also on the national level)
New version of Manuscriptorium platform in general	
TEI P5 ENRICH schema	
ENRICH Garage Engine	
Personal Collections	
Virtual Documents	
M-Tool online	
Multilingual tools	
Indirect ways of exploitation of ENRICH results	Description (Please indicate if you plan to perform some of the listed activities and if yes, describe how and in what extent)
Disseminate the knowledge and experience (in frame of institution, country, worldwide..) for example by training and education of your employees or external persons	

Create new jobs or safeguard the existing ones based on ENRICH project	
Incorporate the developed technology or its part into offering of your company/institution	
Provide consultancy	
Realize follow-up activities or projects	
Is there any other way you plan to exploit the results and experience gained during the realization of ENRICH project?	<i>Please insert here if you have some other ideas how the results of ENRICH could be exploited.</i>

OVERALL RESULTS

Results of the Questionnaires

A quantitative analysis of the filled questionnaires was done. Below there is a synthesis of the answers for the project outcomes included in the Questionnaire.

A) Exploitation of outcomes of ENRICH project

1) New version of Manuscriptorium platform in general

The new version of Manuscriptorium platform will be in some way exploited by all the project partners – while some of them are interested in the whole service, some of them will probably use and promote only the selected parts of the system. This is specified in the paragraphs below.

2) TEI P5 ENRICH schema

TEI P5 ENRICH scheme will be used by 11 ENRICH partners: NKP, AIP, OUCS, KU, BNCF, MICF, SYS, SAM, UZK, NULI, PSNC. These partners can be divided into two groups. First of them are technological partners somehow involved in development and implementation of the schema, who will continue with this development and promotion and will also seek further possible applications of the schema. The second group is created by the content partners who adopted the schema for their digital libraries of manuscripts and will continue using it according to the methodologies developed by authors of the schema.

3) ENRICH Garage Engine

The ENRICH Garage Engine is planned to be used by 8 partners: NKP, AIP, OUCS, KU, MICF, UZK, BUTE, PSNC. These are mainly the partners focusing on technology who will be able to use the tool for metadata conversions.

4) Personal Collections

Personal Collections are a user oriented feature of the new Manuscriptorium platform. Therefore it will be used mainly by the content partners' employees and other users of the digital libraries for their routine work in frame of research, educational and publication activities. Personal Collections will be used by 11 partners: NKP, CCP, AIP, MICF, IMI, VUL, ULW, SAM, DSP, NULI, BUTE.

5) Virtual Documents

The same as for Personal Collections applies for Virtual Documents. It will also be used mainly by the content partners, 11 of them expressed their willingness to exploit this result: NKP, CCP, AIP, MICF, IMI, VUL, ULW, SAM, DSP, NULI, BUTE

6) M- Tool online

M- Tool online is rather specific result of the project and therefore will be used by quite limited group of partners, who will use this tool for their activities related to creation and processing of descriptive metadata. These partners are: NKP, AIP, OUCS, KU, UZK and DSP.

7) Multilingual tools

Multilingual tools are planned to be used in some way by the following partners: NKP, AIP, OUCS, KU, SYS, ULW, UZK and DSP.

B) Indirect ways of exploitation of ENRICH results

1) Disseminate the knowledge and experience for example by training and education of your employees or external person

All partners of the project plan to disseminate at least the basic knowledge and experience gained during the realization of the ENRICH project.

2) Create new jobs or safeguard the existing ones based on ENRICH project

Only 2 partners (AIP and ULW) indicated that new jobs have been created due to ENRICH project. Both will do their best in order to keep these jobs also in the next period, although it may depend on numerous external factors.

3) Incorporate the developed technology or its part into offering of your company/institution

This way of exploitation obviously refers mainly to the technological partners, who can replicate the use of the project results also in other applications. Apart of that, also some of the content partners may offer some of the Manuscriptorium services for their local partners (mainly libraries – potential Manuscriptorium partners). The partners indicating this type of exploitation activities are following: NKP, AIP, OUCS, KU, MICF, IMI, SYS, ULW, SAM, UZK, NULI, BUTE and PSNC.

4) Provide consultancy

The group of partners willing to provide some type of consultancy is quite similar to the one answering “Yes” to the previous question. The technological partners will provide consultancy related to their particular expertise and tools they have (co-)developed during the ENRICH project. Some of the content partners will also provide consultancy to local institutions dealing with issues related to digital libraries of manuscripts and potentially willing to join the Manuscriptorium consortium. 12 partners plan to provide some type of consultancy related to the results of ENRICH project: NKP, CCP, AIP, OUCS, MICF, IMI, VUL, ULW, SAM, DSP, NULI, and BUTE.

5) Realize follow-up activities or projects

All partners plan to realize some type of follow-up activities or projects. The variety of these activities varies a lot according to the type of institution and its overall strategy. Therefore some of the partners listed quite concrete follow-up activities or projects, some of them already running, while the others (content partners) do not have a specific plan and will rather focus on the operation and further enlargement of the content of their digital libraries.

Summary of Exploitation Questionnaires provide by ENRICH partners

Exploitation of results		
Result	Nr. of partners planning exploitation	% of total number of partners
New version of Manuscriptorium platform in general	18	100 %
TEI P5 ENRICH schema	11	61 %
ENRICH Garage Engine	8	44 %
Personal Collections	11	61 %
Virtual Documents	11	61 %
M-Tool online	6	33 %
Multilingual tools	8	44 %
Indirect ways of exploitation		
Type of activity	Nr. of partners planning to perform this activity	% of total number of partners
Disseminate the knowledge and experience (in frame of institution, country, worldwide..) for example by training and education of your employees or external persons	18	100 %
Create new jobs or safeguard the existing ones based on ENRICH project	2	11 %
Incorporate the developed technology or its part into offering of your company/institution	13	72 %
Provide consultancy	12	67 %
Realize follow-up activities or projects	18	100 %

ENRICH PARTNERS' EXPLOITATION QUESTIONNAIRES

NKP

ENRICH Project Exploitation Questionnaire	
Overview of project partner institution and its involvement in ENRICH	Description
Name of your Company or Institution	National Library of the Czech Republic
What is the main reason you are in the ENRICH project?	We want to gain much more partners that will be available to join Manuscriptorium and to provide their data. We want to upgrade the Manuscriptorium system and to create some appropriate tools for our partners and end users as well.
Summarize the future strategy of your company/institution in the field of digital libraries	<p>We want Manuscriptorium to become a European digital manuscript library. We want Manuscriptorium to become a Europeana aggregator for manuscripts and early printed books. We want to cooperate with the TEL and The CERL Portal.</p> <p>Czech National Library is now pushing on the development of its digital libraries and prepares a large project call "National Digital Library" which is supposed to be funded from Structural Funds (the project idea was approved by the government in 2008 for further elaboration). Manuscriptorium will be one of the parts of this National Digital Library.</p>
Exploitation of outcomes of ENRICH project	Description
New version of Manuscriptorium platform in general	It will enable us to manage more data provided by much more partners than up to now. It will enable us to be more interoperable.
TEI P5 ENRICH schema	It is a very important step on the way of standardization and the new scheme provides better searching possibilities.
ENRICH Garage Engine	It is an important tool for integrating wider amount of highly differentiated data.
Personal Collections	It is a very important tool for end users. It is a step on the way of allowing easy electronic publishing.
Virtual Documents	It is a very important tool for the end users. It is a step on the way of allowing easy electronic publishing.
M-Tool online	It is an important tool for Manuscriptorium partners. It can be used also without relation to Manuscriptorium and its activities. It is an important example of the best practice in the area of digital processing of manuscripts.
Multilingual tools	It is a necessary but insufficient condition for multilingual

	search. It needs much more work.
Indirect ways of exploitation of ENRICH results	Description
Disseminate the knowledge and experience for example by training and education of your employees or external persons	We will disseminate the knowledge and our experience among memory institutions at European/global level in order to acquire new partners for cooperation.
Create new jobs or safeguard the existing ones based on ENRICH project	ENRICH did not create jobs in our library. It could create maximum one job in the future.
Incorporate the developed technology or its part into offering of your company/institution	We will provide a new Manuscriptorium service based on means and tools that were created during the progress of the ENRICH project.
Provide consultancy	We are open to provide consultancy for all actual and potential Manuscriptorium partners and interested persons as well.
Realize follow-up Is there any other way you plan to exploit the results and experience gained during the realization of ENRICH project?	As for we provide the Manuscriptorium resource and service we are strongly interested in further project activities that will enable us to develop means and tools for Manuscriptorium. There are already smaller projects being realized focusing on further enrichment of the digital content provided through Manuscriptorium, funded from national or EU resources (Culture program).
	Direction to virtual research environment and the semantic web is another possible way how to exploit the results.

CCP

ENRICH Project Exploitation Questionnaire	
Overview of project partner institution and its involvement in ENRICH	Description
Name of your Company or Institution	Cross Czech a.s.
What is the main reason you are in the ENRICH project?	Cross Czech a.s. has been involved in the project since its very origin. We have been one of the members of the core management team responsible for the elaboration of the project and its budget. The reason was that NKP did not have enough capacity and experience for coordination of such large project and this capacity and experience was offered by Cross Czech a.s. From the company point of view the project was a great opportunity to collaborate on the large project in the area of preservation of cultural heritage and digitization of cultural content, which became one of the main fields of the company in the recent period on the national and international level.
Summarize the future strategy of your company/institution in the field of digital libraries	Cross Czech has been one of the most active subjects in Czech Republic recently not only in the field of digital libraries, but in the more general fields as described above. We are closely cooperation with the Ministry of Culture in this area. Nowadays (December 2009) the Baseline Study for National Strategy of Digitization is being finalized. It will be followed by the National Strategy of Digitization itself, which will create the framework for the digitization activities in Czech Republic for the next period (of course with consideration of the processes running on the international level). We also closely cooperate with National Library of Czech Republic on the preparation of the project "National Digital Library" and with Art Institute on the preparation of the project "Czechiana" – both are supposed to be financed from the Structural Funds. Cross Czech a.s. exploits well the experience gained during the realization of ENRICH project within these activities.
Exploitation of outcomes of ENRICH project	Description
New version of Manuscriptorium platform in general	Cross Czech will promote Manuscriptorium as a great example of targeted digital library during its activities in the field of preservation of cultural heritage in Czech Republic and also abroad. We do not plan any specific use by our employees (except of their personal interest).

TEI P5 ENRICH schema	There is no specific use for Cross Czech and its employees.
ENRICH Garage Engine	There is no specific use for Cross Czech and its employees.
Personal Collections	The personal collections may be used as an example or baseline for some of the features of the planned presentation portal of Czech cultural content – Czechiana.
Virtual Documents	The personal collections may be used as an example or baseline for some of the features of the planned presentation portal of Czech cultural content – Czechiana.
M-Tool online	There is no specific use for Cross Czech and its employees.
Multilingual tools	Will be used routinely during the use of Manuscriptorium as such.
Indirect ways of exploitation of ENRICH results	Description
Disseminate the knowledge and experience (in frame of institution, country, worldwide..) for example by training and education of your employees or external persons	As described above, the knowledge and experience is being continuously disseminated and utilized in frame of running and planned activities of Cross Czech a.s. For example the experts of Arts Institute were invited to the final workshop of ENRICH project and expressed their interest in some of the features such as Personal Collections and Virtual Collections. These concepts were therefore included into the description of the planned project Czechiana.
Create new jobs or safeguard the existing ones based on ENRICH project	No jobs were directly based on ENRICH project, however the acquired expertise will help Cross Czech experts to continue with the activities in the field of digital libraries and preservation of cultural heritage described above.
Incorporate the developed technology or its part into offering of your company/institution	We do not offer any specific technology.
Provide consultancy	Providing consultancy is one of the core activities of the company. We plan to continue with providing consultancy related to: <ul style="list-style-type: none"> • Planning, realization and management of EC funded projects • Preservation of cultural heritage and digitization
Realize follow-up activities or projects	Some of the activities being planned and realized in Czech Republic (projects of National Digital Library and Czechiana) can be perceived as follow-up projects, although their scope is much broader than manuscripts. Cross Czech a.s. also cooperates with National Library of Czech Republic on the elaboration of smaller international follow-up projects, such as REDISCOVER funded by Culture 2007 program. After successful finalization of the project and all administration, the possibilities of larger follow-up project will be analyzed.

Is there any other way you plan to exploit the results and experience gained during the realization of ENRICH project?	
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AIP

ENRICH Project Exploitation Questionnaire	
Overview of project partner institution and its involvement in ENRICH	Description
Name of your Company or Institution	AiP Beroun s.r.o.
What is the main reason you are in the ENRICH project?	AiP Beroun s.r.o. is the provider of the technical services of Manuscriptorium, which is the platform for document aggregation and presentation.
Summarize the future strategy of your company/institution in the field of digital libraries	Provide access to existing digital resources, improve the services of the Manuscriptorium platform, and focus the needs of both end-users and content providers. The goal is both to create virtual research environment for scholars and researchers and bring the digitized content to the common users (teachers, students etc.). The near future goal is to become Europeana sub-aggregator for the field of historical sources.
Exploitation of outcomes of ENRICH project	Description
New version of Manuscriptorium platform in general	As the main presentation platform for aggregated content.
TEI P5 ENRICH schema	It is adapted as internal schema for the Manuscriptorium platform.
ENRICH Garage Engine	Through the EGE service we will publish XSL mappings between various metadata formats (as created during creation of connectors). So through the EGE the interested users can perform their own conversions.
Personal Collections	We will maintain this module for interested end-users. Further development is being organized.
Virtual Documents	We will maintain this module for interested end-users. Further development is being organized.
M-Tool online	We will maintain this module for content providers interested in creating new TEI P5 ENRICH schema based metadata for their digital data.
Multilingual tools	We will maintain this module for end-users in order to ease certain search task and also to enable translation of records.
Indirect ways of exploitation of ENRICH results	Description
Disseminate the	In order to support the aggregation within Manuscriptorium

<p>knowledge and experience (in frame of institution, country, worldwide..) for example by training and education of your employees or external persons</p>	<p>platform we plan to perform training workshops focused in correct usage of the XML TEI P5 ENRICH schema, trainings of usage of dedicated applications (M-Tool, M-Can and other) that are build on the schema.</p> <p>These activities are dedicated to common employees of the content providers.</p>
<p>Create new jobs or safeguard the existing ones based on ENRICH project</p>	<p>There is a significant need to employ experienced researchers/librarians familiar with the area of historical resources and train them with technical knowledge related to XML TEI P5 schema.</p>
<p>Incorporate the developed technology or its part into offering of your company/institution</p>	<p>There are other projects and fields of cooperation that we will realize with other institutions. For instance a development of text editions database with participation Czech Academy of Science. These projects will be based on and will benefit from the results of WP3 of ENRICH project.</p>
<p>Provide consultancy</p>	<p>We already published “Interoperability Guide” that is a documentation based on ENRICH results which focuses on creation of highly interoperable digital documents. We plan to provide related consultancy to interested content creators.</p>
<p>Realize follow-up activities or projects</p>	<p>We want to further deploy ENRICH principles of cooperation and based on these principles we want to become sub-aggregator for the digital documents originated from historical sources.</p>
<p>Is there any other way you plan to exploit the results and experience gained during the realization of ENRICH project?</p>	<p>No. See the above.</p>

OUCS

ENRICH Project Exploitation Questionnaire	
Overview of project partner institution and its involvement in ENRICH	Description
Name of your Company or Institution	OUCS
What is the main reason you are in the ENRICH project?	To promote use of the TEI standard and assist in its application to the area of manuscript description and encoding
Summarize the future strategy of your company/institution in the field of digital libraries	We will continue to provide information about best practice in digital libraries, to develop tools where possible, and to assist in the evolution of the TEI standards in response to the needs of the digital library community
Exploitation of outcomes of ENRICH project	Description
New version of Manuscriptorium platform in general	As an example application of the benefits of standards
TEI P5 ENRICH schema	To be used in relevant projects which we support at Oxford, such as those in the Bodleian Library on the cataloguing of Islamic manuscripts
ENRICH Garage Engine	To be used in relevant projects which we support at Oxford
Personal Collections	
Virtual Documents	
M-Tool online	May be of use in relevant projects which we support at Oxford
Multilingual tools	To be used in relevant projects which we support at Oxford
Indirect ways of exploitation of ENRICH results	Description
Disseminate the knowledge and experience (in frame of institution, country, worldwide..) for example by training and education of your employees or external persons	ENRICH schema and its associated tools already forms and will continue to be a major component in our regular TEI training events, locally, nationally, and internationally.
Create new jobs or safeguard the existing ones based on ENRICH project	

Incorporate the developed technology or its part into offering of your company/institution	EGE uses stylesheets which we support and which are embedded also in other projects. For example, we have developed conversions between Word and TEI XML for ISO Central Secretariat using the same components. We will develop these further for a variety of projects which require Word/TEI conversion
Provide consultancy	As noted above, we are providing consultancy to several manuscript projects based on use of ENRICH, e.g. for cataloguing of Islamic mss at Cambridge and Oxford.
Realize follow-up activities or projects	Expand coverage of Enrich schema to include needs of other similar cataloguing projects as they become clear
Is there any other way you plan to exploit the results and experience gained during the realization of ENRICH project?	We hope the Manuscriptorium can in due course become an open access archive

KU

ENRICH Project Exploitation Questionnaire	
Overview of project partner institution and its involvement in ENRICH	Description
Name of your Company or Institution	Nordisk Forskningsinstitut, Københavns Universitet (Department of Scandinavian Research, University of Copenhagen)
What is the main reason you are in the ENRICH project?	Facilitate the use and interoperability of digital resources based on Icelandic manuscripts held by the University of Copenhagen and its Icelandic colleagues.
Summarize the future strategy of your company/institution in the field of digital libraries	Digital collections based on the ENRICH schema will from now on be an ongoing project which in due course will contain descriptions and images of all manuscripts and charters preserved by Nordisk Forskningsinstitut. Use of common encoding practices governed by the ENRICH TEI P5 schema will facilitate integration with other collections.
Exploitation of outcomes of ENRICH project	Description
New version of Manuscriptorium platform in general	To demonstrate a method by which a single portal can be used to amalgamate resources from different repositories
TEI P5 ENRICH schema	To be used for manuscript encoding projects within our institution
ENRICH Garage Engine	To be used in relevant projects which we support at the University of Copenhagen
Personal Collections	
Virtual Documents	
M-Tool online	May be used in relevant projects which we support at the University of Copenhagen
Multilingual tools	May be used in relevant projects which we support at the University of Copenhagen
Indirect ways of exploitation of ENRICH results	Description
Disseminate the knowledge and experience (in frame of institution, country, worldwide..) for example	The valuable knowledge and experience accumulated during the course of the ENRICH project will be the foundation of the training and education of our employees when, after the completion of the ENRICH project, we turn to the task of

by training and education of your employees or external persons	working on the many manuscripts in our care that still lack digital descriptions and images.
Create new jobs or safeguard the existing ones based on ENRICH project	
Incorporate the developed technology or its part into offering of your company/institution	The ENRICH schema underpins current manuscript encoding work at the University of Copenhagen. This is true for work undertaken by professional manuscript cataloguers, scholarly encoding and student work.
Provide consultancy	
Realize follow-up activities or projects	We see the result of the ENRICH project as a great potential for many future projects. On one hand there is vast information that still needs to be added or can be added to our existing digital collection to cover the field, which in itself could be an initiative to several target-orientated projects. On the other hand various research projects can be based on the information already accumulated there along with what will be added in the future, which can be extracted in various combined ways.
Is there any other way you plan to exploit the results and experience gained during the realization of ENRICH project?	We hope the Manuscriptorium can in due course become an open access archive.

BNCF

ENRICH Project Exploitation Questionnaire	
Overview of project partner institution and its involvement in ENRICH	Description
Name of your Company or Institution	Central National Library of Florence (BNCF), Italy
What is the main reason you are in the ENRICH project?	The BNCF from the beginnings of the Nineties was deeply involved in digitization strategy. The Enrich project was an opportunity to develop an advanced framework to manage manuscripts contents by means of a new technological interface.
Summarize the future strategy of your company/institution in the field of digital libraries	The digital library perspective is one of the main aims of the BNCF. We intend to strengthen the integration of our collections with Europe; together with the Italian Ministry of Cultural Heritage we are discussing with Google the possibility to supply digital contents to Goggle Books service; furthermore we are evaluating other strategies of development and diffusion of digital contents by means of other European editorial projects and initiatives.
Exploitation of outcomes of ENRICH project	Description
New version of Manuscriptorium platform in general	
TEI P5 ENRICH schema	We will discuss about the possibility to use the TEI P5 ENRICH schema for future acquisitions and treatment of other manuscript collections of the BNCF.
ENRICH Garage Engine	
Personal Collections	
Virtual Documents	
M-Tool online	
Multilingual tools	
Indirect ways of exploitation of ENRICH results	Description
Disseminate the knowledge and experience (in frame of institution, country,	Internal meetings, carried out inside the Library for all the duration of the project, will continue. The ENRICH project experience and results will be disseminated in any occasion of training courses related to European projects, or in conferences and workshops

worldwide..) for example by training and education of your employees or external persons	committed to the management of digitized manuscript contents and in any occasion useful to describe significant experiences of the BNCF in this field.
Create new jobs or safeguard the existing ones based on ENRICH project	
Incorporate the developed technology or its part into offering of your company/institution	
Provide consultancy	
Realize follow-up activities or projects	
Is there any other way you plan to exploit the results and experience gained during the realization of ENRICH project?	
Is there any other way you plan to exploit the results and experience gained during the realization of ENRICH project?	

MICF

ENRICH Project Exploitation Questionnaire	
Overview of project partner institution and its involvement in ENRICH	Description
Name of your Company or Institution	MICC Media Integration and Communication Center
What is the main reason you are in the ENRICH project?	MICC worked with regional and national cultural institutions on harvesting metadata with OAI.PMH protocol - International Standards, Metadata Schema and Crosswalk -
Summarize the future strategy of your company/institution in the field of digital libraries	Working with Tuscany Region for the creation of a local Digital Library on cultural heritage, a Tuscany Repository for harvesting data with national Content Provider CulturalItalia.
Exploitation of outcomes of ENRICH project	Description
New version of Manuscriptorium platform in general	Realize workshops with regional and national institutions (Library, Museum,...) working on cultural heritage and illustrate them the New version of Manuscriptorium platform and Enrich Garage Engine, the new standard TEI P5 Enrich Schema and multilingual tools for creation of Personal Collections/Virtual documents.
TEI P5 ENRICH schema	See above
ENRICH Garage Engine	See above
Personal Collections	See above
Virtual Documents	See above
M-Tool online	...
Multilingual tools	...
	...
Indirect ways of exploitation of ENRICH results	Description
Disseminate the knowledge and experience (in frame of institution, country, worldwide..) for example by training and education of your employees or external	Organization of Seminars on Harvesting and Metadata at university level.

persons	
Create new jobs or safeguard the existing ones based on ENRICH project	...
Incorporate the developed technology or its part into offering of your company/institution	Improved knowledge on new metadata standards and OAI-PMH protocol.
Provide consultancy	MICC realized an OAI-PMH Data Provider for CulturalItalia www.culturaitalia.it . This Data Provider is conceived as a repository for metadata about Tuscany pieces of art. The mission of CulturalItalia: to promote Italian culture and heritage in Italy and abroad and to promote and integrate existing resources.
Realize follow-up activities or projects	Availability to take part to any other project initiative
Is there any other way you plan to exploit the results and experience gained during the realization of ENRICH project?	

IMI

ENRICH Project Exploitation Questionnaire	
Overview of project partner institution and its involvement in ENRICH	Description
Name of your Company or Institution	Institute of Mathematics and Informatics
What is the main reason you are in the ENRICH project?	To use our knowledge and experience in cultural heritage presentation and correct application of statistical methods in testing and evaluating a quality of newly developed ENRICH products, applications and functionalities. To help in solving technical problems for Lithuanian associated partners submitting their content to Manuscriptorium.
Summarize the future strategy of your company/institution in the field of digital libraries	The institute is going to develop a collaborative multimedia information system to collect and to safeguard cultural and science heritage spread everywhere in the world with émigrés of Lithuanian origin, to use their knowledge, memories for educational purposes.
Exploitation of outcomes of ENRICH project	Description
New version of Manuscriptorium platform in general	The main results and ideas of ENRICH project will be used not only in the national level but connecting a people on cultural background of the Lithuanian origin communities spread in the whole world.
TEI P5 ENRICH schema	
ENRICH Garage Engine	
Personal Collections	Personal collections will be used to compose thematic areas in the digital library related to outstanding personalities, important historical events, interesting places.
Virtual Documents	Virtual documents will be used to create teaching and training materials for inexperienced users of digital repository.
M-Tool online	
Multilingual tools	Lithuanian language is not included into Multilingual tools but it will help to find materials in less popular languages using English metadata.
Indirect ways of exploitation of ENRICH results	Description
Disseminate the knowledge and	We will disseminate the knowledge in the intensive multimedia training courses for the humanities, demonstrating facilities and

experience (in frame of institution, country, worldwide..) for example by training and education of your employees or external persons	applications developed in ENRICH.
Create new jobs or safeguard the existing ones based on ENRICH project	
Incorporate the developed technology or its part into offering of your company/institution	Yes, the developed technology will be widely used in presenting our institution mission to join advanced ICT knowledge and cultural heritage items, making them searchable, revealing the new facts and making real scientific discoveries that would be not possible without such approach.
Provide consultancy	The researchers working in the humanities area have a permanent consultancy and help in digital repositories area.
Realize follow-up activities or projects	The projects based on a digital representation of cultural heritage are permanent follow-up activity of our institution.
Is there any other way you plan to exploit the results and experience gained during the realization of ENRICH project?	

VUL

ENRICH Project Exploitation Questionnaire	
Overview of project partner institution and its involvement in ENRICH	Description
Name of your Company or Institution	Vilnius University Library
What is the main reason you are in the ENRICH project?	The Project created the most favorable environment for the Library as the institution of cultural heritage to convey its aspirations – to preserve unique objects for future generations, to display and open them for the worldwide research. In the other hand ENRICH project gave an impulse to organize digitization process in VUL more strategically and purposefully; to get contacts for future projects.
Summarize the future strategy of your company/institution in the field of digital libraries	VUL digitization strategy is a part of the national digitization strategy, which was signed by governmental authorities in this year. Main objectives of the VUL in the field of digital libraries are to digitize and preserve cultural heritage objects according to the national and VUL priorities, be a part of the Lithuanian Digital Library. On the other hand to contribute to European and Worldwide projects.
Exploitation of outcomes of ENRICH project	Description
New version of Manuscriptorium platform in general	On institution and national level
TEI P5 ENRICH schema	
ENRICH Garage Engine	
Personal Collections	On institution and national level
Virtual Documents	On institution and national level
M-Tool online	
Multilingual tools	
Indirect ways of exploitation of ENRICH results	Description
Disseminate the knowledge and experience (in frame of institution, country, worldwide..) for example	<ol style="list-style-type: none"> 1. Articles to the institutional and professional national journals and newspapers; 2. Integrate additional lessons about ENRICH results (Manuscriptorium, Personal Collections, Virtual

by training and education of your employees or external persons	Documents) into information literacy courses.
Create new jobs or safeguard the existing ones based on ENRICH project	
Incorporate the developed technology or its part into offering of your company/institution	
Provide consultancy	Permanent consultations for library users – scholars and students
Realize follow-up activities or projects	
Is there any other way you plan to exploit the results and experience gained during the realization of ENRICH project?	

SYS

ENRICH Project Exploitation Questionnaire	
Overview of project partner institution and its involvement in ENRICH	Description
Name of your Company or Institution	SYSTRAN S.A.
What is the main reason you are in the ENRICH project?	SYSTRAN is interested in developing tools for the translation of metadata description covering up-to-date standards & formats. TEI P5 being an open standard for manuscripts description.
Summarize the future strategy of your company/institution in the field of digital libraries	SYSTRAN has developed a TEI P5-compliant Translation Stylesheet for the Enrich needs. This Translation Stylesheet is fully customizable and can be adapted to any xml-compliant standard utilized by digital libraries wishing to integrate the multilingual module via SYSTRAN machine translation technologies.
Exploitation of outcomes of ENRICH project	Description
New version of Manuscriptorium platform in general	
TEI P5 ENRICH schema	Adapt SYSTRAN Translation Stylesheet to TEI P5 ENRICH schema
ENRICH Garage Engine	
Personal Collections	
Virtual Documents	
M-Tool online	
Multilingual tools	As examples of integration to similar needs.
Indirect ways of exploitation of ENRICH results	Description
Disseminate the knowledge and experience (in frame of institution, country, worldwide..) for example by training and education of your employees or external	Include ENRICH specific development in the SYSTRAN development success stories and disseminate via User Conferences & workshops to groups or users with similar needs.

persons	
Create new jobs or safeguard the existing ones based on ENRICH project	
Incorporate the developed technology or its part into offering of your company/institution	Include TEI P5 schema and dtd in the SYSTRAN Translation Stylesheet catalog.
Provide consultancy	
Realize follow-up activities or projects	Render available the xslt formalism developed for ENRICH to future similar projects if required.
Is there any other way you plan to exploit the results and experience gained during the realization of ENRICH project?	Provide also a generic platform which can function as a repository of rendering available via a web service for other types of content.

ULW

ENRICH Project Exploitation Questionnaire	
Overview of project partner institution and its involvement in ENRICH	Description
Name of your Company or Institution	University Library Wroclaw
What is the main reason you are in the ENRICH project?	As a Library with reach collections of manuscripts, incunabula, old prints and other historical documents, which are digitized and accessible via our digital library we identify ourselves with the aims and objectives of ENRICH Project. We are interested in being a part of virtual research environment with all its functionalities that have been created on the base of Manuscriptorium in the framework of ENRICH Project in order to facilitate the service of end-users and enable better and more comprehensive usability of our special collections.
Summarize the future strategy of your company/institution in the field of digital libraries	<p>We are the member of Federation of Polish Digital Libraries and we participate actively in the process of their improvement. We plan to develop our own digital library not only by increasing the number of digitized documents but by improvement of its functionality and dLibra software, as well. In the near future we would like to create in Polish digital libraries some kind of controlled vocabulary dictionaries or thesauri of synonyms in order to improve the quality of descriptive metadata and in consequence to make better search processes (precision and recall). Our institution is also going to make much of contribution to the development of Manuscriptorium Digital Library in the future, because we will continue to digitize historical documents from our collections and they will be acquired by Manuscriptorium. We also cooperate with Europeana Local and prepare our digital objects to be accessible in the European Digital Library.</p> <p>So, we would like to develop software, to standardize descriptive metadata (vocabulary) and to increase the number of digital objects in order to have possibility of realizing our main strategy aim: to work (act) locally and to be accessible globally at the possible best quality level.</p>
Exploitation of outcomes of ENRICH project	Description (Please describe how do you plan to exploit the main results of ENRICH project – on the level of your institution, but also on the national level)
New version of	We will use new version of Manuscriptorium platform for service

Manuscriptorium platform in general	of researchers and scientists of our University who are interested in the subject of cultural heritage. It will be very interesting for them to use all facilities created in the frame of ENRICH, i.e. making multilingual searching, making deep semantic searching, crating virtual documents and crating personal digital libraries. We hope that all these functionalities will be recognized by them as very useable. We try to find for ENRICH new, apart from Toruń University Library and Zielona Góra University Library, associated partners in Poland, who have dLibra based digital libraries and are able to cooperate with Manuscriptorium similarly like our institution and also other partners with different digital libraries who thanks to use of below mentioned ENRICH results will also be able to cooperate without problems.
TEI P5 ENRICH schema	If necessary it will be used by our Library.
ENRICH Garage Engine	If necessary it will be used by our Library.
Personal Collections	We will use them in the Library for our own goals as well as for our users' services. If it will be possible to use personal collections directly by our users (without any license restrictions, e.g. in the frame of University network) – we will make training for them and assist them.
Virtual Documents	We will use virtual documents in the Library for our professional work and own goals and for our users' services. If it will be possible to use virtual documents directly by our users (without any license limits, e.g. in the frame of University network) – we will make training for them and assist them.
M-Tool online	If necessary it will be used by our Library.
Multilingual tools	We will use them in the Library for our goals and for our users' services. If it will be possible to use multilingual tools directly by our users (without any license restrictions in the frame of University network) – we will make training for them.
Indirect ways of exploitation of ENRICH results	Description
Disseminate the knowledge and experience (in frame of institution, country, worldwide..) for example by training and education of your employees or external persons	<p>We are going to disseminate knowledge and experience about ENRICH results :</p> <ul style="list-style-type: none"> - in the Library (presentation of ENRICH results and training of professionals dealing with cultural heritage in any aspect, i.e. cataloguing, processing, digitizing, conservation, informing) ; - at University (presentation of ENRICH results and training of scientists and researchers who need to search and use historical documents of any type in their professional work; also - presentation of ENRICH results to students (1.Faculty Information Science and Librarianship, specialization – Digital libraries and 2.

	<p>Faculty of Art History, specialization – Digital protection of cultural heritage) during seminars);</p> <ul style="list-style-type: none"> - in the country (presentation of ENRICH results during conferences, workshops and meetings in order to disseminate the knowledge and to win over associated partners to ENRICH); - worldwide (presentation or discussion of ENRICH results during conferences, workshops and international meetings, as an example of an innovative solutions for scientific research carried out in the heterogeneous networked environment).
Create new jobs or safeguard the existing ones based on ENRICH project	All staff members who during the ENRICH Project duration prepared and enriched metadata will do it also in the future as a part of their professional work connected with the development of our digital library. We also plan that new librarians will be trained.
Incorporate the developed technology or its part into offering of your company/institution	Yes, the developed technology and solutions will be incorporated in the development of our digital library and used for service of end-users of our library (students, scientific workers, researchers).
Provide consultancy	Our Library intends to provide consultancy for end-users who will use solutions and facilities prepared in the framework of ENRICH (i.e. creating of virtual documents and personal collections, use of multilingual tools and carried out the deep semantic searches) and for other Polish cultural institutions (libraries, museums) that will cooperate with Manuscriptorium beta as the associated partners of ENRICH Project.
Realize follow-up activities or projects	Now, ULW participates in the realization of Europeana Local Project.
Is there any other way you plan to exploit the results and experience gained during the realization of ENRICH project?	<p>Facilities and solutions developed in the framework of ENRICH Project can be presented and recommended as the examples of innovative methods of research work and best practices in the networked environment, where it is possible through the one access point reach many different, multilingual source documents (or objects), which can be then easily divided, joined and decomposed, accordingly to the users requirements in order to create the virtually existed source of information (or object) which seems to be the best one for its creator, i.e. end-user and via networks can be fast shared with others.</p> <p>The solutions developed in ENRICH indicate new forms of the future scientific and research works and are in accordance with development trends in the scientific communication of 21st century.</p>

SAM

ENRICH Project Exploitation Questionnaire	
Overview of project partner institution and its involvement in ENRICH	Description
Name of your Company or Institution	Stofnun Árna Magnússonar í íslenskum fræðum (SAM)
What is the main reason you are in the ENRICH project?	In general the ENRICH project was a great opportunity to take up for revision our now long outdated and fossilized digital manuscript web-library Saganet, originally a cooperative project by <u>the National and University Library of Iceland</u> and <u>Cornell University</u> with the association of the <u>Árni Magnússon Institute</u> , launched in 2001, and at the same time, along with the <u>National and University Library of Iceland</u> , to join forces with <u>The Arnamagnæan Collection in Copenhagen</u> in creating a new joint TEI-P5 based digital collection of Icelandic manuscripts. The ENRICH offered also an <u>International gateway to our collection</u> .
Summarize the future strategy of your company/institution in the field of digital libraries	The new digital collection will from now on be an ongoing project which in due course will contain descriptions and images of all manuscripts and charters preserved by the Stofnun Árna Magnússonar. The TEI-P5 structured lay-out of the collection will make connections to future digital libraries relatively easy.
Exploitation of outcomes of ENRICH project	Description
New version of Manuscriptorium platform in general	The results of the ENRICH project as a whole will be available both on institutional level and national level on our web-site through connection to the new Manuscriptorium platform which opens up access to several European collections previously not available to scholars in Iceland, along with special features like Personal collections and Virtual documents which we cannot offer in our own platform for our collection.
TEI P5 ENRICH schema	Is used for describing manuscripts and prepare structural data for images.
ENRICH Garage Engine	Does not apply to our collection.
Personal Collections	See above.
Virtual Documents	See above.
M-Tool online	Does not apply to our collection. We use our own platform in creating our XML documents.
Multilingual tools	Does not apply to our collection as the Icelandic language was not included in the multilingual tools of the ENRICH project.

Indirect ways of exploitation of ENRICH results	Description
Disseminate the knowledge and experience (in frame of institution, country, worldwide..) for example by training and education of your employees or external persons	The valuable knowledge and experience accumulated during the course of the ENRICH project will be the foundation of the training and education of our employees when, after the completion of the ENRICH project, we turn to the task of working on the many manuscripts in our care that still lack digital descriptions and images.
Create new jobs or safeguard the existing ones based on ENRICH project	The present financial situation in Iceland makes it very doubtful that new jobs can be created, but hopefully the result of the ENRICH project will help us safeguard the existing ones.
Incorporate the developed technology or its part into offering of your company/institution	There are several small local archives scattered around Iceland that preserve manuscripts and we see it as our duty and as the interest of the studies of Icelandic language and literature to join forces with the National Library of Iceland, in the future, in making it possible for these archives to create and include descriptions and images of their manuscripts in the <u>new joint TEI-P5 based digital collection of Icelandic manuscripts</u> .
Provide consultancy	We will in near future offer and provide consultancy to interested parties that want to join us in making the Icelandic manuscript heritage available to the scholarly community and the public at large.
Realize follow-up activities or projects	We see the result of the ENRICH project as a great potential for many future projects. On one hand there is vast information that still needs to be added or can be added to our existing digital collection to cover the field, which in itself could be an initiative to several target-orientated projects. On the other hand various research projects can be based on the information already accumulated there along with what will be added in the future, which can be extracted in various combined ways.
Is there any other way you plan to exploit the results and experience gained during the realization of ENRICH project?	.

UZK

ENRICH Project Exploitation Questionnaire	
Overview of project partner institution and its involvement in ENRICH	Description
Name of your Company or Institution	Universität zu Köln
What is the main reason you are in the ENRICH project?	The University has joined the ENRICH project to augment the visibility of the cultural heritage servers which have in recent years been created by a number of its chairs, notably the chair for Humanities Computer Science and the Research Archive for Archaeology, This was to be achieved by the creation of interfaces on top of existing server structures.
Summarize the future strategy of your company/institution in the field of digital libraries	The chair for Humanities Computer Science is currently engaged in the following digital library related projects / initiatives: # German Virtual Chartulary. # Derivation of generalized software tool for the distributed and collaborative editing of medieval sources, derived from the platform prepared for the chartulary. # Preparation for a state-wide portal / long term preservation facility for the State of North-Rhine-Westphalia. # Creation of CRM based virtual illustration archive.
Exploitation of outcomes of ENRICH project	Description
New version of Manuscriptorium platform in general	To be integrated into teaching and popularization activities in the cultural heritage projects of the chair.
TEI P5 ENRICH schema	To be used as platform for future digitization projects.
ENRICH Garage Engine	To be tested in the context of virtual chartulary.
Personal Collections	No immediate exploitation plans.
Virtual Documents	No immediate exploitation plans.
M-Tool online	To be used for teaching.
Multilingual tools	To be used as starting point for the further development of other multilingual platforms in other sectoral domains.
Indirect ways of exploitation of ENRICH results	Description
Disseminate the knowledge and experience (in frame of institution, country,	The experience gained from the project enter directly into the further development of the curricula at Cologne, both in the context of the general curriculum of Humanities Computer Science, as well as in the more generalized "IT Certificate for the

worldwide..) for example by training and education of your employees or external persons	Humanities", which it offers as a diploma supplement relevant certificate for all students of the Arts faculty.
Create new jobs or safeguard the existing ones based on ENRICH project	The CRM / translation related activities and jobs are continued directly within the research archive for archaeology. The jobs and activities related to the handling of manuscripts and charters will be continued within the projects mentioned in the paragraph "Summarize the future strategy ...".
Incorporate the developed technology or its part into offering of your company/institution	All projects mentioned in the paragraph entitled "Summarize the future strategy ..." draw on technologies developed within ENRICH.
Provide consultancy	No immediate plans.
Realize follow-up activities or projects	See above
Is there any other way you plan to exploit the results and experience gained during the realization of ENRICH project?	<i>No immediate plans.</i>

DSP

ENRICH Project Exploitation Questionnaire	
Overview of project partner institution and its involvement in ENRICH	Description
Name of your Company or Institution	Diözesanarchiv St. Pölten
What is the main reason you are in the ENRICH project?	As a content partner we contribute metadata and images of charters and manuscripts to the Manuscriptorium platform. The most positive aspect of being an ENRICH-partner is the benefit from the provided technical environment of presenting historical sources in the internet.
Summarize the future strategy of your company/institution in the field of digital libraries	We plan further digitization activities, also with other historical material (e.g. church books of birth, death, marriages), and we intend to use existing platforms to present the digital content. We are not planning to create our own digital library but to link to different web-based portals.
Exploitation of outcomes of ENRICH project	Description
New version of Manuscriptorium platform in general	We want to set a link from our website to the Manuscriptorium platform and especially to the St. Pölten-repository, so that researchers can navigate through our manuscript collection.
TEI P5 ENRICH schema	We will refer other institutions and libraries in Austria to this development.
ENRICH Garage Engine	We will refer other institutions and libraries in Austria to this development.
Personal Collections	The personal / thematic collections enable institutions or researchers to create their own digital library composed of various manuscripts which are scattered in different countries. It is now possible to create a new digital library of all manuscripts which were owned by the former Augustinian monastery in St. Pölten (the manuscripts are kept in different archives in Austria).
Virtual Documents	The possibility of creating virtual documents opens new fields of scientific work. For example the illuminations or the musical notations of different manuscripts can now easily be compared and analyzed.
M-Tool online	We want to use M-Tool online for the further integration of descriptive metadata in the field of manuscripts, incunabula and early printed books if these data are available in an unstructured form or have to be newly created. We will recommend this tool to other Austrian institutions which want

	to contribute to Manuscriptorium or which are searching for an adequate system of presenting their data.
Multilingual tools	We will use this tool especially for translation activities.
Indirect ways of exploitation of ENRICH results	Description
Disseminate the knowledge and experience (in frame of institution, country, worldwide..) for example by training and education of your employees or external persons	We will continuously promote the developed tools of ENRICH in conferences and speeches regarding digital libraries or digitization activities in cultural institutions in general. We want to call attention to the advantages of being a partner of Manuscriptorium and of using the developed technologies: institutions don't have to create their own system and database and online presentation tools.
Create new jobs or safeguard the existing ones based on ENRICH project	-----
Incorporate the developed technology or its part into offering of your company/institution	We will promote the technology to other church institutions and monasteries which own manuscripts.
Provide consultancy	We feel responsible for further promotion activities in Austria and we want to be the contact institution for ENRICH related questions.
Realize follow-up activities or projects	We will stay in contact especially with the Austrian National Library and the Commission for Paleography and Codicology of Medieval Manuscripts in Austria for further discussions about a partnership with Manuscriptorium.
Is there any other way you plan to exploit the results and experience gained during the realization of ENRICH project?	-----

NULI

ENRICH Project Exploitation Questionnaire	
Overview of project partner institution and its involvement in ENRICH	Description
Name of your Company or Institution	Landsbókasafn Íslands – Háskólabókasafn / National and University Library of Iceland (NULI)
What is the main reason you are in the ENRICH project?	The ENRICH project gave us at NULI a very welcomed opportunity to remake and update our electronic manuscript descriptions from MARC to TEI P5. Another reason was to remake our images collection in better format. To have all our data in well structured TEI P5 format – that will help us to make all this available to bigger audience; international gateway to our collection. Finally to advance our electronic cataloguing and describing of manuscripts.
Summarize the future strategy of your company/institution in the field of digital libraries	There is an ongoing project of digitizing a one manuscript collection in NULI, the 189 manuscripts from the ÍBR collection. Then there is this service of digitizing manuscripts for users. Finally building up in cooperation with Árni Magnússon Institution in Iceland and The Arnamagnæana Collection in Copenhagen a digital TEI P5 union catalogue of Icelandic and/or Nordic manuscripts, and attaching images to it.
Exploitation of outcomes of ENRICH project	Description
New version of Manuscriptorium platform in general	Can be used to make our collection of Icelandic manuscripts available to bigger audience worldwide, and we will also get information, as researchers, about manuscripts in other repositories that were unknown to scholars.
TEI P5 ENRICH schema	Will be used for describing manuscripts and make structural data for images.
ENRICH Garage Engine	Does not apply to our collection.
Personal Collections	Useful to hold search results from many different repositories together in one place if they are needed to be used again.
Virtual Documents	Same as above.
M-Tool online	Does not apply to our collection. We use our own platform in creating our XML documents.
Multilingual tools	Does not apply to Icelandic.
Indirect ways of exploitation of ENRICH results	Description
Disseminate the	The work that has been done during the course of the ENRICH

knowledge and experience (in frame of institution, country, worldwide ...) for example by training and education of your employees or external persons	project has established a good ground for continuing electronic cataloguing and describing of historical manuscripts. The project has been a good ground for training and educating the staff of the library in making and correcting TEI P5 records.
Create new jobs or safeguard the existing ones based on ENRICH project	Due to the financial situation in Iceland no new positions will be created; only the current staff of the manuscript department will continue working and safeguarding the data for the ENRICH project.
Incorporate the developed technology or its part into offering of your company/institution	It is our long time goal to have other Icelandic institutions – for example local archives, keepers of historical manuscripts – to participate in building a one union catalogue of Icelandic manuscripts. These descriptions will be in a TEI P5 format. This also applies to digital images and access to them.
Provide consultancy	If local archives, or other Icelandic institutions, that have Icelandic manuscripts in there holding are willing to participate in building a joint union catalogue, we will provide consultancy.
Realize follow-up activities or projects	The ENRICH project has been a good starting point for specialized cataloguing and describing activities in NULI. Some of them will be done in collaboration with Stofnun Árna Magnússonar and The Arnemagnæana Collection. To name some examples: Icelandic Verses in manuscripts; Scribes and Autographs and Music in manuscripts. All this can be handled within the TEI P5 schema.
Is there any other way you plan to exploit the results and experience gained during the realization of ENRICH project?	

BNE

ENRICH Project Exploitation Questionnaire	
Overview of project partner institution and its involvement in ENRICH	Description
Name of your Company or Institution	Biblioteca Nacional de España
What is the main reason you are in the ENRICH project?	To share experiences with Institutions that held the same kind of material.
Summarize the future strategy of your company/institution in the field of digital libraries	The BNE is going to increase the special material included in its Biblioteca Digital Hispánica. At the same time it is working in the implementation of added value services and the improvement of searching and retrieval of information.
Exploitation of outcomes of ENRICH project	Description
New version of Manuscriptorium platform in general	We are going to give a common answer to the different questions. We are going to include a link in our Digital Library to Manuscriptorium in order to improve the services to our users, but, as we are improving a lot the tools that we use in our Digital Library.
TEI P5 ENRICH schema	
ENRICH Garage Engine	
Personal Collections	
Virtual Documents	
M-Tool online	
Multilingual tools	
Indirect ways of exploitation of ENRICH results	Description
Disseminate the knowledge and experience (in frame of institution, country, worldwide..) for example by training and education of your employees or external persons	Unless we clarify the future of ENRICH, we are not going to perform any of the listed activities.
Create new jobs or safeguard the existing	

<p>ones based on ENRICH project</p>	
<p>Incorporate the developed technology or its part into offering of your company/institution</p>	
<p>Provide consultancy</p>	
<p>Realize follow-up activities or projects</p>	
<p>Is there any other way you plan to exploit the results and experience gained during the realization of ENRICH project?</p>	<p>Please insert here if you have some other ideas how the results of ENRICH could be exploited.</p>

ENRICH Project Exploitation Questionnaire	
Overview of project partner institution and its involvement in ENRICH	Description
Name of your Company or Institution	Budapest University of Technology and Economics National Technical Information Centre and Library
What is the main reason you are in the ENRICH project?	It gave us the opportunity to make public the most valuable documents from our already existing catalog of rare books by joining in the project of Manuscriptorium. At the same time we also gained the possibility to have access to documents from other collaborating partners.
Summarize the future strategy of your company/institution in the field of digital libraries	We want to be substantial e-book and e-journal library at the national level. To reach this aim, we seek partners, especially in the area of making a rather complete e-journal and e-reference book collections in the specialty area of the Library. Under this hood we also plan to complete the digitization of the remaining old and rare books.
Exploitation of outcomes of ENRICH project	Description
New version of Manuscriptorium platform in general	<p>The multilingual user interface of the new Manuscriptorium platform provides easier access to information on cultural heritage and history of other European regions written in the supported languages.</p> <p>This way researchers and students of historical interest can not only reach information but will also be able to capture information written on languages they may lack knowledge of.</p> <p>Based on the feedback from our evaluators of certain work packages, students (who will certainly be researchers of the fields Manuscriptorium concerns) would be happy to use the personal collections feature as well as the basic interface.</p> <p>To support exploitation in the ways given above our institution would be happy to spread info on the Manuscriptorium platform on the institutional and national level.</p>
TEI P5 ENRICH schema	Being contents partner of the ENRICH project, our aim is to develop contents rather than develop services on the available contents. For now we don't see any direct use of the TEI P5 ENRICH schema on our side.
ENRICH Garage Engine	<p>The particular Garage Engine might be used to create short, supporting pdf of some documents' metadata for some occasions (e.g. anniversaries, year of sg., other events etc.).</p> <p>Each such application of the Manuscriptorium content and Garage Engine will be done certainly so that not to hurt any</p>

	license statements and not to raise any copyright issues.
Personal Collections	As the personal collections feature is of highest benefit for end users, we could only give them support on these matters should they require it.
Virtual Documents	As the virtual documents feature is of highest benefit for end users (especially for lecturers), we could only give them support on these matters if required.
M-Tool on-line	For further content development we plan to use the special, XML-based format (and the associated transformation) that was also developed during the project for our collections. In case of new content partners coming from Hungary we would suggest them to use M-Tool on-line if we see it would fit their needs and available resources.
Multilingual tools	For end-users this is a major feature. As the system lacks support for the Hungarian language, users on the national level would need to know some languages supported by the multilingual component of the system. But still on this support level multilingual tools are highly beneficial for end users.
Indirect ways of exploitation of ENRICH results	Description
Disseminate the knowledge and experience (in frame of institution, country, worldwide..) for example by training and education of your employees or external persons	We have already made available the Manuscriptorium page through the Library home page, where we also plan to publish some more info in the project, outcomes and related events. That will disseminate knowledge both at institutional and national level. We plan to give assistance and support when needed for researchers, students and other special collections librarians. We train our colleagues working in the public information service, to be able to provide the above assistance tasks.
Create new jobs or safeguard the existing ones based on ENRICH project	The ENRICH project did not create new jobs in our Library. As we can foresee, this will also be the case in the future. However, colleagues who had concerns and interest in rare books could complete this job and found intellectual pleasure in it, and definitely advanced in the topic of creating metadata of old and rare books.
Incorporate the developed technology or its part into offering of your company/institution	Manuscriptorium provides more advanced means of storing and providing information about images, full texts of the documents than our present system, therefore we are willing to continue this, as a logical subsystem to our current OPAC.
Provide consultancy	Should potential content partners from Hungary need consultancy regarding Manuscriptorium, our institution would be happy to consult with the potential partners' experts to find the optimal way of cooperation.
Realize follow-up	We and our associated partners plan to complete the digitization

activities or projects	of remaining documents falling into the area of Manuscriptorium.
Is there any other way you plan to exploit the results and experience gained during the realization of ENRICH project?	

ENRICH Project Exploitation Questionnaire	
Overview of project partner institution and its involvement in ENRICH	Description
Name of your Company or Institution	Instytut Chemii Bioorganicznej PAN - Poznańskie Centrum Superkomputerowo-Sieciowe (Poznan Supercomputing and Networking Centre)
What is the main reason you are in the ENRICH project?	Facilitate the use of resources from Polish digital libraries and increase of the visibility and popularity of resources from Polish digital libraries in the Internet. Increased interoperability of dLibra digital library framework developed by PSNC.
Summarize the future strategy of your company/institution in the field of digital libraries	Future strategy includes integration of Polish digital resources on the European level through the Europeana portal which will make the resources more visible and available for any use, development of advanced network services for the end users based on the available digital resources, making the resources available in appropriate form for various advanced research and analysis activities, development of advanced tools which could help researchers to perform detailed analysis of available resources, detailed investigation of the heterogeneous metadata and content aggregation issues including those connected with ontologies, language analysis, thesauri building and discovery and delivery of digital objects. PSNC aims at investigation of all of the above issues in respect to horizontal problems such as appropriate infrastructure. This have to be addressed not only to digital libraries as content holder, but also to research tools, dedicated network services and advanced research environments which make researchers collaboration more effective therefore productive.
Exploitation of outcomes of ENRICH project	Description
New version of Manuscriptorium platform in general	Manuscriptorium platform will act as the integrating point of particular (manuscripts, old printed book, etc.) Polish digital resources therefore visibility and popularity of Polish digital resources will be obviously increased.
TEI P5 ENRICH schema	It might be used to present metadata and structural data of digital objects stored in Polish digital libraries, as a supplement to currently available METS standard.
ENRICH Garage Engine	The tool is planned to be used for various transformation of documents and metadata that are stored or presented by the dLibra digital library or Digital Libraries Federation, both developed and maintained by PSNC.

Personal Collections	
Virtual Documents	
M-Tool online	
Multilingual tools	
Indirect ways of exploitation of ENRICH results	Description
Disseminate the knowledge and experience (in frame of institution, country, worldwide..) for example by training and education of your employees or external persons	The issues, outcomes and knowledge gained thanks to cooperation within the ENRICH project will be mostly disseminated on the national and international conferences and facilitated when cooperating with various partners in other projects (e.g. EuropeanLocal, Interedition).
Create new jobs or safeguard the existing ones based on ENRICH project	
Incorporate the developed technology or its part into offering of your company/institution	Various outcomes, in terms of technology and tools, of the ENRICH project will be or are currently used by PSNC. This includes the OAI-PMH extensions allowing for query based selective harvesting of digital objects, presentation of descriptive, structural and technical metadata of digital objects using the METS standard, and finally developed ENRICH Garage Engine tool for transformation of data objects. Additionally, PSNC plans to use the OAI-PMH extension idea for the needs of Digital Libraries Federation (http://fbc.pionier.net.pl/) – this will make it possible for external projects (e.g. DRIVER, NDLTD) to selectively harvest metadata of digital objects at a national (Polish) level. The tools constituting Digital Libraries Federation are packaged and ready to use by other institution interested in building national/regional aggregators. This package, which includes the OAI-PMH extension, is currently a basis for the ACCESS-IT project (works to Accelerate the Circulation of Culture through Exchange of Skills in Information and Technology) with PSNC as a main technical partner.
Provide consultancy	
Realize follow-up activities or projects	ENRICH Garage Engine tool will be maintained and developed by PSNC as a follow-up activity of the ENRICH project. The tool seems to be interesting for broader community of users; therefore PSNC plans to successively improve it.
Is there any other way you plan to exploit the results and experience	The solution developed in frame of the ENRICH project – OAI-PMH protocol extension – is successfully used by the CACAO project for selective harvesting of digital objects metadata from

gained during the realization of ENRICH project?	Wielkopolska Digital Library in Poland (http://www.wbc.poznan.pl/).
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