
The Slavonic Metaphrasis of Byzantine Orthodoxy. A Digital Inventory of South Slavonic Translation Literature applied to Research on Translated Authority and Linked Texts

A Data Management Plan created using DMPonline.be

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Project abstract:

Medieval Slavonic literature consists mostly of translations of Byzantine Greek works. It is a normative literature deeply imbued with a sense of tradition and religious and textual orthodoxy, but at the same time it is the product of the inherently transformative process of translation (metaphrasis). With this project we address these normative and transformative tendencies that have shaped the textual culture of the Slavonic Middle Ages. We study textual authority and the role of the Byzantine 'florilegic habit' in Greek-Slavonic translation literature and develop digital tools, drawing on the life's work of one of the most renowned modern scholars of Slavonic literature. From 1975 until his death, Francis Thomson (1935-2021) prepared a catalogue of Greek-Slavonic translation literature: his work resulted in an unpublished Cartotheca of more than 100,000 handwritten index cards. We will publish this archive in an OA database and in a virtual reading room. Our Weave partner at Innsbruck will transform a specific section (the Author Index) into a Semantic MediaWiki, creating an OA expandable reference tool of Greek-Slavonic translation literature in the south Slav region from the 9th century to the Ottoman conquest. Our project, which combines expertise in Slavonic studies, Byzantine literature and DH, will publish documents of academic history in their pristine form, carry out new research and create digital tools that enable further research.

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The Slavonic Metaphrasis of Byzantine Orthodoxy. A Digital Inventory of South Slavonic Translation Literature applied to Research on Translated Authority and Linked Texts
FWO DMP (Flemish Standard DMP)

1. Research Data Summary

List and describe all datasets or research materials that you plan to generate/collect or reuse during your research project. For each dataset or data type (observational, experimental etc.), provide a short name & description (sufficient for yourself to know what data it is about), indicate whether the data are newly generated/collected or reused, digital or physical, also indicate the type of the data (the kind of content), its technical format (file extension), and an estimate of the upper limit of the volume of the data.

				Only for digital data	Only for digital data	Only for digital data	Only for physical data
Dataset Name	Description	New or reused	Digital or Physical	Digital Data Type	Digital Data format	Digital data volume (MB/GB/TB)	Physical volume
		<i>Please choose from the following options:</i> <ul style="list-style-type: none"> • Generate new data • Reuse existing data 	<i>Please choose from the following options:</i> <ul style="list-style-type: none"> • Digital • Physical 	<i>Please choose from the following options:</i> <ul style="list-style-type: none"> • Observational • Experimental • Compiled/aggregated data • Simulation data • Software • Other • NA 	<i>Please choose from the following options:</i> <ul style="list-style-type: none"> • .por, .xml, .tab, .csv, .pdf, .txt, .rtf, .dwg, .gml, ... • NA 	<i>Please choose from the following options:</i> <ul style="list-style-type: none"> • <100MB • <1GB • <100GB • <1TB • <5TB • <10TB • <50TB • >50TB • NA 	
Physical index cards (PhysCRDS)	Collection of index cards, handwritten by Francis Thomson	reuse existing data	physical	-	-	-	c. 100 000 cards, stored in 56 card boxes
Digital images of the cards (DigCRDS)	The files that result from scanning the physical cards	reuse existing data & generate new data	digital	Other	.tif .jpg	<5TB <100GB	-
Cards metadata (MD)	The annotation/data added to the digital images of the cards as managed in Leuven in DAM system Canto	generate new data	digital	Other	.csv .txt	<1GB	-

Leuven research team work documents (LrtWD)	All documents that result from the work of the Leuven research team (viz. doctoral student, PT's, technical staff) and are the basis of the ensuing scholarly publications including the PhD thesis (e.g. tables, collations, structured notes, bibliography, etc.)	reuse existing data & generate new data	digital	compiled/aggregated	.docx, .pdf, .ris, .rdf, .mdb ...	<100GB	
INNSBRUCK part NB A detailed DMP explicitly for this part of the project was created and submitted to FWF, who approved it. Digital text, output of processing the cards with Transkribus (TrnsCRDS)	Scans of some 15400 handwritten index cards which are transformed by Transkribus AI-powered software transformed into electronically processable and searchable text files.	reuse existing (handwritten index cards stored in Canto) & generate new data (electronically processable and searchable text files, generated by Transkribus software)	digital	compiled/aggregated	.jpg, .xml	<100GB (Around 3MB per index card, so a total volume of some 46,2 GB)	

If you reuse existing data, please specify the source, preferably by using a persistent identifier (e.g. DOI, Handle, URL etc.) per dataset or data type:

- **PhysCRDS**: Francis Thomson's card index of c. 100 000 handwritten index cards, donated to the KU Leuven Libraries by the Thomson heirs (cf. legal gift deed signed 5/5/2023);
- **DigCRDS**: Digital images of the cards that have already been scanned, stored, and organised in DAM system Canto before the beginning of the project (<https://kuleuven.canto.global/v/thomsonindex> - password protected)
- **TrnsCRDS**: Digital images of the cards that have already been scanned, stored, and organised in DAM system Canto before the beginning of the project (<https://kuleuven.canto.global/v/thomsonindex> - password protected)

Are there any ethical issues concerning the creation and/or use of the data (e.g. experiments on humans or animals, dual use)? Describe these issues in the comment section. Please refer to specific datasets or data types when appropriate.

- No

There are no ethical issues concerning the creation and/or use of the data (e.g. experiments on humans or animals, dual use).

Will you process personal data? If so, briefly describe the kind of personal data you will use in the comment section. Please refer to specific datasets or data types when appropriate.

- No

No personal data will be processed.

Does your work have potential for commercial valorization (e.g. tech transfer, for example spin-offs, commercial exploitation, ...)? If so, please comment per dataset or data type where appropriate.

- No

No. For the use of Francis Thomson's card index (**PhysCRDS**, which have been donated to the KU Leuven Library collections by the Thomson heirs + their digital images and derived text files **DigCRDS** + **TrnsCRDS**) we have committed ourselves to acknowledge Francis Thomson's moral author rights and not to seek any financial gain from the card's use and publication.

LrtWD: The data do not have potential for commercial valorization.

Do existing 3rd party agreements restrict exploitation or dissemination of the data you (re)use (e.g. Material/Data transfer agreements/ research collaboration agreements)? If so, please explain in the comment section to what data they relate and what restrictions are in place.

- Yes

The required measures have been taken, in consultation with the Thomson heirs and the legal department of the KU Leuven, to guarantee the ethically correct use of the Thomson card index (**PhysCRDS** + **DigCRDS** + **TrnsCRDS**). The legal gift deed that arranges the donation stipulates that the cards be used exclusively for education, research, and social services, and that any related publication, including the planned OA database, acknowledge Francis Thomson's moral author rights. No member of the research team is to seek financial gain from the use or publication of the cards.

Moreover, a consortium agreement has been drawn up between Prof. J. Fuchsbauer / Universität Innsbruck (WEAVE Lead Partner) and KU Leuven (WEAVE Collaborating Partner) which sets out the terms under which the research partners shall perform the project. An agreement about data processing and data sharing will be concluded between the project partners in the near future (planned meeting on July 1. at Innsbruck) (cf. consortium agreement document under 6. Data protection).

LrtWD: Cf. collaboration agreement; further no 3rd party agreements that restrict exploitation or dissemination of the data.

Are there any other legal issues, such as intellectual property rights and ownership, to be managed related to the data you (re)use? If so, please explain in the comment section to what data they relate and which restrictions will be asserted.

- Yes

The legal gift deed (cf. above) stipulates the conditions of use of Francis Thomson's card index (**PhysCRDS** + **DigCRDS** + **TrnsCRDS**) under 5. and 6., granting KU Leuven right of use, viz. permission to digitize and extend access to the physical cards in the way it sees fit. This right applies solely within the context of KU Leuven's triple mission of education, research, and social service, and implies that Francis Thomson's moral author rights as author of the card index be respected and his name be mentioned.

LrtWD: There are no other legal issues, such as intellectual property rights and ownership, to be managed related to the data.

2. Documentation and Metadata

Clearly describe what approach will be followed to capture the accompanying information necessary to keep data understandable and usable, for yourself and others, now and in the future (e.g., in terms of documentation levels and types required, procedures used, Electronic Lab Notebooks, README.txt files, Codebook.tsv etc. where this information is recorded).

As for usability of our data, we endorse the FAIR principles, that is, we want to keep our data Findable, Accessible, Interoperable, and Reusable:

PhysCRDS: the cards have entered the library collections of the KU Leuven, which through the gift deed (cf. above) is bound to preserve them and make them accessible. The card index will be housed and catalogued by the KU Leuven libraries, so that the cards can be found in LIMO, accessed physically, and used by any user of the library.

DigCRDS: the image files made by the KU Leuven Libraries Digitization dept. are/will be stored as .jpg, organized, and annotated (and later published OA) in DAM system Canto. The system is deployed and managed by the Digitization Department of KU Leuven Libraries. The files are/will be enriched with metadata (**MD**) – viz. transcripts of the text on the cards, descriptive information (author, title, incipit etc.), reference work identifiers (*CPG*, *BHG* a.o.) – in Canto metadata fields, to make them findable, accessible and easy to (re)use for various purposes.

The files are/will be organized in Canto in a tree structure of collections and folders. The sub-collections of the card index are: (1) the bibliography, (2) the author index, (3) the incipitarius, and (4) the thematic index. Of these, (1-3) are ordered alphabetically and (4) is organized in thematical collections with further subdivisions. Structured organization and metadata within Canto will turn the bulk of digital images into an accessible and easily (re)usable database, searchable by means of the tree structure, list view settings, tags, and metadata queries.

A portal website, thomsonindex.org, will function as a gateway for the database through a link that will bring the user to the Canto environment. The portal website will contain a user manual with background information and instructions how to use the database.

LrtWD: Data will be stored according to the principles of FAIR-data. The information that is needed to understand and reuse data will be documented in README.txt files, (one for each set of data, accessible in the same file as the data), following the template and recommendations provided by KU Leuven (<https://www.kuleuven.be/rdm/en/guidance/documentation-metadata/README>).

INNSBRUCK

TrnsCRDS will be used to create a Semantic Media Wiki, a searchable, expandable and Open Access reference tool for Greek-Slavonic translation literature organized by translated author. It will use Francis Thomson's handwritten author index as a basis and open it up for quantitative and qualitative research.

This database will have the format of a Semantic MediaWiki (SMW). SMW is a free, open-source extension of MediaWiki, the wiki software behind Wikipedia. It allows one to store and query data within wiki pages (https://www.semantic-mediawiki.org/wiki/Semantic_MediaWiki). Each [Author] will be represented in one article (i.e., page in the wiki), structured as follows: author's name, lifespan, the Latin titles of his original works that were translated into Slavonic (intabularized, alphabetical order), and for each [Work], a sub-table of the Slavonic translation or translations. Each row in this table will open another article within the wiki, which will contain details on the respective [Work] or [Translation]. Each article will include metadata useful for querying, as well as a link to the scanned images of Francis Thomson's cards in Canto

Will a metadata standard be used to make it easier to find and reuse the data? If so, please specify (where appropriate per dataset or data type) which metadata standard will be used. If not, please specify (where appropriate per dataset or data type) which metadata will be created to make the data easier to find and reuse.

- No

MD: As there is no metadata standard for this type of data, we use custom metadata fields in DAM system Canto. These include:

- (*Transkribus* generated) transcripts;
- Descriptive information (author name, title, standard title, incipit, ...) depending on the nature (subcollection) of the cards;
- Reference work identifiers (*CPG* and *BHG* numbers, a.o.) and permalinks (*IRHT Pinakes* author and work permalinks).

LrtWD: No metadata standard will be used.

INNSBRUCK

For the semantic Media Wiki we will enter the **TrnsCRDS** data into the forms prepared in the wiki. We will tag these data to create the semantic relationships needed for advanced queries and drilldowns. For the text portions, we will mark up relevant portions using custom MediaWiki template tags, which will essentially correspond to TEI XML nodes. The Mediawiki templates can be modified in a way that this metadata can be exported into an XML format, which corresponds to the TEI P5 guidelines (TEI P5 2021:463).

3. Data storage & back-up during the research project

Where will the data be stored?

PhysCRDS: The physical index cards were donated by the Thomson heirs to the KU Leuven Libraries (Special collections), where they are and will be physically stored, as stipulated in the legal gift deed of 5/5/2023, under 3 (with the restriction that some parts of the card index can be stored at the Greek Studies Department for as long as required by ongoing research).

DigCRDS & MD: (1) the card images (in .jpg format) and their annotation (including the **TrnsCRDS** transcriptions) are/will be stored in DAM system Canto, deployed and managed by the Digitization Department of KU Leuven Libraries, so the data (consultation copy and metadata) is safely managed in a cloud-based system with backup provided, and (2) a 'clean copy' of the scans (in .tif format) will be stored on

KU Leuven's Active Data Management Platform ManGO (<https://icts.kuleuven.be/sc/english/storage/mango#hoeveel>).

LrtWD: Data will be stored on OneDrive (KU Leuven).

INNSBRUCK

The Semantic Media Wiki data will be continuously stored and backed up at a server of University of Innsbruck, which is daily backed up by the Central Informatic Service (ZID) of

UIBK (<https://www.uibk.ac.at/zid/abteilungen/zs/storage/datenbackup.html>). Also the SMW (semantic media wiki) will be hosted on a server of University of Innsbruck.

How will the data be backed up?

PhysCRDS: the digital images of the scanned cards can be considered a kind of backup of the physical cards (and the other way around);

DigCRDS: see also question above: (1) Canto is a cloud-based system with backup provided, and (2) a 'clean copy' of the scans (in .tif format) will be stored on ManGO;

MD (incl. **TmsCRDS**): Canto is a cloud-based system with backup provided;

LrtWD: Data will be backed up with a standard back-up provided by KU Leuven ICTS storage solution.

INNSBRUCK

Cf. previous question. The servers are maintained and monitored by IT professionals at University of Innsbruck and are equipped with advanced security measures.

Is there currently sufficient storage & backup capacity during the project? If yes, specify concisely.

If no or insufficient storage or backup capacities are available, then explain how this will be taken care of.

- Yes

The volume of our data sets is only an issue for **DigCRDS**, not so much for regular use in Canto (estimated volume in .jpg c. 75 GB), but rather for the 'clean copy' we intend to store for backup / archival purposes (estimated volume in .tif c. 1,5 TB). This is not a problem for the duration of the project, as we can store the files on ManGO (basic volume of 1 TB per project group free of charge; further storage €35 per TB per year).

LrtWD: All data will be stored on the OneDrive cloud storage of KU Leuven, which provides 2 TB/researcher. This will be sufficient for the project.

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Cf. previous questions.

How will you ensure that the data are securely stored and not accessed or modified by unauthorized persons?

For secure storage and back-up, see supra.

DigCRDS and **MD** (incl. **TmsCRDS**): For the data sets in Canto, its granular user management system ensures layered and password protected access.

LrtWD: Data will be stored securely and access or modification by unauthorized persons will be blocked: personal device and the OneDrive for Business are password- and authenticator-protected (MFA).

INNSBRUCK

During the project only authorised persons (PI, postdoctoral fellow, PhD's and technical staff of University of Innsbruck) will have access to the data which will be implemented to the SMW

What are the expected costs for data storage and backup during the research project? How will these costs be covered?

PhysCRDS: no costs;

DigCRDS & MD (incl. **TmsCRDS**): during the project Canto's yearly fee of € 2,420 (budgeted in the project: € 9,680 [= 4x € 2,420]) and ManGO (1 TB free of charge, further storage €35 per TB per year can be funded on project budget € 140 [= 4x € 35]);

LrtWD: No additional costs are expected for data storage and backup during the research project: All data will be stored on the OneDrive cloud storage of KU Leuven, which provides 2 TB/researcher. This will be sufficient for the project.

INNSBRUCK

No additional costs are expected.

4. Data preservation after the end of the research project

Which data will be retained for at least five years (or longer, in agreement with other retention policies that are applicable) after the end of the project? In case some data cannot be preserved, clearly state the reasons for this (e.g. legal or contractual restrictions, storage/budget issues, institutional policies...).

We intend to preserve our data according to KU Leuven RDM policy, which states that relevant research data must be retained for a minimum of 10 years in a safe, secure and sustainable way for reproducibility, verification and potential reuse. (Some data may contain copyrighted materials, to be preserved in a way that prevents unauthorized access.)

PhysCRDS have become a permanent part of the KU Leuven libraries collections, which implies that they will be preserved and remain accessible for 10 years after the end of the project, and longer.

We commit ourselves to preserve **DigCRDS** and keep them available online (OA) for at least 10 years after the end of the project:

(1) We intend to keep the database up and running for as long as funding allows, either within Canto (which is in the cloud), managed by the KU Leuven Digitization department, or in another digital environment. Apart from the possibility of future funding through follow-up projects, we can rely on some additional funding from the Francis J. Thomson Legacy Project (<https://www.kuleuven.be/fundraising/projects/professor-francis-j-thomson-legacy-project>), established in the Spring of 2021 with the aim to preserve, digitize and extend access to Francis Thomson's card index, as a way to secure his academic legacy.

(2) Moreover, we will move a 'clean copy' of the card images (.tif) from the ManGO platform to KU Leuven Research Data Repository RDR (<https://www.kuleuven.be/rdm/en/rdr>).

MD: The metadata will also be published in RDR as .csv files. After conversion to .csv the data are suitable for reuse by anyone as Linked Open Data.

LrtWD: All data will be preserved for 10 years according to KU Leuven RDM policy.

INNSBRUCK

We will archive the raw-/masterdata from Transkribus / **TrnsCRDS** in the institutional researchdata repository from University of Innsbruck <https://researchdata.uibk.ac.at/>. We will publish the metadata and assign a DOI. All published Data will be licensed under **HYPERLINK** (<https://creativecommons.org/licenses/by/4.0/deed.en>) CC BY 4.0

Where will these data be archived (stored and curated for the long-term)?

See also question above:

PhysCRDS: KU Leuven libraries, Special Collections dept.;

DigCRDS, MD (incl. TrnsCRDS), LrtWD: All these data will be archived on KU Leuven RDR.

INNSBRUCK

We will publish final edited data as Semantic Media Wiki under CC-BY license and link to existing scans of the handwritten index cards in the Digital Asset Management system Canto at University of Leuven.

What are the expected costs for data preservation during the expected retention period? How will these costs be covered?

PhysCRDS: no costs;

DigCRDS & MD: For RDR there are no costs up to 50GB per year (and costs for long term data storage on a KU Leuven server have been budgeted in the project anyway, viz. for 5 years after the project, € 1,800).

If additional funding will be available through the Francis Thomson Legacy Fund and/or (a) follow-up project(s), the Canto database will be kept operational (yearly fee € 2,420).

LrtWD: No additional costs are expected for data preservation during the expected retention period. The data will be preserved by storing it on KU Leuven RDR. Every user can publish up to 50GB per year. I do not expect the data to exceed this limit. If not, costs for extra storage will be covered by the bench fee of the researcher.

INNSBRUCK

Innsbruck: no additional costs, since all needed resources are provided by University of Innsbruck.

5. Data sharing and reuse

Will the data (or part of the data) be made available for reuse after/during the project? In the comment section please explain per dataset or data type which data will be made available.

- Yes, in an Open Access repository
- Yes, in a restricted access repository (after approval, institutional access only, ...)

See also above.

PhysCRDS: as a permanent part of the KU Leuven Special Collections dept. the cards are/will be continuously available for scholarly (re)use, both during and after the project;

DigCRDS & MD (incl. TmsCRDS): during the project the card images will gradually become available OA (as .jpg) in a database in the Canto environment, openly accessible through a link on our portal website thomsonindex.org. In Canto users can view and share the cards. After the project, we intend to keep the database up and running for as long as funding allows, either in Canto or in another digital environment.

After the project both datasets (images as .tif and metadata as .csv files) will be accessible on RDR. After conversion to .csv the metadata (**MD**) are suitable for reuse by anyone as Linked Open Data. The card images (**DigCRDS**) remain accessible (as .tif files) to the project PI's, who can decide at any time to make (part of) this dataset available for further research.

LrtWD: Data will be made available on KU Leuven RDR for reuse after the project.

Moreover, some of the datasets generated and used by our project (esp. digital images of the cards) will be made partly available for consultation and use through a **virtual reading room (VRR)** that will link out to the database. The portal website thomsonindex.org will function as a hub for both the database and the VRR. It will include a user manual with background information and instructions how to use the online tools, and in the final year of the project a synthetic essay will be published here, summarizing the then state of the data.

We will set up the VRR in collaboration with LIBIS and the KU Leuven Libraries Special Collections department, which has included the development of Virtual Reading Rooms in its strategic plan 2022-2025. Facilitated by the Special Collections department, our project works within an infrastructure template (open source platform Omeka S) developed by LIBIS but with our own creative control of the content and input. Thanks to the standard contract, the VRR will be automatically archived after four years by the KU Leuven Libraries Special Collections. Long-term data is covered through integration in the collections of the KU Leuven Libraries.

INNSBRUCK

Final edited data will be published as Semantic Media Wiki under CC-BY licence. raw-/masterdata from Transkribus / **TmsCRDS** will be deposited in the institutional researchdata repository from University of Innsbruck <https://researchdata.uibk.ac.at/>. We will publish the metadata and assign a DOI.

If access is restricted, please specify who will be able to access the data and under what conditions.

DigCRDS: Archived on RDR, the card images remain accessible (as .tif files) to the project PI's, who can decide at any time to open this dataset up for further research.

LrtWD: Data will be made available on RDR upon publication of the PhD and research results, viz. as restricted data, available to KU Leuven researchers upon request.

Are there any factors that restrict or prevent the sharing of (some of) the data (e.g. as defined in an agreement with a 3rd party, legal restrictions)? Please explain in the comment section per dataset or data type where appropriate.

- Yes, Intellectual Property Rights
- Yes, Ethical aspects

See also above.

The legal gift deed, concluded between the Thomson heirs and KU Leuven via the KU Leuven legal department, stipulates under (1 and 4) the transfer of Francis Thomson's card index in exclusive ownership to KU Leuven Libraries. It grants KU Leuven the user right to digitize, archive, and extend access to the cards as it sees fit, and warrants the ethically correct use of the both **PhysCRDS** and **DigCRDS** (+ **TmsCRDS**) exclusively for education, research, and social services. All related publications, including the OA database, should acknowledge Francis Thomson's moral author rights and mention his name. No member of the research team is to seek financial gain from the use or publication of the cards.

LrtWD: Data will be made available on RDR upon publication of the PhD and research results, viz. as restricted data, available to KU Leuven researchers upon request.

Where will the data be made available? If already known, please provide a repository per dataset or data type.

See also above.

PhysCRDS: KU Leuven libraries, Special Collections dept. (partially in the stacks, but accessible on request);

DigCRDS & MD: During the project in the OA database in the cloud-based Canto environment, and partly through the VRR under the umbrella of the Special Collections dept. (see supra); after the project on RDR.

LrtWD: Data will be made available on RDR.

INNSBRUCK

Semantic Media Wiki (see above)

When will the data be made available?

See also above.

PhysCRDS: the physical cards are already accessible for KU Leuven library users, even if part of the cards are in the stacks and others kept at the Greek Studies Department. Access can be obtained on simple request. After the end of the project, the entire card index will be available at the KU Leuven Special Collections dept.

DigCRDS & MD: Gradually, to the extent that the cards are scanned, included in Canto in a structured way, and annotated. The project includes a time line for the publication of the various parts of the Thomson card index: Incipitarius in project year 1 (2024); Author index in project year 2 (2025); Thematic index in project year 3 (2026).

Additionally, some of the digital images will be integrated in the VRR, to be launched in the first years of the project (see supra).

LrtWD: upon the completion of the PhD dissertation and upon the publication of the research results.

INNSBRUCK

At the latest at the end of the project.

Which data usage licenses are you going to provide? If none, please explain why.

We will follow the KU Leuven recommendation to use one of the Creative Commons licenses for our data (to be decided later on more in particular, from to the KU Leuven list of options <https://www.kuleuven.be/rdm/en/rdm/licenses>).

INNSBRUCK

Semantic Media Wiki: CC BY 4.0

Do you intend to add a PID/DOI/accession number to your dataset(s)? If already available, you have the option to provide it in the comment section.

- Yes

Datasets published in RDR will automatically be assigned a DOI.

INNSBRUCK

See above.

What are the expected costs for data sharing? How will these costs be covered?

See also above.

PhysCRDS: no costs;

DigCRDS & MD:

- Canto database: budgeted in the project: € 9,680 (= 4x yearly fee € 2,420). The costs are not yet covered for the period after the project, but we have some back-up funding from the Francis Thomson Legacy Project, and follow-up projects may help us to keep the database online (either in Canto or on another digital platform).
- VRR: budgeted in the project, one-time purchase at start of project: € 2,360 (= € 660 one-time installation cost + € 1,700 standard contract sum for four years. (The costs for the virtual reading room are quoted according to the university-wide contract that the KU Leuven Libraries Special Collections dept. agreed with LIBIS.)
- Portal website: budgeted in the project: € 2,000 (= 4x € 500) for maintenance + yearly domain name registration. The estimate of € 500 includes the costs necessary to maintain the website in the first five years after the project.

For RDR no costs up to 50GB per year.

LrtWD: No additional costs are expected for data sharing. The data will be preserved by storing it on KU Leuven RDR. Every user can publish up to 50GB per year. I do not expect the data to exceed this limit. If not, costs for extra storage will be covered by the bench fee of the researcher.

INNSBRUCK

There are no additional costs expected, since semantic media wiki is provided by the University of Innsbruck;

6. Responsibilities

Who will manage data documentation and metadata during the research project?

The Leuven Doctoral student (DS, to be hired), the Leuven Technical staff (TS-L, to be hired), supervised by the project PIs (RC and LS) / INNSBRUCK Principal Investigator (Jürgen Fuchsbauer) and a postdoctoral fellow (to be hired).

Who will manage data storage and backup during the research project?

The Leuven Technical staff (TS-L, to be hired), supervised by the project PIs (RC and LS) / INNSBRUCK PI (JF), postdoctoral fellow & technical staff at University of Innsbruck Central IT- Service (ZID)

Who will manage data preservation and sharing?

The Leuven Technical staff (TS-L, to be hired, during the project), after the end of the research project data preservation and sharing will be managed by the Leuven PIs (RC and LS) / INNSBRUCK PI (JF), postdoctoral fellow & technical staff at University of Innsbruck Central IT-Service (ZID).

Who will update and implement this DMP?

The Leuven Doctoral student (DS, to be hired), The Leuven Technical staff (TS-L, to be hired, during the project), the Leuven project PI's (LS, RC) / INNSBRUCK PI (JF) and postdoctoral fellow