RESILIENCE

D2.2 - User Services Catalogue

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Distribution List

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All	All	

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Acronyms

Acronym	Full Form
BoD	Board of Directors
EOSC	European Open Science Cloud
FAIR	Findable, Accessible, Interoperable, Reusable
GenA	General Assembly
HTR	Handwritten Text Recognition
OCR	Optical Character Recognition
OS	Open Science
PPP	Preparatory Phase Project
RDM	Research Data Management
RI	Research Infrastructure
RS	Religious Studies
SSHOC	Social Sciences and Humanities Open Cloud
TRL	Technology Readiness Level
WU Data	Working Unit Data

1 Introduction

As stated in the Grant Agreement, WP2 has the task to create a User Services Catalogue." This catalogue contains information about deliverables, implementation/ operation costs, contact points, implementation/operation processes, available services/resources among partners, etc. Items can enter the user services catalogue only after internal due diligence has been performed on related costs and risks (e.g. availability of resources). Only services ready to become operational can be found in the service catalogue and as such, resources to fully support active services have been committed."[1]

This intermediate version of D2.2 will focus mainly on the first steps taken towards the creation of this Service Catalogue. Mapping the current state of affairs of services and resources available among the partners was considered as the best starting point for developing the Service Catalogue. This allows WP2 to develop criteria for assessing operational readiness for services and procedures for onboarding them on the catalogue that are attuned to the consortium and the Religious Studies (RS) community. The mapping also serves as a means to recognise gaps in the available resources for the community.

This document will also outline how the Service Catalogue fits into the broader Service Strategy of RESILIENCE discussed in the intermediate version of D2.1.[2] The context in which the templates for collecting information for the Service Catalogue were created is defined both by the realities of the Religious Studies community and the wider European research landscape.

2 RESILIENCE Service Strategy

The intermediate version of 'D2.1 – Services Preparation and Implementation Strategy' states that the emphasis during the PPP is on the mapping of existing services (in-kind and from other RI's, e-Infrastructures,...) and on setting up procedures for the inclusion of services in the service catalogue. Based on the needs of the community and the available resources during the PPP, RESILIENCE will also work towards implementing a selection of core services:

- a data repository solution for the FAIR data publication of research data in RS
- an elaborate TNA program for access to and expertise on physical as well as digital collections

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[1] GRANT AGREEMENT, Project: 101079792 — RESILIENCE PPP — HORIZON-INFRA-2021-DEV-02, Description of The Action (Part A), p.7.
[2] D2.1 – Services Preparation and Implementation Strategy.

- a data hub and discovery environment giving access to a wide variety of digital objects

- an RDM support desk.[3]

The place of this deliverable in the context of the service strategy is a focus on the preparation work and implementation of the Service Catalogue itself from the perspective of categorisation of services and procedures for evaluating and onboarding them. This will allow us to focus on increasing the visibility of qualitative and highly useful tools and resources already available at partner institutions and in the wider research ecosystem. One of the most important criteria in these procedures is the Technology Readiness Level (TRL) of a service, a measurement system used to assess the maturity level of a service.[4]

2.1 Religious Studies context

The primary goal of a RESILIENCE service catalogue is to cater to the needs of the Religious Studies community. To gain a better insight into the needs of the RS community, WP2 is also in close collaboration with WP3 Users. This collaboration mostly takes the form of joint workshops at RESILIENCE partner institutions as described in 'D3.1 - Workshops Proceedings - 1st Batch'.[5] This allows WP2 to both collect information on existing resources and to be closer to the work WP3 does to collect the needs of users. This collaboration combined with the mapping of existing services among the RESILIENCE partners serves to recognise gaps between the resources needed by and available to the RS community.

Filling these gaps requires reliable and sustainable services for the community, which is why technological readiness and sustainability are important aspects to consider when collecting information about existing resources.

Because RESILIENCE is part of this community, this allows for some flexibility in offering tools and services of a lower TRL that are still in development if there are clear mentions about the development status or if users are explicitly involved in a testing phase. This can have the dual benefit of offering earlier access to specific resources to (some members of) our community while also giving the providers of the resource a network of users that can provide input and feedback. This creates a win-win situation where researchers

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[3] D2.1 – Services Preparation and Implementation Strategy, p7-12.

[4]   CloudWatch,   A   brief   refresher   on   Technology   Readiness   Levels   (TRL), https://www.cloudwatchhub.eu/exploitation/brief-refresher-technology-readiness-levels-trl.   Cfr.   Also https://ec.europa.eu/research/participants/data/ref/h2020/wp/2014_2015/annexes/h2020-wp1415-annex-g-trl_en.pdf

[5] D3.1 - Workshops Proceedings - 1st Batch

can find and use services or tools that are validated but not yet fit for wide scale use while giving the service providers access to input and feedback from users.

During the Design Phase, RESILIENCE already created a categorisation of potential services referred to as the R-Suite.
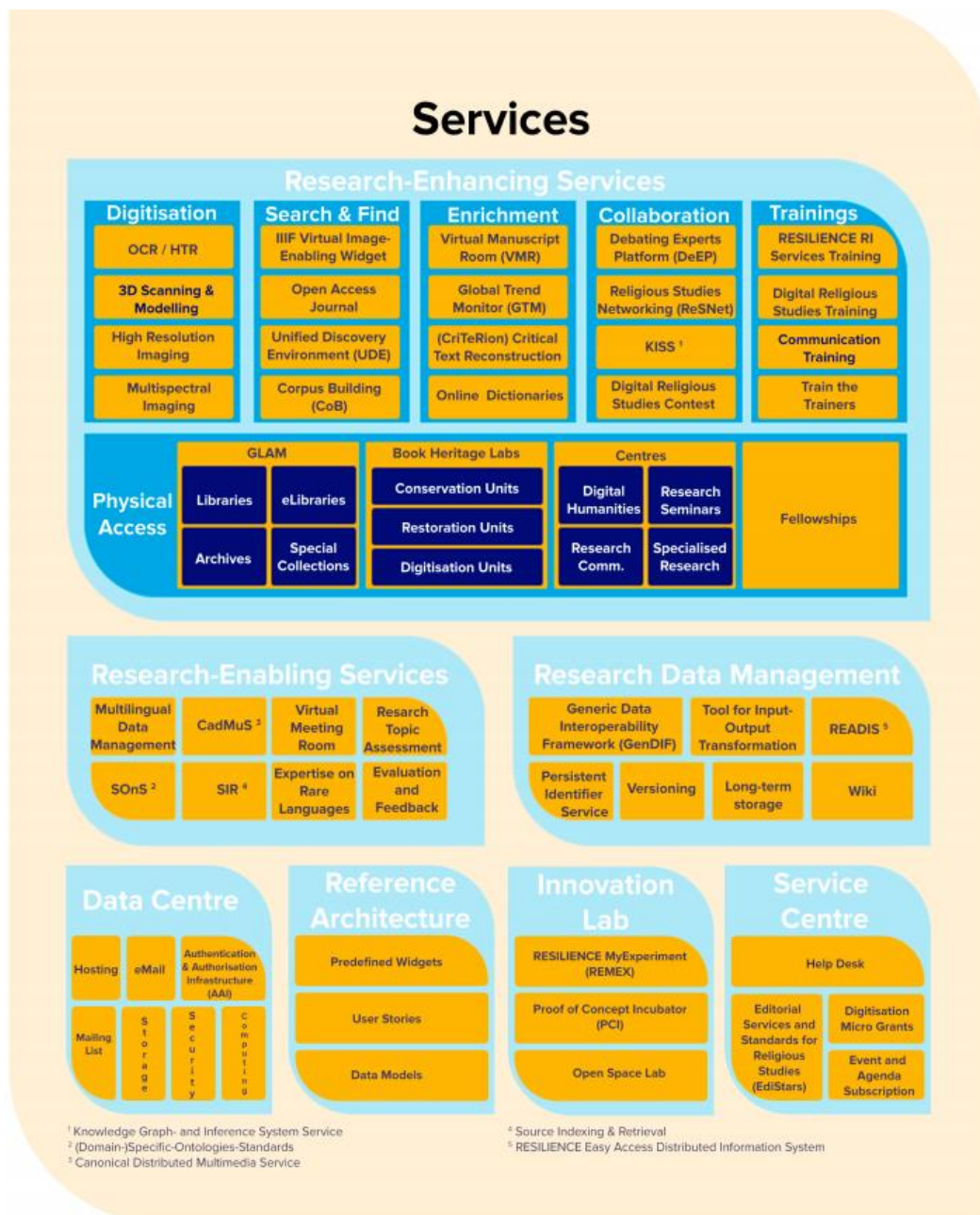
Services

Research-Enhancing Services

Digitisation	Search & Find	Enrichment	Collaboration	Trainings
OCR / HTR	IIIF Virtual Image-Enabling Widget	Virtual Manuscript Room (VMR)	Debating Experts Platform (DeEP)	RESILIENCE RI Services Training
3D Scanning & Modelling	Open Access Journal	Global Trend Monitor (GTM)	Religious Studies Networking (ReSNet)	Digital Religious Studies Training
High Resolution Imaging	Unified Discovery Environment (UDE)	(CriTeRion) Critical Text Reconstruction	KISS [1]	Communication Training
Multispectral Imaging	Corpus Building (CoB)	Online Dictionaries	Digital Religious Studies Contest	Train the Trainers

Physical Access	GLAM		Book Heritage Labs	Centres		Fellowships
	Libraries	eLibraries	Conservation Units	Digital Humanities	Research Seminars	
			Restoration Units			
	Archives	Special Collections	Digitisation Units	Research Comm.	Specialised Research	

Research-Enabling Services

Multilingual Data Management	CadMuS [3]	Virtual Meeting Room	Resarch Topic Assessment
SOnS [2]	SIR [4]	Expertise on Rare Languages	Evaluation and Feedback

Research Data Management

Generic Data Interoperability Framework (GenDIF)	Tool for Input-Output Transformation	READIS [5]
Persistent Identifier Service	Versioning	Long-term storage	Wiki

Data Centre

Hosting	eMail	Authentication & Authorisation Infrastructure (AAI)
Mailing List	Storage / Security / computing	

Reference Architecture

Predefined Widgets

User Stories

Data Models

Innovation Lab

RESILIENCE MyExperiment (REMEX)

Proof of Concept Incubator (PCI)

Open Space Lab

Service Centre

Help Desk

Editorial Services and Standards for Religious Studies (EdiStars)	Digitisation Micro Grants
	Event and Agenda Subscription

[1] Knowledge Graph- and Inference System Service
[2] (Domain-)Specific-Ontologies-Standards
[3] Canonical Distributed Multimedia Service
[4] Source Indexing & Retrieval
[5] RESILIENCE Easy Access Distributed Information System

Figure 1: RESILIENCE Suite

The R-Suite is a visualisation of the services that are foreseen to be offered by the RI while in operation.[6] This visualisation was very useful during the Design Phase and early PPP to conceptually show potential services and how they fit together in the framework of a Research Infrastructure. As implementation draws closer, a more practical and flexible categorisation becomes necessary. The conceptual representation of the R-Suite, for example, does not accommodate service areas where several tools are available or that require more than one tool to cover a researcher's needs. It is, furthermore, difficult to incorporate resources in the R-Suite that offer more than one tool or service. In addition, an alignment with the EOSC portal and SSHOC marketplace are in order to foresee the future integration of RESILIENCE services into the EOSC Federation. All these aspects resulted in the reconsideration of the service catalogue structure as specified in this document.

2.2 Wider European context: EOSC Marketplace & SSHOC

As outlined in D2.1, adopting the categorisation used by EOSC allows RESILIENCE to be more easily integrated in the wider European ecosystem. Besides the added benefit of interoperability, adopting EOSC categories also allows RESILIENCE to compare existing resources from the wider European research landscape to RS researchers' needs to ensure that existing solutions can be adopted rather than repeating efforts expended in the past. As a tried and tested categorisation it also has the advantage of being more practical and flexible with an eye towards implementation. The EOSC supercategories and categories listed below allow for the description of resources in a standardised way. The EOSC subcategories will be used to add more detail and information about the specifics of a service.[7]

- **Access physical & e-Infrastructures**
    - **Instrument & Equipment**: Access to instruments and equipment.
    - **Material Storage**: Access to biological, chemical, historical, archeological, cultural, etc. storage. Includes the acquisition, preparation and processing of samples and materials in view of their preservation.
    - **Network**: Ultra-fast connectivity and access to eInfrastructures' Resources.
    - **Compute**: High-performance computing Resources and scalable cloud compute capacity for demanding job processes.

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[6] Confidential deliverable D8.1 from the Design Phase — Grant 871127 — RESILIENCE "Governance Model, HR Policy and Management, Access Policy", p.37-38.

[7] https://wiki.eoscfuture.eu/display/PUBLIC/B.+v4.00+EOSC+Resource+Profile#B.v4.00EOSCResourceProfile-ResourceCategory

- - **Data Storage**: Reliable, secure and scalable cloud storage for scientific data, apps and workloads.
- **Sharing & Discovery**
  - **Data**: Vast range of data, datasets etc to facilitate research and scientific activities.
  - **Scholarly Communication**: Research findings available to the wider academic community and beyond.
  - **Software**: Software, platforms and tools offered-as-a-service or deployed-on-demand.
  - **Application**: End-user applications (apps) offered-as-a-service or deployed-on-demand.
  - **Development Resource**: Developer tools, development kits, libraries, APIs.
  - **Samples**: Collection, preparation and delivery of biological, chemical, environmental or other samples.
- **Processing & Analysis**
  - **Data Management**: Robust, feature-rich and user-friendly data management services.
  - **Data Analysis**: Processes for data with the goal of discovering useful information, informing conclusions, and supporting decision-making.
  - **Measurement & Materials Analysis**: Processes and techniques for material analysis, characterisation and monitoring.
- **Security & Operations**
  - **Security & Identity**: Protect [your] infrastructure and manage user identities and access against advanced threats across devices, data, apps, etc.
  - **Operations & Infrastructure Management Services**: Services for monitoring, scaling, creating, tracking and automating operations on [your] infrastructures and services.
- **Training & Support**
  - **Education & Training**: Highly-specialized seminars and courses to help advance research knowledge and sharpen scientific skills.
  - **Consultancy & Support**: Dedicated support, expertise, consultancy for a wide range of scientific disciplines and research activities.
- **Aggregators & Integrators**: Thematic, Regional and other Aggregators & Integrators.
  - Services
  - Data
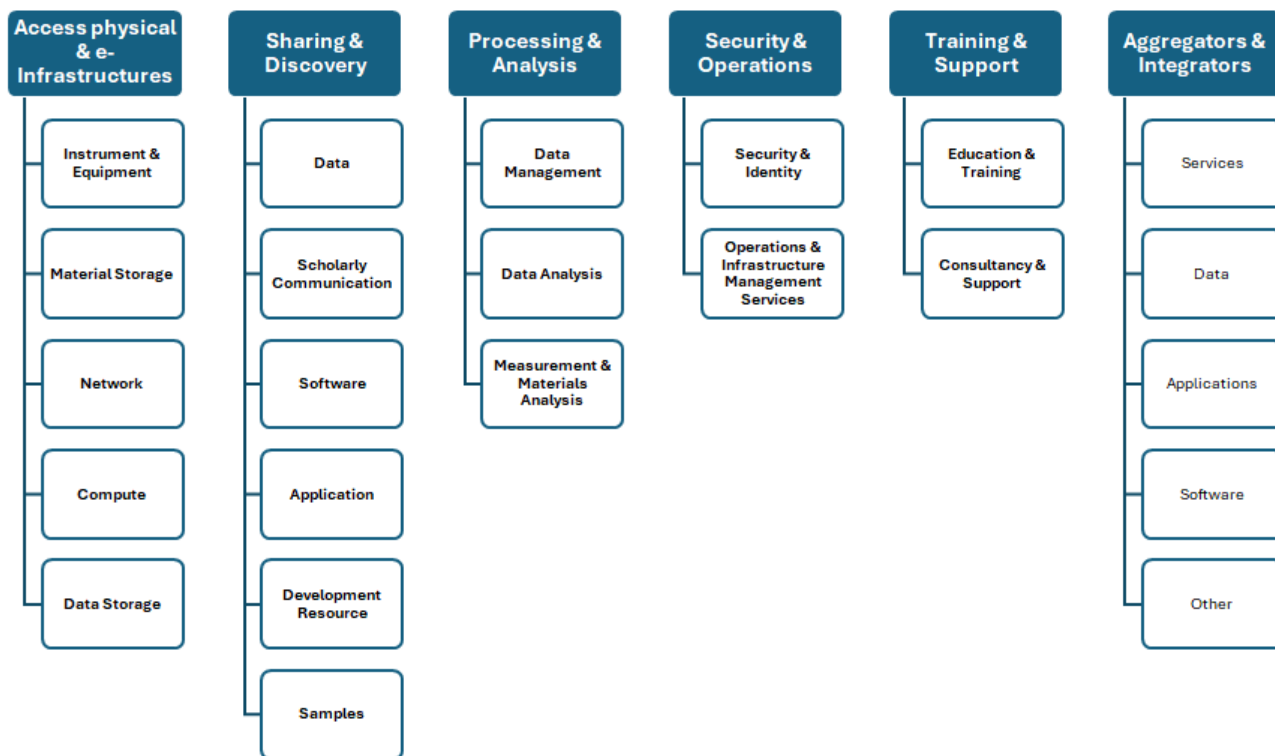 - Applications
  - Software
  - Other

Figure 2: Supercategories & categories

Using these categories also makes it possible to describe in-kind services that cover more than one service area. An existing book heritage lab can, for example, also offer consultancy rather than only conservation and restoration services. It allows researchers to more easily search for resources that cover a specific need. Not every OCR/HTR tool is equally suitable for every use case, for example. These complexities are more difficult to convey using the R-Suite.

A visual representation of the above categories and supercategories that includes all potential services that the Religious Studies community can benefit from in the same style as the R-Suite is therefore difficult to design because in reality a category can contain several resources that meet similar needs or offer similar functionalities and resources can offer services in several categories. Looking at the service description provided by the Book Heritage Lab of KU Leuven of what their department can offer users, for example, there are already several more resources available than as visualised in an abstract manner in the R-Suite.
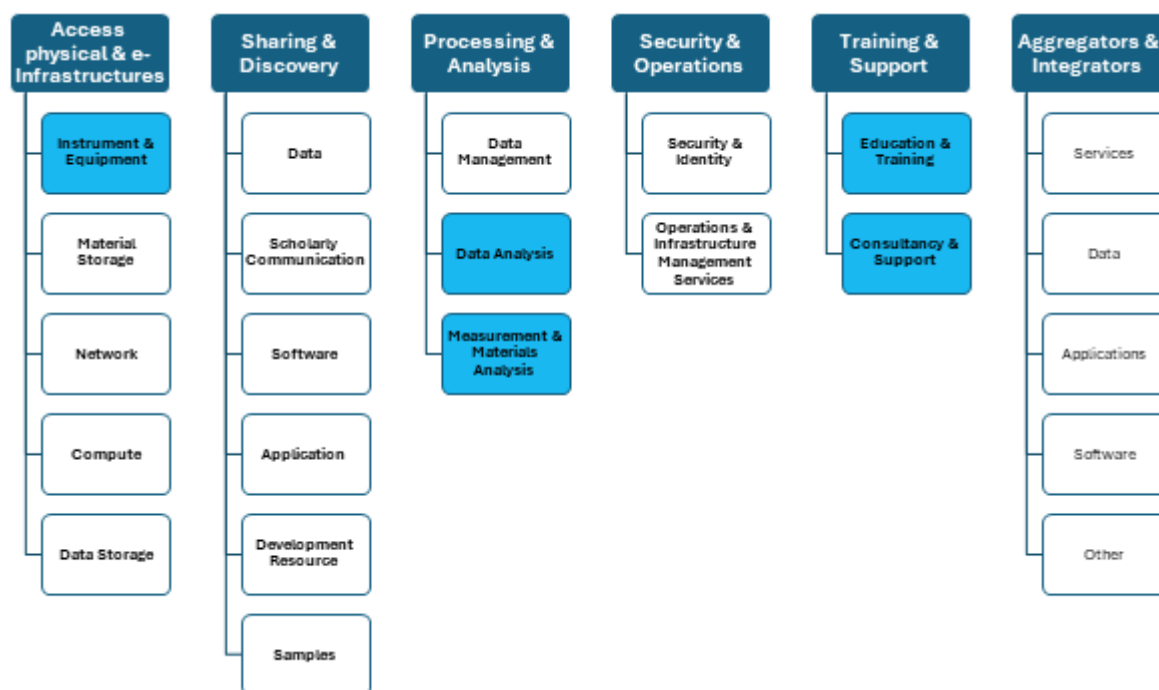
Figure 3: Supercategories & categories covered by Book Heritage Lab KU Leuven

The transition from the EOSC Future Marketplace to the new EOSC EU Node is also taken into account here as continuity for the EOSC community is ensured.[8] RESILIENCE will closely follow up on this switch and further evolutions in the EOSC EU Node to remain interoperable in the Federation.

3   Service analysis template

The process for analysing services started with a desk study of the European RI and e-Infrastructure landscape to understand the current state-of-affairs regarding services, service description and best practices on the topic. As Religious Studies is a field within the Social Sciences and Humanities which also aligns with several other disciplines and methodologies under that umbrella, the obvious point of departure was SSHOC. This is essential for RESILIENCE because the SSHOC Marketplace is a "discovery portal which pools and harmonises the tools and services useful for the SSH research communities, offering a high quality and contextualised answer at every step of the research data life cycle". SSHOC emphasises their

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[8] https://eoscfuture.eu/newsfuture/eosc-future-signs-off/ ; https://digital-strategy.ec.europa.eu/en/news/commission-announces-winners-eosc-procurement

embedding in the EOSC ecosystem to contribute to the resources discoverability layer of the EOSC and to ensure an entry door to the EOSC for social scientists and humanists.[9]

The logical next step was to look at EOSC via desk study as it is the initiative SSHOC also builds on.[10] The EOSC Provider Platform was explored with the help of the EOSC Future Wiki and its EOSC Portal Profiles section.[11] The EOSC Resource Profile and Data Source Profiles were studied and compared to the SSHOC Marketplace metadata guidelines to come to a better understanding of the way information on resources is collected and how they are described.[12] Both are interoperable but SSHOC metadata on services is designed to allow anyone to contribute services to the platform. As a result, the EOSC profiles are more extensive and better documented.

As RESILIENCE is looking to collect information on in-kind services provided by consortium members, it was decided after several meetings with WU Data, with some representatives of the RESILIENCE partners and internally in WP2 that it was better to proceed with EOSC profiles to develop templates for information collections. Several iterations of service analysis templates were developed, tested and discussed with WU Data and other RESILIENCE contributors to come to a usable template and accompanying instructions and guidelines. Both a Google Forms version and Microsoft Forms version were tested to see which was more viable for information collection at this stage. Though neither is ideal to collect detailed and easily categorised information in a user-friendly way, for neither the survey organiser nor its respondents, at this early stage it was deemed better than constructing an extensive user interface for this purpose. At this stage,

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[9] Stefan Buddenbohm, Laure Barbot, Clara Petitfils, Matej Ďurčo, & Tomasz Parkoła. (2020). Three Pillars of the Social Sciences & Humanities Open Marketplace. EOSC-Hub Week 2020. Zenodo. https://doi.org/10.5281/zenodo.3813703.
Laure Barbot, Yoann Moranville, Stefan Buddenbohm, Klaus Illmayer, & Matej Ďurčo. (2020). MS42 Marketplace – alpha release (v1.0). Zenodo. https://doi.org/10.5281/zenodo.4585700
Clara Petitfils, Suzanne Dumouchel, Nicolas Larrousse, Edward J. Gray, Laure Barbot, Arnaud Roi, Matej Ďurčo, Klaus Illmayer, Stefan Buddenbohm, & Tomasz Parkola. (2021). D7.5 Marketplace - Governance. https://doi.org/10.5281/zenodo.5608487.
Matej Ďurčo, Laure Barbot, Klaus Illmayer, Sotiris Karampatakis, Frank Fischer, Yoann Moranville, Joshua Tetteh Ocansey, Stefan Probst, Michał Kozak, Stefan Buddenbohm, & Seung-Bin Yim. (2021). 7.2 Marketplace – Implementation (v1.0). Zenodo. https://doi.org/10.5281/zenodo.5749465.
Franciska de Jong. (2022, January 26). A thematic marketplace: The SSH Open Marketplace. Zenodo. https://doi.org/10.5281/zenodo.5906660.
[10] D3.2a EOSC Architecture and Interoperability Framework https://eoscfuture.eu/wp-content/uploads/2022/12/EOSC-Future-WP3-GEANT-D3.2a-EOSC-Architecture-and-Interoperability-Framework-2021-12-22.pdf.
[11] https://wiki.eoscfuture.eu/display/PUBLIC/EOSC+Portal+Profiles
[12] https://marketplace.sshopencloud.eu/contribute/metadata-guidelines

Microsoft Forms was chosen to test the viability of the template and its categories. At a later stage, a more integrated and easier to use form will be developed. Although EOSC EU Node ensures continuity, this also allows RESILIENCE to take it into account if any changes do occur.

The results of the service analysis templates are shared in the following chapter. Personal data such as contact information collected in the surveys are also not shown because this information was collected for internal use only. Therefore, everything under '6. Contact Information' is left out of this deliverable.

4   Service template results

14 results were collected during one round of testing for the service templates. The complete results can be consulted in Appendix 1 of this document. One example of a service template result is included here as an example.

1. Basic Information		
ID		
Name	Histdict	
Abbreviation	Histdict	
Resource Organisation	UniSofia	
Resource Providers		
Webpage	https://histdict-prep.comsoft.bg/	
2. Marketing Information		
Description	The Histdict system provides its users with mechanisms for creating a text corpus, uniting Slavic texts from the first written monuments to the present day, as well as their preliminary processing - adding comments, readings, red markings, etc. An extensive dictionary and support for references is also incorporated within Histdict system. The objective of the system is to create opportunities for morphological annotation of the added texts by specialists, in order to improve subsequent linguistic analyzes based on the textual richness of the corpus.	
Tagline	A unique digital platform for studying the Medieaval Religious Literature of the Slavs	
Logo	https://elinizb.uni-sofia.bg/images/elinizb-images/logo/logo-elinizb-retina.svg	
Multimedia	https://elinizb.uni-sofia.bg/en/	
Use case		
3. Classification Information		
Scientific Domain	Humanities	
	Scientific Subdomain	Languages and literature; Philosophy, ethics and religion; Arts

Category		Data
	Subcategory	Scientific/Research data
Category		Software
	Subcategory	Platform
Category		Application
	Subcategory	Education
Category		Data Analysis
	Subcategory	Other
Category		Education & Training
	Subcategory	Online Courses
Target Users		Researchers; Research groups; Research projects; Research networks; Research organisations; Students
Access Type		Virtual
Access Mode		Free; Free conditionally
Tags		
4. Geographical and Language Availability Information		
Geographical Availability		World
Language		OCS, Bulgarian, English for the menus
5. Resource Location Information		
Resource Geographic Location		
6. Contact Information		
Main Contact/Resource Owner		
Public Contact		
Helpdesk		
7. Maturity Information		
Technology Readiness Level		8 - system complete and qualified
Life Cycle Status		
Certifications		
Standards		
Open Source Technologies		
Version		
Last Update		currently
Change Log		
8. Dependencies Information		
Required Resources		computer with Internet connection
Related Resources		
Related Platforms		
Catalogue		
9. Attribution Information		

Document Title: D2.2 User Services Catalogue
Status: FINAL
Version: 01.00

Funding Body	Bulgarian Ministry of Education and Sciences (MES)
Funding Program	European Structural Funds plus MES
Grant/Project Name	
10. Management Information	
Helpdesk Page	
User Manual	
Terms Of Use	
Privacy Policy	
Access Policy	
Resource Level	
Training Information	
Status Monitoring	
Maintenance	
11. Access and Order Information	
Order Type	Fully Open Access
Order	
12. Financial Information	
Payment Model	
Pricing	

Additional information for 'Data Source'

13. Data Source Policies	
Submission policy URL	
Preservation policy URL	
Version control	
Persistent Identity Systems - Research Data	
Persistent Identity Systems - Research Software	
Persistent Identity Systems - Research Literature	
Persistent Identity Systems - Other research products	
14. Data Source Content	
Jurisdiction	Research Infrastructure
Data Source Classification	Scientific Database
Research Product Types	Research Data
Thematic	Yes
15. Research Product Policies	
Research Product Licensing	
Research Product Access Policy	Open access

16. Research Product Metadata	
Research Product Metadata Licensing	
Research Product Metadata Access Policy	Open access

5 Service template: lessons learned

The results of the service analysis template included in this deliverable were part of WP2's efforts in testing and perfecting a way to collect information about potential (in-kind) services to be included on the RESILIENCE Service Catalogue. The aim of this test was to gain a preliminary overview of the services available among RESILIENCE partners and to see if the EOSC profiles are suitable for this purpose.

Although providing the information requested was sometimes challenging for respondents, it can be concluded that the current template is well suited for the task of collecting information about services. Doing so with Microsoft Forms, however, is not ideal. It makes collecting information with the needed granularity difficult both for those filling out the forms and those processing the information. The advantage of being relatively fast to set up the template with Microsoft Forms did outweigh those disadvantages for testing purposes. As the work in WP2 progresses, however, a better solution should be set up.

Due to the fact that testing the templates was our main concern, partners were not asked to provide an exhaustive list of potential in-kind services. WP2 should continue to collect information about potential services. Based on the experiences from this first round of testing, the information that respondents are required to provide can be considered adequate and this can be maintained as it is. The method for collecting the information, however, needs to be improved to be more user friendly.

6 Minimal requirements for onboarding

As per the guiding principles in the Services Preparation and Implementation Strategy, RESILIENCE offers services of a certain service level maturity with a stable and robust infrastructure and a strong support team in place to guarantee that resources remain findable, accessible, interoperable, and reusable. This helps ensure that users are only given access to tools and services that are already reliable and sustainable. The service catalogue can, however, also contain innovative new services and tools that have a low

technology/service readiness level if it offers potential users clear information on the experimental and possibly temporary nature of the service. By being transparent about the TRL, RESILIENCE can offer innovative and experimental tools of value to the community without running the risk of low quality and limited availability of the service offering.[13]

Preferably, the minimal requirement for onboarding on the RESILIENCE Service Catalogue is TRL 7 or higher for existing (in-kind) services. This helps ensure that RESILIENCE offers the community services that are accessible and usable, not only at the moment of onboarding them but also in the long term.

TRL 9	Actual system proven in operational environment (competitive manufacturing in the case of key enabling technologies; or in space).
TRL 8	System complete and qualified.
TRL 7	System prototype demonstration in operational environment.
TRL 6	Technology demonstrated in relevant environment (industrially relevant environment in the case of key enabling technologies).
TRL 5	Technology validated in relevant environment (industrially relevant environment in the case of key enabling technologies).
TRL 4	Technology validated in lab.
TRL 3	Experimental proof of concept.
TRL 2	Technology concept formulated.
TRL 1	Basic principles observed.

Figure 4: NI4OS-Europe TRL[14]

Pilot demonstrators, meaning TRL4 or higher, can be included as long as the TRL is clearly indicated to the end users. These can be promoted to specific users that are aware of and comfortable with the experimental nature of that specific service. This can have the dual benefit of offering earlier access to specific resources to (some members of) our community while also giving the providers of the resource a network of users that can provide input and feedback. This creates a win-win situation where researchers can find and use services or tools that are validated but not yet fit for wide scale use while giving the service providers access to input

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[13] D2.1 – Services Preparation and Implementation Strategy, p9-13.
[14] https://wiki.ni4os.eu/index.php/Technology_Readiness_Level

and feedback from users. One approach that has been suggested for this by the WU Data is to close off a section of the Service Catalogue behind a login only accessible to researchers from the RESILIENCE consortium to ensure that some level of coordination can be maintained between the users and providers.

Another important requirement for services to be onboarded is the availability of clear documentation on how to access and use the resource as well as the existence of a helpdesk that can be contacted for assistance with technical and usability issues. A resource cannot be considered mature if neither are available. For the pilot demonstrators, more flexibility is possible because users and providers should be in touch with one another and the experiences of users can provide crucial input for the drafting of documentation.

Both the TRL self-assessment and questions pertaining to documentation and the help desk are essential elements in the service description that play an important role in the procedures to be followed after a description has been submitted.

7   Procedures for onboarding

The first step to be undertaken after a potential in-kind service has been submitted to the Service Catalogue is to check if there is any information obviously missing from the description. The submitted URL's need to be checked to see if they are correct and the websites themselves are active. For resources that have an active web presence it is often possible to see if the site contains any information that should also be submitted in the description form. This can already give a good impression of the completeness of the information provided and informs the reviewer on the level of accuracy of the TRL self-assessment. Although it is not up to RESILIENCE to evaluate or determine the TRL of a resource, an exploration of the available documentation and technical specifications can help determine whether the self-assessed TRL is a realistic evaluation of the resource. The availability of a help desk and of user documentation is essential to consider a service an operational environment. The funding a resource receives gives a good impression of its sustainability.

Once the submission has been reviewed for completeness, the correctness of the TRL self-assessment has been evaluated and the documentation and help desk have been checked, the reviewer can get in touch with the main contact for the resource to follow up on the information provided and or missing. If there are no open issues (left to resolve), the resource can be onboarded on the RESILIENCE Service Catalogue.

8 Next Steps

The next step in the work on the Service Catalogue will be to integrate the information collected via the service analysis template on the RESILIENCE website in an easily browsable and searchable way. At this stage in the PPP, the in-kind service that RESILIENCE can promote to the community do not yet require a dedicated platform that can function as a marketplace. The amount of in-kind services is for the moment still limited so a browsable page is still suitable. Similarly, the Microsoft Forms for collecting information about resources can still function temporarily. As the Service Catalogue expands, a dedicated solution for collecting that information will be developed. Although the output of the Microsoft Forms is adequate to analyse service towards the decision to onboard them, they are not sufficiently user friendly. To help streamline these next steps, the further evolution of the EOSC EU Nodes will be followed to stay up to date of their requirements once more information is available. In the meantime, RESILIENCE will also explore the integration of mature service descriptions in the SSHOC Marketplace.

9 Appendices

9.1 Appendix 1: Service template results

1. Basic Information	
ID	
Name	Primary Sources in Jewish Studies
Abbreviation	
Resource Organisation	Bar-Ilan University
Resource Providers	
Webpage	www.biu.ac.il

2. Marketing Information	
Description	Bar-Ilan University is the only religious university in Israel and is one of the world's central hubs for Jewish Studies, going from Jewish Philosophy to Semitic Philology, from Bible Studies to Archeology, from Jewish Art to Hebrew Literature. The BIU library has a number of very important collections and offers the research community a location for in depth archival work and the interaction with some of the most important scholars in the above-mentioned fields.
Tagline	Probably the best research hub in Jewish Studies in the World.
Logo	https://upload.wikimedia.org/wikipedia/he/b/b0/Bar_Ilan_logo.png
Multimedia	
Use case	

3. Classification Information		
Scientific Domain	Social Sciences	
	Scientific Subdomain	Psychology; Sociology; Law; Political sciences; Social and economic geography; Other social sciences
Scientific Domain	Humanities	
	Scientific Subdomain	History and archaeology; Languages and literature; Philosophy, ethics and religion; Arts; Other humanities
Category	Data	
	Subcategory	Metadata; Online service data; Data archives
Category	Scholarly Communication	
	Subcategory	Publication; Writing; Analysis; Discovery
Target Users	Researchers; Research groups; Research communities; Research projects; Research networks; Research managers; Research organisations; Students; Research Infrastructure Managers; Resource Managers; Publishers	
Access Type	Physical; Remote; Virtual; Mail-in	
Access Mode	Free conditionally; Paid; Peer-reviewed	
Tags	Jewish Studies	
4. Geographical and Language Availability Information		

Geographical Availability	World
Language	English, Hebrew
5. Resource Location Information	
Resource Geographic Location	Israel
6. Contact Information	
Main Contact/Resource Owner	
Public Contact	
Helpdesk	
7. Maturity Information	
Technology Readiness Level	6 - technology demonstrated in relevant environment
Life Cycle Status	
Certifications	
Standards	
Open Source Technologies	
Version	
Last Update	
Change Log	
8. Dependencies Information	
Required Resources	
Related Resources	
Related Platforms	
Catalogue	
9. Attribution Information	
Funding Body	
Funding Program	
Grant/Project Name	
10. Management Information	
Helpdesk Page	
User Manual	
Terms Of Use	
Privacy Policy	
Access Policy	
Resource Level	
Training Information	
Status Monitoring	
Maintenance	
11. Access and Order Information	
Order Type	Open Access
Order	

12. Financial Information	
Payment Model	
Pricing	

1. Basic Information	
ID	
Name	Italian SuperComputing Resource Allocation – ISCRA
Abbreviation	ISCRA
Resource Organisation	CINECA Consorzio Interuniversitario
Resource Providers	
Webpage	https://www.hpc.cineca.it/hpc-access/access-cineca-resources/iscra-projects/
2. Marketing Information	
Description	Each year, CINECA will directly award, at national level, in excess of 100 millions core hours, and indirectly, at European level, by mean of the participation of the EUROHPCJU Programme, in excess of 1.200 millions core processors hours, for a total amount in the order of 1.700 millions core processors hours, driving transformational research in diverse fields. The topics that are currently investigated through supercomputing at CINECA e.g. include fundamental physics, computational chemistry, astrophysics, nanotechnology, energy, environment, engineering, mathematic and life science, as well as emerging application domains in the context of multidisciplinary, social and economical science and humanities. Scientists may request allocations on high-performance computing (HPC) systems operated by CINECA: a top level (Tier-0) system "LEONARDO", a middle range (Tier-1) system "Galileo100", and some task specific machines (Cloud) and Quantum Simulator resources.
Tagline	ISCRA, the direct award in excess of 100 millions core hours, to support your research.
Logo	https://www.cineca.it/sites/default/files/loghi/logo-iscra-cineca.jpg
Multimedia	
Use case	
3. Classification Information	

Scientific Domain		Generic
	Scientific Subdomain	
Category		Compute
	Subcategory	Job Execution
Category		Data Storage
	Subcategory	Data; File; Archive; Online
Category		Software
	Subcategory	Libraries

Category		Application
	Subcategory	Utilities
Category		Development Resource
	Subcategory	Developer Tools; Software Development Kits; Software Libraries; APIs Repository/Gateway; Simulation Tools
Category		Data Management
	Subcategory	Access; Transfer; Preservation
Category		Data Analysis
	Subcategory	Machine Learning; Artificial Intelligence; Visualization
Category		Consultancy & Support
	Subcategory	Consulting; Application Scaling; Application Optimisation; Application Porting; Benchmarking; Technology Transfer
Tags		Researchers; Research groups; Research communities; Research projects ;Research organisations
4. Geographical and Language Availability Information		
Geographical Availability		Italy
Language		English
5. Resource Location Information		
Resource Geographic Location		
6. Contact Information		
Main Contact/Resource Owner		
Public Contact		
Helpdesk		
7. Maturity Information		
Technology Readiness Level		9 - actual system proven in operational environment
Life Cycle Status		
Certifications		
Standards		
Open Source Technologies		
Version		
Last Update		
Change Log		
8. Dependencies Information		
Required Resources		
Related Resources		
Related Platforms		
Catalogue		
9. Attribution Information		

Funding Body	
Funding Program	
Grant/Project Name	
10. Management Information	
Helpdesk Page	
User Manual	
Terms Of Use	
Privacy Policy	
Access Policy	
Resource Level	
Training Information	
Status Monitoring	
Maintenance	
11. Access and Order Information	
Order Type	Open Access
Order	
12. Financial Information	
Payment Model	
Pricing	Free of charge

1. Basic Information	
ID	
Name	Cristianesimo nella storia Online Archive
Abbreviation	
Resource Organisation	Fondazione per le scienze religiose (FSCIRE)
Resource Providers	FSCIRE, Il Mulino
Webpage	https://www.fscire.it/lang/eng/pubblicazioni/riviste
2. Marketing Information	

Description	Founded in 1980, Cristianesimo nella storia is a scientific journal edited by the Fondazione per le scienze religiose (FSCIRE) in Bologna. It hosts research by authoritative scholars on the historical path of Christianity, with particular attention to the contexts and cultures with which Christians have come into contact from the Old Testament and Judaic era to the present day. Every quarter Cristianesimo nella storia offers critical essays, reviews, notes and reviews that allow a critical evaluation of the hypotheses that have emerged in international scientific studies in the historical, theological and exegetical fields. Each year one issue is devoted to a monographic topic. This service offers online access to digitised copies of the journal's past issues (1980-2014).
Tagline	All digitized Cristianesimo nella Storia journal issues from 1980 to 2014, consisting of 99 titles.
Logo	https://drive.google.com/file/d/1SeDQM1Bi8ptj6RfIx28XbTD_TQ864aGc/view?usp=drive_link
Multimedia	
Use case	

3. Classification Information		
Scientific Domain	Humanities	
	Scientific Subdomain	History and archaeology; Languages and literature; Philosophy, ethics and religion; Other humanities
Scientific Domain	Other	
	Scientific Subdomain	Religious Studies
Category	Data	
	Subcategory	Scientific/Research data
Category	Scholarly Communication	
	Subcategory	Discovery
Category	Other	
	Subcategory	Data Source
Target Users	Researchers; Research communities; Students	
Access Type	Virtual	
Access Mode	Free	
Tags	Cristianesimo nella storia, Journal, Past-Issues Archive, Religious Studies, Open Access	

4. Geographical and Language Availability Information	
Geographical Availability	World
Language	English, Italian

5. Resource Location Information	
Resource Geographic Location	Italy

6. Contact Information
Main Contact/Resource Owner
Public Contact

Helpdesk	
7. Maturity Information	
Technology Readiness Level	3 - experimental proof of concept
Life Cycle Status	Design
Certifications	
Standards	
Open Source Technologies	
Version	
Last Update	
Change Log	
8. Dependencies Information	
Required Resources	
Related Resources	Since 2014, the Editorial Board provides the General Indexes of the journal in open access: https://www.rivisteweb.it/issn/0393-3598
Related Platforms	
Catalogue	
9. Attribution Information	
Funding Body	
Funding Program	
Grant/Project Name	
10. Management Information	
Helpdesk Page	
User Manual	
Terms Of Use	
Privacy Policy	
Access Policy	
Resource Level	
Training Information	
Status Monitoring	
Maintenance	
11. Access and Order Information	
Order Type	Open Access
Order	
12. Financial Information	
Payment Model	
Pricing	

Additional information for 'Data Source'

13. Data Source Policies	
Submission policy URL	

Preservation policy URL	
Version control	
Persistent Identity Systems - Research Data	
Persistent Identity Systems - Research Software	
Persistent Identity Systems - Research Literature	
Persistent Identity Systems - Other research products	
14. Data Source Content	
Jurisdiction	Global
Data Source Classification	Journal Archive
Research Product Types	Research Literature
Thematic	Yes
15. Research Product Policies	
Research Product Licensing	
Research Product Access Policy	Open access
16. Research Product Metadata	
Research Product Metadata Licensing	
Research Product Metadata Access Policy	Open access

1. Basic Information	
ID	
Name	International Fellowship
Abbreviation	
Resource Organisation	Fondazione per le scienze religiose (FSCIRE)
Resource Providers	
Webpage	https://static.fscire.it/ca/15/call-international-fellowship_eng-1.pdf
2. Marketing Information	

Description	The Fondazione per le scienze religiose (FSCIRE) is a research institution that publishes, trains, serves, organizes, welcomes and communicates research in the field of religious sciences, with particular regard to Christianity, Islam and the religions with which they have been in contact. A direct and constant collaboration sees junior and senior researchers working side by side every day around large shared research projects, placing FSCIRE among the international excellences for quality and quantity of research results. A call is open all year round for International Fellows willing to spend one year at the institute for full-time study or research.
Tagline	FSCIRE welcomes International Fellowship applications for a fully funded research period of one year in Bologna and Palermo
Logo	https://drive.google.com/file/d/1SeDQM1Bi8ptj6Rflx28XbTD_TQ864aGc/view?usp=drive_link
Multimedia	
Use case	

3. Classification Information		
Scientific Domain	Humanities	
	Scientific Subdomain	Philosophy, ethics and religion; History and archaeology; Languages and literature; Other humanities
Scientific Domain	Other	
	Scientific Subdomain	Religious Studies
Category	Scholarly Communication	
	Subcategory	Preparation; Discovery; Analysis; Writing; Publication; Outreach; Assessment
Category	Education & Training	
	Subcategory	Online Courses; In-house Courses; Related Training; Required Training
Category	Consultancy & Support	
	Subcategory	Methodology Development; Audit and Assessment; Consulting
Target Users	Researchers; Policy Makers	
Access Type	Physical	
Access Mode	Peer-reviewed	
Tags	Fellowship, In-Person, Religious Studies, Research	
4. Geographical and Language Availability Information		
Geographical Availability	World	
Language	English, Italian	
5. Resource Location Information		
Resource Geographic Location	Italy (Bologna and Palermo)	
6. Contact Information		
Main Contact/Resource Owner		
Public Contact		

Helpdesk	
7. Maturity Information	
Technology Readiness Level	9 - actual system proven in operational environment
Life Cycle Status	
Certifications	
Standards	
Open Source Technologies	
Version	
Last Update	
Change Log	
8. Dependencies Information	
Required Resources	
Related Resources	
Related Platforms	
Catalogue	
9. Attribution Information	
Funding Body	
Funding Program	
Grant/Project Name	
10. Management Information	
Helpdesk Page	
User Manual	
Terms Of Use	
Privacy Policy	
Access Policy	
Resource Level	
Training Information	
Status Monitoring	
Maintenance	
11. Access and Order Information	
Order Type	Access subject to successful application
Order	
12. Financial Information	
Payment Model	
Pricing	

1. Basic Information	
ID	
Name	Book Heritage Lab KU Leuven
Abbreviation	
Resource Organisation	Faculty of Theology and Religious Studies
Resource Providers	
Webpage	https://theo.kuleuven.be/apps/press/bookheritagelab/

2. Marketing Information	
Description	The Book Heritage Lab, is an interdisciplinary research centre of the KU Leuven founded in 2016. The lab focuses on diagnosis, research and conservation of medieval manuscripts, early printed books and documentary heritage. We concentrate on material history, book archaeology, preservation and scientific imaging.
Tagline	Research and Conservation of Library Heritage
Logo	https://theo.kuleuven.be/apps/press/bookheritagelab/
Multimedia	
Use case	https://maredsousbreviaire.be/s/maredsous-en/page/brevier

3. Classification Information		
Scientific Domain	Engineering & Technology	
	Scientific Subdomain	Electrical, electronic and information engineering
Scientific Domain	Humanities	
	Scientific Subdomain	History and archaeology; Languages and literature; Philosophy, ethics and religion; Arts; Other humanities
Scientific Domain	Other	
	Scientific Subdomain	Heritage science; conservation; digital humanities
Category	Instrument & Equipment	
	Subcategory	Digitisation equipment; Microscopy; Spectrometer; Other
Category	Data Analysis	
	Subcategory	Image/data analysis; Visualization; 2D/3D Digitisation
Category	Measurement & Materials Analysis	
	Subcategory	Characterisation; Validation; Other; Analysis
Category	Education & Training	
	Subcategory	In-house Courses; Open Registration Courses
Category	Consultancy & Support	
	Subcategory	Consulting; Methodology Development
Target Users	Researchers; Research groups; Research communities; Research projects; Research networks; Research managers; Research organisations; Students; Innovators; Policy Makers; Publishers; Funders	

Access Type	Physical
Access Mode	Free conditionally; Paid; Free; Peer-reviewed
Tags	Book heritage, conservation, digital humanities, preservation, library materials, documentary heritage, laboratory, collection management, art technology, manuscript studies, codicology, book archaeology
4. Geographical and Language Availability Information	
Geographical Availability	European Union; Euro Zone; Schengen Area; Europe; World
Language	English, Dutch, French, Italian
5. Resource Location Information	
Resource Geographic Location	Leuven, Belgium
6. Contact Information	
Main Contact/Resource Owner	
Public Contact	
Helpdesk	
7. Maturity Information	
Technology Readiness Level	9 - actual system proven in operational environment
Life Cycle Status	
Certifications	
Standards	
Open Source Technologies	
Version	
Last Update	
Change Log	
8. Dependencies Information	
Required Resources	
Related Resources	
Related Platforms	
Catalogue	
9. Attribution Information	
Funding Body	KU Leuven - Faculty of Theology and Religious Studies
Funding Program	
Grant/Project Name	
10. Management Information	
Helpdesk Page	https://theo.kuleuven.be/apps/press/bookheritagelab/contact-us-2/
User Manual	
Terms Of Use	
Privacy Policy	
Access Policy	
Resource Level	
Training Information	

Status Monitoring	
Maintenance	
11. Access and Order Information	
Order Type	Order Required
Order	https://theo.kuleuven.be/apps/press/bookheritagelab/contact-us-2/
12. Financial Information	
Payment Model	
Pricing	

1. Basic Information		
ID		
Name	Histdict	
Abbreviation	Histdict	
Resource Organisation	UniSofia	
Resource Providers		
Webpage	https://histdict-prep.comsoft.bg/	
2. Marketing Information		
Description	The Histdict system provides its users with mechanisms for creating a text corpus, uniting Slavic texts from the first written monuments to the present day, as well as their preliminary processing - adding comments, readings, red markings, etc. An extensive dictionary and support for references is also incorporated within Histdict system. The objective of the system is to create opportunities for morphological annotation of the added texts by specialists, in order to improve subsequent linguistic analyzes based on the textual richness of the corpus.	
Tagline	A unique digital platform for studying the Medieaval Religious Literature of the Slavs	
Logo	https://elinizb.uni-sofia.bg/images/elinizb-images/logo/logo-elinizb-retina.svg	
Multimedia	https://elinizb.uni-sofia.bg/en/	
Use case		
3. Classification Information		
Scientific Domain	Humanities	
	Scientific Subdomain	Languages and literature; Philosophy, ethics and religion; Arts
Category	Data	
	Subcategory	Scientific/Research data
Category	Software	

	Subcategory	Platform
Category		Application
	Subcategory	Education
Category		Data Analysis
	Subcategory	Other
Category		Education & Training
	Subcategory	Online Courses
Target Users		Researchers; Research groups; Research projects; Research networks; Research organisations; Students
Access Type		Virtual
Access Mode		Free; Free conditionally
Tags		
4. Geographical and Language Availability Information		
Geographical Availability		World
Language		OCS, Bulgarian, English for the menus
5. Resource Location Information		
Resource Geographic Location		
6. Contact Information		
Main Contact/Resource Owner		
Public Contact		
Helpdesk		
7. Maturity Information		
Technology Readiness Level		8 - system complete and qualified
Life Cycle Status		
Certifications		
Standards		
Open Source Technologies		
Version		
Last Update		currently
Change Log		
8. Dependencies Information		
Required Resources		computer with Internet connection
Related Resources		
Related Platforms		
Catalogue		
9. Attribution Information		
Funding Body		Bulgarian Ministry of Education and Sciences (MES)
Funding Program		European Structural Funds plus MES
Grant/Project Name		

10. Management Information	
Helpdesk Page	
User Manual	
Terms Of Use	
Privacy Policy	
Access Policy	
Resource Level	
Training Information	
Status Monitoring	
Maintenance	
11. Access and Order Information	
Order Type	Fully Open Access
Order	
12. Financial Information	
Payment Model	
Pricing	

Additional information for 'Data Source'

13. Data Source Policies	
Submission policy URL	
Preservation policy URL	
Version control	
Persistent Identity Systems - Research Data	
Persistent Identity Systems - Research Software	
Persistent Identity Systems - Research Literature	
Persistent Identity Systems - Other research products	
14. Data Source Content	
Jurisdiction	Research Infrastructure
Data Source Classification	Scientific Database
Research Product Types	Research Data
Thematic	Yes
15. Research Product Policies	
Research Product Licensing	
Research Product Access Policy	Open access
16. Research Product Metadata	
Research Product Metadata Licensing	

Research Product Metadata Access Policy	Open access

1. Basic Information		
ID		
Name	Online databases on sources related to the Bible and to Protestant theology of the 16th and 17th century Reformation	
Abbreviation		
Resource Organisation	Theological University Apeldoorn	
Resource Providers	Publishing house Droz in Geneva (droz.org)	
Webpage	https://www.tua.nl/en/library/online-databases	
2. Marketing Information		
Description	The service provides both links as well as direct access to theological and biblical sources.	
Tagline	Protestant theology	
Logo		
Multimedia		
Use case		
3. Classification Information		
Scientific Domain	Humanities	
Scientific Subdomain	Philosophy, ethics and religion	
Category	Scholarly Communication	
Subcategory	Preparation; Discovery; Outreach;	
Target Users	Researchers; Research groups; Research communities; Research projects; Research networks; Research organisations; Students; Funders; Policy Makers; Publishers;	
Access Type	Virtual	
Access Mode		
Tags		
4. Geographical and Language Availability Information		
Geographical Availability	World	
Language	English, Dutch	
5. Resource Location Information		
Resource Geographic Location		
6. Contact Information		
Main Contact/Resource Owner		
Public Contact		
Helpdesk		

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7. Maturity Information	
Technology Readiness Level	1 - basic principles observed
Life Cycle Status	
Certifications	
Standards	
Open Source Technologies	
Version	
Last Update	
Change Log	
8. Dependencies Information	
Required Resources	
Related Resources	
Related Platforms	
Catalogue	
9. Attribution Information	
Funding Body	
Funding Program	
Grant/Project Name	
10. Management Information	
Helpdesk Page	
User Manual	
Terms Of Use	
Privacy Policy	
Access Policy	
Resource Level	
Training Information	
Status Monitoring	
Maintenance	
11. Access and Order Information	
Order Type	Open Access
Order	
12. Financial Information	
Payment Model	
Pricing	

1. Basic Information	
ID	
Name	Digital Library of Slovenia
Abbreviation	dLib
Resource Organisation	University of Ljubljana
Resource Providers	National and University Library
Webpage	http://www.dlib.si/

2. Marketing Information	
Description	http://www.dlib.si/About.aspx
Tagline	
Logo	
Multimedia	https://www.youtube.com/watch?v=AqsxTgUJepw
Use case	

3. Classification Information		
Scientific Domain	Generic	
	Scientific Subdomain	
Category	Data Storage	
	Subcategory	Data; File; Online; Archive; Recovery; Digital preservation; Other
Category	Data	
	Subcategory	Statistical data; Scientific/Research data; Epidemiological data; Data archives; Other
Target Users	Researchers; Research groups; Research projects; Research networks; Research organisations; Students; Innovators; Research managers; Publishers; Other; Funders	
Access Type	Virtual; Physical	
Access Mode	Peer-reviewed; Other	
Tags		

4. Geographical and Language Availability Information	
Geographical Availability	World
Language	Slovenian, English

5. Resource Location Information	
Resource Geographic Location	Slovenia

6. Contact Information	
Main Contact/Resource Owner	
Public Contact	
Helpdesk	

7. Maturity Information	
Technology Readiness Level	1 - basic principles observed
Life Cycle Status	Discovery
Certifications	

Standards	
Open Source Technologies	COSEC
Version	
Last Update	
Change Log	
8. Dependencies Information	
Required Resources	
Related Resources	
Related Platforms	COBBIS
Catalogue	https://www.nuk.uni-lj.si/viri/katalogi
9. Attribution Information	
Funding Body	
Funding Program	
Grant/Project Name	
10. Management Information	
Helpdesk Page	
User Manual	
Terms Of Use	
Privacy Policy	
Access Policy	
Resource Level	
Training Information	
Status Monitoring	
Maintenance	
11. Access and Order Information	
Order Type	Open Access
Order	
12. Financial Information	
Payment Model	
Pricing	

1. Basic Information	
ID	
Name	Research Data Mangement
Abbreviation	

Resource Organisation		University of Münster
Resource Providers		Service Centre for Data Mangement, University and State Library of Münster
Webpage		https://www.uni-muenster.de/Forschungsdaten/
2. Marketing Information		
Description		it offers advice and support on all aspects of research projects and research data and also advise you on the preparation of project proposals.
Tagline		Advice and support for a project-specific sustainability concept for your research data
Logo		https://www.uni-muenster.de/imperia/md/images/ulb2/_v/logo.svg
Multimedia		
Use case		
3. Classification Information		
Scientific Domain		Generic
	Scientific Subdomain	
Category		Data Management
	Subcategory	Maintenance; Other
Category		Education & Training
	Subcategory	Other
Category		Consultancy & Support
	Subcategory	Consulting; Methodology Development; Other
Target Users		Researchers; Research groups; Research projects; Students
Access Type		Physical; Remote; Virtual; Mail-in
Access Mode		Free conditionally
Tags		
4. Geographical and Language Availability Information		
Geographical Availability		associated to University of Münster
Language		German, English
5. Resource Location Information		
Resource Geographic Location		
6. Contact Information		
Main Contact/Resource Owner		
Public Contact		
Helpdesk		
7. Maturity Information		
Technology Readiness Level		9 - actual system proven in operational environment
Life Cycle Status		
Certifications		
Standards		
Open Source Technologies		

Document Title: D2.2 User Services Catalogue
Status: FINAL
Version: 01.00

Version	
Last Update	
Change Log	
8. Dependencies Information	
Required Resources	
Related Resources	
Related Platforms	
Catalogue	
9. Attribution Information	
Funding Body	
Funding Program	
Grant/Project Name	
10. Management Information	
Helpdesk Page	
User Manual	
Terms Of Use	
Privacy Policy	
Access Policy	
Resource Level	
Training Information	
Status Monitoring	
Maintenance	
11. Access and Order Information	
Order Type	Order Required
Order	
12. Financial Information	
Payment Model	
Pricing	

1. Basic Information	
ID	
Name	Digital Library at Gazi Husrevbeg Library
Abbreviation	
Resource Organisation	Gazi Husrevbeg Library, University of Sarajevo
Resource Providers	
Webpage	https://digital.ghb.ba/ghb/fulltextSearchPage.xhtml

2. Marketing Information	
Description	Digital Library provides quick insight and access to the different funds held at the Library (manuscripts, periodicals, etc.)
Tagline	Access Gazi Husrevbeg Library funds from distance.
Logo	https://digital.ghb.ba/ghb/javax.faces.resource/images/logo-ghb.png.xhtml?ln=ghbiblioteka-layout
Multimedia	
Use case	

3. Classification Information		
Scientific Domain	Generic	
	Scientific Subdomain	
Scientific Domain	Humanities	
	Scientific Subdomain	History and archaeology; Languages and literature; Philosophy, ethics and religion; Arts
Category		
	Subcategory	
Target Users	Researchers; Students	
Access Type	Physical; Virtual; Other	
Access Mode		
Tags		

4. Geographical and Language Availability Information	
Geographical Availability	World
Language	Bosnian; English

5. Resource Location Information	
Resource Geographic Location	

6. Contact Information
Main Contact/Resource Owner
Public Contact
Helpdesk

7. Maturity Information	
Technology Readiness Level	9 - actual system proven in operational environment
Life Cycle Status	
Certifications	
Standards	
Open Source Technologies	
Version	
Last Update	
Change Log	

8. Dependencies Information	
Required Resources	

Related Resources	
Related Platforms	
Catalogue	
9. Attribution Information	
Funding Body	
Funding Program	
Grant/Project Name	
10. Management Information	
Helpdesk Page	
User Manual	
Terms Of Use	
Privacy Policy	
Access Policy	
Resource Level	
Training Information	
Status Monitoring	
Maintenance	
11. Access and Order Information	
Order Type	Open Access
Order	
12. Financial Information	
Payment Model	
Pricing	

Additional information for 'Data Source'

13. Data Source Policies	
Submission policy URL	
Preservation policy URL	
Version control	
Persistent Identity Systems - Research Data	
Persistent Identity Systems - Research Software	
Persistent Identity Systems - Research Literature	
Persistent Identity Systems - Other research products	
14. Data Source Content	
Jurisdiction	Institution
Data Source Classification	Repository
Research Product Types	Other research products; Research Literature

Thematic	Yes
15. Research Product Policies	
Research Product Licensing	
Research Product Access Policy	
16. Research Product Metadata	
Research Product Metadata Licensing	
Research Product Metadata Access Policy	

1. Basic Information		
ID		
Name	NUKAT - Catalogue of Polish Research Libraries	
Abbreviation	NUKAT	
Resource Organisation	University of Warsaw Library (BUW)	
Resource Providers	Aggregation of records from a wide range of Polish research libraries. The full list is available here: https://centrum.nukat.edu.pl/pl/biblioteki (in Polish).	
Webpage	https://centrum.nukat.edu.pl/	
2. Marketing Information		
Description	NUKAT aggregates bibliographic records from the vast majority of Polish research libraries and other academic collections and allows for quick and efficient browsing. It offers an invaluable source of fundamental information on the research literature in the country. Polish and English language versions are currently supported.	
Tagline	The ultimate browser for Polish research literature collections.	
Logo	https://centrum.nukat.edu.pl/pl/warsztat/materialy/logotypy	
Multimedia		
Use case		
3. Classification Information		
Scientific Domain	Generic	
	Scientific Subdomain	
Category	Data	
	Subcategory	Metadata; Other
Category	Education & Training	
	Subcategory	Other
Category	Scholarly Communication	
	Subcategory	Publication

Category	Aggregators & Integrators	
	Subcategory	Other
Access Type	Remote; Virtual	
Access Mode	Free; Free conditionally	
Tags	Polish libraries, research literature browser, NUKAT	
4. Geographical and Language Availability Information		
Geographical Availability	World	
Language	Polish, English	
5. Resource Location Information		
Resource Geographic Location	Poland	
6. Contact Information		
Main Contact/Resource Owner		
Public Contact		
Helpdesk		
7. Maturity Information		
Technology Readiness Level	9 - actual system proven in operational environment	
Life Cycle Status	Operation	
Certifications		
Standards	MARC21	
Open Source Technologies		
Version	3.2.SP2	
Last Update		
Change Log		
8. Dependencies Information		
Required Resources		
Related Resources		
Related Platforms		
Catalogue		
9. Attribution Information		
Funding Body	University of Warsaw Library, Poland's Ministry of Science and Higher Education	
Funding Program	SPUD subsidy	
Grant/Project Name		
10. Management Information		
Helpdesk Page		
User Manual		
Terms Of Use		
Privacy Policy		
Access Policy	https://centrum.nukat.edu.pl/pl/deklaracja-dostepnosci-centrum	

Resource Level	
Training Information	https://centrum.nukat.edu.pl/pl/szkolenia
Status Monitoring	
Maintenance	
11. Access and Order Information	
Order Type	Fully Open Access
Order	
12. Financial Information	
Payment Model	
Pricing	

Additional information for 'Data Source'

13. Data Source Policies	
Submission policy URL	
Preservation policy URL	
Version control	Yes
Persistent Identity Systems - Research Data	
Persistent Identity Systems - Research Software	
Persistent Identity Systems - Research Literature	
Persistent Identity Systems - Other research products	
14. Data Source Content	
Jurisdiction	National
Data Source Classification	Aggregator
Research Product Types	Research Literature
Thematic	No
15. Research Product Policies	
Research Product Licensing	
Research Product Access Policy	
16. Research Product Metadata	
Research Product Metadata Licensing	
Research Product Metadata Access Policy	

1. Basic Information	

ID	
Name	RDS - Social Data Repository
Abbreviation	RDS
Resource Organisation	Interdisciplinary Centre for Mathematical and Computer Modelling, University of Warsaw
Resource Providers	
Webpage	https://rds.icm.edu.pl/
2. Marketing Information	
Description	Live repository for raw research data contributed by social scientists, mostly from Poland.
Tagline	Discover data behind the social research undertaken in Poland!
Logo	https://drodb.icm.edu.pl/wp-content/uploads/2019/08/RDS.png
Multimedia	
Use case	

3. Classification Information		
Scientific Domain		Social Sciences
	Scientific Subdomain	Psychology; Economics and business; Educational sciences; Sociology; Political sciences; Social and economic geography; Media and communications; Other social sciences
Category		Data Storage
	Subcategory	Data;File; Online; Backup; Archive; Replicated; Recovery; Digital preservation
Category		Data
	Subcategory	Statistical data; Scientific/Research data; Metadata; Data archives
Category		Data Management
	Subcategory	Access; Persistent Identifier; Publishing; Discovery; Preservation; Maintenance; Embargo; Digitisation
Target Users		Researchers; Research groups; Research communities; Research projects; Research networks; Research managers; Research organisations; Students; Providers; Research Infrastructure Managers; Provider Managers; Resource Managers; Publishers
Access Type		Remote; Virtual
Access Mode		Free; Free conditionally
Tags		social sciences, repository, research data, university of Warsaw

4. Geographical and Language Availability Information	
Geographical Availability	World
Language	Polish, English

5. Resource Location Information	
Resource Geographic Location	Poland

6. Contact Information	
Main Contact/Resource Owner	

Public Contact	
Helpdesk	
7. Maturity Information	
Technology Readiness Level	9 - actual system proven in operational environment
Life Cycle Status	Operation
Certifications	
Standards	
Open Source Technologies	
Version	Dataverse v. 4.11
Last Update	May 22, 2020
Change Log	
8. Dependencies Information	
Required Resources	
Related Resources	
Related Platforms	
Catalogue	
9. Attribution Information	
Funding Body	University of Warsaw
Funding Program	
Grant/Project Name	
10. Management Information	
Helpdesk Page	https://rds.icm.edu.pl/
User Manual	https://repod.icm.edu.pl/guides/en/4.11/user/index.html
Terms Of Use	https://rds.icm.edu.pl/terms-of-use-page.xhtml
Privacy Policy	https://rds.icm.edu.pl/privacy-policy.xhtml
Access Policy	https://rds.icm.edu.pl/accessibility-statement.xhtml
Resource Level	
Training Information	
Status Monitoring	
Maintenance	
11. Access and Order Information	
Order Type	Fully Open Access
Order	
12. Financial Information	
Payment Model	
Pricing	

Additional information for 'Data Source'

13. Data Source Policies

Submission policy URL	https://repod.icm.edu.pl/guides/en/4.11/user/index.html
Preservation policy URL	https://repod.icm.edu.pl/guides/en/4.11/user/index.html
Version control	Yes
Persistent Identity Systems - Research Data	DOI
Persistent Identity Systems - Research Software	DOI
Persistent Identity Systems - Research Literature	
Persistent Identity Systems - Other research products	DOI
14. Data Source Content	
Jurisdiction	National
Data Source Classification	Repository
Research Product Types	Research Data; Other research products
Thematic	Yes
15. Research Product Policies	
Research Product Licensing	
Research Product Access Policy	embargoed access; open access; restricted access; metadata only access
16. Research Product Metadata	
Research Product Metadata Licensing	
Research Product Metadata Access Policy	Open access

1. Basic Information	
ID	
Name	REPOD - Repository for Open Data
Abbreviation	REPOD
Resource Organisation	Interdisciplinary Centre for Mathematical and Computer Modelling, University of Warsaw
Resource Providers	
Webpage	https://repod.icm.edu.pl/
2. Marketing Information	
Description	Live and up-to-date open-access repository hosting raw research data from all scientific and scholarly domains, mostly from Polish researchers.
Tagline	Open the door to data behind excellent research!
Logo	https://repod.icm.edu.pl/info/wp-content/uploads/2020/08/cropped-repod_logo_flattened.png
Multimedia	

Use case			
3. Classification Information			
Scientific Domain	Generic		
	Scientific Subdomain		
Category	Data Storage		
	Subcategory	Data; File; Archive; Backup; Replicated; Recovery; Digital preservation	
Category	Data		
	Subcategory	Statistical data; Scientific/Research data; Clinical trial data; Epidemiological data; Data archives	
Category	Data Management		
	Subcategory	Access; Persistent Identifier; Discovery; Preservation; Digitisation; Embargo	
Target Users	Researchers; Research groups; Research communities; Research projects; Research networks; Research managers; Research organisations; Providers; Funders; Policy Makers; Research Infrastructure Managers; Provider Managers; Resource Managers		
Access Type	Remote; Virtual		
Access Mode	Free; Free conditionally		
Tags	open data, repository, university of warsaw, research data		
4. Geographical and Language Availability Information			
Geographical Availability	World		
Language	Polish, English		
5. Resource Location Information			
Resource Geographic Location	Poland		
6. Contact Information			
Main Contact/Resource Owner			
Public Contact			
Helpdesk			
7. Maturity Information			
Technology Readiness Level	9 - actual system proven in operational environment		
Life Cycle Status	Operation		
Certifications			
Standards			
Open Source Technologies			
Version	Dataverse v. 4.11		
Last Update	May 22, 2020 (website)		
Change Log			
8. Dependencies Information			
Required Resources			
Related Resources			

Related Platforms	Social Data Repository - https://rds.icm.edu.pl/
Catalogue	
9. Attribution Information	
Funding Body	University of Warsaw
Funding Program	
Grant/Project Name	
10. Management Information	
Helpdesk Page	https://repod.icm.edu.pl/info/
User Manual	https://repod.icm.edu.pl/guides/en/4.11/user/index.html
Terms Of Use	https://repod.icm.edu.pl/terms-of-use-page.xhtml
Privacy Policy	https://repod.icm.edu.pl/privacy-policy.xhtml
Access Policy	https://repod.icm.edu.pl/accessibility-statement.xhtml
Resource Level	
Training Information	
Status Monitoring	
Maintenance	
11. Access and Order Information	
Order Type	Fully Open Access
Order	
12. Financial Information	
Payment Model	
Pricing	

Additional information for 'Data Source'

13. Data Source Policies	
Submission policy URL	https://repod.icm.edu.pl/info/
Preservation policy URL	https://repod.icm.edu.pl/info/
Version control	Yes
Persistent Identity Systems - Research Data	DOI
Persistent Identity Systems - Research Software	DOI
Persistent Identity Systems - Research Literature	
Persistent Identity Systems - Other research products	DOI
14. Data Source Content	
Jurisdiction	National
Data Source Classification	Repository
Research Product Types	Research Data; Research Software; Other research products
Thematic	No

15. Research Product Policies	
Research Product Licensing	https://repod.icm.edu.pl/info/
Research Product Access Policy	open access; restricted access; embargoed access; metadata only access
16. Research Product Metadata	
Research Product Metadata Licensing	https://repod.icm.edu.pl/info/
Research Product Metadata Access Policy	Open access

1. Basic Information		
ID		
Name	Ecotheology course	
Abbreviation	Ecotheology course	
Resource Organisation	Volos Academy for Theological Studies	
Resource Providers		
Webpage	https://churchgoesgreen.acadimia.org/	
2. Marketing Information		
Description	The blog "Green Orthodoxy: The Orthodox Church facing climate change" is an initiative of the Volos Academy of Theological Studies within the "Green Orthodoxy and parallel actions" program implemented in collaboration with WWF Greece. It aspires to publish and republish topical texts-interventions by theologians and also specialist scientists, news and information on the activity of the Orthodox Churches in environmental matters, as well as informative notes, videos, images on the latest developments regarding relevant issues at the national level, European as well as global news (always with reference to the source).	
Tagline	We publish and republish timely texts-interventions by theologians and also specialist scientists, news and information about the activity of the Orthodox Churches in environmental matters.	
Logo	https://churchgoesgreen.acadimia.org/wp-content/uploads/2023/07/acadimia_logo_gr.png	
Multimedia		
Use case		
3. Classification Information		
Scientific Domain	Humanities	
	Scientific Subdomain	Philosophy, ethics and religion
Category	Data Storage	
	Subcategory	Archive; Digital preservation
Category	Scholarly Communication	

	Subcategory	Writing; Publication
Category		Education & Training
	Subcategory	Online Courses; Open Registration Courses; In-house Courses; Training Tool; Training Platform
Target Users		Researchers; Research groups; Students;
Access Type		Physical; Remote; Virtual;Mail-in
Access Mode		Free; Peer-reviewed; Paid
Tags		
4. Geographical and Language Availability Information		
Geographical Availability		World
Language		Greek, English, French
5. Resource Location Information		
Resource Geographic Location		
6. Contact Information		
Main Contact/Resource Owner		
Public Contact		
Helpdesk		
7. Maturity Information		
Technology Readiness Level		1 - basic principles observed
Life Cycle Status		
Certifications		
Standards		
Open Source Technologies		
Version		
Last Update		
Change Log		
8. Dependencies Information		
Required Resources		
Related Resources		
Related Platforms		
Catalogue		
9. Attribution Information		
Funding Body		
Funding Program		
Grant/Project Name		
10. Management Information		
Helpdesk Page		
User Manual		
Terms Of Use		

Privacy Policy	
Access Policy	
Resource Level	
Training Information	
Status Monitoring	
Maintenance	
11. Access and Order Information	
Order Type	Open Access
Order	
12. Financial Information	
Payment Model	
Pricing	

10 Reference Documents

Reference documents are intended to provide background and supplementary information.

ID	Date	Title/Reference
R1	18/08/2022	GRANT AGREEMENT, Project: 101079792 — RESILIENCE PPP — HORIZON-INFRA-2021-DEV-02

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