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**Deployment of a common European data space
for cultural heritage**

PM. Periodic report M03

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TABLE OF CONTENTS

Highlights	4
Introduction	5
Abbreviations	6
Work package 1: Development and operation of the data space infrastructure	7
Task 1.1. Provide reliable data space infrastructure and quality of services	7
Task 1.2. Foster innovation, interoperability and compliance with other data spaces	10
Work package 2: Integration of high-quality data	12
Task 2.1. Develop and manage data governance mechanisms	12
Task 2.2. Data acquisition and data improvements	15
Task 2.3. Automated approaches towards data quality	19
Work package 3: Capacity building and fostering reuse	20
Task 3.1. Enhance cooperation throughout the data space	20
Task 3.2. Identify needs of user groups	23
Task 3.3. Build awareness and engagement	24
Task 3.4. Develop capacity building as a service	27
Task 3.5. Facilitate the provision of high quality data	28
Task 3.6. Facilitate the reuse of high quality data	31
Work package 4: Digital services for the public	36
Task 4.1. Deliver high-performing Europeana website	36
Task 4.2. Engage audiences with digital cultural heritage	39
Work package 5: Programme management	42
Task 5.1. Ensure continuous progress monitoring and reporting	42
Task 5.2. Governance	44
Task 5.3. Manage relations with other EU-funded projects	44
Task 5.4. Phasing-in and phasing-out periods	57
Annex: Progress on deliverables	58
Annex: Risk log	59

Highlights

Between Sep/Oct 2022, we updated 64 datasets and almost 2.8 million records. The updates contributed to an increase in the data quality.

On 18-19 October 2022 the Europeana Aggregators' Forum (EAF) got together for a hybrid meeting to celebrate the 10th anniversary of the EAF. 31 out of the 40 accredited aggregators attended and contributed to the meeting. Core topic was the development of the European data space for cultural heritage, to raise awareness for the EC recommendations and discuss needs and next steps for aggregators.

On 28 - 30 November 2022 we organised the Europeana 2022 annual event, each day of the conference focused on a theme of importance to the cultural heritage sector, from the data space for cultural heritage to storytelling to technology. The event saw 944 participants (190 in person, 754 online participants) and 83% stated that they were satisfied or completely satisfied with the event.

Throughout October 2022, we organised the annual contest GIF IT UP, aiming to inspire reuse and participation by creating new GIFs from open access digital collections.

Introduction

The periodic report describes work carried out under the common European data space for cultural heritage from 1 September 2022 (M1) until 31 October 2022 (M2) based on the implementation plan (PM. Implementation plan M1).

The report is organised in five work packages (WP): WP1) Development and operation of the data space infrastructure; WP2) Integration of high-quality data; WP3) Capacity building and fostering reuse; WP4) Digital services for the public; and WP5) Programme management (including the balance of efforts as well as reporting on integrations of other EU-funded projects).

All outcomes to be completed in Y1 (Sep 2022 - Aug 2023, as stated in PM. Implementation plan M1) are included in this periodic report with % of completion and expected due date. For outcomes completed in the reporting period a description is added that highlights the objective and result of the outcome and its value for the data space. Additionally, the consortium will report on all outcomes marked as “ongoing” bi-annually (Feb and Aug 2023).

Key Performance Indicators (KPIs) as well as other reporting metrics are provided and discussed in case of notable occurrences.

[Annex: Risk log](#) includes an assessment of foreseen and observed risks with risk responses and other relevant details. The Risk log will be updated periodically and an updated version is attached to this report.

Explanatory notes for tables reporting - colour codes

	Outcomes as stated in the implementation plan ¹
%	Progress until end of current reporting period

¹ Outcomes as stated in the implementation plan are marked with light blue background to be able to refer back to the initial implementation plan. Additional efforts/reporting is added with a transparent background.

Abbreviations

Consortium participants

EF	Europeana Foundation, The Netherlands (Coordinator)
AIT-Graz	AIT Angewandte Informationstechnik Forschungsgesellschaft mbH, Austria
AIT-Vienna	AIT Austrian Institute of Technology GmbH, Austria
APEF	Archives Portal Europe Foundation, The Netherlands
CAPG	Capgemini Nederland BV, The Netherlands
CARARE	Connecting Archaeology and Architecture in Europe, Ireland
DARIAH	Digital Research Infrastructure for the Arts and Humanities, France
DATO	Datoptron P.C., Greece
DFF	Deutsches Filminstitut & Filmmuseum e.V., Germany
EFHA	European Fashion Heritage Association, Italy
EUN	EUN Partnership AISBL, Belgium
EuroClio	Euroclio European Association of History Educators, The Netherlands
F&F	Facts & Files Digital Services GmbH, Germany
INCEPTION	Inception s.r.l, Italy
MCA	Michael Culture AISBL, Belgium
NISV	Stichting Nederlands Instituut voor Beeld en Geluid, The Netherlands
Photocons	International Consortium for Photographic Heritage Photoconsortium, Italy
PSNC	Instytut Chemii Bioorganicznej Polskiej Akademii Nauk - Poznańskie Centrum Superkomputerowo-Sieciowe, Poland
TMO	Time Machine Organisation, Austria

Other

CHIs	Cultural Heritage Institutions
DS AGG	Data space aggregators
EAF	Europeana Aggregators' Forum
EDM	Europeana Data Model
ECBF	Europeana Capacity Building Framework
EIF	Europeana Impact Framework
ELF	Europeana Licensing Framework
ENA	Europeana Network Association
EPF	Europeana Publishing Framework
IIIF	International Image Interoperability Framework

Please see [glossary available on Europeana Pro](#) for more formal definitions of terms used frequently.

Work package 1: Development and operation of the data space infrastructure

This work package aims to provide a reliable data space infrastructure and quality of service (Task 1.1.), as well as foster innovation, interoperability and compliance with other data spaces (Task 1.2.).

Task 1.1. Provide reliable data space infrastructure and quality of services

Partners: EF, AIT-Vienna, PSNC, DATO, and AIT Graz

The data space infrastructure will build upon the current Europeana Digital Service Infrastructure (Europeana DSI). Europeana DSI consists of four digital products: the Europeana website, Europeana Pro website, APIs, and aggregation systems. Underlying all of these products is the infrastructure to host, monitor, and recover systems.

Under this task, the Europeana DS consortium will extend and maintain the overarching platform infrastructure and services (Activity 1.1.1.), aggregation systems (Activity 1.1.2.), and APIs (Activity 1.1.3.). The Europeana website will be further developed as part of WP4: Digital services for the public and the Europeana Pro website as part of WP3: Capacity building and fostering reuse.

Overview of outcomes: provide reliable data space infrastructure and quality of services

Partner	Outcomes	Progress	Due date
Activity 1.1.1. Extend and maintain platform infrastructure and services			
EF	Inventory of the current identifications schemes used in the data repository delivered	5%	Feb 2023
EF	Requirements for improved persistence and unique identification system in the core platform gathered	5%	Feb 2023
PSNC	eCloud processing model reviewed and refactored	Not started	Jun 2023
EF	Report on one selected area for experimentation and assessment of permanent and unique identifiers completed (including recommendations for future work)	Not started	Jul 2023
EF	Logging infrastructure further extended	Not started	Aug 2023
EF, AIT Vienna	Prototype framework for post publication enrichment pipeline delivered	Not started	Aug 2023
EF	New metrics to assess the performance of the Metis aggregation infrastructure defined and implemented	Not started	Aug 2023

EF	Full disaster recovery test completed ²	-	Ongoing
EF	Europeana database reprocessing activities ³	-	Ongoing
EF	Infrastructure supporting products and services are maintained - 80% in M1/M2	-	Ongoing
EF	Compliance with data protection maintained ⁴	-	Ongoing
Activity 1.1.2. Extend and maintain aggregation systems and services			
EF	API allowing the integration of the Metis service(s) decided and validated for implementation	Not started	Jan 2023
EF	Metis infrastructure migrated to Kubernetes	25%	Jun 2023
EF, DATO	API allowing the integration of one of the Metis services developed	Not started	Aug 2023
PSNC	IIIF image service updated to use a more openly licensed software	10%	Aug 2023
DATO	MINT based infrastructures upgraded to support incremental harvesting	Not started	Aug 2023
AIT-Graz	Use of IIIF within aggregators' infrastructure supported	5%	Aug 2023
EF	Field warnings mechanism in the Metis Suite extended with new problem patterns	-	Ongoing
EF, PSNC	The Metis applications are maintained and kept up-to-date - 40% in M1/M2	-	Ongoing
Activity 1.1.3. Extend and maintain Application Programming Interfaces (APIs)			
EF	Record API is redesigned	5%	May 2023
EF, AIT Vienna	All APIs migrated to Kubernetes	20%	Jun 2023
EF	Satisfaction survey for the alpha version of the Record API completed	Not started	Jul 2023
EF	Recommendation service redeveloped	Not started	Aug 2023
EF, AIT Vienna	First version of a Translation API is established	Not started	Aug 2023

² This outcome will feed into DS. Stress test reports.

³ Outcomes in other tasks might require a reprocessing activity. The planning will be aligned with those outcomes.

⁴ According to the Regulation (EU) 2018/1725 concerning the processing of personal data by the EU institutions (IDPR)

EF, AIT Vienna	Europeana APIs are maintained and well performing - 20% in M1/M2	-	Ongoing
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The Metis applications are maintained and kept up-to-date - In Sep/Oct 2022, we worked on the performance of the Sandbox, based on learnings from the performance tests that we conducted on the application during Europeana DSI-4. We are already seeing a gradual increase in usage of the application, and we wish to be prepared for a further increase. The first priority is to eliminate the potential for data conflicts (i.e. multiple processes attempting to change the same data). This will allow us to scale the application to meet demand.

Reporting metrics: provide reliable data space infrastructure and quality of services

No.	Description	Measured by	Frequency	Target	Sep 2022	Oct 2022
KPI 1.1	Records with a unique permanent identifier in the data repository	Total number of records	Annually	N/A⁵	-	Baseline expected Feb 2023
KPI 1.2	Response time of Europeana website	Average time (seconds) for single record per month	Monthly	1.5s	1.7	1.2
KPI 1.3	Uptime of Europeana website	Average in % for single record per month	Monthly	99.90%	99.35	97.99
KPI 1.4	Uptime of public APIs (all)	Average in % per month	Monthly	99.90%	99.60	97.92
KPI 1.5	Uptime of Europeana Pro	Average in % per month	Monthly	99.90%	99.96	99.91
RM 1.1	Europeana website meets the WCAG 2.1 conformance level AA	Homepage and item pages (except for the media) meet the WCAG 2.1 conformance level AA accessibility standard	Annually	-	-	Expected Jul 2023
RM 1.2	Response time of all public APIs	Average response time (seconds) per month	Monthly	-	0.29	0.23

⁵ The associated technology and processes first need to be established. EF will identify the baseline in February 2023 and a future target by August 2023 (a target will be added to the Y2 metrics framework).

RM 1.3	Response time of Europeana Pro	Average response time (seconds) per month	Monthly	-	1.00	0.98
RM 1.4	Europeana Pro meets the WCAG 2.1 conformance level AA	Homepage and main landing pages in IA meet the WCAG 2.1 conformance level AA accessibility standard	Annually	-	-	Expected Jul 2023
RM 1.5	Uptime of Metis	Average in % per month	Monthly	-	100.00	100.00
RM 1.6	Data publication in Metis	Average time required for publication of datasets in Metis	Bi-annually	-	-	Expected Feb 2022
RM 1.7	Reach to EuropeanaTech community	Number of people reached per month (Mailing list, Twitter)	Quarterly	-	-	6,531

Report on uptime (KPI 1.3 and KPI 1.4) - During the night of the 25 to 26 October both the API Gateway and the IIIF Gateway started returning a HTTP 500 response. After investigations, the team discovered that the issue was caused by an update done by our infrastructure provider IBM on their routers (enforcing https) which clashed with our internal configuration (http based). All API gateways configurations were changed to forward requests over https.

Task 1.2. Foster innovation, interoperability and compliance with other data spaces

Partners: EF, NISV, DATO, AIT Vienna, CAPG

Under this task, the Europeana DS consortium will continue to innovate the core service infrastructure to make it interoperable with the data spaces ecosystem. More specifically, the partners will review the aggregation operational model in light of the data governance model for the data space and the new technologies available to support the exchange of semantic data (Activity 1.2.1.). The consortium will also run investigations to become fully compliant with the Data Spaces Technical Framework and the Data Space Support Centre recommendations (Activity 1.2.2.). For this purpose, the consortium will gather and communicate the needs and requirements of the data space for cultural heritage to the Data Space Support Centre and,

reciprocally, follow the Centre’s procedures and requirements to ensure seamless and sustainable operation of the data space for cultural heritage.

The consortium will keep supporting the EuropeanaTech community as a space for technological innovation, development and sharing of best practices (notably about interoperability) for digital cultural heritage (Activity 1.2.3.).

Overview of outcomes: foster innovation, interoperability and compliance with other data spaces

Partner	Outcomes	Progress	Due date
Activity 1.2.1. Investigate innovative scenarios for aggregation models			
EF	Roadmap for the Aggregation Strategy reviewed and updated	Not started	Dec 2022
EF	Response to ENA/EAF task force reports ⁶ from the perspective of the Aggregation Strategy	Not started	Jun 2023
EF, NISV, DATO	List of functional requirements for data aggregation in the data space delivered	Not started	Aug 2023
Activity 1.2.2. Synergies with other European data spaces			
EF, AIT Vienna, NISV, CAPG	Report to update on synergies with other European data spaces	Not started	Jun 2023
EF	Collaboration with the Data Space Support Center	-	Ongoing
Activity 1.2.3. Support interoperability and technological innovation for digital cultural heritage			
EF, NISV	EuropeanaTech community ⁷ is supported	-	Ongoing
EF	EDM coordinated and documented	-	Ongoing
EF	Data mapping and conversions with stakeholders is supported	-	Ongoing
EF	Continuous involvement in IIF community (e.g. IIF Executive Committee, Technical Review Committee)	-	Ongoing
EF	Data Quality Committee ⁸ is supported	-	Ongoing

Communication and dissemination activities: foster innovation, interoperability and compliance with other data spaces

Partner	Name of event	Activity	Location	Date
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⁶ Including ENA and EAF task forces on the topics on Linked Data and Solid technologies (launched Nov 2022).

⁷ <https://pro.europeana.eu/page/europeanatech>

⁸ <https://pro.europeana.eu/project/data-quality-committee>

EF	25th International Conference on Theory and Practice of Digital Libraries (TPDL21)	Presentation of paper "Implementation and evaluation of a multilingual search pilot in the Europeana digital library"	Padua, Italy	20-23/09/2022
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Reporting metrics: foster innovation, interoperability and compliance with other data spaces

No.	Description	Measured by	Frequency	Target	Sep 2022	Oct 2022
RM 1.7	Reach to EuropeanaTech community	Number of people reached per month (Mailing list, Twitter)	Quarterly	-	-	6,531

Work package 2: Integration of high-quality data

This work package aims to contribute to a significant and sustained increase of high quality, usable and accessible data in the data space, with a special focus on 3D (Task 2.2.). The efforts will contribute to an increase in high quality tiers by at least 10% each year. The consortium aims, to the best of its capacity, for all new data to be in tier 2 for content and tier A for metadata, as defined by the current Europeana Publishing Framework.

To achieve these objectives, the Europeana DS consortium will integrate the requirements needed to implement the EC recommendations and the Digital Europe programme⁹ and will collaborate closely with the cultural heritage community, the member states (in the framework of the CEDCHE) and the European Commission. New and extended data governance mechanisms will also be developed to support the provision and management of data within the data space (Task 2.1.).

Finally, the Europeana DS consortium will work on automated approaches to address data quality issues at scale (Task 2.3.).

Task 2.1. Develop and manage data governance mechanisms

Partners: EF, CAPG, INCEPTION, DS AGG

The Data Space governs data through various organisational tools, principles, processes and standards that are harmonised so that the data is interoperable, manageable, reliable and remains useful in the future. These will progressively evolve to enable new objectives of the data space for cultural heritage, stronger safeguards for privacy and data protection, more and varied partners, more decentralised data systems, and opportunities for cooperation with other data spaces, in the form of a Data Governance Mechanism for the data space. (Activity 2.1.1.)

⁹ <https://digital-strategy.ec.europa.eu/en/news/commission-proposes-common-european-data-space-cultural-heritage>

The Europeana Publishing Framework (EPF), the Europeana Data Model (EDM) and the Europeana Licensing Framework (ELF) will be reviewed to accommodate new activities and areas, for instance, for better representing 3D. (Activity 2.1.2. - Activity 2.1.3.)

Overview of outcomes: develop and manage data governance mechanisms

Partner	Outcomes	Progress	Due date
Activity 2.1.1. Identify data governance requirements and objectives			
EF, CAPG	Strategy and plan for the development of a Data Governance Mechanism v1 for the data space developed (internal)	50%	Dec 2022
EF	Strategy and plan for the Data Governance Mechanism published	Not started	Jan 2023
EF	Enrichment policy v1 developed (internal)	50%	Jan 2023
EF	Progress report on the strategy and plan for the development of Data Governance Mechanism, including on the cooperation agreement (internal)	Not started	Mar 2023
EF	Enrichment policy v2 validated (public)	Not started	Aug 2023
EF, CAPG	Strategy and plan for the development of the Data Governance Mechanism v2 updated (internal)	Not started	Aug 2023
EF, CAPG	Report evaluating European and national practices, objectives, requirements and mechanisms on the governance of cultural heritage sector data, including licensing and data protection completed	Not started	Aug 2023
Activity 2.1.2. Develop and expand data governance frameworks and standards			
EF	Proposal for EPF as a tool to measure enrichment improvements	70%	Dec 2022
EF, INCEPTION, CARARE	Initial review of EDM to support 3D completed	Not started	Mar 2023
EF	Validation of the EPF as a tool to measure enrichment improvements	Not started	Jun 2023
EF, CARARE	Review EPF for 3D completed	5%	Aug 2023
EF	Review of EPF to support transcriptions & subtitles	Not started	Aug 2023
Activity 2.1.3. Manage data governance frameworks and standards			
EF	Ownership models and consultation processes to ensure wider stakeholder involvement in the adoption, development, and	Not started	May 2023

	implementation of data governance standards and frameworks defined		
EF	Implementation metrics for ELF and its core elements defined	Not started	Aug 2023
EF	Areas for development, gaps & opportunities of EPF services and products identified and specified using the Framework Management Template	5%	Aug 2023
EF, DS AGG	List of metadata and content issues patterns is maintained	-	Ongoing
EF	Data Quality Committee ¹⁰ is supported	-	Ongoing
EF	Europeana Copyright Community is supported	-	Ongoing
EF	Rights Statements Consortium is supported	-	Ongoing
EF	Continuous involvement in the Rights Statements Consortium community (e.g. Steering Committee, Statements Working Group)	-	Ongoing

Communication and dissemination activities: develop and manage data governance mechanisms

Partner	Name of event	Activity	Location	Date
EF	CNCI Digitisation and Cataloguing Group: Increasing Access and Discoverability Seminar ¹¹	Presentation on the out of commerce works system and the materials and work developed by the out of commerce works working group to support	Online / Dublin	19/10/2022
EF	No Time to Wait Conference ¹²	Presentation by the copyright community to share the work and capacity building resources developed by the community, in particular in the area of using rights statements and facilitating reuse	Online / The Hague	27/10/2022

Reporting metrics: develop and manage data governance mechanisms

No.	Description	Measured by	Frequency	Sep 2022	Oct 2022
RM 2.1	Reach to Europeana Copyright community	Number of people reached per month (Mailing list, Twitter)	Quarterly	-	4,192

¹⁰ <https://pro.europeana.eu/project/data-quality-committee>

¹¹ <https://chesterbeatty.ie/whats-on/cnci-digitisation-and-cataloguing-group-increasing-access-and-discoverability/>

¹² <https://mediarea.net/NoTimeToWait6>

Task 2.2. Data acquisition and data improvements

Partners: EF, DATO, INCEPTION, TMO, DS AGG

This task will aim to develop processes and practices to support efficient data acquisitions and data improvements. The Europeana DS consortium will improve the communication mechanism around data quality. Reports and feedback about data quality will be better integrated in the data producers workflows so the communication about data quality issues can be more productive and directly contribute to a quality increase. (Activity 2.2.1.)

EF and the Europeana DS aggregators will work together to improve the quality of data in key areas directly impacting the digital services made available in the data space, for instance, the multilingual accessibility across all services. The consortium will identify opportunities for data cleaning, data conversion or general data quality improvements through clear data quality reports provided by the Metis Suite throughout the data aggregation workflow. EF will proactively contact data aggregators to make sure data issues are solved at source as much as possible. (Activity 2.2.2.)

The data quality increase will be supported by bringing new CHIs in. The consortium will reactivate dormant collaborations with existing aggregators to make new and updated content and metadata available to the data space. A data campaign will also be run by the Europeana DS consortium together with the Europeana Aggregators' Forum to actively seek CHIs owning 3D content and channel the content to the data space for cultural heritage. (Activity 2.2.3. - Activity 2.2.4.)

Overview of outcomes: data acquisition and data improvements

Partner	Outcomes	Progress	Due date
Activity 2.2.1. Develop workflows and practices that support efficient data acquisitions and data improvements			
EF	Selection process for dataset samples in the Sandbox adjusted and optimised	Not started	Dec 2022
EF	Mechanism to prevent the publication of content tier 0 records in Metis implemented	75%	Dec 2022
EF	Prioritisation process for managing the data ingestion backlog refined	10%	Feb 2023
EF	User experience in the Metis Sandbox improved	10%	Apr 2023
EF	Requirements for user account in the Metis Suite collected and prioritised	Not started	May 2023
EF	Welcome pack to CHIs developed and disseminated	Not started	Aug 2023

EF	Data Quality reports in the Metis Suite improved	Not started	Aug 2023
EF, DS AGG	Status update on usage and engagement of DS aggregators with the Metis Sandbox	Not started	Aug 2023
EF	Statistics Dashboard maintained and kept up-to-date	-	Ongoing
EF	Processes for the provision of accurate (or improvement of) rights information reviewed	-	Ongoing
EF	Process for the analysis, notification and take down of materials with personal or sensitive data reviewed	-	Ongoing
Activity 2.2.2. Raise the quality and access to existing content and metadata			
DS AGG	Europeana DS AGG annual work plans including quality objectives and/or targets per aggregator (internal) completed	100%	Oct 2022
EF	Third iteration of organisation pages delivered	5%	Jul 2023
DS AGG	Europeana DS AGG annual progress report completed	Not started	Aug 2023
EF	Report on the coverage of the entity collection and precision of relationships to items in entity collection	Not started	Aug 2023
DATO	Support to the MINT based infrastructures	-	Ongoing
EF	Data quality improvements and new content delivered	-	Ongoing
EF	Data partners supported with data quality improvements and data publication	-	Ongoing
EF	Regular link resolution process is maintained	-	Ongoing
Activity 2.2.3. Engage with inactive and new data partners			
EF	Report on actions taken and results achieved to re-engage with inactive partners (internal) completed	Not started	Aug 2023
Activity 2.2.4. Aggregate 3D content			
EF	3D working group is created	Not started	Dec 2022
EF, TMO	Brief for the 3D campaign developed	Not started	Feb 2023
EF, CARARE, INCEPTION, TMO	Update on the availability of high quality 3D content available in the data space	Not started	Aug 2023
CARARE, EF	Specifications and guidelines for the provision of 3D content developed	Not started	Aug 2023

EF	Knowledge Base pages for 3D available and updated	-	Ongoing
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Europeana DS AGG annual work plans including quality objectives and/or targets per aggregator (internal) completed - the aggregators' work plans for the eight DS consortium aggregators and BL as subcontractor define a list of data quality issues common or specific to each Europeana DS aggregator. The plans indicate how each aggregator plans to contribute to data quality goals and tier improvements. In addition to activities related to data quality, aggregators are part of many other activities across all four WPs. Their contribution to these activities is specified in the work plans too. This ranges from consultations to various parts of our product development work to the development of editorials and the development of training for CHIs.

3D content - 3D was the subject of two sessions at the Europeana 2022 conference, both organised by CARARE. CARARE's own conference and annual meeting¹³, taking place on the day prior to the Europeana conference also focussed on 3D. These events highlighted Europeana's call for more 3D content and, in particular, targeted CARARE partners, Sketchfab users, and the archaeological community.

Reporting metrics: data acquisition and data improvements

No.	Description	Measured by	Frequency	Target	Sep 2022	Oct 2022
KPI 2.1	High quality data	Number of Tier 2+ material in Tier A+ (excl. content Tier 0)	Monthly	27.15 million	26.8 million	27.3 million
KPI 2.2	High quality content	Percentage of Tier 2 + material (excl. content Tier 0)	Monthly	>75%	70.84%	71.06%
KPI 2.3	High quality and reusable content	Percentage of Tier 3+ material (excl. content Tier 0)	Monthly	>55%	51.00%	51.57%
KPI 2.4	High quality metadata (search, browse and explore)	Percentage of Tier A+ material (excl. content Tier 0)	Monthly	>75%	70.92%	71.67%
KPI 2.5	Broken links in the repository	Percentage of broken links (out of total, incl. content Tier 0)	Quarterly ¹⁴	<1%	3.21%	Expected Dec 2022
KPI 2.6	Non-EPF compliant content (Tier 0)	Percentage of Tier 0 content	Quarterly	<10%	-	11.88%

¹³ <https://www.carare.eu/en/events/carare-2022-connecting/>

¹⁴ Number of broken links are measured quarterly (Sep, Dec, Mar, Jun).

RM 2.2	Updates to datasets	Total number of newly created and updated datasets per month (out of total)	Monthly	-	22	42
RM 2.3	Updates to records	Total number of newly created and updated records per month (out of total)	Monthly	-	974,929	1,779,547
RM 2.4	New CHIs published on Europeana website	Total number of new CHIs (cumulative)	Annually	-	-	Expected Aug 2022
RM 2.5	New content on the Europeana website	Total number of new datasets published (cumulative)	Quarterly	-	-	15
RM 2.6	Records in the data repository	Total number of records (excluding content tier 0)	Quarterly	-	-	54,453,853
RM 2.7	Records in the data repository by accredited aggregators	Total number of records (excluding content tier 0)	Quarterly	-	-	40,295,876
RM 2.8	3D content available in Europeana (items)	Total number of 3D items published (Tier 2+ and Tier A+ material)	Quarterly	-	-	10,769
RM 2.9	3D content available in Europeana (CHIs)	Total number of CHIs sharing 3D content with Europeana (Tier 2+ and Tier A+ material)	Quarterly	-	-	45
RM 2.10	Coverage of entity collection (items)	Total number of items linked to (at least) one entity collection	Quarterly	-	-	35,515,881

RM 2.11	Coverage of entity collection (collections)	Total number of entity collections with items	Quarterly	-	-	27,223
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Between Sep/Oct 2022, we updated 64 datasets and almost 2.8 million records. The updates contributed to an increase in the data quality.

In Sep 2022, we measured 3.21% of broken links in the data repository (out of total, incl. content Tier 0). EF is in the process of fixing a dataset with 1.5m records that have broken links. Once completed this will bring the percentage of broken links down to <1% (expected Dec 2022).

Task 2.3. Automated approaches towards data quality

Partners: EF, DATO

In this task, we will work on automated approaches to address data quality issues at scale. EF and DATO will continue to improve the data enrichment process to create accurate links between cultural heritage item descriptions and contextual resources. EF will also continue testing and implementing AI technologies. This work will be accompanied by refinement and publication of methodologies to better validate and evaluate the results from automated approaches to data quality. EF will promote the use of AI solutions and the datasets developed for cultural heritage to other data spaces. (Activity 2.3.1.)

Overview of outcomes: automated approaches towards data quality

Partner	Outcomes	Progress	Due date
Activity 2.3.1. Use of AI to enrich metadata and content			
EF, DATO	Enrichment algorithm is improved (e.g. addressing ambiguity)	Not started	Jun 2023
EF	One AI solution (image resolution enhancement) deployed at scale	5%	Aug 2023
EF	Validation and evaluation methodology of (AI) enrichment results (V1) published	Not started	Aug 2023
EF	Report on two new selected areas for experimentation and assessment of AI (including assessment of relevant work in GS projects) completed	Not started	Aug 2023

Work package 3: Capacity building and fostering reuse

The overarching objective of WP3 is to strengthen the capacity of professionals and reuse communities working with digital cultural heritage.

Specifically, it will develop capacity among cultural heritage professionals to create high quality data that can be used in a wide range of user scenarios. This WP will work with the Europeana Network Association (ENA) and the Europeana Aggregator's Forum (EAF) to develop training, events and interaction programmes that will allow its members, and cultural heritage professionals at large, to learn to use the tools and services provided by the data space and become agents of change in their organisations and in the sector.

Equally, this work package will develop capacity for the use and reuse of high quality data in specified communities such as education, research and the developer communities and it will investigate possibilities for closer collaboration with the Media and Tourism data spaces.

Both of these efforts will be underpinned by a solid user and market research programme, a further development of our tools and services for collaboration that enable the communities to thrive, and an outreach and dissemination strategy to strengthen the position of the data space with key identified professional audiences.

Task 3.1. Enhance cooperation throughout the data space

Partners: EF, DFF, NISV

Under this task the Europeana DS consortium will support, maintain and develop effective coordination of activities of the data space, with specific emphasis on leveraging the synergies of the Europeana Network Association (ENA)¹⁵ and the Europeana Aggregators' Forum (EAF)¹⁶, to identify and manage collective actions that facilitate a rewarding and motivating experience for CHI's. It will support the aims of the data space to enable cross border cooperation and collaboration, utilising the expertise of professionals from the ENA and EAF. (Activity 3.1.1. - Activity 3.1.2.)

EF, together with the Member State holding each presidency of the Council of the EU, will invite the CEDCHE Expert Group members, relevant experts and policy makers to discuss, align visions and expectations, or form a shared understanding of important, challenging, or new topics for the creation and development of the data space. (Activity 3.1.3)

Overview of outcomes: enhance cooperation throughout the data space

Partner	Outcomes	Progress	Due date
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¹⁵ <https://pro.europeana.eu/network-association/sign-up>

¹⁶ <https://pro.europeana.eu/page/aggregators>

Activity 3.1.1. Develop methods of cooperation			
EF	Approach to creating a rewarding experience for CHI evaluated	5%	Mar 2023
EF	Thematic programme of activity across the data space ecosystem developed	Not started	Apr 2023
EF	Improved model of cooperation across the data space ecosystem developed (V1)	15%	May 2023
EF	Pilot for improved model of cooperation completed	Not started	Aug 2023
EF	Thematic programme of activity developed and maintained	-	Ongoing
Activity 3.1.2. Provide secretariat for Europeana Aggregators' Forum (EAF) and Europeana Network Association (ENA)			
EF	ENA General Assembly organised	90%	Nov 2022
EF	Annual reporting for ENA and EAF activities published	50%	Jan 2023
EF	Strategy for ENA/EAF outreach and engagement developed	Not started	Jun 2023
EF, DFF, NISV	Evaluation report of accreditation scheme (internal)	Not started	Aug 2023
EF	Assessment of connection between ENA and EAF members completed	Not started	Aug 2023
EF	New aggregators reviewed for accreditation	-	Ongoing
EF	EF, ENA and EAF periodic meetings organised (incl. ENA MB and MC, and EAF Steering Group and EAF meeting)	-	Ongoing
EF	General management support for Task Forces, Working Groups and communities (ENA/EAF/Europeana Initiative)	-	Ongoing
EF	Aggregators' Forum Fall (Hybrid - 10th anniversary) ¹⁷	100%	Oct 2022
Activity 3.1.3. Support national digital strategies to increase high quality data			
EF	Czech Republic Presidency Europeana activity organised	70%	Dec 2022
EF	Czech Republic Presidency Europeana activity evaluated and reported	Not started	Mar 2023
EF	Swedish Presidency Europeana activity organised	Not started	Jun 2023
EF	Develop and implement mechanisms to engage and inform Member States	-	Ongoing

¹⁷ <https://pro.europeana.eu/page/aggregators>

EF	Member States country reports updated	100%	Sep 2022
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Aggregators' Forum Fall (Hybrid - 10th anniversary) - On 18-19 Oct the Europeana Aggregators' Forum (EAF) got together for a hybrid meeting to celebrate the 10th anniversary of the EAF. Altogether 56 aggregator representatives joined the meeting, 19 of them in the EF office in the National Library of The Netherlands. 31 out of the 40 accredited aggregators attended and contributed to the meeting. Core topic was the development of the European data space for cultural heritage, to raise awareness for the EC recommendations and discuss needs and next steps for aggregators. In that context we also focussed on concrete outcomes of the implementation plan that have an impact for the work of the aggregators, e.g. working with the Metis sandbox, developing dissemination activities for data and content. Since work has been done on diversity, equity and inclusion by DSI aggregators last year, the EAF meeting provided the stage to also share the recommendations with national aggregators and start the discussion on this important topic on the EAF level.

Member States country reports updated - In Oct 2022, we published Member States country reports which provide information about the Europeana conferences under the presidencies of the Council of EU; Europeana highlights relevant to the Member States, information on the country's fund contribution to Europeana projects over years, country's participants in Europeana Network Association; country's culture and cultural content showcased in Europeana.eu; and information on the country's open data in Europeana. The reports are available on the Member States page¹⁸ on Europeana Pro.

Reporting metrics: enhance cooperation throughout the data space

No.	Description	Measured by	Frequency	Target	Sep 2022	Oct 2022
KPI 3.1	Satisfaction of the Europeana Network Association members with the ENA	Total % of 'satisfied' and 'completely satisfied' responses on a 5-point Likert scale	Annually	75%	-	Expected Jul 2023
KPI 3.2	Growth of Europeana Network Association members	Number of members in the ENA	Quarterly	4,250	-	3,879
RM 3.1	Number of participants engaged in EI activities	Number of participants i.e. contributing time and expertise to EI activities and actions (such as TFs, WGs and in response to CTA to engage with other activities in ENA, EAF, Initiative) (cumulative)	Quarterly	-	-	321

¹⁸ <https://pro.europeana.eu/page/member-states>

RM 3.2	Task forces in the Europeana Initiative	Number of active task forces per month (ENA, EAF, Initiative)	Quarterly	-	-	4
RM 3.3	ENA membership enables knowledge transfer	% of surveyed ENA members reporting membership helps them staying up to date with best practices and new trends	Annually	-	-	Expected Jul 2023
RM 3.4	ENA membership delivers practical knowledge	% of surveyed ENA members reporting membership enables them to learn knowledge, skills and information they use in their job	Annually	-	-	Expected Jul 2023
RM 3.5	ENA membership facilitates knowledge sharing	% of surveyed ENA members reporting membership enables them to learn new information they can share with others	Annually	-	-	Expected Jul 2023
RM 3.6	Satisfaction with the Europeana EU presidency activities	Total % of 'satisfied' and 'completely satisfied' responses on a 5-point Likert scale	Quarterly	-	-	Expected Jan 2023

Task 3.2. Identify needs of user groups

Partners: EF

Under this task, EF will continuously explore the needs of professional audiences in the cultural heritage sector (Activity 3.2.1) as well as the needs of potential groups interested in reuse of cultural heritage data, such as education, research and the creative industries. EF will also work with other European data spaces, including tourism and media, to better understand the needs of these user groups in relation to the data space (Activity 3.2.2). User research will guide the development of tools and services and will identify which data, tools, and services should be offered as a priority.

Overview of outcomes: identify needs of user groups

Partner	Outcomes	Progress	Due date
Activity 3.2.1. Conduct user research among professional audiences			
EF	Europeana Pro user survey completed	Not started	Mar 2023
EF	Report on indicators of digital transformation across Europe (incl.	2%	Jul 2023

	assessment of value of previous ENUMERATE research)		
EF	Qualitative and quantitative (primary and secondary/desk) research among professional audiences undertaken	-	Ongoing
Activity 3.2.2. Perform user and market research to foster reuse			
EF	Decision-makers and influencers among reuse communities identified	5%	Feb 2023
EF	Qualitative research among decision-makers and influencers completed	Not started	Apr 2023
EF	Report on areas of potential reuse among education, research and academia completed (incl. recommendations for product and service developments)	10%	Apr 2023
EF	Report on areas of potential reuse among cultural enthusiasts completed (incl. recommendations for product and service developments)	Not started	Aug 2023
EF	Primary research conducted among audiences	-	Ongoing
EF	Market and user research on audiences interested in reuse undertaken	-	Ongoing

Task 3.3. Build awareness and engagement

Partners: EF

Under this task, EF will build awareness and engagement of the activities in and around the data space among our professional audiences. We will ensure and deliver a strategic approach to marketing and communications (Activity 3.3.1), offer event programming (Activity 3.3.2), and ensure that audiences engage with our activities (Activity 3.3.3).

Overview of outcomes: build awareness and engagement

Partner	Outcomes	Progress	Due date
Activity 3.3.1. Ensure strategic approach to marketing and communications			
EF	Dissemination strategies for key channels (Twitter, LinkedIn, Europeana Pro) delivered (internal)	Not started	Feb 2023
EF	Pro editorials published (e.g. Pro News and themes)	-	Ongoing
EF	Promotional activities promoted (Newsletters, Twitter, LinkedIn)	-	Ongoing
Activity 3.3.2. Develop event programming			
EF	Europeana Annual Conference organised	100%	Sep 2022

EF	Europeana events strategy delivered (internal)	40%	Feb 2023
EF	Learnings and recommendations from Impact Assessment implemented - Annually	Not started	Apr 2023
EF	Events programme delivered and improved (events calendar, events toolkit, etc.)	-	Ongoing
EF	Activities of the international Events Manager Group coordinated	-	Ongoing
EF	Compliance with data protection maintained ¹⁹	-	Ongoing
Activity 3.3.3. Engage professional audiences			
EF	Requirements for a community collaboration tool defined	5%	Jun 2023
EF	Workflows for data collection in CRM reviewed	5%	Jun 2023
EF	Online training spaces for capacity building improved	-	Ongoing
EF	Platforms for professional audiences maintained (technical infrastructure, user journeys, accessibility)	-	Ongoing

Europeana Annual Conference organised - on 28 - 30 November 2022 we organised the Europeana 2022 annual event, each day of the conference focused on a theme of importance to the cultural heritage sector, from the data space for cultural heritage to storytelling to technology. The event saw 944 participants (190 in person, 754 online participants) and 83% stated that they were satisfied or completely satisfied with the event. Recorded sessions are available here²⁰.

Reporting metrics: build awareness and engagement

No.	Description	Measured by	Frequency	Target	Sep 2022	Oct 2022
KPI 3.3	Satisfaction rate for Europeana Pro	Total % of 'satisfied' and 'completely satisfied' responses on a 5-point Likert scale	Annually	75%	-	Expected Jul 2023
RM 3.7	Traffic to Europeana Pro	Number of visits per month	Monthly	-	27,472	25,627
RM 3.8	Traffic to Knowledge Base for Aggregators	Total number of views (cumulative)	Quarterly	-	-	973

¹⁹ According to the Regulation (EU) 2018/1725 concerning the processing of personal data by the EU institutions (IDPR)

²⁰ <https://pro.europeana.eu/post/relive-europeana-2022-recorded-sessions-now-available>

RM 3.9	Number of Europeana events	Number of events held by Europeana DS consortium, EAF, and ENA (cumulative)	Quarterly	-	-	8
RM 3.10	Reach of Europeana events	Number of participants (cumulative)	Quarterly	-	-	1,036
RM 3.11	Satisfaction rate for events	Total % of 'satisfied' and 'completely satisfied' responses on a 5-point Likert scale (cumulative)	Quarterly	-	-	83%

In total we organised eight events (including training), we welcomed 1,036 participants to events and 221 participants to training. DS AGG organised 4 training/events with 150 participants.

Overview of communication and dissemination efforts: build capacity of aggregators and professionals

Partner	Name of event	Activity	Location	Date
Events organised for professionals				
EF	Copyright office hours: social media and promotion ²¹	Meeting	Online	20/09/2022
EF	Europeana 2022 conference ²²	Annual conference	Hybrid, the Netherlands	28-30/09/2022
EF	Aggregators' Forum Fall (Hybrid - 10th anniversary) ²³	Meeting	Hybrid, the Netherlands	17-19/10/2022
EF	Policy office hours: a post-article 14 world ²⁴	Meeting	Online	25/10/2022
Training organised for professionals				
EF	Presenting Europeana ²⁵	Presentation	Online	11/10/2022
EF	GIF Making workshop ²⁶	Workshop	Online	12/10/2022
EF	World day of audiovisual heritage ²⁷	Training	Online	27/10/2022

²¹ <https://pro.europeana.eu/event/copyright-office-hours-risk-management-approaches-to-rights-clearance>

²² <https://pro.europeana.eu/page/conference>

²³ <https://pro.europeana.eu/page/aggregators>

²⁴ <https://pro.europeana.eu/event/copyright-office-hours-risk-management-approaches-to-rights-clearance>

²⁵ <https://pro.europeana.eu/event/presenting-europeana>

²⁶ <https://pro.europeana.eu/event/gif-making-workshop>

²⁷

<https://pro.europeana.eu/event/preserve-and-reuse-training-to-celebrate-the-unesco-world-day-for-audiovisual-heritage>

EF	Europeana Subtitled training for aggregators ²⁸	Training	Online	20&21/10/2022
Training/events organised by DS AGG				
AIT Graz (OpenUp!)	IIIF Quickstart ²⁹	Training workshop	Graz, Austria	22/09/2022
BL (Europeana Sounds)	MINT Webinar ³⁰	Training workshop	Online	12/09/2022
CARARE	CARARE 2022: Connecting ³¹	Training workshop	Hybrid	27/09/2022
AIT Graz (OpenUp!)	OpenUp! - 10 years of experience in aggregating and making biodiversity data accessible ³²	Training presentation	Hamburg, Germany	20/10/2022

Task 3.4. Develop capacity building as a service

Partners: EF, CAPG

Under this task, we will develop capacity building tools and services (Activity 3.4.1) and manage and develop mechanisms for the training programme (Activity 3.4.2).

Overview of outcomes: develop capacity building as a service

Partner	Outcomes	Progress	Due date
Activity 3.4.1. Develop capacity building tools and services			
EF	Capacity Building Working Group launched	90%	Dec 2022
EF	Europeana Capacity Building Framework (V3) developed (internal)	25%	Jan 2023
EF	Holistic approach to product and service design and development developed (V1)	10%	Jan 2023
EF, CAPG	Motivation and engagement model for capacity building developed	Not started	Mar 2023
EF	ENA Community Impact model developed and validated	Not started	Jul 2023
EF	Europeana Impact community ³³ supported	-	Ongoing
EF	Training activity/resources for EIF/ECBF developed/provided	-	Ongoing

²⁸ <https://pro.europeana.eu/event/europeana-subtitled-training-for-aggregators>

²⁹ <http://conference.ait.co.at/digbib/index.php/digbib2022/digbib2022/paper/view/175>

³⁰ <https://pretix.eu/EuropeanaSounds/kfptc/>

³¹ <https://www.carare.eu/en/events/carare-2022-connecting/>

³² <https://zugang-gestalten.org/programm/#tag-1>

³³ <https://pro.europeana.eu/page/europeana-impact-community>

Activity 3.4.2. Manage and develop mechanisms for the training programme			
EF, CAPG	Impact pathway for training programme developed	Not started	Feb 2023
EF, CAPG	Requirements and objectives for training programme defined	10%	Feb 2023
EF, CAPG	Training programme (v1) developed	Not started	Apr 2023
EF, CAPG	Training programme improved and delivered	-	Ongoing
EF	Inventory of existing training (and other capacity building resources) maintained and updated	-	Ongoing

Reporting metrics: develop capacity building as a service

No.	Description	Measured by	Frequency	Sep 2022	Oct 2022
RM 3.12	Reach to Europeana Impact community	Number of people reached per month (Newsletter, mailing list, LinkedIn)	Quarterly	-	2,564

Task 3.5. Facilitate the provision of high quality data

Partners: EF, DS AGG

The aggregation infrastructure of the data space is an essential enabler for the contribution of high quality data, together with the frameworks that govern how data is created, enriched and shared and the building of necessary capacity. EF will support data providers in making use of the infrastructure and of framework requirements through capacity building efforts, including training solutions, dynamic knowledge transfer (such as through working groups), events and knowledge repositories.

The Europeana DS consortium will manage and implement a training programme that supports the provision of high quality data. Aggregators and data partners will benefit from the training programme by receiving knowledge on the use of products and tools available in the data space for the provision of high quality data. (Activity 3.5.1)

The consortium together with EAF and ENA will also support peer to peer knowledge exchange with the aim to increase the quality of data available for reuse (Activity 3.5.2).

Overview of outcomes: facilitate the provision of high quality data

Partner	Outcomes	Progress	Due date
Activity 3.5.1. Deliver training programme for aggregators and data partners			

EF	Priorities and primary focus areas for train-the-trainer programme for the provision of high quality data identified	5%	Mar 2023
EF, DS AGG	Roadmap for the creation of training created (internal)	5%	Apr 2023
EF	DEN Leadership programme Cohort completed and evaluated - once annually	Not started	Jun 2023
EF, DS AGG	Training for the provision and reuse of high quality data published online	-	Ongoing
EF, DS AGG	Training Events delivered	-	Ongoing
Activity 3.5.2. Support the transfer of knowledge between professionals			
EF	Approach to identifying, cataloguing and sharing professional expertise with EAF and ENA developed	5%	Apr 2023
EF	Model for enhancing knowledge transfer of professional expertise developed (i.e. fellowships, mentoring)	Not started	Jul 2023
EF	Partnership with European Students Association for Cultural Heritage (ESACH) developed	-	Ongoing
EF	Activities that promote the value of participating in training and knowledge transfer by ENA and EAF delivered	-	Ongoing
DS AGG	Activities that facilitates knowledge transfer of expertise (ie one-to-one support and helpdesk for CHIs, peer-to-peer support between aggregators) developed	-	Ongoing
EF	Activities engaging networks and communities (IIIF WG, DQ committee, ethics WG, accurate rights information) supporting the delivery of high quality data undertaken	-	Ongoing
EF, DS AGG	Knowledge transfer delivered and peer-to-peer / one-to-one support provided	-	Ongoing
EF	Europeana Communicators community ³⁴ supported	-	Ongoing
EF	Europeana Climate Action Community supported	-	Ongoing

Reporting metrics: facilitate the provision of high quality data

No.	Description	Measured by	Frequency	Target	Sep 2022	Oct 2022
KPI 3.4	Aggregator satisfaction with data space products and	Total % of 'satisfied' and 'completely satisfied' responses on a 5-point Likert scale	Annually	75%	-	Expected Aug 2023

³⁴ <https://pro.europeana.eu/page/europeana-communicators-group>

	services (accredited aggregators)					
KPI 3.5	CHI satisfaction with data space products and services	Total % of 'satisfied' and 'completely satisfied' responses on a 5-point Likert scale	Annually	75%	-	Expected Jul 2023
RM 3.13	Participants attending Europeana training	Number of participants taking part in instructor led training using Europeana training resources (including training delivered by DS AGG and EF) (cumulative)	Quarterly	-	-	221
RM 3.14	Satisfaction rate of participants undertaking training	Total % of 'satisfied' and 'completely satisfied' responses on a 5-point Likert scale (cumulative)	Quarterly	-	-	Expected Jan 2023
RM 3.15	Reach to Europeana Communicators community	Number of people reached per month (Newsletter, LinkedIn, mailing list)	Quarterly	-	-	2,940
RM 3.16	Reach to Europeana Climate Action community	Number of people reached per month (Basecamp, mailing list)	Quarterly	-	-	266
RM 3.17	CHIs supported by DS AGG	Total number of CHIs supported by individual consultation (cumulative)	Quarterly	-	-	32
RM 3.18	Coverage of CHIs supported by DS AGG	Total number of countries that received support by individual consultation (cumulative)	Quarterly	-	-	14
RM 3.19	Outreach to CHIs	Total number of new CHIs collaborating with DS AGG (cumulative)	Quarterly	-	-	10

Task 3.6. Facilitate the reuse of high quality data

Partners: EF, EUN, EuroClio, F&F, DARIAH

Based on user research done over the past years, we know there are audiences who consistently use and reuse digital cultural heritage (e.g., professionals in aggregation and cultural heritage - both those who do and do not yet share data; education (primary, secondary, and tertiary) professionals; and researchers and students).

Specific efforts will be done to engage with educational communities (Activity 3.6.1.), academic and research communities (Activity 3.6.2.), as well as developer communities and API customers (Activity 3.6.3.).

Overview of outcomes: facilitate the reuse of high quality data

Partner	Outcomes	Progress	Due date
Activity 3.6.1. Engage with educational communities			
EUN	English version of the updated Digital Education with Cultural Heritage MOOC launched	25%	Feb 2023
EuroClio	'Train the trainer event' organised	15%	Mar 2023
EF	Annual Open Education Week: contribution added	Not started	Mar 2023
EF	All Digital Week campaign: contribution added	Not started	Mar 2023
EUN	Second language version (TBD) of the updated Digital Education with Cultural Heritage MOOC launched	Not started	Apr 2023
EUN	Europeana Education competition organised	Not started	May 2023
EuroClio	Historiana online self-paced course designed and piloted	Not started	May 2023
EUN	EUN national trainings organised (10 trainings)	15%	Aug 2023
EuroClio	10 New learning materials and 15 new translations of existent content published on Historiana	Not started	Aug 2023
EUN	New stories of implementation/use and reuse on the Teaching with Europeana blog published (500 stories)	Not started	Aug 2023
EF, F&F	3 Transcribathon events and 1 workshop organised per year	-	Ongoing
F&F	Transcribathon platform maintained	-	Ongoing
EF	Blogs and social media posts (LinkedIn, Facebook, Twitter) published	-	Ongoing

EF	Europeana Education community ³⁵ supported	-	Ongoing
EF, Euroclio	Support of EuroClio and EF to DFF (as part partners of the Horizon project Victor-E)	100%	Oct 2022
Activity 3.6.2. Engage with academic and research communities			
EF	Research on digital cultural heritage as an emerging university subject completed	Not started	Aug 2023
DARIAH	Training resources for academic and research data users published on the SSHOC Marketplace	Not started	Aug 2023
EF	Europeana Research community ³⁶ and Research Advisory Board ³⁷ supported	-	Ongoing
EF	Outreach events for academic and research communities organised	-	Ongoing
EF, DARIAH	DARIAH annual event: representation of the cultural heritage sector in programme committee	5%	Jun 2023
EF	Liaison with other academic research and cultural communities developed and maintained (LIBER, GLAMLabs)	-	Ongoing
Activity 3.6.3. Engage with the developer communities and API customers			
EF	Capacity building resources for API users developed	Not started	Aug 2023
EF	API documentation maintained and updated	5%	Aug 2023
EF	New business relationships to foster reuse of Europeana APIs created	-	Ongoing
EF	New integrations or updated integrations or reuse projects in collaboration with developers or creatives promoted through Europeana Pro and/or EF social media	-	Ongoing
EF	Europeana API services and capacity building resources presented at relevant CH events	-	Ongoing
EF	Changes/improvements of Europeana API services communicated to reusers	-	Ongoing
EF	FAQs, tutorials, and example API calls created and maintained in line with new API iterations	-	Ongoing

³⁵ <https://pro.europeana.eu/page/europeana-education>

³⁶ <https://pro.europeana.eu/page/europeana-research>

³⁷ <https://pro.europeana.eu/page/research-advisory-board>

Support of DFF (as part of Horizon project Victor-E³⁸) - EF and EuroClio supported DFF in their project work by providing guidance on how to use Historiana tools to create the elearning activities for one of the main outcomes of the project - the virtual exhibition *Frames of Reconstruction. Realities and Visions of Recovering Europe. Documentary Film in Postwar Visual Culture*³⁹. As a result, 16 Historiana eLearning activities that integrate Europeana AV content of DFF were produced⁴⁰, that EF will make available for reuse for the educational audience of the data space (i.e. in the Europeana Classroom). A partner page⁴¹ facilitated by EuroClio is already live and will display a series of multilingual translations done by Victor-E partners, EuroClio and EF.

Communication and dissemination activities

Partner	Name of event	Activity	Location	Date
EF	Open Education Policy Forum	Presentation of the study "Open GLAM & education. Teachers' and educator's perspective on digital culture resources" incl. Panel discussions ⁴²	Online	14/09/2022
ULeiden	Guest lecture on EF APIs	Guest lecture for 23 ULeiden Museum Studies Master Students on Europeana's APIs	Leiden, NL	04/10/2022
EF	Low-code Fest Capacity Building event ⁴³	API outreach to about 48 education participants during the low-code fest, in collaboration with the Education community	Online	20-21/10/2022
EF	Build with Bits your classroom. Virtual spaces for your educational challenges	eTwinning workshop during the annual conference 2022 ⁴⁴	Online	21/10/2022
EF	Imagining Education in the future	Panel discussion during the eTwinning annual conference:	Online	22/10/2022
EF	Webinar for Estonian teachers during the BAAC conference	45 minutes pre recorded webinar to explain how to browse and use Europeana AV material for education	Online	27/10/2022
EF - EUN	Europeana Educators Ambassadors kick-off	Coordination meeting with ambassadors to plan the activities of this academic year	Online	27-28/10/2022

³⁸ <https://www.victor-e.eu/>

³⁹ <https://www.frames-reconstruction.eu/home>

⁴⁰ <https://www.frames-reconstruction.eu/page/learning-activities>

⁴¹ <https://historiana.eu/partners/victor-e-project>

⁴² <https://centrumcyfrowe.pl/forum/>

⁴³ <https://pro.europeana.eu/page/europeana-low-code-fest-2022#phase-3-capacity-building-sessions>

⁴⁴

https://eu.eventscloud.com/file_uploads/8263d7caf6ff7a115407f54940340e1a_ProgrammeAgenda-ANNUALCONFERENCE.pdf

	meeting			
EF	CER Cultural Emergency Response - Leadership Course for Cultural Heritage Stewards in Challenging Circumstances	Talk: 'Digital Project Toolkit'	The Hague	10/10/2022
EF	CLARIN Annual Event ⁴⁵	Participation in the panel discussion: CLARIN and other SSH Platforms	Prague/online	10-12/10/2022
EF	Towards implementing Collections as Data in GLAM ⁴⁶	Presentation at a webinar organised by the International GLAM Labs Community	Online	25/10/2022

Reporting metrics: facilitate the reuse of high quality data

No.	Description	Measured by	Frequency	Target	Sep 2022	Oct 2022
KPI 3.6	Educators reached in national training events ⁴⁷	Total number of educators (cumulative)	Bi-annually	TBC ⁴⁸	-	Expected Mar 2023
KPI 3.7	Satisfaction rate of educational communities	Total % of 'satisfied' and 'completely satisfied' responses on a 5-point Likert scale (cumulative)	Quarterly	75%	-	Expected Jan 2023
KPI 3.8	API users (external)	Total number of (external) API users per month	Monthly	175	169	185
RM 3.20	New learning resources for education	Total number of new resources using Europeana data (cumulative)	Quarterly	-	-	16
RM 3.21	Language variations of existing learning resources	Total number of new translations of learning resources (cumulative)	Bi-annually	-	-	Expected Mar 2023

⁴⁵ <https://www.clarin.eu/event/2022/clarin2022-panel-clarin-and-other-ssh-platforms-youll-never-innovate-alone>

⁴⁶ <https://glamlabs.io/webinar-towards-implementing-collections-data-glam/>

⁴⁷ Y1 includes educators reached by EUN training; Y2 will include both educational partners (EUN and EuroClio). EuroClio will first build capacity in Y1 by training the trainers to enable trainers to reach educators through national training in Y2.

⁴⁸ EF will use the first measurements to identify targets.

RM 3.22	Participants completing the online courses ⁴⁹	Total number of participants (cumulative)	Bi-annually	-	-	Expected Mar 2023
RM 3.23	Traffic to educational platforms (TwE blog and Historiana)	Number of visits to educational resources (cumulative)	Bi-annually	-	-	Expected Mar 2023
RM 3.24	Reach to Europeana Education community	Number of people reached per month (mailing list, LinkedIn, Facebook)	Quarterly	-	-	10,487
RM 3.25	Outreach events to academic and research communities organised	Total number of events delivered (cumulative)	Quarterly	-	-	Expected Jan 2022
RM 3.26	Reach to Europeana Research community	Number of people reached per month (Discussion list, Twitter)	Quarterly	-	-	7,005
RM 3.27	API usage (REST API)	Total number of requests per month (external traffic)	Monthly	-	19,276,940	19,294,367
RM 3.28	API sign-ups (REST API)	Number of API sign-ups per month (cumulative)	Quarterly	-	49	59

⁴⁹ Y1 will include participants completing the online courses (MOOCs) organised by EUN. In Y2 this metric will also count participants of the Historiana online course done by EuroClio.

Work package 4: Digital services for the public

Experience from Europeana DSI-4 shows that the primary audiences for the data space are overwhelmingly cultural heritage professionals, and, even more successfully, educators, researchers, and students. The foundation for the data space for cultural heritage is the well-established Europeana website. Specific attention going forward will be given to how EF can better serve current audiences and position the data space as an attractive option to new audiences (media, tourism, cultural/creative industries). This will involve continued optimisation (and communication) of existing functionalities and exploring additional features, with input and feedback from audiences, and determining where to focus our efforts (Task 4.1).

The consortium will also engage audiences with digital cultural heritage by expanding pan-European themes and perspectives, inspiring use, reuse, and participation, and communicating activities to audiences (Task 4.2).

Task 4.1. Deliver high-performing Europeana website

Partners: EF

Europeana.eu offers pan-European content to anyone with an interest in cultural heritage. We will ensure the website is easy to access, functions well on all devices, and is ready to take advantage of 5G infrastructure as it continues to expand across Europe. (Activity 4.1.1.)

EF aims to turn new visitors into returning visitors by improving the findability of content (Activity 4.1.2. - 4.1.4., Activity 4.1.6.), by extending user participation features (Activity 4.1.5) and optimising the user feedback mechanism (Activity 4.1.7).

The majority of visitors come to the website to search - EF will continue to improve our search accuracy by adjusting our algorithm, extending our filters, and expanding multilingual coverage of our content.

To encourage use and reuse of materials visitors can find on the website, EF will introduce new and extend existing participation features, and invest in communication mechanisms to regularly remind people of what they can find and reuse on the website.

Overview of outcomes: deliver high-performing Europeana website

Partner	Outcomes	Progress	Due date
Activity 4.1.1. Optimise the responsiveness of the website			
EF	Website look good on every screen (including mobile)	5%	Jun 2023
EF	Website is fully responsive and 5G-ready (implementation)	-	Ongoing

Activity 4.1.2. Optimise search experience, prioritising relevance and data quality			
EF	Tuning the weight of different fields in ranking (M-F8) (two iterations deployed)	Not started	Mar 2023
EF	Item-page level search within transcriptions	Not started	Mar 2023
EF	Re-activating advanced search (filters) (M-F14)	Not started	May 2023
EF	Search within subtitles (FT-F5)	Not started	Jun 2023
EF	Reinstating search logs and associated evaluation metrics (EVAL-5, EVAL-6, EVAL-7)	Not started	Aug 2023
EF	Search relevance and performance maintained	-	Ongoing
Activity 4.1.3. Optimise browse experience to improve content discovery			
EF	Place entities exist on the website	90%	Dec 2022
EF	Design of the Theme pages expanded	50%	Dec 2022
EF	Tooltips introduced	Not started	May 2023
Activity 4.1.4. Expand multilingual coverage to include all EU official languages			
EF	Refine our approach for prioritising translations of editorial pieces and share with EC for discussion	10%	Dec 2022
EF	Approach(es) and workflow(s) for the validation of website translations in operation	25%	Dec 2022
EF	Further evaluation and integration with the eTranslation service completed	Not started	Aug 2023
EF	Multilingual search infrastructure expanded with search results translation (in the context of the Spanish pilot)	20%	Aug 2023
EF	ENA/EAF engaged to support validation of static translations on europeana.eu	-	Ongoing
EF	Multilingual coverage of editorial content increased	-	Ongoing
EF	Maintain user interface translations in supported languages	-	Ongoing
Activity 4.1.5. Extend user participation features			
EF	Compliance with data protection maintained ⁵⁰	-	Ongoing
Activity 4.1.6. Optimise user interaction and display of content			
No outcomes are planned to be completed in Y1.			

⁵⁰ According to the Regulation (EU) 2018/1725 concerning the processing of personal data by the EU institutions (IDPR).

Activity 4.1.7. Optimise user feedback mechanism			
EF	Precise and informative error messages for broken links available	80%	Nov 2022
EF	FAQ for people using the website available in 24 EU languages	80%	Dec 2022
EF	Current feedback mechanism is consolidated and extended to other data space's products	5%	Aug 2023

Reporting metrics: deliver high-performing Europeana website

No.	Description	Measured by	Frequency	Target	Sep 2022	Oct 2022
KPI 4.1	Traffic to the website	Number of visits per year (cumulative)	Monthly	6.5 million	456,300	965,800
KPI 4.2	User satisfaction rate with Europeana website	Total % of 'satisfied' and 'completely satisfied' responses on a 5-point Likert scale	Bi-annually	75%	-	Expected Jan 2023
RM 4.1	Multilingual coverage of editorial content	Percentage of stories (blogs and exhibitions) published in more than one language during contract year	Annually	-	-	Expected Aug 2023
RM 4.2	Multilingual coverage of editorial content	Percentage of stories (blogs and exhibitions) published in all 24 EU languages during contract year	Annually	-	-	Expected Aug 2023
RM 4.3	User participation: accounts	Number of account holders (cumulative)	Quarterly	-	-	19,051
RM 4.4	User participation: accounts	Number of items liked by users (cumulative)	Quarterly	-	-	21,451
RM 4.5	User participation: galleries	Number of user-created galleries (cumulative)	Quarterly	-	-	5,091

RM 4.6	Downloads on the Europeana website	Total number of downloads (cumulative)	Quarterly	-	-	17,566
RM 4.7	Average of initial response time to user feedback	Number of hours	Quarterly	-	-	25h
RM 4.8	Average of total resolution time to user feedback (excl. user feedback where the responsibility lies outside of Europeana DS consortium)	Number of hours	Quarterly	-	-	Expected Feb 2023

Task 4.2. Engage audiences with digital cultural heritage

Partners: EF, DS AGG

Under this task, EF will expand digital opportunities for the public by driving participation with cultural heritage (Activity 4.2.1) in and around the data space. EF will work with consortium members, cultural heritage institutions and other partners to produce impactful content on pan-European themes and perspectives (Activity 4.2.2). EF will promote engaging, high-quality cultural heritage and editorial content on the Europeana website, via its social media channels, newsletters and on external platforms (Activity 4.2.3).

Overview of outcomes: engage audiences with digital cultural heritage

Partner	Outcomes	Progress	Due date
Activity 4.2.1. Drive participation with cultural heritage			
EF	GIF IT UP organised	100%	Oct 2022
EF	Digital Storytelling Festival organised	Not started	Jun 2023
EF	Europeana website (incl. account functionality, user-created galleries) promoted	-	Ongoing
EF	High-quality open access data promoted, including 3D	-	Ongoing
Activity 4.2.2. Broaden impact of cultural heritage by expanding pan-European themes and perspectives			

EF, DS AGG	Editorial content (exhibitions, blogs, and galleries) ⁵¹ published and promoted	-	Ongoing
EF	Collaborations with European Union initiatives sharing cultural heritage promoted	-	Ongoing
Activity 4.2.3. Communicate the data space for cultural heritage activities			
EF	Newsletter and social media posts (Facebook, Twitter, Instagram, Medium, Pinterest) published ⁵²	-	Ongoing
EF	Compliance with data protection maintained	-	Ongoing

*GIF IT UP organised*⁵³ - aiming to inspire reuse and participation, the annual contest GIF IT UP celebrates creative remixing of cultural heritage. It's run by Europeana in partnership with organisations from around the world, including Japan Search, Art Institute of Chicago, DAG Museums, DPLA, Digital NZ and Trove. This year we welcomed two new partners, Canada's Bibliothèque et Archives nationales du Québec (BAnQ) and Uruguay's Centro de Fotografía de Montevideo.

Throughout October, GIF-makers and cultural heritage fans were invited to create new GIFs from open access digital collections. This year's special categories were nature and crafts. There were 88 eligible entries (from a total of 149 entries, many of which were ineligible because they used non-open content) from 19 different countries. These entries remixed 106 digitised cultural heritage collection objects sourced from GIF IT UP partners (51 from Europeana), and these objects came from 37 different cultural heritage institutions, located in 20 countries across the world.

In October, Europeana held a GIF-making workshop independently (attended by 137 people) and also at the EPAL Community Conference 2022⁵⁴. To support Europeana's work on providing more multilingual experiences, this year we offered the GIF IT UP website in French for the first time. In November, prizes will be awarded for the best entries, as judged by the public and a jury of creative experts.

Communication and dissemination activities

Partner	Name of event	Activity	Location	Date
Library Futures	Transformative Use webinar	Sharing perspectives on creativity and transformative use with a panel of GLAM experts.	Online	1/9/2022

⁵¹ Editorials from (Europeana) Generic Services projects contribute to this outcome.

⁵² Editorial outcomes of GS projects are promoted.

⁵³ <https://gifitup.net/en/>

⁵⁴ <https://epale.ec.europa.eu/en/blog/epale-community-conference-2022-imagine>

UK Copyright Literacy	Icepops 2022	Keynote at an international copyright literacy event for practitioners and scholars.	Oxford, UK	8-9/9/2022
Museumsverband Sachsen-Anhalt	Museumsverband Sachsen-Anhalt	Session with German museum professionals on open access and engagement strategies	Online	13/9/2022
Zachęta - National Art Gallery	Hack(art)hon	Mentoring young professionals and students in a week-long creative sprint developing educational open source tools for one of the largest cultural institutions in Poland.	Online and Warsaw, Poland	19-24/9/2022
Taiwan Ministry of Culture	2022 International Conference on Museums for Cultural Democracy	Keynote on Europeana, open access and digital engagement at Taiwan's principal cultural heritage conference	Online	7/10/2022
EF	GIF-making workshop	Workshop exploring simple GIF-making techniques using free and online tools to support you to take part in the competition	Online	13/10/2022
EPALE	EPALE Community Conference 2022	GIF-making session teaching professionals and the general public creative ways to engage people with culture.	Online	20/10/2022
ULeiden	Digital Museum Curation guest lecture	Presented Europeana's APIs and their cases for reuse in research and curation to the digital curation students at Leiden Uni	Leiden	04/10/2022
EF	Low-Code Fest	Held two capacity building workshops to teach educators and students how to use Europeana and Europeana APIs for cultural heritage reuse	online	20-21/10/2022

Reporting metrics: engage audiences with digital cultural heritage

No.	Description	Measured by	Frequency	Target	Sep 2022	Oct 2022
KPI 4.3	Audience satisfaction with editorial (exhibitions, blogs)	Total % of 'satisfied' and 'completely satisfied' responses on 5-point Likert scale (cumulative)	Quarterly	80%	-	87.50%
KPI 4.4	Social media reach	Total number of impressions on social media (Facebook, Pinterest, GIPHY, Instagram, Twitter,	Monthly	425 million	25,484,389	32,789,458

		Medium, LinkedIn (cumulative)				
RM 4.9	Participation in Digital Storytelling Festival	Number of registered participants for Digital Storytelling Festival events	Annually	-	-	Expected Jul 2023
RM 4.10	Participation in GIF IT UP	Total number of submitted GIFs	Annually	-	-	Expected Nov 2022
RM 4.11	Traffic to exhibitions and blogs	Number of visits to all exhibitions and blogs (cumulative)	Quarterly	-	-	189,434
RM 4.12	Social media engagement	Total number of likes, shares, comments per month (Facebook, Twitter, Pinterest, Instagram, Medium, LinkedIn)	Monthly	-	188,868	215,579

Work package 5: Programme management

EF will provide high-quality programme management of the data space for cultural heritage, including continuous progress monitoring and reporting (task 5.1). We will work closely with the European Commission, the Commission Expert Group on the Common European Data Space for Cultural Heritage (CEDCHE) and its subgroups to review activities and developments of the data space for cultural heritage (task 5.2.).

We will coordinate the relations with the projects funded under the Digital Europe, Horizon 2020 and Horizon Europe programmes and ensure the smooth integration of their results into the data space for cultural heritage (task 5.3.).

Finally, EF will support phasing-out and transfer processes to a successor contractor if a contract takeover is required (task 5.4.).

Task 5.1. Ensure continuous progress monitoring and reporting

Partners: EF

Under this task, EF will manage and coordinate the programme as described in the tender and in the work package sections of this implementation plan. [Annex: Progress on deliverables](#) provides an overview of completed and upcoming deliverables.

EF created a project page for the European common data space for cultural heritage⁵⁵ on Europeana Pro.

Major changes in staff

No changes for M01 - M02.

Risk management

Risk management is an essential part of the data space programme management. EF has a risk management approach in place for managing risks throughout the contract that nominates relevant people responsible⁵⁶. [Annex: Risk log](#) includes an assessment of risks with risk responses and other relevant details. The Risk log will be updated periodically and an updated version will be provided to the EC via the PM. Periodic reports and/or ad hoc via direct communication (for example, via email, if needed).

Balance of efforts

The table below provides an overview over the balance of efforts for Y1 (Sep 2022 - Aug 2023) of the data space for cultural heritage. It states the foreseen and actual percentages of resources allocated to each of the five work packages and its related tasks.

Work packages & tasks	Foreseen % of the full contract value	Actual Oct 2022
WP 1: Development and operation of the data space infrastructure	25.4%	25.1%
Task 1.1 Provide reliable data space infrastructure and quality of services	22.7%	22.6%
Task 1.2 Foster innovation, interoperability & compliance with other data spaces	2.7%	2.5%
WP 2: Integration of high-quality data	17.8%	17.2%
Task 2.1 Develop and manage data governance mechanisms	3.6%	3.6%
Task 2.2 Data acquisition and data improvements	10.9%	11.0%
Task 2.3 Automated approaches towards data quality	3.3%	2.7%
WP 3: Capacity building and fostering reuse	30.6%	35.5%
Task 3.1 Enhance cooperation throughout the Data Space	4.4%	4.3%
Task 3.2 Identify needs of user groups	1.7%	1.1%
Task 3.3 Build awareness and engagement	6.9%	13.9%
Task 3.4 Develop capacity building as a service	3.9%	2.8%
Task 3.5 Facilitate the provision of high quality data	4.4%	4.7%

⁵⁵ <https://pro.europeana.eu/page/data-space-service>

⁵⁶ A RACI (Responsible, Accountable, Consulted, Informed) approach will be used for this purpose.

Task 3.6 Facilitating the reuse of high quality data	9.3%	8.7%
WP 4: Digital services for the public	18.7%	16.1%
Task 4.1 Deliver high-performing Europeana websites	11.8%	7.9%
Task 4.2 Engage audiences with digital cultural heritage	6.9%	8.4%
WP 5: Programme management	7.5%	6.1%
Task 5.1 Ensure continuous progress monitoring and reporting	6.0%	5.1%
Task 5.2 Governance	0.6%	0.5%
Task 5.3 Manage relations with other EU-funded projects	0.7%	0.5%
Task 5.4 Phasing-in and phasing-out periods	0.2%	0.02%
TOTAL	100%	100%

Task 5.2. Governance

Partners: EF

Under this task, EF will report regularly to the European Commission and, by invitation, to the Commission Expert Group on the Common European Data Space for Cultural Heritage (CEDCHE) on the status of the data space activities and developments, risks and performance indicators.

The Commission and EF will meet monthly in Operational Management Board (OMB) meetings to review and discuss deliverables, operational matters, contractual matters, coordination and other implementation aspects.

In Sep/Oct 2022, EC and EF met for the monthly OMB meetings. On 25 October 2022, EF representatives attended a CEDCHE meeting.⁵⁷

Task 5.3. Manage relations with other EU-funded projects

Partners: EF

EF maintains regular contact with the funded Europeana and other Generic Services (GS) projects (e.g. via Basecamp groups) and supports them with ingestion of content and metadata (if applicable), consultation on the Europeana frameworks, policy and development guidelines, tool integration into the data space for cultural heritage and dissemination of the project results. Specific work undertaken in the reporting period is described in the respective subject areas of

⁵⁷

<https://ec.europa.eu/transparency/expert-groups-register/screen/meetings/consult?lang=en&meetingId=44142&fromExpertGroups=true>

this report (e.g. technical developments, editorial contributions). The table below shows the progress against Annex 4 of PM. Implementation plan M1 of all Generic Services project outcomes that contribute to the data space for cultural heritage in Y1 (Sep 2022 - Aug 2023).

WEAVE⁵⁸ concluded on 30 September 2022 and will have its validation meeting on 12 December 2022. The project fostered relationships with underrepresented communities in Europeana and connected their intangible heritage with the available digital collections in order to have better understanding and representation of their cultural heritage. The project delivered over 7,900 new records in Tier 3+ plus more than 9,500 enrichments to Europeana to better represent cultural communities. It organised 22 capacity building events, 4 tech-focused workshops, a Europeana WEAVE series of events on diversity and Inclusion, and the WEAVE final conference. By doing this, the project built digital capacity (3D, innovative tools, enrichments), fostered conversations between cultural professionals and underrepresented communities and more. The project developed the WEAVE toolkit composed of 4 digital tools (MotionNotes, WEAVE 3D asset manager, WEAVEx and the Automatic Enrichments services). Finally, WEAVE created 22 editorials (one exhibition, six blogs, five galleries and 10 browse entry points) and 22 project entries on Europeana Pro.

During this period, four new projects that will contribute to the European common data space for cultural heritage have been granted funding:

- *'5Dculture' - Deploying and Demonstrating a 3D cultural heritage space*⁵⁹ coordinated by IN2, Germany. The project aims to enrich the offer of 3D digital cultural heritage assets in the data space and foster their reuse in domains, such as education, tourism and the wider cultural and creative sector.
- *'DE-BIAS' - Detecting and cur(at)ing harmful language in cultural heritage collections*⁶⁰ coordinated by Deutsches Filminstitut & Filmmuseum, Germany. The project aims to promote a more inclusive and up-to-date approach to describing cultural collections.
- *'EUreka3D' - European Union's REKOnstructed content in 3D*⁶¹ coordinated by PhotoConsortium, Italy. The project aims to build the capacity of small cultural heritage institutions in digital transformation, particularly on issues related to 3D digitisation.
- *'AI4Europeana' - An AI platform for the cultural heritage data space*⁶² coordinated by Ethnicon Metsovion Polytechnion (NTUA), Greece. The project aims to develop the 'AI4Culture platform', an online capacity building hub for the application of Artificial intelligence technologies in the cultural heritage sector.

These projects are expected to start in January 2023.

⁵⁸ <https://pro.europeana.eu/project/europeana-sport>

⁵⁹ <https://pro.europeana.eu/project/5dculture-deploying-and-demonstrating-a-3d-cultural-heritage-space>

⁶⁰ <https://pro.europeana.eu/project/de-bias-detecting-and-cur-at-ing-harmful-language-in-cultural-heritage-collections>

⁶¹ <https://pro.europeana.eu/project/eureka3d-european-union-s-rekonstructed-content-in-3d>

⁶² <https://pro.europeana.eu/project/ai4europeana-an-ai-platform-for-the-cultural-heritage-data-space>

Finally, EF created new project pages for the European common data space for cultural heritage⁶³ : Data space service⁶⁴ and Data space projects⁶⁵ on Europeana Pro. The pages will be linked to Pro news posts and promoted where relevant.

Overview of progress: Generic Services projects against Annex 4 (project start - end of the current reporting period)

Note that this table only reports on actions/outcomes/milestones of the projects funded within Y1 of the data space for cultural heritage contract (as outlined in Annex 4 of PM. Implementation plan M1). The table will be updated once the final grant agreements of the newly funded projects are ready and signed.

Supporting Europeana Generic Services (CEF-TC-2020-1) call ⁶⁶						
Partner	Outcomes	DSI contribution	Due Date	Progress	Status	Comments
WEAVE - Widen European Access to Cultural Communities Via Europeana⁶⁷						
GS	Integration of the WEAVE experience into Europeana CSP	Task 1.1 Provide reliable data space infrastructure and quality services/ Task 2.2 Data acquisition and data improvements / Task 3.6 Facilitate the reuse of high quality data	Sep 22	100%	Done	The WEAVE experience consists of 3 tools: WEAVEx tool, MotionNotes and WEAVE 3D Asset Manager. The level of integration varies depending on the needs of each specific tool, e.g use of oEmbed or Europeana APIs.
GS/DS	11 project entries ⁶⁸ on Europeana Pro	Task 3.3 Build awareness and engagement	Sep 22	100%	Done	In total 22 project entries (1 project page, 7 Pro news, 14 project events).
GS	10 editorials on Europeana.eu, incl. online exhibition	Task 4.2 Engage audiences	Sep 22	100%	Done	22 editorials on Europeana.eu, incl. online exhibition are available

⁶³ <https://pro.europeana.eu/page/common-european-data-space-for-cultural-heritage>

⁶⁴ <https://pro.europeana.eu/page/data-space-service>

⁶⁵ <https://pro.europeana.eu/page/data-space-projects>

⁶⁶ All projects funded under (CEF-TC-2020-1) call end after the end of the reporting period DSI-4 Y4.

⁶⁷ <https://pro.europeana.eu/project/weave-widen-european-access-to-cultural-communities-via-europeana>

⁶⁸ Project-related entries refer to entries such as project pages, news, events and more on Europeana Pro.

		with cultural heritage				
Europeana Subtitled⁶⁹						
GS	6,000 AV records	Task 2.2 Data acquisition and data improvements	Nov 22 ⁷⁰	100%		6,705 new records have been published up to 31 Oct. Some remaining records are expected to be published by the end of the project, 30 Nov 22.
GS	3 Crowdsourced/correction campaigns (edit-a-thons)	Task 3.6. Facilitate the reuse of high quality data	Nov 22	100%	Done	-
GS	3 Subtitle-a-thons campaigns	Task 3.6. Facilitate the reuse of high quality data	Nov 22	100%	Done	
GS	Submission of the results of the campaigns to Europeana CSP (subtitles and captions available)	Task 2.2 Data acquisition and data improvements	Nov 22	50%	Ongoing	Waiting for partners to submit subtitles and captions.
DS	Differentiation of subtitle/caption enrichments on the display at Europeana.eu	Task 3.6 Facilitate the reuse of high quality data	Nov 22	70%	Ongoing	The API has been adjusted to differentiate provisioned from contributed subtitles NISV has approved the request and Noterik is working on updating the Media Player
GS	Online training suite and materials	Task 3.4 Develop capacity building as a service	Sep 22	50%	Delayed	Subbit training suits and materials are ready and available on the Subbit platform. Training materials from the capacity building events will be ready once the events are held expected end Nov 22.

⁶⁹ <https://pro.europeana.eu/project/europeana-subtitled>

⁷⁰ The original deadline was May 22 but it was extended by project partners to November 22 to meet all requirements. The new deadline is within the project scope.

GS	3 capacity building events	Task 3.4 Develop capacity building as a service	Nov 22	70%	Ongoing	Preparations are ready. First event was held on 27 October. The last 2 events will be held at the end on November.
GS	2 project entries on Europeana Pro.	Task 3.3 Build awareness and engagement	Nov 22	20%	Ongoing	4 more project entries are expected by the end of the project on Europeana Pro.
GS	24 editorials on Europeana.eu (incl. exhibition)	Task 4.2 Engage audiences with cultural heritage	Nov 22			23 editorials have been published
GS	Learning scenario and lessons plans created and available on Europeana classroom	Task 3.6. Facilitate the reuse of high quality data	Nov 22	100%	Done	The learning scenario for CLIL ⁷¹ is available on the Teaching with Europeana blog including the different lesson plans of the participants teachers in the Subtitle-a-thon Caserta ⁷² . The Subtitle-a-thon Caserta, the Subtitle-a-thon toolkit and the CLIL learning scenario are all integrated in the Europeana Classroom as case study for CLIL ⁷³
Jewish History Tour⁷⁴						
GS	30,000 new records with enrichments (incl. 5,000 newly digitised records in Tier4) available on Europeana.eu	Task 2.2 Data acquisition and data improvements	Nov 22 ⁷⁵	20%	Ongoing	8,649 records with enrichments have been published in Tier 2A+. Depending on the set the partners have enriched using translation and geo-enrichments. Additionally, 41,623 are in preview. ⁷⁶

⁷¹ <https://teachwitheuropeana.eun.org/learning-scenarios/subtitle-it-is-it-645/>

⁷² <https://www.subtitleathon.eu/event/caserta/>

⁷³ <https://www.europeana.eu/en/learning-content-through-an-additional-language>

⁷⁴ <https://pro.europeana.eu/project/jewish-history-tours>

⁷⁵ The original deadline was July 22 but it was extended by project partners to November 22 to meet all requirements. The new deadline is within the project scope.

⁷⁶ From the 41,623, around 25% are new records and the difference are updated records available on Europeana.

GS	Validation methodology for enrichments is ready	Task 2.3 Automated approaches towards data quality	Nov 22	20%	Ongoing	There has been some initial discussion regarding the validation methodology but there are some delays on partners' side.
GS/DS	Enhancement of Europeana API with geospatial querying	Task 1.1 Provide reliable data space infrastructure and quality services	Nov 22 ⁷⁷	100%	Done	
GS	Tours available on Europeana.eu via oEmbed	Task 4.2 Engage audiences with cultural heritage	Mar 23	5%	Not started	It is expected to link the tours on a blog/blogs (editorials) on Europeana.eu
GS	Impact assessment study	Task 3.4 Develop capacity building as a service	Oct 22	100%	Done	Impact assessment ready, this one will feed into the sustainability plan of the project (Feb 23)
GS	Multilingual package of training materials (at least 3 EU languages)	Task 3.5. Facilitate the provision of high quality data	Jan 23		Not started	
GS	Recommendations on the cooperation of European Initiative and Cultural Routes of the Council of Europe Programme	Task 3.1. Enhance cooperation throughout the data space	Jan 23	5%	Ongoing	Initial planning has started
GS/DSI	Editorials on Pro	Task 4.2 Engage audiences with cultural	Feb 23	80%	Ongoing ⁷⁸	2 Pro news were published. 1 European Initiative and Cultural Routes of the Council of Europe

⁷⁷ The original deadline was July 22 but it was extended by project partners to November 22 to meet all requirements. The new deadline is within the project scope.

⁷⁸ This outcome will continue after the DSI-4 Y4 contract as more editorials are expected after August 2022 and until the end of the project.

		heritage				Programme, 1 Impact assessment findings
EnrichEuropeana+⁷⁹⁸⁰						
GS	100,000 new records	Task 2.2 Data acquisition and data improvements	Dec 22	7%	Delayed ⁸¹	Partners are testing the data with Metis Sandbox so the data can meet all their GA requirements, before submitting to Europeana. There are still some updates that need to happen on their side before submission.
GS/DS	100,000 records with enrichments (translations, transcriptions, semantic enrichments)	Task 2.2 Data acquisition and data improvements	Mar 23	0%	Not started	Second ingestion of records with enrichments (combination of recently submitted records and records already available on Europeana.eu)
GS	Validation of enrichments criteria agreed with EF	Task 2.3 Automated approaches towards data quality	Mar 23	5%	Ongoing	EF is defining the criteria for enrichments. Project partners will review the criteria and see what is possible on their side. After discussion, a decision will be made regarding the type of enrichment created.
GS	Integration Transcribathon platform and Europeana CSP by implementing single sign-on on Transcribathon platform	Task 1.1 Provide reliable data space infrastructure and quality services	Mar 23	5%	Ongoing	Partners' input to be implemented by EF in the Europeana CSP (depending on research outcomes).
GS	Call to action button on Europeana.eu	Task 1.1 Provide reliable data space infrastructure and quality services	Mar 23	5%	Ongoing	Discussions have been held between EF and project partners. Partners' input

⁷⁹ <https://pro.europeana.eu/project/enricheuropeana>

⁸⁰ The project was extended for 6 months.

⁸¹ During November 2021-August 2022 the project delivered (7% or 6,974 records) of the expected 100,000 records. According to the project partners, MS3 Content aggregation - first ingestion into Europeana was achieved (due date 30 Nov 21). The partners will ingest the remaining records during the project scope. The progress column will show the updates related to the % of records that have been published in Europeana.

						implemented by EF in the Europeana CSP.
GS	Automatization of the selection of data on Europeana.eu to be enriched on the Transcribathon tool	Task 1.1 Provide reliable data space infrastructure and quality services	Mar 23	5%	Ongoing	Partners' input implemented by EF in the Europeana CSP, plus pending on curatorial requirements such as copyrights and type of content. Partners are currently setting the requirements for making datasets automatically available for transcriptions, based on curatorial decisions e.g what type, what licences.
GS	2 webinars for CH professionals	Task 3.4 Develop capacity building as a service	Nov 22	50%	Ongoing	1 webinar was held during DSI4-Y4.
GS	3 workshops CHIs and educational institutions	Task 3.4 Develop capacity building as a service	Mar 23	70%	Ongoing	2 workshops were held during DSI4-Y4.
GS	3 transcribathons events	Task 3.6. Facilitate the reuse of high quality data	Nov 22	70%	Ongoing	2 transcribathons were held during DSI4-Y4.
GS/DS	10 editorials pieces on Pro and/or editorials on Europeana.eu	Task 4.2 Engage audiences with cultural heritage/ Task 3.3 Build awareness and engagement	Mar 23	40%	Ongoing	4 editorials have been published during DSI4-Y4. (2 on Europeana Pro and 2 on Europeana.eu)
GS	Impact assessment	Task 3.4 Develop capacity building as a service	Feb 23	15%	In progress	-

CRAFTED - Enrich and promote traditional and contemporary crafts ⁸²						
GS	189,660 new records and 26,300 upgraded records.	Task 2.2 Data acquisition and data improvements	Jun 23 ⁸³	20%	Ongoing	Data preparation is underway at the aggregators' level
GS	100,000 records enriched	Task 2.2 Data acquisition and data improvements	Jun 23 ⁸⁴	5%	Ongoing	The enrichments done by the project are: semantic enrichments, subtitled using speech-to-text of AV content, enrichments of OCR of text in AV content that will be put into text transcripts. Not all enrichments will be available on Europeana.eu as not all these types of enrichments are supported by Europeana.
GS	Extension to handle and display enrichments on Europeana.eu	Task 4.2 Engage audiences with cultural heritage	May 23	100%	Done	
GS	Human-in-the-loop methodology for the enrichment of CH metadata	Task 1.1 Provide reliable data space infrastructure and quality services	Sep 22	100%	Done	The methodology is ready. EF is continuing to revise and evaluate the outcomes of the HiTL methodology throughout the enrichment process. This task will be finished by the end of April 2023 once all enrichments are on Europeana.
GS	Crafted toolset	Task 1.1 Provide reliable data space infrastructure and quality services	May 23	80%	Ongoing	

⁸² <https://pro.europeana.eu/project/crafted>

⁸³ The original deadline was October 22 but it was extended by project partners to June 23 to meet all requirements. The new deadline is within the project scope.

⁸⁴ The original deadline was October 22 but it was extended by project partners to June 23 to meet all requirements. The new deadline is within the project scope.

GS	Crafted guidelines and documentation materials for CH professionals	Task 3.4 Develop capacity building as a service	May 23	10%	In Progress	
GS	Crafted training resources on AI and crowdsourcing technologies for education	Task 3.6. Facilitate the reuse of high quality data	June 23	20%	In Progress	Documentation and capacity building resources are being written
GS	24 editorials available on Europeana.eu (incl. 3 exhibitions and 9 blog posts using the media player)	Task 4.2 Engage audiences with cultural heritage	June 23	70%	Ongoing	30 editorials (incl. exhibition) have by the end of the reporting period.
GS	Project entries on Pro	Task 3.3 Build awareness and engagement	June 23		Ongoing	1 project entry was published during the reporting period
GS	3 edit-a-thons campaigns	Task 3.5. Facilitate the provision of high quality data	Jun 23	40%	Ongoing	1 edit-a-thon campaign has been conducted, two more are planned
GS	3 workshops for CH professionals	Task 3.5. Facilitate the provision of high quality data	Jun 23	66%	Ongoing	2 workshops have been organised, a third will be organised in Q1 of 2023

Other GS projects with outcomes to be integrated in Data Space

SGoAB- Saint George on a Bike⁸⁵

GS/DS	2 project entries on Pro	Task 3.3 Build awareness and engagement	Feb 23	50%	Ongoing	1 project entry published
GS	2 crowdsourcing campaigns	Task 2.2. Data acquisition and data improvements	Feb 23	50%	Ongoing	Campaigns are ongoing. End of Nov EF will start evaluating the enrichments produced.

⁸⁵ <https://pro.europeana.eu/project/saint-george-on-a-bike>

GS	1 workshop	Task 3.4 Develop capacity building as a service	Feb 23	0%	Not started	
Europeana Translate⁸⁶						
GS	Niche-sourcing campaigns and experts evaluation completed (3 campaigns; selected translated fields from 500 records to be evaluated per language by linguist experts; near human quality (over 89% score on average) for the majority of languages)	Task 2.3 Automated approaches towards data quality	Jan 23	50%	Ongoing	An evaluation of automatic translations will be produced by the engine by linguist experts. 3 crowdsourcing campaigns will be organised by Europeana aggregators for validation of the translation produced by the engines.
GS	Cultural heritage-related datasets with 10 million records (multilingual and monolingual metadata records) sourced from Europeana API, processed and tagged. Resources will cover the 24 EU official languages. All resources have a free reuse licence (CC0)	Task 1.2 Foster innovation, interoperability and compliance with other data services Task 2.3 Automated approaches towards data quality	Jan 23	50%	Ongoing	
GS	Toolset for processing the multilingual cultural heritage metadata and publishing it to the Europeana platform (23 translation engines deployed)	Task 1.1. Provide reliable data space infrastructure and quality of services Task 1.2 Foster innovation, interoperability and compliance with other data services	Mar 23	50%	Ongoing	The tools, pipeline and engine will be connected with Europeana CSP Europeana.eu back and user front will be updated to support multilingual search and item view.

⁸⁶ <https://pro.europeana.eu/project/europeana-translate>

		Task 4.1. Deliver high-performing Europeana website				
GS	Impact Assessment report prepared	Task 3.4 Develop capacity building as a service	Apr 23	50%	Ongoing	Impact assessment of multilingual translation and engines on European CSP and end-users.
GS	Dissemination report prepared	Task 3.3 Build awareness and engagement Task 3.4 Develop capacity building as a service	Apr 23	50%	On track ⁸⁷	1 editorial available on Pro. A capacity building workshop will be organised and relevant documentation about the overall workflow as well as the technical tools will be created. The documentation will be available online to further support capacity building.
GS	Sustainability plan prepared	Task 1.1. Provide reliable data space infrastructure and quality of services Task 4.1. Deliver high-performing Europeana website	Apr 23	0%	Not started	
GS	Metadata records with translations available to Europeana	Task 2.2 Data acquisition and data improvements Task 4.1. Deliver high-performing Europeana	Apr 23	0%	Not started	A quality assessment and definition of quality filters for the translation suitable for Europeana CSP will be done. 25 million metadata records with translation will be available on Europeana

⁸⁷ This outcome will continue after the DSI-4 Y4 contract until the end of the project.

		website				
J-Ark European Jewish Community Archive⁸⁸						
GS	Editorials on Pro	Task 3.2. Nurture networks and Task 4.2. Relations with Europeana Generic Services projects	Aug 22	30%	On track ⁸⁹	1 editorial available on Europeana Pro.
WATCHLIKEAHIST - Watching videos like historian⁹⁰						
Erasmus+	Project entries on Pro	Task 3.3 Build awareness and engagement	Aug 23	10%	Ongoing	
Erasmus+	Impact assessment	Task 3.4 Develop capacity building as a service	Oct 22	100%	Submitted	This is a living document that will be updated to report on the metrics and adjust them if necessary
Erasmus+	Practitioner guide for AV collections holder available on Europeana Pro	Task 3.5. Facilitate the provision of high quality data	Jun 23	10%	Ongoing	Media literacy competence framework is being updated and translated. Final revisions will be made and then it will be made available on Europeana Pro.
InDICES⁹¹						
H2020	Project entries on Pro	Task 3.3 Build awareness and engagement	Mar 23	70%	Ongoing	1 Project related entry available in Pro.

⁸⁸ <https://pro.europeana.eu/project/j-ark-european-jewish-community-archive>

⁸⁹ This outcome will continue after the DSI-4 Y4 contract until the end of the project.

⁹⁰ <https://pro.europeana.eu/project/watching-videos-like-a-historian-watchlikeahist>

⁹¹ <https://pro.europeana.eu/project/indices>

Task 5.4. Phasing-in and phasing-out periods

Partners: EF

As EF was the current Europeana DSI operator, no phasing-in period was required. The work related to the phasing-out and transfer processes to a successor contractor (i.e. a third party contractor awarded by the EC to continue the operation, in full or in part, of the data space) will start in the second contractual year if a contract takeover is required from 1 July 2024.

Annex: Progress on deliverables

This table states progress on deliverables for Y1 (1 September 2022 - 31 August 2023).

Type	Name	Due month	Done
PM.	Implementation plan	M1, M12	M1
PM.	Risk management plan	M3	M3
PM.	Periodic report	M3, M6, M9, M12	M3
PM.	Annual report	M12	-
DS.	Data governance	M7	-
DS.	Infrastructure report	M9	-
DS.	Technical documentation	M10	-
DS.	Stress test reports	M11	-
DS.	Disaster recovery	M11	-
DS.	Data supply and reuse report	M8	-
DS.	Users and usage report	M6	-
DS.	Communication and dissemination plan	M2, M11	M2

Annex: Risk log

WP1: Development and operation of the data space infrastructure

Identify			Assess						Plan for and Control		Governance		
ID	Risk description	Activity	Date updated	Response	Type	Impact	Probability	Priority	Proposed action	Mitigation & Contingent plan	Informed	Consulted	Risk history
	<i>Brief summary of the risk cause, the risk event (either threat/opportunity), and the risk effect</i>	<i>Activity according to IP</i>	<i>Last updated</i>	<i>Overall risk response</i>	<i>Threat (negative impact) or Opportunity (positive impact)</i>	<i>Rate 1 (very low) to 5 (very high)</i>	<i>Rate 1 (very low) to 5 (very high)</i>	<i>Impact x probability (automatically filled)</i>	<i>(automatically filled)</i>	<i>Mitigation explanation and link to contingent plan (if needed)</i>	<i>Entity informed about the risk (if applicable)</i>	<i>Entity consulted about the risk (if applicable)</i>	<i>Information on risk history</i>
Task 1.1. Provide reliable data space infrastructure and quality of services													
R.WP1.1	High traffic in form of attacks can cause interruptions in the service	Activity 1.1.1. Extend and maintain platform infrastructure and services	2022-12-02	Reduce	Threat	4	2	Medium	Tolerable and Monitor	Anti-flooding mechanism are in place to limit the traffic to real users	N/A	N/A	
R.WP1.2	The data space infrastructure is subject to cybersecurity attacks	Activity 1.1.1. Extend and maintain platform infrastructure and services	2022-12-02	Reduce	Threat	3	3	Medium	Tolerable and Monitor	The data space will deploy security mechanism to prevent Distributed denial-of-service DDOs attacks, security leaks at the level of user authentication/identity management system for internally developed software, code vulnerabilities etc	N/A	N/A	
R.WP1.3	The data space services are unavailable to users due to infrastructure failure(s)	Activity 1.1.1. Extend and maintain platform infrastructure and services	2022-12-02	Reduce	Threat	5	1	Low	Acceptable	Disaster recovery and failover procedures are available to limit the impact on the public services	N/A	N/A	
Task 1.2. Foster innovation, interoperability and compliance with other data spaces													
R.WP1.4	The recommendations and developments of the Data Space ecosystem services (Data Space support centre, Technical Framework, Simpl platform) will be developed during the contract and might impact the plans made as part of the tender offer	Activity 1.2.2. Synergies with other European data spaces	2022-12-02	Exploit	Opportunity	2	3	Medium	Tolerable and Monitor	The operator will use its agile development methodologies to seize opportunities and will align its infrastructure components to the recommendations. This means that some developments initially planned may have to be deprioritised.	N/A	N/A	

WP2: Integration of high-quality data

Identify			Assess						Plan for and Control		Governance		
ID	Risk description	Activity	Date updated	Response	Type	Impact	Probability	Priority	Proposed action	Mitigation & Contingent plan	Informed	Consulted	Risk history
	<i>Brief summary of the risk cause, the risk event (either threat/opportunity), and the risk effect</i>	<i>Activity according to IP</i>	<i>Last updated</i>	<i>Overall risk response</i>	<i>Threat (negative impact) or Opportunity (positive impact)</i>	<i>Rate 1 (very low) to 5 (very high)</i>	<i>Rate 1 (very low) to 5 (very high)</i>	<i>Impact x probability (automatically filled)</i>	<i>(automatically filled)</i>	<i>Mitigation explanation and link to contingent plan (if needed)</i>	<i>Entity informed about the risk (if applicable)</i>	<i>Entity consulted about the risk (if applicable)</i>	<i>Information on risk history</i>
Task 2.1. Develop and manage data governance mechanisms													
R.WP2.1	The short and rigid timeframe, and multiple dependencies, for delivery of DS. Data Governance (M7) might lead to inadequate mechanisms for the short term requirements of the DS. Noting also its dependency on clear long-term vision for data-sharing and on other deliverables due at a later stage	Activity 2.1.1. Identify data governance requirements and objectives	2022-12-02	Reduce	Threat	3	2	Medium	Tolerable and Monitor	The development of the 'Strategy and plan for the development of the DGM'(outcome Dec 22) describes and makes transparent our approach to developing the Deliverable due in M7. In addition steps are underway to set up a stakeholder group.	N/A	N/A	
R.WP2.2	Insufficient capability (skills and knowledge) are available in stakeholders on key topics addressed by the Data Governance Mechanism leading to ineffective stakeholder engagement and implementation	Activity 2.1.1. Identify data governance requirements and objectives	2022-12-02	Reduce	Threat	2	3	Medium	Tolerable and Monitor	Working with the Capacity Building Working Group to develop requirements for the training programme to deliver training and knowledge transfer activities that support the advancement the capabilities of stakeholders relevant to the DGM	N/A	N/A	
Task 2.2. Data acquisition and data improvements													
R.WP2.3	The data provided by consortium aggregators and data improvements on the platform are not sufficient to reach annual 10% increase of high quality data	Activity 2.2.2. Raise the quality and access to existing content and metadata	2022-12-02	Reduce	Threat	2	3	Medium	Tolerable and Monitor	Active participation from National Aggregators is essential to meet the targets (in line with Recommendations). EC and Member States will be informed regularly about MS contributions so that remedial actions can be taken sufficiently in time to meet the targets.	EAF & CEDCHE	EAF & CEDCHE	
Task 2.3. Automated approaches towards data quality													
R.WP2.4	The chosen AI solution, image resolution enhancement can't be deployed at scale because of the complexity of the technical implementation	Activity 2.3.1. Use of AI to enrich metadata and content	2022-12-02	Reduce	Threat	3	3	Medium	Tolerable and Monitor	Another experiment focusing on the enhancement of content will be proposed for deployment instead.	N/A	N/A	
R.WP2.5	AI activities are limited by copyright and need to be balanced out with political and ethical concerns	Activity 2.3.1. Use of AI to enrich metadata and content	2022-12-02	Reduce	Threat	3	3	Medium	Tolerable and Monitor	Limitations for AI activities linked to copyright and/or data protection laws will be taken into account and investigated as part of the development of the Data Governance.	EAF	EAF	

WP3: Capacity building and fostering reuse

Identify			Assess						Plan for and Control		Governance		
ID	Risk description	Activity	Date updated	Response	Type	Impact	Probability	Priority	Proposed action	Mitigation & Contingent plan	Informed	Consulted	Risk history
	<i>Brief summary of the risk cause, the risk event (either threat/opportunity), and the risk effect</i>	<i>Activity according to IP</i>	<i>Last updated</i>	<i>Overall risk response</i>	<i>Threat (negative impact) or Opportunity (positive impact)</i>	<i>Rate 1 (very low) to 5 (very high)</i>	<i>Rate 1 (very low) to 5 (very high)</i>	<i>Impact x probability (automatically filled)</i>	<i>(automatically filled)</i>	<i>Mitigation explanation and link to contingent plan (if needed)</i>	<i>Entity consulted about the risk (if applicable)</i>	<i>Entity consulted about the risk (if applicable)</i>	<i>Information on risk history</i>
Task 3.1. Enhance cooperation throughout the data space													
R.WP3.1	The coordination to enhance cooperation of stakeholders in the Data Space is slow and impacts progress	Activity 3.1.1. Develop methods of cooperation	2022-12-02	Reduce	Threat	2	3	Medium	Tolerable and Monitor	We collaboratively prioritise developments in cooperation based on the needs of the stakeholders and regularly meet and evaluate progress.	ENA & EAF	ENA & EAF	ENA & EAF discussions underway
R.WP3.2	The enhanced accreditation scheme does not lead to a positive change in the engagement & participation of aggregators in EAF	Activity 3.1.2. Provide secretariat for Europeana Aggregators' Forum (EAF) and Europeana Network Association (ENA)	2022-12-02	Reduce	Threat	2	3	Medium	Tolerable and Monitor	We will iteratively develop and test enhancements to the scheme, utilising user research and feedback gathered.	EAF	EAF	EAF discussions to be scheduled
R.WP3.3	Insufficient engagement of ENA members, results in low levels of knowledge transfer, and satisfaction	Activity 3.1.2. Provide secretariat for Europeana Aggregators' Forum (EAF) and Europeana Network Association (ENA)	2022-12-02	Reduce	Threat	3	3	Medium	Tolerable and Monitor	Improved CRM and user research functionalities will steadily enable greater understanding of needs and ability to respond to and measure the impact of the response. Increasing effectiveness and efficient use of Europeana DS resources	ENA & EAF	ENA & EAF	ENA & EAF discussion to be scheduled
Task 3.2. Identify needs of user groups													
Task 3.3. Build awareness and engagement													
R.WP3.4	Development and implementation of increasing numbers of platforms for professional audience engagement complicates, reduces user satisfaction and drives down user visits to websites like Europeana Pro	Activity 3.3.3. Engage professional audiences	2022-12-02	Reduce	Threat	3	3	Medium	Tolerable and Monitor	We will regularly evaluate the available data to assess the impact of changes made and performance of platforms.	N/A	N/A	
R.WP3.5	Disruption to successful delivery of in person events due to long tail impact of COVID19 Pandemic	Activity 3.3.2. Develop event programming	2022-12-02	Accept	Threat	5	1	Low	Acceptable	Risk evaluation and mitigation strategy developed for each event to ensure smooth transition to hybrid/fully digital events	N/A	N/A	
Task 3.4. Develop capacity building as a service													
R.WP3.6	Low uptake for participation of professional audience in training programme realised	Activity 3.4.2. Manage and develop mechanisms for the training programme	2022-12-02	Reduce	Threat	3	2	Medium	Tolerable and Monitor	User and impact research is undertaken to define and validate stakeholders' needs and informs the motivation and engagement model to increase the product/market fit of the training programme	N/A	N/A	
Task 3.5. Facilitate the provision of high quality data													
R.WP3.7	The demand for expertise to deliver training is greater than the supply (for example due to the availability of resources to stimulate the supply)	Activity 3.5.1. Deliver training programme for aggregators and data partners	2022-12-02	Reduce	Threat	3	2	Medium	Tolerable and Monitor	Outreach and Engagement Plans for ENA & EAF consider methods to catalogue and connect with expertise within networks to ensure a repository of potential expertise is identified	N/A	N/A	
Task 3.6. Facilitate the reuse of high quality data													

WP4: Digital services for the public

Identify			Assess						Plan for and Control		Governance		
ID	Risk description	Activity	Date updated	Response	Type	Impact	Probability	Priority	Proposed action	Mitigation & Contingent plan	Informed	Consulted	Risk history
	<i>Brief summary of the risk cause, the risk event (either threat/opportunity), and the risk effect</i>	<i>Activity according to IP</i>	<i>Last updated</i>	<i>Overall risk response</i>	<i>Threat (negative impact) or Opportunity (positive impact)</i>	<i>Rate 1 (very low) to 5 (very high)</i>	<i>Rate 1 (very low) to 5 (very high)</i>	<i>Impact x probability (automatically filled)</i>	<i>(automatically filled)</i>	<i>Mitigation explanation and link to contingent plan (if needed)</i>	<i>Entity informed about the risk (if applicable)</i>	<i>Entity consulted about the risk (if applicable)</i>	<i>Information on risk history</i>
Task 4.1. Deliver high-performing Europeana website													
R.WP4.1	Expectations regarding the deployment of multilingual services are higher than what available technology and financial resources enable Europeana DS to implement	Activity 4.1.4. Expand multilingual coverage to include all EU official languages	2022-12-02	Reduce	Threat	3	3	Medium	Tolerable and Monitor	We regularly evaluate and communicate the results of evaluation to stakeholders. Adapt plans to the performance level of technology.	N/A	N/A	
R.WP4.2	The eTranslation service is unable to support internationalisation and localisation in all EU official languages	Activity 4.1.4. Expand multilingual coverage to include all EU official languages	2022-12-02	Accept	Threat	3	3	Medium	Tolerable and Monitor	Europeana DS will diversify its sources to obtain translations. The new translation broker API will allow for the DS to be more flexible and more efficient towards the use of translation services.	N/A	N/A	
Task 4.2. Engage audiences with digital cultural heritage													

WPS: Programme management

Identify		Assess						Plan for and Control		Governance		
ID	Risk description	Date updated	Response	Type	Impact	Probability	Priority	Proposed action	Mitigation & Contingent plan	Informed	Consulted	Risk history
	<i>Brief summary of the risk cause, the risk event (either threat/opportunity), and the risk effect</i>	<i>Last updated</i>	<i>Overall risk response</i>	<i>Threat (negative impact) or Opportunity (positive impact)</i>	<i>Rate 1 (very low) to 5 (very high)</i>	<i>Rate 1 (very low) to 5 (very high)</i>	<i>Impact x probability (automatically filled)</i>	<i>(automatically filled)</i>	<i>Mitigation explanation and link to contingent plan (if needed)</i>	<i>Entity informed about the risk (if applicable)</i>	<i>Entity consulted about the risk (if applicable)</i>	<i>Information on risk history</i>
Task 5.1. Ensure continuous progress monitoring and reporting												
Task 5.2. Governance												
Task 5.3. Manage relations with other EU-funded projects												
Task 5.4. Phasing-in and phasing-out periods												