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

PM. Periodic report M15

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TABLE OF CONTENTS

Abbreviations	4
Highlights	5
Introduction	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	11
Work package 2: Integration of high-quality data	14
Task 2.1. Develop and manage data governance mechanisms	14
Task 2.2. Data acquisition and data improvements	16
Task 2.3. Automated approaches towards data quality	21
Work package 3: Capacity building and fostering reuse	22
Task 3.1. Enhance cooperation throughout the data space	22
Task 3.2. Identify needs of user groups	25
Task 3.3. Build awareness and engagement	27
Task 3.4. Develop capacity building as a service	29
Task 3.5. Facilitate the provision of high quality data	30
Task 3.6. Facilitate the reuse of high quality data	33
Work package 4: Digital services for the public	39
Task 4.1. Deliver high-performing Europeana website	39
Task 4.2. Engage audiences with digital cultural heritage	42
Work package 5: Programme management	46
Task 5.1. Ensure continuous progress monitoring and reporting	46
Task 5.2. Governance	48
Task 5.3. Manage relations with other EU-funded projects	48
Task 5.4. Phasing-in and phasing-out periods	57
Annex: Progress on deliverables	58
Annex: Risk log	59

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.

Highlights

In Sep/Oct 2023, the Europeana DS consortium (co)organised several events.

The '[EuropeanaTech conference - Explore, Engage, Experience: cultural heritage in the data space and beyond](#)' (10 - 12 Oct) welcomed 719 participants of which 230 joined us physically at the Institute for Sound and Vision in The Hague, the Netherlands. The event attracted people from all over the world as we counted visitors from 67 countries.

The Spanish Presidency Europeana conference '[Accelerating 3D in the common European data space for cultural heritage: Building capacity for 3D](#)' on 17 Oct 2023 was co-organised in collaboration with the Spanish Ministry of Culture and Sports. 293 participated online and 75 attended the conference in person in Pamplona, with an overall satisfaction rate of 88%.

Our annual [GIF IT UP](#) contest – where we teach and encourage creative remixing of open access digital cultural heritage – was run in Oct 2023. This year's special category: Underrepresented Communities, focussing on people and communities that historically have not been in the spotlight. There were 98 eligible entries that remixed more than 130 cultural heritage items that came from 53 different cultural institutions, based in 22 different countries.

Introduction

The periodic report describes work carried out under the common European data space for cultural heritage from 1 Sep 2023 (M13) until 31 Oct 2023 (M14) based on the implementation plan (PM. Implementation plan M12).

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 Y2 (Sep 2023 - Aug 2024, as stated in PM. Implementation plan M12) 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 2024).

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 outcomes we report on have a transparent background.

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 DS AGG

The data space infrastructure 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 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	Solution for the long-term persistence of metadata records designed	60%	Nov 2023
EF	Implementation plan for the persistence and uniqueness of identifiers in the DS refined	10%	Dec 2023
EF	Report on practices of aggregators towards persistent identifiers completed	10%	Dec 2023
EF	First version of a failover environment in place	15%	Mar 2024
EF	Logging infrastructure upgraded to allow scaling of activities around search logs	10%	Mar 2024
EF	Report on practices of CHIs towards persistent identifiers completed	Not started	Jun 2024
EF	Implementation plan for the persistence and uniqueness of identifiers in the DS updated	Not started	Jun 2024
EF	Solution for the long-term persistence of metadata records implemented	Not started	Jul 2024

EF, AIT Vienna	Post publication pipeline reviewed and made ready for production	Not started	Aug 2024
EF	Full disaster recovery test completed ²	-	Ongoing
EF	Inventories of Europeana infrastructure and products (incl. servers, databases, licences) reviewed and maintained	-	Ongoing
EF	Europeana database reprocessing activities completed ³	-	Ongoing
EF	Infrastructure supporting products and services are maintained - 80% in M13 - M14	-	Ongoing
EF	Compliance with data protection maintained ⁴	-	Ongoing
Activity 1.1.2. Extend and maintain aggregation systems and services			
PSNC	New data processing framework for eCloud and the Metis Suite selected	15%	Mar 2024
DATO, DS AGG	Metis Sandbox validation and problem pattern API tested and integrated in MINT based infrastructure	Not started	Mar 2024
PSNC	MVP of new data processing library in combination with the Metis Sandbox implemented	Not started	Aug 2024
PSNC	IIIF image service consolidated and maintained	Not started	Aug 2024
DATO, DS AGG	Metis Sandbox validation and problem pattern API tested by users of the MINT based infrastructure	Not started	Aug 2024
EF, PSNC	The Metis applications are maintained and kept up-to-date - 25% in M13 - M14	-	Ongoing
Activity 1.1.3. Extend and maintain Application Programming Interfaces (APIs)			
EF	V3.0 design of the Record API completed	90%	Dec 2023
EF	Internal services using machine translation are integrated with the Translation API	Not started	Jan 2024
EF	Search by dates (API implementation) (M-F2)	Not started	Feb 2024
EF	Testing of the Record API V3.0 with alpha users completed	Not started	Mar 2024
EF	Integration experiments and sharing requirements and data with the eTranslation service completed	Not started	Jun 2024

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	V3.0 of the Record API is released	Not started	Aug 2024
EF, AIT Vienna	Translation API is extended and optimised	50%	Aug 2024
EF	Solutions to extend Recommendation Service with personalised and content based recommendations investigated and requirements collected	Not started	Aug 2024
EF, AIT Vienna	Europeana APIs are maintained and well performing - 35% in M13 - M14	-	Ongoing

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

No.	Description	Measured by	Frequency	Target Y2	Aug 2023	Sep 2023	Oct 2023	Nov 2023
KPI 1.1	Records with identifiers using a recognizable persistent identifier scheme	Total number of records in the data repository (incl. Tier 0)	Annually	7⁵ million	7,362,16 (Feb 2023)	11,086,121	Exp. Jul 2024	-
KPI 1.2	Response time of Europeana website	Average time (seconds) for single record per month	Monthly	1.0s	0.94	0.96	0.89	-
KPI 1.3	Uptime of Europeana website	Average in % for single record per month	Monthly	99.90%	99.95%	99.99	99.94	-
KPI 1.4	Uptime of public APIs (all)	Average in % per month	Monthly	99.90%	99.98%	100	100	-
KPI 1.5	Uptime of Europeana Pro	Average in % per month	Monthly	99.90%	99.73%	99.90	98.96	-
RM 1.1	Europeana website meets the WCAG 2.1	Homepage and item pages (except	Annually	-	AA	-	Exp. Jul 2024	-

⁵ The latest calculation done in Sep 2023 includes identifiers for which we can not guarantee persistence. As the number of records might change significantly in future calculations (after further investigations and refinements) we set a realistic target for Y2. We aim at stabilising the method we developed to calculate this KPI.

	conformance level AA	for the media) meet the WCAG 2.1 conformance level AA accessibility standard						
RM 1.2	Response time of all public APIs ⁶	Average response time (seconds) per month	Monthly	-	0.15	0.15	0.14	-
RM 1.3	Response time of Europeana Pro	Average response time (seconds) per month	Monthly	-	0.90	0.79	1.13	-
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	-	AA	-	Exp. Jul 2024	-
RM 1.5	Uptime of Metis	Average in % per month	Monthly	-	100	100	100	-
RM 1.8	Environmental impact of data space	Total carbon footprint of Europeana's digital services per calendar year	Annually	-	NEW	-	Exp. Aug 2024	-
RM 1.6	Data publication in Metis (full workflow from harvest to	Average time required for data publication (incl. full and	Bi-annually	-	22.07h ⁷	-	Exp. Jan 2024	-

⁶ Public APIs are the APIs serving external users requests: the Search and Record APIs, the Annotation, User sets and Entity APIs and the IIIF dedicated APIs.

⁷ The time is related to an average dataset consisting of about 31,300 records.

	successful indexing/publication)	incremental processing) (cumulative)						
RM 1.9	Integration of the Metis Sandbox API(s) in Aggregator's infrastructures	Total number of aggregators who tested and/or implemented an integration of the Metis Sandbox API(s)	Annually	>9	NEW	-	Exp. Aug 2024	

In Sep 2023 we recorded 11,086,121 records with identifiers using a recognizable persistent identifier scheme. Compared with the previous period (7,362,161 in Feb 2023), there was a large increase in PIDs, mainly due to an increase in PIDs using the URN scheme. This increase mainly originates from only one data provider. The URN scheme is now used in 48.2% of the existing PIDs, ARK in 28.3%, Handle in 17.7%, DOI in 5.0%, and PURL in 0.9%. However, we assume that the latest calculation done in Sep 2023 includes identifiers for which we can not guarantee persistence. As the number of records might change significantly in future calculations (after further investigations and refinements) we set a realistic target for Y2.

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

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

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 follow the developments of the Data Spaces Technical Framework and the Data Space Support Centre (DSSC) recommendations and communicate the needs and requirements of the data space to the DSSC (Activity 1.2.2). 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, DS AGG	Examples of new types of data collected and scenarios for their sharing in the data space developed	Not started	Dec 2023
EF, DS AGG	Mapping of the current aggregators' role to data space roles according the DSSC completed	Not started	Mar 2024
EF, DS AGG	Centralised vs decentralised aggregation scenarios delivered	Not started	Mar 2024
EF	Identification of data governance strategy use cases on the basis of centralised and decentralised scenarios	Not started	Jul 2024
EF, NISV	MVPs for new data aggregation methods implemented	5%	Jul 2024
EF	Updated Aggregation Strategy delivered	Not started	Aug 2024
Activity 1.2.2. Synergies with other European data spaces			
EF, AIT Vienna, NISV, CAPG	Mapping of the Europeana tools and services to the DSSC Blueprint V0.5	Not started	Dec 2023
EF, AIT Vienna, NISV, CAPG	Mapping of the Europeana tools and services to the DSSC Blueprint reviewed and updated	Not started	Jul 2024
EF	Collaboration with the Data Space Support Center (DSSC), other data spaces and related initiatives	-	Ongoing
Activity 1.2.3. Support interoperability and technological innovation for digital cultural heritage			
EF, NISV	EuropeanaTech community 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

Communication and dissemination activities

Partner	Name of event	Activity	Location	Date
EF	Semantic Web in Libraries (SWIB23)	Presentation "Towards a methodology for validation of metadata enrichments in Europeana"	Berlin, Germany	11-13/09/2023
EF	27th International Conference on Theory and Practice of	Paper and presentation "Persistent identifier usage by cultural heritage"	Zadar, Croatia	26-29/09/2023

	Digital Libraries (TPDL 2023)	institutions: a study on the Europeana.eu dataset"		
EF	2023 CC Global Summit	Presentation "Destination unknown: digital culture and artificial intelligence"	Mexico City, Mexico (hybrid)	3-6/10/2023

Reporting metrics: foster innovation, interoperability and compliance with other data spaces

No.	Description	Measured by	Frequency	Aug 2023	Sep 2023	Oct 2023	Nov 2023
RM 1.7	Reach to EuropeanaTech community	Number of people reached per month (Mailing list, Twitter)	Quarterly	6,685	-	7,333	-

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. 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. EF will also work with the cultural heritage community to source high quality data with particular attention to 3D data, and to support their availability through the data space. (Task 2.2.)

To achieve these objectives, the Europeana DS consortium will integrate the requirements needed to implement the [EC recommendations and the Digital Europe programme](#) and will collaborate closely with the cultural heritage community, the Member States (in the framework of the CEDCHE) and the European Commission. Data governance mechanisms developed in Y1 will be further researched and 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

Data in the data space is governed 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, stronger safeguards for privacy and data protection, more and varied partners, more decentralised data systems, and opportunities for cooperation with other data spaces (Activity 2.1.1.).

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 with a focus for better representing 3D (Activity 2.1.2. and 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, APEF	White paper outlining the conditions that govern metadata in the data space completed	10%	Feb 2024

EF, CAPG, APEF	Conditions for assigning accurate rights statements to 3D content outlined	Not started	Apr 2024
EF	Requirements for the provision of persistent and unique identifiers to the data space v1.0 developed (internal)	Not started	Apr 2024
EF	Types and characteristics of cooperation agreements required in the data space outlined (internal)	Not started	Jun 2024
EF, CAPG, APEF	Strategy for data governance maintained and updated	-	Ongoing
Activity 2.1.2. Develop and expand data governance frameworks and standards			
EF, Inception, TMO, Carare, Photocons	Extension of EDM to support 3D (V2) completed	10%	Feb 2024
EF	Provenance mechanism in EDM are refined to accommodate new needs	Not started	May 2024
Inception, TMO, Carare, Photocons, EF	Overview of standards and fields used to describe 3D delivered	Not started	Jun 2024
Inception, TMO, Carare, Photocons, EF	Interoperability between EDM and models to describe 3D established	Not started	Jul 2024
Activity 2.1.3. Manage data governance frameworks and standards			
EF	Implementation plan for the enrichment policy established	10%	Jan 2024
EF	Areas for development, gaps & opportunities of EPF services and products identified and specified using the Framework Management Template	Not started	Jul 2024
EF, DS AGG	List of metadata and content issues patterns is maintained	-	Ongoing
EF	Data Quality Committee is supported	-	Ongoing
EF	Europeana Copyright Community is supported	-	Ongoing
EF	Continuous support to the Rights Statements Consortium community (e.g. Steering Committee, Statements Working Group)	-	Ongoing

EF	Data governance stakeholder working group coordinated	-	Ongoing
EF	Europeana Licensing Framework (ELF) maintained	-	Ongoing
EF	Guidelines for CHIs and aggregators updated to reflect changes in EDM, EPF and ELF	-	Ongoing

Communication and dissemination activities

Partner	Name of event	Activity	Location	Date
EF	Creative Commons Summit	Three online presentations, one on digital culture & AI, one on implementing rights statements, and one on challenges around the public domain	Online	3-6/10/2023

Reporting metrics: develop and manage data governance mechanisms

No.	Description	Measured by	Frequency	Aug 2023	Sep 2023	Oct 2023	Nov 2023
RM 2.1	Reach to Europeana Copyright community	Number of people reached per month (Mailing list, Twitter)	Quarterly	3,075	-	3,076	-

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 into the data space. The consortium will reactivate dormant collaborations with existing aggregators to make new and

updated content and metadata available to the data space. Alongside the Twin it! campaign, where Member States are invited to submit one 3D digitised heritage asset to the data space (Activity 3.1.3.), the Europeana DS consortium together with the Europeana Aggregators' Forum will actively seek CHIs which own 3D content to contribute data to the data space. (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	Separate metadata tier calculation for data enriched by Europeana implemented	5%	Jan 2024
EF	Inventory of Europeana records impacted by selected problem patterns completed	Not started	Mar 2024
EF, DS AGG	Key elements of the prioritisation process for managing the data ingestion backlog reviewed and implemented	Not started	Apr 2024
EF	Prioritised problem patterns and data quality report improvements in the Metis Suite implemented	-	Ongoing
EF, DS AGG	Status update on usage and engagement of DS AGG with the Metis Sandbox	-	Ongoing
EF	Statistics Dashboard maintained and kept up-to-date	-	Ongoing
EF	Materials with personal or sensitive data mitigated upon request	-	Ongoing
Activity 2.2.2. Raise the quality and access to existing content and metadata			
EF, DS AGG	Europeana DS AGG annual work plans including quality objectives and/or targets per aggregator (internal) completed	Completed	Oct 2023
EF, DS AGG	Europeana DS AGG annual progress report completed	Not started	Aug 2024
EF	Report on the (multilingual) coverage of the entity collection	Not started	Aug 2024
DATO	MINT based infrastructures supported	-	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	Opportunities for the collaboration of national libraries and the Europeana Initiative in the data space explored (workshop)	10%	Jul 2024
EF, DS AGG	CHIs signing up with the Europeana Initiative via the call to action in the welcome pack supported	-	Ongoing
EF, DS AGG	Actions taken and results achieved to re-engage with inactive and new partners completed	-	Ongoing
Activity 2.2.4. Aggregate 3D content			
EF	Support for the provision of 3D media resources is added	Not started	Mar 2024
TMO	Mapping of national and sectoral repositories handling 3D data completed	Not started	Apr 2024
EF	Strategy for content embedding is designed and implemented as a MVP	Not started	Jul 2024
EF, CARARE, Inception, TMO, Photocons	Update on the availability of high quality 3D content available in the data space	Not started	Aug 2024
EF, CARARE, Inception, TMO, Photocons	Knowledge Base pages for 3D available and updated	-	Ongoing

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 the activities of the implementation plan aggregators contribute to and specify their targets to achieve the goals of the consortium. Over the years we have seen a diversification of activities. While the rise of data quality either through improvements of existing datasets or acquisition of new content is still the foundation of the work of DS AGG, there are a lot more activities DS AGG are involved with depending on their expertise. This ranges from the support of activities to foster innovation to work on frameworks and standards to capacity building activities and audience engagement.

Reporting metrics: data acquisition and data improvements

No.	Description	Measured by	Frequency	Target Y2	Aug 2023	Sep 2023	Oct 2023	Nov 2023
KPI 2.1	High quality data	Number of Tier 2+ material in Tier A+ (excl. content Tier 0)	Monthly	33.0 million	31.2 million	-	31.4 million	-

KPI 2.2	High quality content	Percentage of Tier 2 + material (excl. content Tier 0)	Monthly	>75%	73.03	-	73.28	-
KPI 2.3	High quality and reusable content	Percentage of Tier 3+ material (excl. content Tier 0)	Monthly	>60%	55.27	-	55.63	-
KPI 2.4	High quality metadata (search, browse and explore)	Percentage of Tier A+ material (excl. content Tier 0)	Monthly	>80%	74.15 ⁸	-	74.33	-
KPI 2.5	Broken links in the repository	Number of broken links (out of total, incl. content Tier 0)	Quarterly ⁹	<1%	-	3%	-	-
KPI 2.6	Non-EPF compliant content (Tier 0)	Percentage of Tier 0 content	Quarterly	<8%	8.27	-	7.72	-
RM 2.2	Updates to datasets	Total number of newly created and updated datasets per month (out of total)	Monthly	-	22	25	21	-
RM 2.3	Updates to records	Total number of newly created and updated records per month (out of total)	Monthly	-	640,242	524,760	455,062	-
RM 2.4	New CHIs providing data to the data space	Total number of new CHIs (cumulative)	Annually	-	154	-	Exp. Aug 2024	-

⁸ Between Jun - Aug 2023, we had an error in measuring the Tier A+ material (i.e. we included Tier 0 content by mistake).

⁹ Number of broken links are measured quarterly (Sep, Dec, Mar, Jun).

RM 2.5	New content on the Europeana website	Total number of new datasets published (cumulative)	Quarterly	-	114	-	133	-
RM 2.6	Records in the data repository	Total number of records (excl. content tier 0)	Quarterly	-	57.2 million	-	57.2 million	-
RM 2.7	Records in the data repository by accredited aggregators	Total number of records (excl. content tier 0)	Quarterly	-	42.2 million	-	43.1	-
RM 2.8	3D content available in Europeana (items)	Total number of 3D items published (Tier 2+ and Tier A+ material)	Quarterly	-	4,635	-	4,660	-
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	-	49	-	50	-
RM 2.10	Coverage of entity collection (items)	Total number of items linked to (at least) one entity collection	Quarterly	-	33.8 million	-	33.7 million	-
RM 2.11	Coverage of entity collection (collections)	Total number of entity collections with items	Quarterly	-	27,210	-	27,211	-
RM 2.12	Number of CHIs that signed up to receive their usage dashboard as part of the Welcome Pack	Total number of providing institutions	Quarterly	-	NEW	-	Exp. Jan 2024	-

Between Sep - Oct 2023, we updated 46 datasets (newly created or updated) and almost 980,000 million records. The updates contributed to an increase in data quality and new data (i.e. [new 3D data](#)).

3% broken links in the data repository, what looks like an increase in broken links is the result of a refined approach to identify datasets with broken links. In the last quarterly cycle we could incorporate the experience and feedback of users and align this better with the established more or less automatic process to identify broken links. We will repeat this process again in the next quarterly cycle and then should have identified and addressed datasets that have broken links.

Task 2.3. Automated approaches towards data quality

Partners: EF, DATO

In this task, EF, DATO and EFHA will continue work on automated approaches to address data quality issues at scale, especially employing AI technologies. EF and DATO will continue to improve the data enrichment process to create accurate links between cultural heritage item descriptions and contextual resources, especially addressing issues caused by ambiguous metadata values. EFHA and EF will work on solutions that can be applied to create more complete metadata and enhance the quality of content.

We will continue to promote usage of AI across the data space, sharing the outcome of the efforts in this activity (dataset, software) on relevant platforms, including the AI4Culture one whenever appropriate.

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, EFHA, DATO	Plan for underlying infrastructure (hardware and services) to be employed for AI efforts in the data space completed	Not started	Feb 2024
EF	Evaluation methodology of (AI) enrichment results (V2) published	Not started	Feb 2024
EF, DATO	Enrichment service is improved	Not started	Aug 2024
EFHA, EF	Improved titles and descriptions for EFHA records produced and evaluated	Not started	Aug 2024
EFHA, EF	Enhancement of EFHA images completed	Not started	Aug 2024
EF	Automated approaches to address data quality issues at scale, especially AI technologies, investigated and prepared for deployment	-	Ongoing

Work package 3: Capacity building and fostering reuse

The overarching objectives of WP3 are to build capacity and increase collaboration among professionals working with digital cultural heritage. Supporting these professionals will enable more high quality digital cultural heritage to be available in the data space, which, in turn, enables reuse in a wide range of scenarios including education, research and developer communities, while we continue to explore closer collaboration with the media and tourism data spaces.

Working with the [Europeana Network Association \(ENA\)](#) and the [Europeana Aggregators' Forum \(EAF\)](#), we will develop training and event programmes that empower members, and cultural heritage professionals at large, to learn and use the tools and services offered in the data space, and become agents of change in their organisations and in the sector.

These efforts will be underpinned by a solid user and market research programme, continued secretariat support that enables the ENA communities to thrive, and an outreach and dissemination strategy to strengthen the position of the data space.

Task 3.1. Enhance cooperation throughout the data space

Partners: EF, DFF, NISV

Under this task the Europeana DS consortium aims to fulfil the promise of the data space to enable cross border cooperation and collaboration by supporting and developing activities of the data space, especially by leveraging synergies of the Europeana Network Association (ENA) and the Europeana Aggregators' Forum (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
Activity 3.1.1. Develop methods of cooperation			
EF	Improved model of cooperation across Europeana Initiative implemented	30%	Jan 2024
EF	Model of cooperation (including thematic programme of activity) published (V2)	Not started	Feb 2024

EF	Mapping of products and services offered to CHIs and their professionals (V1) completed	Not started	Jun 2024
EF	Evaluation of model of cooperation (V2) completed	Not started	Jul 2024
EF, APEF, BL	Country Group activities pilot coordinated across Europeana Initiative	20%	Aug 2024
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	50%	Nov 2023
EF	ENA Governance renewed (MC election and MB appointment)	60%	Jan 2024
EF	Annual reporting for ENA and EAF activities published	50%	Feb 2024
EF, APEF, BL	Recommendations for enhanced accreditation scheme completed	Not started	Jun 2024
EF, APEF, BL	Two EAF outreach events organised	20%	Jul 2024
EF	Metrics framework for reporting on community engagement extended	Not started	Jul 2024
EF	Recommendations for an enhanced community management scheme completed	Not started	Aug 2024
EF	ENA and EAF policy and process managed and updated	-	Ongoing
EF	New aggregators reviewed for accreditation	-	Ongoing
EF	General management support for ENA and EAF (incl. ENA MB and MC, EAF Steering Group, Task Forces, Working Groups and communities) provided	-	Ongoing
Activity 3.1.3. Support national digital strategies to increase high quality data			
EF	Swedish Presidency Europeana activity evaluated and reported	Completed	Sep 2023
EF	Spanish Presidency Europeana activity organised	Completed	Oct 2023
EF	Requirements for a policy-making dashboard/enumerate observatory delivered	5%	Feb 2024
EF	Spanish Presidency Europeana activity evaluated and reported	Not started	Mar 2024
EF	Belgian Presidency Europeana activity organised	10%	Jun 2024

EF	Member States targets page implemented in the Statistics Dashboard	Not started	Jun 2024
EF	Member States engagement strategy completed	Not started	Aug 2024
EF	Mechanisms to engage and inform Member States developed and implemented	-	Ongoing

Swedish Presidency Europeana activity evaluated and reported - 'Why 3D matters', the Europeana conference under Sweden's Presidency of the Council of the European Union, took place on 1 Apr 2023. The conference contributed to a greater understanding of the EU ambition for 3D, and why it is relevant to the sector and cultural heritage institutions. It intended to stimulate reflection and dialogue around 3D content in the common European data space for cultural heritage and the sector – the needs, the key challenges, the aspirations and the collective efforts that are needed. The report summarising the discussions has been [published in Europeana Pro](#). The Swedish and the following Spanish Presidency conferences emphasised the value of 3D for the cultural heritage institutions as part of the future ambitions and priorities of Europe, the collective efforts needed to realise the 3D targets indicated in the EC's Recommendation 2021 for the data space. These events provided the opportunity for the Member States to share their stories, challenges and best practices around Twin it!

Spanish Presidency Europeana activity organised - the Spanish Presidency Europeana conference '[Accelerating 3D in the common European data space for cultural heritage: Building capacity for 3D](#)' on 17 Oct 2023 was co-organised in collaboration with the Spanish Ministry of Culture and Sports. The conference built on the discussions held at the Europeana conference under the Swedish Presidency in Apr 2023, this time exploring the capacities of heritage professionals in creating and making available high-quality 3D data in the common European data space for cultural heritage. The conference also contributed to '[Twin it! 3D for Europe's culture](#)' campaign'. 293 participated online and 75 attended the conference in person in Pamplona, with an overall satisfaction rate of 88%. 23 CEDCHE members attended the conference. The CEDCHE members from Austria, Poland and Croatia shared Twin it! Selection experiences including: how they approached the selection of the asset for Twin it!: the questions it raised, the decision-making process. Cyprus shared how they handle collaboration in 3D digitisation projects between the ministry or the cultural heritage institutions and the technical partner, and how they define the scope, roles and responsibilities. A report on the discussions at the conference will be published in early 2024. The recordings and presentation have been [published in Europeana Pro](#).

Reporting metrics: enhance cooperation throughout the data space

No.	Description	Measured by	Frequency	Target Y2	Aug 2023	Sep 2023	Oct 2023	Nov 2023
KPI 3.1	Satisfaction of the Europeana	Total % of 'satisfied' and 'completely	Annually	75%	66.80% (Jul 2023)	-	Exp. Jun 2024	-

	Network Association members with the ENA	satisfied' responses on a 5-point Likert scale						
KPI 3.2	Growth of Europeana Network Association members	Number of members in the ENA	Quarterly	5,000	4,396	-	4,478	-
RM 3.1	Participants engaged in Europeana Initiative activities	Number of participants contributing time and expertise to activities (such as governance, TFs, WGs and CTAs) (cumulative)	Quarterly	-	407	-	414	-
RM 3.2	Task forces in the Europeana Initiative	Number of active task forces per month (ENA, EAF, Initiative)	Quarterly	-	6	-	6	-
RM 3.6	Satisfaction with the Europeana EU presidency activities	Total % of 'satisfied' and 'completely satisfied' responses on a 5-point Likert scale	Bi-annually	-	86% (Apr 2023)	-	88%	-

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 collaborate with other European data spaces, including those of 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	Report on 3D (including usage scenarios and best practices)	25%	Mar 2024
EF	Report on user needs and requirements of cultural heritage professionals to inform product and service development completed	Not started	Jun 2024
EF	Qualitative and quantitative (primary and secondary/desk) research among cultural heritage professionals undertaken and/or supported	-	Ongoing
Activity 3.2.2. Perform user and market research to foster reuse			
EF	Two new areas with reuse potential identified	Not started	Mar 2024
EF	Audience profiles created (for identified two new audiences)	Not started	Mar 2024
EF	Audience profiles validated (for identified two new audiences)	Not started	May 2024
EF	Pilot application in one new identified area of reuse potential completed	Not started	Jul 2024
EF	Report on areas of potential reuse, research and results achieved towards new and established audiences (incl. recommendations for product and service developments)	Not started	Aug 2024
EF	Audiences interested in reuse identified and reached	-	Ongoing

Reporting metrics: identify needs of user groups

No.	Description	Measured by	Frequency	Target Y2	Aug 2023	Sep 2023	Oct 2023	Nov 2023
KPI 3.4	Aggregator satisfaction with data space products and services (accredited aggregators)	Total % of 'satisfied' and 'completely satisfied' responses on a 5-point Likert scale	Annually	75%	79.5%	-	Exp. Aug 2024	-
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%	76%	-	Exp. Aug 2024	-

Task 3.3. Build awareness and engagement

Partners: EF

Under this task, EF will build awareness and engagement of data space activities among our professional audiences. We will position the data space more prominently in our communications and marketing activities, as we develop and strengthen a new data space brand. We will 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	Landing page for the common European data space for cultural heritage published	50%	Jan 2024
EF	Approaches to social media revised (internal)	10%	Feb 2024
EF	Start of promotional campaign around the landing page for the data space	Not started	Mar 2024
EF	Second iteration of the welcome pack, onboarding for new providing institutions improved	Not started	Jul 2024
EF	Pro editorials published (e.g. Pro News and themes)	-	Ongoing
EF	Activities promoted (Newsletters, Twitter, LinkedIn)	-	Ongoing
Activity 3.3.2. Develop event programming			
EF	Europeana Annual Conference organised - Europeana Tech	Completed	Oct 2023
EF	Learnings and recommendations from Impact Assessment implemented - Annually	10%	Jun 2024
EF	Events programme delivered and improved	-	Ongoing
EF	Activities of the international Events Manager Group coordinated	-	Ongoing
Activity 3.3.3. Engage professional audiences			
EF	Strategy for platforms for professional audiences completed (internal)	70%	Feb 2024
EF	Europeana Pro strategy delivered (internal)	10%	Feb 2024
EF	Europeana Pro user survey completed	Not started	Mar 2024

EF	CRM workflows extended	Not started	Jun 2024
EF	Tools to enhance community collaboration implemented	Not started	Aug 2024
EF	Platforms for professional audiences maintained (technical infrastructure, user journeys, accessibility)	-	Ongoing

Europeana Annual Conference organised - [EuropeanaTech conference - Explore, Engage, Experience: cultural heritage in the data space and beyond](#) welcomed 719 participants of which 230 joined us physically at the Institute for Sound and Vision in The Hague, the Netherlands. The programme offered 48 sessions, 6 workshops, 4 moderated discussions, 3 welcome speeches, 2 keynotes, and one Data Poet! The event attracted people from all over the world as we counted visitors from 67 countries.

Reporting metrics: build awareness and engagement

No.	Description	Measured by	Frequency	Target Y2	Aug 2023	Sep 2023	Oct 2023	Nov 2023
KPI 3.3	Satisfaction rate for Europeana Pro	Total % of 'satisfied' and 'completely satisfied' responses on a 5-point Likert scale	Annually	75%	78% (Jul 2023)	-	Exp. Jul 2023	-
RM 3.9	Europeana Initiative events	Number of events held by Europeana DS consortium, EAF, and ENA (cumulative)	Quarterly	-	41	-	5	-
RM 3.10	Reach of Europeana Initiative events	Number of participants (cumulative)	Quarterly	-	5,204	-	1,088	-
RM 3.11	Satisfaction rate for Europeana Initiative events	Total % of 'satisfied' and 'completely satisfied' responses on a 5-point Likert scale (cumulative)	Quarterly	-	82%	-	88%	-
RM 3.7	Traffic to Europeana Pro	Number of visits per month	Monthly	-	24,727	-	29,527	-

RM 3.8	Traffic to Confluence	Total number of views to key landing pages (Knowledge Base and Impact Playbook) (cumulative)	Annually	-	8,832	-	Exp. Aug 2023	-
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In the period between Sep/Oct 2023, we organised in total 5 events reaching 1,088 people with a high user satisfaction for events of 88%.

Overview of events and training

Partner	Name of event	Activity	Location	Date
Events organised				
EF	Copyright office hours on user-generated rights	Café	Online	19/09/2023
EF	Europeana Impact Community Café - Collecting the data that matters: impact and digital cultural heritage	Café	Online	27/09/2023
EF	EuropeanaTech 2023	Conference	Hybrid	10-12/10/2023
EF	The Spanish Presidency Europeana conference	Conference	Hybrid	17/10/2023
EF	Policy office hours on non-copyright limitations on the public domain	Café	Online	24/10/2023

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	Europeana Capacity Building Framework (V4) developed (internal)	20%	Feb 2024
EF	Impact pathway for Training Programme revised	Not started	Jun 2024
EF	Impact Model V1 for the Europeana Initiative developed	5%	Jul 2024

EF, DS AGG	Capacity Building Working Group supported	-	Ongoing
EF	Europeana Impact community supported	-	Ongoing
EF	Europeana Impact Framework (EIF) and Europeana Capacity Building Framework (ECBF) maintained and improved	-	Ongoing
Activity 3.4.2. Manage and develop mechanisms for the training programme			
EF	Training Platform piloted and evaluated	30%	Feb 2024
EF, CAPG	A pilot Academy completed and evaluated	10%	Jun 2024
EF, CAPG, DS AGG	Training programme developed and prioritised	-	Ongoing

Training Platform piloted and evaluated (intermediate update) - the training platform has been piloted internally. Several colleagues have used the platform and have given feedback on the current implementation. The overall, unanimous, conclusion was that the Training Platform is an improvement of the way training is delivered. The lessons learned during this pilot are currently being processed for the external pilot.

Reporting metrics: develop capacity building as a service

No.	Description	Measured by	Frequency	Aug 2023	Sep 2023	Oct 2023	Nov 2023
RM 3.12	Reach to Europeana Impact community	Number of people reached per month (Newsletter, mailing list, LinkedIn)	Quarterly	2,810	-	2,877	-

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, AIT Graz	IIIF guidelines and training resources for image conversion and manifest creation delivered	20%	Jun 2024
EF, DEN	DEN Leadership programme Cohort completed and evaluated	Not started	Jul 2024
EF, TMO, INCEPTION, DS AGG	Training for the provision and reuse of high quality data delivered and published online	-	Ongoing
EF	Inventory of existing training (and other capacity building resources) maintained and updated	-	Ongoing
Activity 3.5.2. Support the transfer of knowledge between professionals			
EF	Technical conference to train and inform Spanish CHIs on the flow of data from them to Hispana, and from Hispana to Europeana	10%	Mar 2024
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
EF, DS AGG	Knowledge transfer supported (incl. one-to-one support and helpdesk for CHIs, peer-to-peer support between aggregators and experts)	-	Ongoing
EF	Europeana Communicators Community supported	-	Ongoing
EF	Europeana Climate Action Community supported	-	Ongoing

In the period between Sep/Oct 2023, we organised in total 5 training reaching 227 people with a high user satisfaction for training of 86%.

Overview of events and training

Partner	Name of event	Activity	Location	Date
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Training organised				
EF	4CH twin it webinar: Workshop 1: The overall 3D digitisation process	Webinar/ workshop	Online	03/10/2023
EF	Make your first animated GIF	Webinar/ workshop	Online	04/10/2023
EF	GIF-making workshop	Training/ workshop	Onsite	05/10/2023
EF	GIF-making workshop	Training/ workshop	Onsite	13/10/2023
EF	4CH twin it webinar: Workshop 2: Capturing techniques	Webinar/ workshop	Online	24/10/2023

Reporting metrics: facilitate the provision of high quality data

No.	Description	Measured by	Frequency	Aug 2023	Sep 2023	Oct 2023	Nov 2023
RM 3.29	Europeana Initiative training	Number of training held by Europeana DS consortium, EAF, and ENA (cumulative)	Quarterly	24	-	5	
RM 3.13	Reach of Europeana Initiative training	Number of participants (cumulative)	Quarterly	1,100	-	227	
RM 3.14	Satisfaction rate for Europeana Initiative training	Total % of 'satisfied' and 'completely satisfied' responses on a 5-point Likert scale (cumulative)	Quarterly	86%	-	86	
RM 3.30	Europeana Initiative enables knowledge transfer	% of surveyed participants reporting that the activity helps them stay up to date with best practices and new trends	Bi-annually	NEW	-	Exp. Jan 2024	-
RM 3.31	Europeana Initiative delivers practical knowledge	% of surveyed participants reporting that the activity enables them to learn knowledge, skills and information they can use in their job	Bi-annually	NEW	-	Exp. Jan 2024	-

RM 3.15	Reach to Europeana Communicators community	Number of people reached per month (Newsletter, LinkedIn, mailing list)	Quarterly	3,143	-	3,181	-
RM 3.16	Reach to Europeana Climate Action community	Number of people reached per month (Basecamp, mailing list)	Quarterly	445	-	464	-
RM 3.17	CHIs supported by DS AGG	Total number of CHIs supported by individual consultation (cumulative)	Quarterly	109	-	47	-
RM 3.18	Coverage of CHIs supported by DS AGG	Total number of countries that received support by individual consultation (cumulative)	Quarterly	27	-	21	-
RM 3.19	Outreach to CHIs	Total number of new CHIs collaborating with DS AGG (cumulative)	Quarterly	27	-	13	-

Task 3.6. Facilitate the reuse of high quality data

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

Based on preliminary user research and secondary data gleaned over the past years, we know there are audiences who consistently use and reuse digital cultural heritage, for example, professionals in cultural heritage; education (primary, secondary, and tertiary) professionals; researchers and students; and developer communities and API customers. We will also investigate potential new use cases for reuse in other sectors (Media, Tourism, Creative Industries) connected to other data spaces (Task 3.2).

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			
EuroClio	Historiana online self-paced course launched	80%	Nov 2023
EF	Annual Open Education Week: contribution added	Not started	Mar 2024

EF	Built with Bits 3 organised	15%	Mar 2024
EuroClio	'Train the trainer event' organised	Not started	Apr 2024
EF	All Digital Week campaign: contribution added	Not started	May 2024
EUN	Europeana Education competition organised	10%	May 2024
EUN	Third and fourth language version (tbc) of the updated Digital Education with Cultural Heritage MOOC completed	10%	Jun 2024
EUN	EUN national training/outreach activities organised (10 activities)	10%	Aug 2024
EuroClio DS AGG	10 New learning materials and 15 new translations of existent content published on Historiana	Not started	Aug 2024
EUN	100 stories of implementation to upload on the Teaching with Europeana blog and 500 microstories of reuse	Not started	Aug 2024
EuroClio	National trainings organised (3 trainings)	Not started	Aug 2024
EF	Blogs and social media posts (LinkedIn, Facebook, Twitter) published	-	Ongoing
EF	Europeana Education community supported	-	Ongoing
Activity 3.6.2. Engage with academic and research communities			
DARIAH	Training resources for academic and research data users published on the SSHOC Marketplace v.2	10%	Aug 2024
DARIAH	Training course on 'Using Europeana APIs in Research and Higher Education' for DARIAH Campus developed	10%	Aug 2024
EF	Research on digital cultural heritage as an emerging university subject published	10%	Aug 2024
EF	Update on use of "Collection as data" workflow	Not started	Aug 2024
EF	Europeana Research community and Research Advisory Board supported	-	Ongoing
EF	Liaison with other academic research and cultural communities developed and maintained (LIBER, GLAMLabs)	-	Ongoing
EF, DARIAH	Outreach events for academic and research communities (co)organised or contributed to	-	Ongoing
Activity 3.6.3. Engage with the developer communities and API customers			
EF	API outreach strategy updated	Not started	Feb 2024
EF	Landing page for onboarding API users completed	10%	Jun 2024

EF	Capacity building resources for API users developed	15%	Aug 2024
EF	API documentation maintained and updated	-	Ongoing
EF	API related developments promoted and communicated to users (incl. changes to Europeana API products and services, new or updated reuse projects)	-	Ongoing
EF	Europeana API services and capacity building resources presented at relevant events	-	Ongoing

Europeana Research community and Research Advisory Board supported (intermediate update) - the Journal of Open Humanities Data accepted and [published a research paper](#) where the WG on Datasheets for Digital Cultural Heritage presents the first outcomes of their work. The article is also meant to encourage wider discussion around the topic.

Communication and dissemination activities

Partner	Name of event	Activity	Location	Date
VR Days Foundation	Immersive Tech Odyssey	Pre-recorded presentation of the educational programme Built with Bits	Cyprus/ Hybrid	13/10/ 2023
EF & AIDI	Built with Bits: Designing virtual spaces for social impact (in the context of the Europeana Spanish Presidency event)	Workshop to think of local problems worth addressing through the creation of 3D virtual environments.	Pamplona, Spain	17/10/ 2023
EF, DARIAH	EOSC Symposium 23	Organised and run a session on the European data space for cultural heritage.	Madrid, Spain	21/09/ 2023
EF, ENA	AI Solutions in Libraries	Supported and contributed to a seminar organised by the National and University Library of Ljubljana and the IFLA- Information Technology Section	Online	20/10/ 2023
DARIAH	International Data Week / A Festival of Data	Contributed to a session organised by RDA (Research Data Alliance) with the presentation 'Why aren't we talking about Collections as Data'	Salzburg, Austria	23/10/ 2023
DARIAH	3rd DARIAH-HR International Conference: 'Heritage Matters. Fostering	Keynote: 'Decoding User Needs and Expectations in Archaeology and Cultural Heritage'. This also included	Zagreb, Croatia, and online.	26/10/ 2023

	Collaborative Infrastructure'	reflections on Europeana and Europeana Research.		
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Reporting metrics: facilitate the reuse of high quality data

No.	Description	Measured by	Frequency	Target Y2	Aug 2023	Sep 2023	Oct 2023	Nov 2023
KPI 3.6	Educators reached in national training events ¹⁰	Total number of educators (cumulative)	Bi-annually	1,000	1,638	-	Exp. Jan 2024	-
KPI 3.7	Satisfaction rate of educational communities	Total % of 'satisfied' and 'completely satisfied' responses on a 5-point Likert scale (cumulative)	Quarterly	75%	88%	-	Exp. May 2024	-
KPI 3.8	API users (external)	Total number of (external) API users per month	Monthly	200	117	136	191	-
RM 3.20	New learning resources for education ¹¹	Total number of new resources created with data shared through Europeana.eu (cumulative)	Quarterly	-	261	-	Exp. Jan 2024	-
RM 3.21	Language variations of existing learning resources	Total number of new translations of learning resources (cumulative)	Bi-annually	-	34	-	Exp. Jan 2024	-
RM 3.22	Participants completing the Europeana Education online courses	Total number of participants (cumulative)	Bi-annually	-	367	-	Exp. Jan 2024	-

¹⁰ Y2 will include both educational partners (EUN and EuroClio).

¹¹ This includes new Stories of Implementation (Sol).

RM 3.23	Traffic to educational platforms (TWE blog and Historiana)	Number of visits to educational resources created with data shared through Europeana.eu (cumulative)	Bi-annually	-	165,707	-	Exp. Jan 2024	-
RM 3.24	Reach to Europeana Education community	Number of people reached per month (mailing list, LinkedIn, Facebook)	Quarterly	-	11,400	-	11,569	-
RM 3.25	Outreach events to academic and research communities	Total number of events contributed to or (co)organised (cumulative)	Quarterly	-	5	-	4	-
RM 3.32	Europeana Research and the data space contributions	Total number of cultural heritage domain experts, university teaching staff members, researchers, university students trained in using the data space's outputs as tools (cumulative)	Quarterly	-	NEW	-	Exp. Jan 2024	-
RM 3.26	Reach to Europeana Research community	Number of people reached per month (Discussion list, Twitter)	Quarterly	-	7,272	-	7,333	-
RM 3.27	API usage (REST API)	Total number of requests per month (external traffic)	Monthly	-	10.5 million	12.8 million	14.8 million	-

RM 3.28	API sign-ups (REST API)	Total number of API sign-ups (cumulative)	Monthly	-	781	51	148	-
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Work package 4: Digital services for the public

Experience shows that the primary audiences that the Europeana Initiative successfully reaches are overwhelmingly cultural heritage professionals, and, equally successfully, educators, researchers and students. The foundation of the data space is the well-established Europeana.eu. Specific attention will be given to 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, 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).

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 is fully responsive and 5G-ready (implementation)	-	Ongoing
Activity 4.1.2. Optimise search experience, prioritising relevance and data quality			
EF	Compute log-based evaluation metrics and prioritise requirements for second iteration of user search logs (EVAL-5, EVAL-6, EVAL-7)	5%	May 2024
EF	Search relevance and performance maintained	-	Ongoing
Activity 4.1.3. Optimise browse experience to improve content discovery			
EF	Public display of monthly view numbers on stories and trending item pages available	50%	Nov 2023

EF	Redesign the organisations' page to highlight the providing institutions further	20%	Feb 2024
EF	Curated and visually engaging browse experience implemented	Not started	Aug 2024
Activity 4.1.4. Expand multilingual coverage to include all EU official languages			
EF	Definition of an approach to automatic language tagging of metadata, based on investigation of existing automatic solutions	15%	Feb 2024
EF	Process for systematically validating translations established	Not started	Jun 2024
EF	Consistent approach to sourcing translations of editorial content developed	Not started	Jun 2024
EF	Consistent approach to sourcing translations of editorial content piloted	Not started	Jul 2024
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	Feature request page	Not started	May 2024
Activity 4.1.6. Optimise user interaction and display of content			
EF	Consistent user experience and optimal performance of all media playouts (video and audio) improved	Not started	Aug 2024
Activity 4.1.7. Optimise user feedback mechanism			
EF	Admin area of user feedback mechanism consolidated	40%	Jan 2024
EF	User satisfaction with the feedback response tracked and evaluated	-	Ongoing

Reporting metrics: deliver high-performing Europeana website

No.	Description	Measured by	Frequency	Target Y2	Aug 2023	Sep 2023	Oct 2023	Nov 2023
KPI 4.1	Traffic to the Europeana website	Number of visits per year (cumulative)	Monthly	6.6 million	5.7 million	399,248	829,482	-
KPI 4.2	User satisfaction rate with Europeana website	Total % of 'satisfied' and 'completely satisfied' responses on a	Bi-annually	75%	71% (May 2023)	-	Exp. Jan 2024	-

		5-point Likert scale						
KPI 4.5	User satisfaction rate with user feedback mechanism	Total % of 'satisfied' and 'completely satisfied' responses on a 5-point Likert scale	Monthly	80%	NEW	-	Exp. Jan 2024	
RM 4.1	Multilingual coverage of editorial content	Percentage of stories (blogs and exhibitions) published in more than one language during contract year	Annually	-	38%	-	Exp. Aug 2024	-
RM 4.2	Multilingual coverage of editorial content	Percentage of stories (blogs and exhibitions) published in all 24 EU languages during contract year	Annually	-	7%	-	Exp. Aug 2024	-
RM 4.3	User participation: account holders	Total number of account holders	Quarterly	-	27,549	-	29,306	-
RM 4.4	User participation: liked items	Total number of items liked by users	Quarterly	-	31,760	-	34,168	-
RM 4.5	User participation: galleries	Total number of user-created galleries	Quarterly	-	7,267	-	7,666	-
RM 4.6	Downloads of digital items on the Europeana website	Total number of downloads (cumulative)	Quarterly	-	200,884	-	27,341	-

RM 4.7	Average of initial response time to user feedback	Average number of hours per month	Monthly	-	5.45	5.54	5.23	-
RM 4.8	Average of total resolution time to user feedback (excl. user feedback where the responsibility lies outside of Europeana DS consortium)	Average number of hours per month	Monthly	-	11.71	9.36	7.73	-

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	Completed	Oct 2023
EF	Digital Storytelling Festival organised	Not started	May 2024
EF	Europeana website (incl. account functionality, user-created galleries) promoted	-	Ongoing
EF	High-quality open access data promoted, including 3D, to established and new audiences	-	Ongoing
EF, F&F	Transcribathon events, online runs and workshops organised and promoted in partnership with CHIs	-	Ongoing
F&F	Transcribathon platform maintained	-	Ongoing

Activity 4.2.2. Broaden impact of cultural heritage by expanding pan-European themes and perspectives			
EF, DS AGG	Multilingual editorial content (exhibitions, blogs, and galleries) ¹² published and promoted	-	Ongoing
EF	Pan-European themes organised (e.g. Black History Month, Women's History Month and Pride Month)	-	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 ¹³	-	Ongoing

GIF IT UP organised - our annual GIF IT UP contest – where we teach and encourage creative remixing of open access digital cultural heritage – was run in October 2023 by Europeana and the following partners: Japan Search, Art Institute of Chicago, DAG Museums, DPLA, Digital NZ, Bibliothèque et Archives nationales du Québec (BAnQ), Centro de Fotografía de Montevideo, and Trove. Goethe-Institut joined as a partner and a patron of this year’s special category: Underrepresented Communities, focussing on people and communities that historically have not been in the spotlight. Goethe-Institut also hosted a series of GIF-making workshops at their locations in London and Amsterdam. Involvement in GIF IT UP is part of Goethe-Institut’s ongoing campaign #Heritage_digitised. There were 98 eligible entries that remixed more than 130 cultural heritage items that came from 53 different cultural institutions, based in 22 different countries. In October, Europeana held a GIF-making workshop independently (attended by 114 people). 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
EF	Proper Fancy	Short presentation about GIF IT UP	Online (UK)	28/09/2023
EF	Presentation for BBC Media Apprentices doing training with Bauer Media Group - Academy	Presentation/mini workshop on working as a writer, improving storytelling skills, and using Europeana.eu as a resource	Online	17/10/2023

¹² Editorials from data space supporting projects contribute to this outcome.

¹³ Editorial outcomes of data space supporting projects are promoted.

Reporting metrics: engage audiences with digital cultural heritage

No.	Description	Measured by	Frequency	Target Y2	Aug 2023	Sep 2023	Oct 2023	Nov 2023
KPI 4.3	Audience satisfaction with editorial (exhibitions, blogs)	Total % of 'satisfied' and 'completely satisfied' responses on 5-point Likert scale (cumulative)	Quarterly	80%	89%	-	72	-
KPI 4.4	Social media reach	Total number of impressions on social media (Facebook, Pinterest, GIPHY, Instagram, Twitter, Medium, LinkedIn) (cumulative)	Monthly	450 million	431.8 million	36.2 million	78.4 million	-
RM 4.13	Reach of activities that promote the use/reuse of cultural heritage	Number of participants taking part in activities (incl. DSF, GIF IT UP, Transcribathon events and others)	Quarterly	-	NEW	-	139	-
RM 4.14	Audience creations made with digital cultural heritage	Total number of submitted reuse/remix cases (incl. but not limited to gifs, social media posts, transcribed items)	Quarterly	-	NEW	-	98	-
RM 4.11	Traffic to exhibitions and blogs	Number of visits to all exhibitions and blogs (cumulative)	Quarterly	-	1.4 million	-	256,950	-
RM 4.12	Social media engagement	Total number of likes, shares, comments per month (Facebook, Twitter, Pinterest, Instagram, Medium, LinkedIn)	Monthly	-	302,981	225,245	199,409	-

This quarter for the first time, we report on two new metrics RM 4.9 “Reach of activities that promote the use/reuse of cultural heritage” and RM 4.10 “Audience creations made with digital cultural heritage”. In this period we reached 139 participants in GIF IT UP workshops, which

resulted in 98 audience creations via GIF IT UP. In coming periods these metrics will also report on activities and reuse cases such as Transcribathon events (as part of editorial campaigns on specific topics), as well as the Digital Storytelling Festival.

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 (task 5.2.). We will manage the relations with the projects funded under the different EU programmes (e.g. Digital Europe Programme, Horizon Europe, Erasmus+) to ensure the smooth integration of their results into the data space (task 5.3.).

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.

Major changes in staff

No changes in M13 - M14.

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 responsible¹⁴. [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 Y2 (Sep 2023 - Oct 2023) of the data space. 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 Oct2023
WP 1: Development and operation of the data space infrastructure	25.4%	22.3%
Task 1.1 Provide reliable data space infrastructure and quality of services	22.7%	19.8%

¹⁴ A RACI (Responsible, Accountable, Consulted, Informed) approach will be used for this purpose.

Task 1.2 Foster innovation, interoperability & compliance with other data spaces	2.7%	2.5%
WP 2: Integration of high-quality data	17.8%	18.0%
Task 2.1 Develop and manage data governance mechanisms	3.6%	4.1%
Task 2.2 Data acquisition and data improvements	10.9%	10.0%
Task 2.3 Automated approaches towards data quality	3.3%	3.9%
WP 3: Capacity building and fostering reuse	30.6%	33.9%
Task 3.1 Enhance cooperation throughout the Data Space	4.4%	5.4%
Task 3.2 Identify needs of user groups	1.7%	1.3%
Task 3.3 Build awareness and engagement	6.9%	11.5%
Task 3.4 Develop capacity building as a service	3.9%	3.7%
Task 3.5 Facilitate the provision of high quality data	4.4%	4.0%
Task 3.6 Facilitating the reuse of high quality data	9.3%	8.0%
WP 4: Digital services for the public	18.7%	19.4%
Task 4.1 Deliver high-performing Europeana websites	11.8%	12.6%
Task 4.2 Engage audiences with digital cultural heritage	6.9%	6.8%
WP 5: Programme management	7.5%	6.4%
Task 5.1 Ensure continuous progress monitoring and reporting	6.0%	4.7%
Task 5.2 Governance	0.6%	0.2%
Task 5.3 Manage relations with other EU-funded projects	0.7%	1.5%
Task 5.4 Phasing-in and phasing-out periods	0.2%	0.04%
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.

No CEDCHE meeting was held in the period M13 - M14.

Task 5.3. Manage relations with other EU-funded projects

Partners: EF

EF maintains regular contact with the funded Europeana Generic Services (GS) and projects supporting the data space (e.g. via Basecamp groups) and assists them with ingestion of content and metadata (if applicable), consultation on the Europeana frameworks, policy and development guidelines, tool integration into the data space and dissemination of the project results. The table below shows the progress against Annex 4 of PM. Implementation plan M12 for all project outcomes that contribute to the data space for cultural heritage between 1 September and 31 October 2023.

The [CRAFTED](#) project ended on 30 June 2023 and had its validation meeting on 8 October 2023. In November, CRAFTED received two [Lovie awards](#); the Bronze and the People's Lovie Award. These pan-European awards recognise European Internet excellence in the fields of culture, technology and business.

The [European Heritage Hub](#) project's scope was extended through the addition of Work Package 8: "Amplifying the Hub Network and Impact in 11 countries which are not (yet) members of the EU". The objective of this Work Package is to amplify the mission and goals of the European Heritage Hub in the EU neighbouring countries of Ukraine, Moldova, the Caucasus (Armenia, Azerbaijan, Georgia) and the Western Balkans (Albania, Bosnia and Herzegovina, Kosovo Montenegro, North Macedonia, Serbia). Special focus will be given to capacity-building for civil society, enhancing the key role of cultural heritage for the "triple transformation": green, digital, and social, and heritage-led activities which contribute to peacebuilding, reconciliation, intercultural and interreligious dialogue and to the promotion and enhancement of key European values, such as democracy, the rule of law and respect of human rights.

The amendment was approved by the European Education And Culture Executive Agency in September 2023.

DS Overview of progress: 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 Y2 of the data space for cultural heritage contract (as outlined in Annex 4 of PM. Implementation plan M12).

Generic Services (CEF-TC-2020-1) call						
Partner	Outcomes	DS contribution	Due Date	Progress	Status	Comment
<u>CRAFTED</u> - Enrich and promote traditional and contemporary crafts						
GS	189,660 new digital records and 26,300 upgraded records.	Task 2.2 Data acquisition and data improvements	Jun 23 ¹⁵	100%	Done	208,233 new digital records 28,143 upgraded records
GS	106,000 records enriched	Task 2.2 Data acquisition and data improvements	Jun 23	100%	Done	114,177 enriched records and 512,425 enrichments delivered.
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	Nov 22 ¹⁶	100%	Done	
GS	Crafted toolset	Task 1.1 Provide reliable data	May 23	100%	Done	

¹⁵ 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's scope.

¹⁶ Original deadline was on March 31, 2022. The delivery delay was explained and accepted during the validation meeting on October 8, 2023.

		space infrastructure and quality services				
GS	Human-in-the-loop methodology and Crafted toolset evaluation	Task 1.1 Provide reliable data space infrastructure and quality services	May 23	100%	Done	
GS	Crafted guidelines and documentation materials for CH professionals	Task 3.4 Develop capacity building as a service	May 23	100%	Done	
GS	Crafted training resources on AI and crowdsourcing technologies for education	Task 3.6. Facilitate the reuse of high-quality data	Jun 23	100%	Done	
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	Jun 23	100%	Done	A total of 37 editorials on Europeana.eu were created. Incl. 3 online exhibitions, 1 feature page, 23 blogs and 10 galleries. Moreover, 7 collection pages were enhanced.
GS	Project entries on Pro	Task 3.3 Build awareness and engagement	Jun 23	100%	Done	8 project entries on Europeana Pro.
GS	3 edit-a-thons campaigns	Task 3.5. Facilitate the provision of high quality data	Jun 23	100%	Done	5 edit-a-thons have been conducted.
GS	3 workshops for CH professionals	Task 3.5. Facilitate the provision of high quality data	Jun 23	100%	Done	3 workshops have been organised.

Data Space - supporting projects (DIGITAL-2022-CULTURAL-02) call						
5DCulture						
DS	Project entries on Pro	Task 3.3 Build awareness and engagement	Aug 24	40%	Ongoing	2 entries have been published on Pro (project page and one Pro news piece).
DS project	1st ICE technologies prototype integrated with Europeana APIs for retrieving of data using search APIs	Task 1.1. Provide reliable data space infrastructure and quality of services	Dec 23	80%	Ongoing	<p>First prototype will be delivered according to plan.</p> <p>Workflows are currently being worked on.</p> <p>Integration of Europeana Search API in ICE will be ready as planned</p>
DS project	2st ICE technologies advance prototype integrated with Europeana APIs for retrieving data using Record and SPARQL APIs	Task 1.1. Provide reliable data space infrastructure and quality of services	Jun 24	0%	Not Started	This task can be started when the previous one is complete.
DS project	2st 3D effects on historical images version is integrated with Europeana Search and download APIs for data and metadata use	Task 1.1. Provide reliable data space infrastructure and quality of services	Jun 24	0%	Not Started	This task can be started when the previous one is complete.
DS	Curation and	Task 1.1. Provide	Dec 23	100%	Done	The integration

project	storytelling (extension of WEAVEx) - 2 prototype - Initial integration via Europeana APIs for retrieving content and metadata	reliable data space infrastructure and quality of services				for weaveX is active and successfully using Europeana APIs as stated
DS	1st iteration "Share to WEAVEx" button on Collection subpages	Task 1.1. Provide reliable data space infrastructure and quality of services	Mar 24	0%	Not Started	
De-Bias						
DS	First prototype integration via DE-BIAS API	Task 1.1. Provide reliable data space infrastructure and quality of services Task 4.1. Deliver high-performing Europeana website	Nov 23	100%	Done	First version of the tool and API ready
DS	First version of the DE-BIAS tool integrated in the Metis Suite	Task 1.1. Provide reliable data space infrastructure and quality of services Task 4.1. Deliver high-performing Europeana website	Apr 24	0%	Not Started	This task can be started when the previous one is complete.
DS Project	Knowledge co-creation methodology and DE-BIAS typology published	Task 3.5. Facilitate the provision of high-quality data	Dec 23	0%	Not Started	Two posts on Europeana Pro news introduced the background to the co-creation methodology ¹⁷ The methodology

¹⁷ <https://pro.europeana.eu/post/discover-how-de-bias-is-developing-a-methodology-for-knowledge-co-creation>
<https://pro.europeana.eu/post/learning-by-doing-touching-base-with-the-communities-of-the-de-bias-project>

						is being worked on by researchers of KU Leuven during the month of November.
DS Project	Knowledge co-creation activities	Task 4.2 Engage audiences with cultural heritage	Aug 24	30%	Ongoing	<p>At least 6 crowdsourcing campaigns with communities for the validation and fine-tuning of automatically detected bias.</p> <p>First two knowledge co-creation events have been successfully completed, one in June at the V&A UK, and one in October with Queer Britain. two more are planned to take place before the end of 2023.</p>
DS Project	First capacity-building event for CHIs was organised	Task 3.4 Develop capacity building as a service	Jan 24	10%	Ongoing	Introduction to training requirements, development and delivery support has taken place. An initial Learning Pathway has been developed.
DS Project	Recommendations to represent diversity in metadata.	Task 3.5. Facilitate the provision of high-quality data	Aug 24	0%	Not Started	
DS	First version of the Impact Assessment	Task 3.4 Develop capacity building as a service	Jun 24	5%	Ongoing	Partners were engaged in training to become more familiar with the Impact Playbook

						approach, to agree the areas of focus and to start collectively planning the impact assessment.
DS	Project editorial on Europeana Pro and Europeana.eu	Task 3.3 Build awareness and engagement	Aug 24	30%	Ongoing	<p>More than 20 blog posts across Europeana.eu and Europeana Pro.</p> <p>To date, six editorial pieces have been published on Europeana Pro - the project page, three news posts and two event pages. More editorials are foreseen throughout the course of the project.</p>
DS	Galleries on Europeana website	Task 4.2 Engage audiences with cultural heritage	August 24	0%	Not Started	At least 10 galleries showcasing the diversity of content.
Eureka 3D						
DS	Eureka 3D viewer	Task 1.1 Provide reliable data space infrastructure and quality of services	Aug 24	15%	Ongoing	
DS	Project entries on Pro	Task 3.3 Build awareness and engagement	Aug 24	10%	Ongoing	<p>A minimum of 4 project entries are foreseen to be published on Europeana Pro.</p> <p>First Pro entry</p>

						has been published; the second will be published before the end of the year and two more are planned throughout the rest of the project period.
DS	Editorials on Europeana.eu	Task 4.2 Engage audiences with cultural heritage	Aug 24	40%	Ongoing	5 editorials are expected to be published on Europeana.eu 2 editorials have been published so far ¹⁸ One more blog is being drafted for publication in December 2023. At least two more blogs will be published in 2024.

AI4Culture¹⁹

DS	Project entries on Pro	Task 3.3 Build awareness and engagement	Aug 24	30%	Ongoing	Project page published on Europeana Pro
DS Project	Guidelines for tools and datasets publications	Task 3.5. Facilitate the provision of high quality data	Apr 24	10%	Ongoing	Definition of the guidelines is being developed by following and reacting to the work on the datasheets for cultural heritage

Supporting other EU funded projects

[WATCHLIKEAHIST - Watching videos like historian](#) (Erasmus+)

¹⁸ <https://www.europeana.eu/en/blog/3d-digitisation-its-history-and-future> , published on August 9 2023, and <https://www.europeana.eu/en/blog/optical-views-a-way-to-travel-through-europe>, published on October 25, 2023

¹⁹ The project name was changed from "AI4Europeana" to "AI4Culture" to reflect a strategic decision made by the consortium to streamline communication and better align with the project's overarching goals. This change was enacted through the amendment AMD-101100683-2 to avoid ambiguity and reinforce the project's mission.

DS	Project entries on Pro	Task 3.3 Build awareness and engagement	Aug 24	40%	Ongoing	At least 10 project entries in Europeana Pro. Two news posts, an event page and a project page about the project have been published; more are foreseen in the coming months
DS Project	Practitioner guide for AV collections holder available on Europeana Pro	Task 3.5. Facilitate the provision of high quality data	Sep 23	100%	Done	The guide was launched on 27 October, the World AV heritage day
DS	Launch of Watchlikeahist toolkit	Task 3.3 Build awareness and engagement	Jul 24	10%	Ongoing	
DS	Contribution of Europeana education community to the toolkit	T3.3 Design, development and refining of the Toolkit	Jul 24	10%	Ongoing	
DS	Editorials on Europeana.eu	Task 4.2 Engage audiences with cultural heritage	Aug 24	0%	Not Started	410 AV galleries/datasets from the toolkit for educational use in the Europeana Classroom.

[European Heritage Hub](#) (Creative Europe)

DS Partner	Launch of the digital interactive hub	Task 3.1. Enhance cooperation throughout the data space Task 3.3 Build awareness and engagement Task 4.2 Engage audiences with cultural heritage	Jan 24	50%	Ongoing	Concept for the digital interactive hub is completed and delivered to EC November 7. The digital interactive hub is to be built and launched in January. The deadline for the
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						launch of the platform was updated in D2.1 from December 2023 to January 2024
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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.

No activities in M09 - M12.

Annex: Progress on deliverables

This table states progress on deliverables for Y2 (1 Sep 2023 - 31 Aug 2024).

Type	Name	Due	Completed
PM.	Implementation plan	M24 (Aug 2024)	
PM.	Periodic report	M18 (Feb 2024), M21 (May 2024), M24 (Aug 2024)	M15 (Nov 2023)
PM.	Annual report	M24 (Aug 2024)	
PM.	Final report	M24 (Aug 2024) (if no renewal)	
PM.	Phase-out report	M24 (Aug 2024) (if no renewal)	
DS.	Infrastructure report	M21 (May 2024)	
DS.	Technical documentation	M22 (Jun 2024)	
DS.	Stress test reports	M23 (Jul 2024)	
DS.	Disaster recovery	M23 (Jul 2024)	
DS.	Data supply and reuse report	M17 (Jan 2024)	
DS.	Users and usage report	M22 (Jun 2024)	M14 (Oct 2023)
DS.	Communication and dissemination plan	M23 (Jul 2024)	

Annex: Risk log

WP1: Development and operation of the data space infrastructure

WP1: Development and operation of the data space infrastructure													
Identify			Assess						Plan for and Control		Governance		
ID	Risk description	Activity	Date	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 reviewed/ 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	2023-11-30	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	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	2023-11-30	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	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	2023-11-30	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	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	2023-11-30	Exploit	Opportunity	2	1	Low	Acceptable	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	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 reviewed/ 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 data space requests the development of data governance mechanisms starting Y1. There are multiple data governance outcomes (including the cooperation agreement) that are dependent on a clear long-term vision and architecture for data-sharing in the data space. A lack of clarity in this area might lead to inadequate or incomplete rules for data governance.	Activity 2.1.1. Identify data governance requirements and objectives	2023-11-30	Reduce	Threat	3	2	Medium	Tolerable and Monitor	We develop the data governance mechanism (DGM) progressively, as we get more clarity on data sharing and architecture requirements, as described in the strategy and plan for the development of the DGM.	ENA/EAF & CEDCHE	ENA/EAF & CEDCHE	A data governance stakeholder working group (incl. Europeana DS Consortium partners, ENA, EAF) has been set up (Jan 2023). The data governance strategy was shared with CEDCHE and a subgroup was set-up.
R.WP2.2	Lack of common definition (or vision) for high value data sets, and changing/controversial stakes in this discussion beyond Europeana. This can lead to inconsistent approach to working with high value datasets internally.	Activity 2.1.2. Develop and expand data governance frameworks and standards	2023-11-30	Accept	Threat	3	3	Medium	Tolerable and Monitor	Agree to a preliminary definition for high value datasets with the EC, based on in-depth research and an understanding of our collections, followed by regular updating based on interactions with the Data Space Support Center	N/A	N/A	N/A
R.WP2.3	Insufficient resources are allocated by aggregators and supporting stakeholders to support the successful implementation of the Cooperation Agreement	Activity 2.1.1. Identify data governance requirements and objectives	2023-11-30	Reduce	Threat	3	3	Medium	Tolerable and Monitor	Stakeholders are consulted in the development and iterations of the 'Strategy and plan for the development of the DGM' as it describes, makes transparent timeframes and efforts needed for appropriate planning and resource allocation	N/A	N/A	N/A
R.WP2.4	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	2023-11-30	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	N/A
Task 2.2. Data acquisition and data improvements													
R.WP2.5	The data provided by consortium aggregators and data improvements on the platform are not sufficient to reach an annual 10% increase in high-quality data	Activity 2.2.2. Raise the quality and access to existing content and metadata	2023-11-30	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.	N/A	N/A	N/A
Task 2.3. Automated approaches towards data quality													
R.WP2.6	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	2023-11-30	Reduce	Threat	3	1	Low	Acceptable	Another experiment focusing on the enhancement of content will be proposed for deployment instead.	N/A	N/A	N/A
R.WP2.7	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	2023-11-30	Reduce	Threat	2	2	Low	Acceptable	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 Data Governance. For the "chosen AI solution" above, we have decided to focus on the images that are less subject to policy issues (as they are covered by DEA and come from legacy providers and the results of sample evaluations were ok)	EAF	N/A	EAF aware of the risk (informed at the EAF meeting, Apr 2023)

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
	Brief summary of the risk cause, the risk event (either threat/opportunity), and the risk effect	Activity according to IP	Last reviewed/ updated	Overall risk response	Threat (negative impact) or Opportunity (positive impact)	Rate 1 (very low) to 5 (very high)	Rate 1 (very low) to 5 (very high)	Impact x probability (automatically filled)	(automatically filled)	Mitigation explanation and link to contingent plan (if needed)	Entity informed about the risk (if applicable)	Entity consulted about the risk (if applicable)	Information on risk history
Task 3.1. Enhance cooperation throughout the data space													
R.WP3.1	The cooperation of stakeholders in the data space is slow and impacts progress. We rely on ENA/EAF members to support the development of the data space (incl. support for implementation plan outcomes). Stakeholders are acting in a volunteer capacity and we might see a lack or delays in their contributions. This can negatively impact the quality and sustainability of outcomes as stakeholders' support, contribution, and validation are critical.	Activity 3.1.1. Develop methods of cooperation	2023-11-30	Reduce	Threat	2	2	Low	Acceptable	We placed a provisional time limit for contributions and limit the scope of contributions to the activities undertaken during Y2 of the data space. We collaboratively prioritise developments that need cooperation and regularly meet and evaluate progress. We are also working on an improved model of cooperation across the data space that aims to support identifying and managing collective actions.	ENA & EAF	ENA & EAF	ENA & EAF discussions are ongoing
R.WP3.2	The enhanced accreditation scheme does not lead to a positive change in the engagement and participation of aggregators in the EAF.	Activity 3.1.2. Provide secretariat for Europeana Aggregators' Forum (EAF) and Europeana Network Association (ENA)	2023-11-30	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 are ongoing
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)	2023-11-30	Reduce	Threat	3	3	Medium	Tolerable and Monitor	Engagement of ENA members is being further stimulated through the Country group pilot in Y2. In addition, more Network-wide events are being scheduled, to break down the barriers to participation (fewer long meetings) and introduce a variety of topics and opportunities for engagement. The launch of the training academy will further satisfy network members and complement the informal knowledge-sharing activities of the communities which continue through Y2.	ENA & EAF	ENA & EAF	Discussed with ENA & EAF
R.WP3.4	Not all 27 Member States contribute to the Twin It! campaign	Activity 3.1.3. Support national digital strategies to increase high quality data	2023-11-30	Reduce	Threat	3	3	Medium	Tolerable and Monitor	If due to 1) lack of buy-in (mitigation: focused persuasive strategies supported by the EC towards such MS); or 2) logistical/process/timing/technical issues (mitigation: hand holding and specific support for the MS struggling)	CEDCHE	CEDCHE	N/A
R.WP3.5	The 3D models and metadata collected during the Twin it! campaign are of low-quality.	Activity 3.1.3. Support national digital strategies to increase high quality data	2023-11-30	Reduce	Threat	2	2	Low	Acceptable	We have prepared and sent a participation pack to every Member State and organised webinars with guidelines and best practices. As a next step, we will organise dedicated open cafe sessions to respond in a more timely and ad hoc basis to the questions Members States might have.	CEDCHE	CEDCHE	N/A
R.WP3.6	The 3D models and metadata collected for the Twin It! campaign are not obtained in time.	Activity 3.1.3. Support national digital strategies to increase high quality data	2023-11-30	Reduce	Threat	3	3	Medium	Tolerable and Monitor	National and domain aggregators will support Members States in their efforts as they are familiar with the data publication process. The Twin It! campaign will explore ways to showcase efforts of the Member States in case they don't result into a 3D model.	CEDCHE	CEDCHE	N/A
Task 3.2. Identify needs of user groups													
Task 3.3. Build awareness and engagement													
R.WP3.7	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	2023-11-30	Reduce	Threat	3	3	Medium	Tolerable and Monitor	We will regularly evaluate the available data to assess the impact of changes made and the performance of platforms. We have started working on a platform strategy (expected Feb 2024) that aims to provide more clarity on ownership, aims and audience for each platform and provide simpler processes to follow to improve user journeys.	ENA & EAF	N/A	ENA & EAF stakeholders informed via periodic reports to the entities
Task 3.4. Develop capacity building as a service													
R.WP3.8	Low uptake for participation of professional audience in training programme realised.	Activity 3.4.2. Manage and develop mechanisms for the training programme	2023-11-30	Reduce	Threat	3	1	Low	Acceptable	User and impact research is undertaken to define and validate stakeholders' needs and inform the motivation and engagement model to increase the product/market fit of the training programme.	N/A	N/A	N/A
Task 3.5. Facilitate the provision of high quality data													
R.WP3.9	The demand for expertise to deliver training and engage in knowledge transfer activities is greater than the supply. External expertise is needed to create, maintain and improve training material and deliver training.	Activity 3.5.1. Deliver training programme for aggregators and data partners	2023-11-30	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. Also, the priorities and primary focus areas for the train-the-trainer programme for the provision of high-quality data will contribute to managing the expertise needed.	ENA & EAF	ENA & EAF	ENA/EAF were involved in defining priority areas through the Capacity Building Working Group.

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 reviewed/ 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>
R.WP3.10	To reach more professionals across Europe working on the digital transformation of the cultural heritage sector, there is a need for multilingual training offers, but currently, multilingual coverage of tools and resources is not available (only in English). This limits accessibility and the potential impact of training.	Activity 3.5.1. Deliver training programme for aggregators and data partners	2023-11-30	Reduce	Threat	3	2	Medium	Tolerable and Monitor	In 2023 a Learning Management has been selected and the first courses will be offered through this LMS. Multilingualism is one of the requirements of an LMS, both the interface of the LMS and the automatic translation of the training content. In this way, the LMS will support multilingualism better than the current situation. Apart from the technical solutions, there is also a need for contributions from native speakers (possibly ENA and EAF members) to translate and localise offers.	ENA & EAF	ENA & EAF	This is discussed as part of the Capacity Building Working Group.

Task 3.6. Facilitate the reuse of high quality data

WP4: Digital services for the public

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 reviewed/ 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 resources enable the Europeana DS consortium to implement.	Activity 4.1.4. Expand multilingual coverage to include all EU official languages	2023-11-30	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	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	2023-11-30	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	N/A
Task 4.2. Engage audiences with digital cultural heritage													
R.WP4.3	Technological, structural and policy changes on social media platforms negatively impact the reach of, and engagement with, our communications.	Activity 4.2.3. Communicate the data space for cultural heritage activities	2023-11-30	Reduce	Threat	2	3	Medium	Tolerable and Monitor	Review performance indicators throughout the reporting cycle and adjust approach as needed. Continuously review social media outlets and explore options as needed.	N/A	N/A	N/A

WP5: 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 reviewed/ 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												
R.WP5.1	A larger staff turnover and longer-term sickness of experts can affect the execution of tasks and the delivery of committed outcomes in time.	2023-11-30	Accept	Threat	3	3	Medium	Tolerable and Monitor	The Europeana DS consortium re-plans and reorganises the work internally; we keep EC up-to-date on any delays and impact on any other data space commitments.	N/A	N/A	N/A
R.WP5.2	A potential personal data breach that occurs, which will jeopardize the GDPR/IDPR compliance	2023-11-30	Reduce	Threat	5	2	Medium	Tolerable and Monitor	In case of a data breach EF will inform the EC DPA as soon as possible, but within 72 hours after the breach.	N/A	N/A	N/A
Task 5.2. Governance												
Task 5.3. Manage relations with other EU-funded projects												
R.WP5.3	Changes in the implementation of data space-supporting projects might affect the execution of the Europeana DS consortium tasks and activities	2023-11-30	Reduce	Threat	2	3	Medium	Tolerable and Monitor	Monthly internal team meeting for better coordination and risk mitigation. Continuous collaboration with project partners to flag and mitigate possible risks.	N/A	N/A	N/A
Task 5.4. Phasing-in and phasing-out periods												