Deployment and Maintenance of Europeana DSI core services - SMART 2017/1136

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Periodic reports can be viewed and accessed online in the document section on the Europeana DSI-4 project page[1].

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This deliverable contains original unpublished work except where clearly indicated. Acknowledgement of previously published material and of the work of others has been made through appropriate citation, quotation or both.

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[1] https://pro.europeana.eu/project/europeana-dsi-4

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Highlights

In the reporting period, we concluded several outcomes contributing to the integration of Generic Services outcomes (Europeana Media, Enrich Europeana). We completed updates on the media player including new features such as options to display multilingual subtitles and support for streaming formats. This is the first time users can play items directly from a streaming end-point. Generic services projects also contributed user contributed transcriptions and full-text to Europeana. Users are now able to search both on user contributed transcriptions and newspaper full-text in the Europeana website. We also concluded developments on the display of user generated transcriptions coming from the Transcribathon.eu platform. Transcriptions can now be seen on the Europeana website[2].

We launched a new space on the Europeana website. The Europeana Classroom[3] currently features +300 educational resources for educators and learners. The space provides access to learning scenarios in five European languages and is categorized by age groups, co-creation tools, apps and games.

Three times a year we measure the satisfaction rate for the Europeana website using Net Promoter score. The last survey in July resulted in a very good NPS score of 42.[4]

In the past months, we replaced a group of servers to higher performing ones. The performance of the Europeana platform infrastructure is expected to be at least 50% better now. This increases both the performance on Metis and the Europeana website.

EF invited accredited aggregators to fill in a satisfaction survey. We received input from 25 accredited aggregators (out of a total of 38 accredited aggregators). 61% expressed being satisfied and very satisfied with the publication processes, tools and support offered by the Europeana team.

Since June, there is a new space[5] for educators with Europeana resources in the Institute of Educational Policy from the Ministry of Education (Greece). Euroclio published 12 new eLearning activities with Europeana items on the Historiana platform.

In June 2020, we evaluated the take up of rightsstatements.org by accredited aggregators. 27 out of 38 accredited aggregators have integrated rightsstatements.org in their infrastructure (equivalent to 71%).

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[2] https://www.europeana.eu/en/item/2020601/https___1914_1918_europeana_eu_contributions_6494
[3] https://www.europeana.eu/en/europeana-classroom
[4] An NPS is calculated based on responses to a single question: 'How likely is it that you would recommend our company/product/service to a friend or colleague?' NPS rating is on a scale of -100 to +100, with a score of +50 considered excellent. https://en.wikipedia.org/wiki/Net_Promoter
[5] http://iep.edu.gr/el/deltia-typou-genika/europeana

In July 2020, we compiled a research report[6] with findings on the level of copyright knowledge and need for copyright training for CHIs. Among other things, the sector generally struggles with interpreting the application of laws across-borders, identifying the copyright status of collection items, and dealing with orphan works. There are also many misunderstandings, at least among Europeana aggregators, on the scope of creative commons license, tools and rights statements.

A series of four webinars[7] from April to June focused on the theme 'Culture From Home' focusing on the digital activities and initiatives that CHIs are implementing to reach audiences during the coronavirus pandemic. Individual sessions looked at social media (largely museums), libraries, archives and education. 500 individuals registered from 51 countries, 260 attended. More than half were not ENA members, which demonstrates a wide interest and reach.

In June, we concluded a satisfaction survey with ENA members. We collected 308 responses (a response rate of around 10.5%). 48% of respondents are considered 'promoters' of the Network, according to the NPS score they gave. We recorded an overall NPS score of 31.

In the reporting period, we saw one new task forces on Audiovisual Playout in Europeana[8] - the task force will investigate audiovisual playout possibility and capabilities for the Europeana platform and content providers based on new international developments and standards.

In June 2020, we completed a report on ten cases of impact[9]. The report sets out a number of findings and recommendations, drawing on ten cases of impact.

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[6] https://pro.europeana.eu/post/the-state-of-play-of-copyright-knowledge-in-cultural-heritage-institutions
[7] https://pro.europeana.eu/page/europeana-communicators-group
[8] https://pro.europeana.eu/project/audiovisual-playout-in-europeana
[9] Available on request.

Introduction

The periodic report describes work carried out under Europeana DSI-4 from 1 June 2020 (M22) until 31 July 2020 (M23) based on the implementation plan (B.1 deliverable M18). The work is organised in nine work packages (WP).

Active work is stated in tables with completion rate and expected due date. Milestones as well as deliverables are included in the tables as activity/outcome in case we worked on them in the reporting period. In case an activity ends in the reporting period an outcome description is added that highlights the objectives and outcomes of the activity, and its value for Europeana DSI. For each task associated risks are stated.

Key Performance Indicators (KPIs) and other reporting requirements/metrics per WP are added at the end of each WP.

Explanatory notes for tables reporting - colour codes

	Colour blue indicates the expected timeframe of the activity
	Colour black indicates that an activity ended in the reporting period
%	Progress until end of current reporting period

Formal definitions of terms used frequently can be found in <u>Annex: Glossary of terms</u>.

Abbreviations

Consortium participants

EF	Europeana Foundation (Coordinator), The Netherlands
AIT-Graz	AIT Angewandte Informationstechnik Forschungsgesellschaft mbH, Austria
AIT-Vienna	AIT Austrian Institute of Technology GmbH, Austria
APEF	Archives Portal Europe Foundation, The Netherlands
AthenaRC	Athena Research and Innovation Center in Information Communication and Knowledge Technologies, Greece
BL	The British Library Board, United Kingdom
CARARE	Connecting Archaeology and Architecture in Europe, Ireland
CLARIN	CLARIN ERIC, The Netherlands
DEN	Stichting Digitaal Erfgoed Nederland, The Netherlands
DFF	Deutsches Filminstitut & Filmmuseum e.V., Germany
DNB	Deutsche Nationalbibliothek, Germany
eFashion	European Fashion Heritage Association, Italy
EUN	EUN Partnership AISBL, Belgium
Euroclio	Euroclio European Association of History Educators, The Netherlands
F&F	Facts & Files Historisches Forschungsinstitut Berlin Drauschke Schreiber Partnerschaftsgesellschaft Archiv-, Geschichts- und Literaturwissenschaftler, Germany
INESC-ID	INESC-ID, Instituto de Engenharia de Sistemas e Computadores - Investigação e Desenvolvimento em Lisboa, Portugal
KL	Stichting Nederland Kennisland, The Netherlands
Lovegrove	James Lovegrove SPRL, Belgium
MCA	Michael Culture AISBL, Belgium
NISV	Stichting Nederlands Instituut voor Beeld en Geluid, The Netherlands
NTUA	National Technical University of Athens, Greece
Photocons	International Consortium for Photographic Heritage Photoconsortium, Italy
PSNC	Instytut Chemii Bioorganicznej Polskiej Akademii Nauk - Poznańskie Centrum Superkomputerowo-Sieciowe, Poland
SPK	Stiftung Preussischer Kulturbesitz, Germany

Other

CHIs	Cultural Heritage Institutions
DCHE	Digital Cultural Heritage and Europeana
DPS	Data Partner Services
DSIA	DSI aggregators
EAF	Europeana Aggregators' Forum
EDM	Europeana Data Model
ELF	Europeana Licensing Framework
ENA	Europeana Network Association
EPF	Europeana Publishing Framework
IIIF	International Image Interoperability Framework
R&D	Research & Development
SEO	Search Engine Optimisation
UI	User Experience

Work package 1: Operating, maintaining and developing Europeana DSI as the pan-European online cultural platform

WP1 maintains and continuously improves Europeana DSI's main services and functionality. WP1 is focused on an easy and rewarding data publishing process, a satisfying collections experience for users, and a sustainable and high performing platform infrastructure.

Task 1.1. Easy and rewarding data publishing

Partners: EF, PSNC, and INESC-ID

Europeana DSI-4 offers a fully functional data and aggregation infrastructure through Metis, which allows EF to import, transform, validate and enrich metadata for aggregators. The focus for the year revolves around features that speed up and enhance the reliability of the publishing process.

Overview of outcomes

Partner	Outcomes	Progress	Jun M22	Jul M23	Aug M24	Sep M25	Oct M26	Nov M27	Dec M28	Jan M29
Objective 1.1.1. Data publishing with Metis is extended										
EF/ PSNC	METIS maintenance (bugs fixing, infrastructure upgrades, refinement of existing features) - 50% of effort in M22/M23	Ongoing	■	■	■	■	■	■	■	■
EF/ PSNC	Metis and eCloud are updated with the most recent version of Spring and Java	100%	■	■						
EF/ PSNC	Upgrade dereferencing services	100%	■							
EF/ PSNC	Dataset depublication release	100%	■	■						
Objective 1.1.2. Metis data publishing speed and reliability is enhanced										
PSNC	Design and implementation of a failover solution to improve the resilience of eCloud	100%	■	■						
EF/ PSNC	Improvement of resilience and performance of Metis/ECloud infrastructure and libraries	90%	■	■	■	■	■			

Objective 1.1.3. Aggregators and CHIs increase the speed of data publishing			
EF, INESC	Experiments with new ingestion technology with qualifying datasets	Ongoing	
EF	IIIF harvesting implemented (MS5)	100%	
EF	Identify and prioritize new data ingestion pilots	50%	

Metis and eCloud are updated with the most recent version of Spring and Java - both products were upgraded to the latest versions of Spring and Java.

Upgrade dereferencing services - we implemented a new framework for performing the dereferencing that allows more transparency and cooperation across the Europeana teams. This helps to see where data is coming from and how it is used and transformed, issues can be solved more efficiently now.

Dataset depublication release - the depublication feature allows Europeana to more easily depublish individual records and datasets when requested to do so by the partner. This feature was added to the Metis environment to speed up this process.

Design and implementation of a failover solution to improve the resilience of eCloud - the eCloud services were updated so that if they auto-restart then any pending workflow processes will be resumed.

IIIF harvesting implemented (MS5) - this document presents findings of experiments on metadata and content aggregation via linked data and IIIF. IIIF harvesting (as suggested by the milestone title) was implemented as part of the Data Aggregation Lab (DAL). IIIF harvesting is currently not part of Metis. IIIF harvesting is part of the Metis Strategy and needs to be further assessed and prioritized, against all other aspects of the strategy.

Risk assessment: easy and rewarding data publishing

Risk	Likelihood of occurrence	Impact	Mitigation strategy
No risks identified.			

Task 1.2. Collections experience

Partners: EF

Our KPIs are to reach 500,000 visits per month with a 15% user return rate on the Europeana website. To achieve this the consortium maintains and continuously improves the website with a focus on a satisfying collections experience for users.
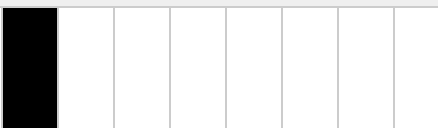
Overview of outcomes

Partner	Outcomes	Progress	Jun M22	Jul M23	Aug M24	Sep M25	Oct M26	Nov M27	Dec M28	Jan M29
Objective 1.2.1. Redevelop the Europeana website										
EF	Europeana website maintenance (bugs fixing, security & software updates) - 20% of efforts in M22/M23	Ongoing	■	■	■	■	■	■	■	■
EF	The blogs no longer exist as a separate platform and are authored and displayed in the same format as the rest of the site	80%	■	■	■	■				
EF	IIIF and full-text is visible in newspaper collection	90%	■	■	■	■	■			
Objective 1.2.2. Transform the browsing experience										
EF	Item page updated (media viewers, multilingual metadata, full-text, related entities)	90%	■	■	■					
EF	People entities will be linked to their profession, such as painter, scientist, engineer	N/A[10]								
EF	More relevant people and better quality relationships between them									
EF	Users can explore curated datasets[11] on the Europeana website	50%	■	■	■	■				
Objective 1.2.3. Provide better media support										
EF	User can access MPEG-DASH format files (Europeana website is able to search and	100%	■							

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[10] *People entities will be linked to their profession, such as painter, scientist, engineer/More relevant people and better quality relationships between them -* after reviewing our plan for the upcoming year, we lowered these outcomes in our priorities so we can focus the efforts on enrichment software implementations.
[11] https://pro.europeana.eu/page/datasets

| | play streaming media) | | ■ | | | | | | | |

| EF | Media player integrated in Europeana (Europeana Media GS project) | 100% | ■ | | | | | | | | |

Objective 1.2.4. Transform the multilingual experience

| EF | Support and implement new vocabularies in the Metis dereferencing service allowing to get more references to entities and multilingual information | Ongoing | ▮ | ▮ | ▮ | ▮ | ▮ | ▮ | ▮ | ▮ | ▮ |

Objective 1.2.5. Deliver better search experiences

| EF | Report on improvement of search | 85% | ▮ | ▮ | ▮ | ▮ | | | | | |

| EF | Proof of Concept BERT-based search with Europeana XX: report on search experiments (Europeana XX GS project) | 40% | ▮ | ▮ | ▮ | ▮ | ▮ | ▮ | ▮ | ▮ | |

| EF | Full-text search for generic services (Enrich Europeana and Europeana Media GS projects) | 100% | ▮ | ■ | | | | | | | |

| EF | Users can see and scroll to all occurrences of where their keyword was found (IIIF full-text items) | 50% | ▮ | ▮ | ▮ | ▮ | | | | | |

| EF | Improved auto-suggest exists on updated website | 100% | ■ | | | | | | | | |

Objective 1.2.6. Extend user engagement features

| EF | Interoperate with Transcribathon.eu platform (Enrich Europeana GS project) | 100% | ▮ | ■ | | | | | | | |

| EF | EDM model for annotations agreed and finalised | 95% | ▮ | ▮ | ▮ | | | | | | |

| EF | Users can log-in to Europeana, like items and create galleries (internal release) | 60% | ▮ | ▮ | ▮ | | | | | | |

| EF | Functionality for third parties to publish exhibitions and galleries in place (MS32) | 70% | ▮ | ▮ | ▮ | | | | | | |

Objective 1.2.7. Europeana collections are more discoverable

| EF | Publication of schema.org for Item Pages (MS82) | N/A[12] | | | | | | | | | |

| EF | Connect Europeana data back into Creative Commons search | 85% | ▮ | ▮ | ▮ | ▮ | ▮ | ▮ | ▮ | | |

[12] Publication of schema.org for Item Pages (MS82) - adjusted to be delivered 2021 (confirmed by EC).

Objective 1.2.8. Europeana collections are more accessible			
EF	Manually audit Europeana collections portal for compliance to Web Content Accessibility Guidelines	100%	██░░░░░░░░
Objective 1.2.9. Europeana items can be easily embedded outside the Europeana website			
EF	Europeana items can be easily embedded outside the Europeana website	80%	████░░░░░░

Users can access MPEG-DASH format files - users can play MPEG-DASH resources on the Europeana website. This was implemented as part of the Europeana Media project. This is the first time users can play items directly from a streaming end-point.

Media player integrated in Europeana (Europeana Media GS project) - the updated media player provides new features such as options to display multilingual subtitles and it supports streaming formats.

Full-text search for generic services (Enrich Europeana and Europeana Media GS projects) - Users are now able to search both on user contributed transcriptions and newspaper full-text.

Improved auto-suggest exists on updated website - we reimplemented the auto suggest on the Europeana website. It now only serves you suggestions for the language that you are searching in which makes the autosuggest more comprehensible and useful.

Interoperate with Transcribathon.eu platform (Enrich Europeana GS project) - User generated transcriptions created as part of the Enrich Europeana project can now be seen on the Europeana website. See example here[13].

Manually audit Europeana collections portal for compliance to Web Content Accessibility Guidelines - an external accessibility specialist reviewed the European website and created a report flagging accessibility issues and their severity. All issues were documented in tickets and will be actioned as part of the regular development process.

Risk assessment: collections experience

Risk	Likelihood of occurrence	Impact	Mitigation strategy

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[13] https://www.europeana.eu/en/item/2020601/https__1914_1918_europeana_eu_contributions_6494

Traffic on Europeana website (KPI 1.1) is below target	Medium	Medium	Continuing our experiments on making record pages more discoverable to Google; Expanding editorials with seasons, exhibitions; Promotions and activities engaging users; Better promotion of APIs to engage with developer and institutional reuse
Returning visitors on Europeana Collections (KPI 1.2) is below target: product/content not good enough to encourage people to return	High	Medium	Optimising the browsing and viewing experiences; Optimising the searching experiences; Optimising multilingual experience; Extending user engagement features; Expanding editorials with seasons, exhibitions; Promotions and activities engaging users
Some entity relations are currently of low quality. Items that show up on the entity/collections pages might appear to the user as being completely unrelated.	High	Medium	Work to improve the quality of the entity relationships is underway in the API team. This includes offering explicit relations coming directly from the entities.

Reporting metrics: collections experience[14]

No.	Description	Measured by	Frequency	Target Y2	May 2020	Jun 2020	Jul 2020
KPI 1.1	Traffic to Europeana website	Number of visits to the Europeana website per month	Monthly	**500,000**	**567,678** **	**432,786** **	**423,405** **
KPI 1.2	Returning visitors to Europeana website	Percentage of visitors returning to the Europeana website	Monthly	**15%**	**12.20%** *	**13.2%** *	**12.6%** *
KPI 1.3	Satisfaction rate for Europeana website	Net Promoter Score	Three times a year	**43**	-	-	**42**
KPI 1.4	Engagement on Europeana website:	Total number of downloads (cumulative per DSI year)	Monthly	**240,000**	**384,051** **	**403,180** **	**422,487** **

[14] End of March 2020 we launched the updated Europeana website. Since April both the original Europeana website and the updated website are available for users. * indicates that the metric states figures of the updated website; ** indicates that the metric adds figures of both the original and updated website; *** indicates that the metric states figures of the original website.

		downloads							
RM 1.1	New visitors to the Europeana website	Total number of new visitors per month	Monthly		-	388,673 **	275,722 **	277,488 **
RM 1.2	Engagement on Europeana website	Average time spent per visit	Monthly		-	1:49 *	1:50 *	1:34 *
RM 1.3	Engagement on Europeana website	Average amount of pages viewed per visit	Monthly		-	3.04 *	2.98 *	2.72 *
RM 1.4	Engagement on Europeana website	Total number of click-throughs to partner websites (cumulative per DSI year)	Monthly		-	124,072 ***	126,600 ***	128,790 ***[15]
RM 1.5	User feedback	Total number of user feedback received via feedback button (cumulative per DSI year)	Monthly		-	-	-	328 **

In June/July we saw a drop in traffic coming to the Europeana website. Traditionally, we see a drop of visits each year in summer.

Three times a year we measure the satisfaction rate for the Europeana website using Net Promoter score. The last survey in July resulted in a good NPS score of 42.[16]

Task 1.3. Infrastructure

Partners: EF and PSNC

High availability and performance is an important priority for the Europeana infrastructure.

Overview of outcomes

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[15] Since April this number only includes click-throughs made via the original website. Tracking of click-throughs for the updated portal is expected to be implemented at the end of September 2020.
[16] An NPS is calculated based on responses to a single question: 'How likely is it that you would recommend our company/product/service to a friend or colleague?' NPS rating is on a scale of -100 to +100, with a score of +50 considered excellent. https://en.wikipedia.org/wiki/Net_Promoter

Partner	Outcomes	Progress	Jun M22	Jul M23	Aug M24	Sep M25	Oct M26	Nov M27	Dec M28	Jan M29
Objective 1.3.1. Infrastructure is sustainable and high performing										
EF	Infrastructure maintenance (bugs, attacks, clean-ups, upgrades, back-ups) - 50% of effort in M22/M23	Ongoing	▓	▓	▓	▓	▓	▓	▓	▓
EF	Migration of log analysis services (ELK)	70%	▓	▓	▓	▓				
EF	Replacement of database cluster	100%	▓	■						
Objective 1.3.2. Core APIs are maintained										
EF	Researchers can download dumps for all datasets (MVP)	100%	■							

Replacement of database cluster - in the past months, we replaced a group of servers to higher performing ones. The performance is expected to be at least 50% better now. This increases both the performance on Metis and the Europeana website.

Researchers can download dumps for all datasets (MVP) - each dataset in Europeana is now available as a compressed zip-file for easy access. The MVP is currently for internal use only and for users asking for this service. We are investigating possible further developments to make this more widely accessible. (ftp://download.europeana.eu/dataset/)

Risk assessment: infrastructure

Risk	Likelihood of occurrence	Impact	Mitigation strategy
High traffic in form of attacks can cause interruptions in the service	Low	High	Anti-flooding mechanism to limit the traffic to real users;

Reporting metrics: infrastructure (quality of service)

No.	Description	Measured by	Frequency	May 2020	Jun 2020	Jul 2020
RM 1.6	Quality of service: Europeana website (single record)	Average response times (seconds)	Monthly	1.70	2.64	1.87
RM 1.7	Quality of service: Europeana website (single record)	Uptime (%)	Monthly	99.19	98.45	97.92

RM 1.8	Quality of service: APIs (all)	Average response times (seconds)	Monthly	0.18	0.40	0.34
RM 1.9	Quality of service: APIs (all)	Uptime (%)	Monthly	100.00	99.66	98.20
RM 1.10	Quality of service: Europeana Pro	Average response time (seconds)	Monthly	0.82	0.89	0.84
RM 1.11	Quality of service: Europeana Pro	Uptime (%)	Monthly	99.99	99.99	99.69
RM 1.12	Quality of service: Metis	Uptime (%)	Monthly	100.00	100.00	100.00

In the past months, we faced some performance issues which caused a slight increase in response time and slight decrease of uptime for the Europeana website and APIs. In the reporting period, we mitigated the issue by scaling up the API-gateway. We are now running more instances of that application and more requests can be handled concurrently. This will hopefully mitigate the issue.

Work package 2: Quality assured content supply

WP2 is about making sure that the collections flowing through the DSI are of the best quality possible. This year our strategy revolves around providing better information to aggregators and CHIs, driving data quality plans, taking direct action on broken links and low quality content (tier 0), and establishing the foundations for third party enrichments and corrections.

Task 2.1. Aggregators and providers are motivated to raise the quality of collections

Partners: EF, APEF, BL, CARARE, AthenaRC, MCA, eFashion, DIF, NISV, AIT-Graz, PhotoCons, and NTUA

EF and aggregator partners built appreciation and insight by communicating the value of being part of the Europeana Initiative. EF and aggregator partners supported existing and new content holders with the organisational and expert knowledge needed to prepare and ingest high-quality datasets for inclusion into Europeana DSI (directly and via aggregators, and by one-to-one support). EF also supports aggregators in their capacity building.

A crucial part of our service is to provide standards for interoperability of data, rights labelling and frameworks for data quality to facilitate the use of cultural content. Under this task we grow these frameworks and standards.

As part of our offer for aggregators and CHIs we also develop digital tools and processes that allow for satisfying experiences for our data partners when working with the Europeana DSI.

Overview of outcomes

Partner	Outcomes	Progress	Jun M22	Jul M23	Aug M24	Sep M25	Oct M26	Nov M27	Dec M28	Jan M29
Objective 2.1.1. Build the capability of aggregators and CHIs										
EF	Helpdesk activities for aggregators	Ongoing	▓	▓	▓	▓	▓	▓	▓	▓
DSIA	Helpdesk activities for CHIs	Ongoing	▓	▓	▓	▓	▓	▓	▓	▓
EF, DSIA	Working Groups (Data Quality Committee [17]; IIIF & Europeana[18])	Ongoing	▓	▓	▓	▓	▓	▓	▓	▓
EF	Satisfaction surveys (aggregators) (KPI 2.2)	100%	▓	█						
EF	Overview of data providers that have signed the new DEA (MS30)	100%	▓	█						
Objective 2.1.2. Grow our frameworks and standards										
EF	Research future needs for EPF	Ongoing	▓	▓	▓	▓	▓	▓	▓	▓
EF	Report on implementing a metadata quality framework (MS7)	90%	▓	▓	▓					
EF	EDM updated (documentation, model, research on future requirements)	Ongoing	▓	▓	▓	▓	▓	▓	▓	▓
EF	Consolidate and extend EDM profile on full-text	100%	█							
EF	Consolidate and extend EDM profile on user sets	100%	▓	█						
Objective 2.1.3. Provide tools to support digital transformation										
No active outcomes in M22/M23.										

Satisfaction surveys (aggregators) (KPI 2.2) - In May 2020, EF invited accredited aggregators to fill in a satisfaction survey. It covered aspects related to: the data submission support; the

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[17] https://pro.europeana.eu/project/data-quality-committee
[18] https://pro.europeana.eu/project/iiif-europeana-working-group

documentation available for preparing EDM data for publishing on Europeana; the tools and processes used for tracking and managing the publication workflow; the support of the Europeana Data Publishing team; and the quality of Metis processes and the statistics tool. We received input from 25 accredited aggregators (out of a total of 38 accredited aggregators). 61% expressed being satisfied and very satisfied with the publication processes, tools and support offered by the Europeana team. In addition to the satisfaction, we got more detailed input from the aggregators about the individual points asked in the survey. This additional feedback is currently being evaluated and it will shape our priorities for the next few years, e.g. on how to improve the usefulness of guidance materials.

Overview of data providers that have signed the new DEA (MS30) - in March 2019 the updated DEA was published and made available to data partners. Since then 15 new data providers have signed the document (two used the new digital process implemented in April 2020).

Data providers that have signed the new DEA

National Library of Latvia	Allied Museum
Digital Repository of Ireland	Husitské muzeum v Táboře
Czech Digital Library / Česká digitální knihovna	The Zamoyski Museum in Kozłówka
Statens Museum for Kunst	The Tatra Museum in Zakopane
UMA Information Technology GmbH	Muzeum Górnictwa Węglowego w Zabrzu
Museu de Ciències Naturals de Barcelona	Ethno.by
Near Media Co-Op	Museum of the Blansko Region
Instytut Badań nad Dziedzictwem Kulturowym Europy	

Consolidate and extend EDM profile on full-text/Consolidate and extend EDM profile on user sets - In this period, we extended and consolidated EDM profiles on full-text and user sets. This work supported the needs of Generic Service projects for representing transcriptions, closed captions and subtitles, as well as lists of favourite items from Europeana's users.

Overview of communication and dissemination efforts

Partner	Name of event	Activity	Location	Date
No activities in M22/M23.				

Risk assessment: Aggregators and providers are motivated to raise the quality of collections

Risk	Likelihood of occurrence	Impact	Mitigation strategy

No risks identified.

Reporting metrics: aggregators and providers are motivated to raise the quality of collections

No.	Description	Measured by	Frequency	Target Y2	May 2020	Jun 2020	Jul 2020
KPI 2.1	CHI satisfaction	Percentage of surveyed CHIs that rate the relation with its aggregator (partner in Europeana DSI-4) 4 or higher on a likert scale of 1-5	Once a year	**95%**	-	-	**Expect. Aug 21[19]**
KPI 2.2	Aggregator satisfaction	Percentage of surveyed aggregators that rate the relation with Europeana 4 on a likert scale of 1-5	Once a year	**65%**	-	**61%**	-
RM 2.1	Quality assured content supply events	Number of national workshops run (cumulative per year)	Bi-monthly		2	-	2
RM 2.2	CHI outreach to new institutions	Total number of new institutions (cumulative per year)	Bi-monthly		46	-	46
RM 2.3	CHIs supported by DSI-Agg	Total number of individual CHIs supported by DSI-Agg (cumulative per year)	Bi-monthly		196	-	200

[19] We have a metric on CHI satisfaction to be reported on by August 2020. The metric measures the satisfaction of the CHIs with the work of the DSI aggregators to publish their data in Europeana. We discussed the survey with DSI aggregators that would have to contact the CHIs to fill the survey. Due to the current situation (COVID-19), DSI aggregators think it is not appropriate to ask CHIs to do something for us but to ask them what support they need from us. We suggest taking the opportunity of pausing with the CHI satisfaction for this year to rethink what the best way would be to investigate what we need to ask in our survey to understand how successful we are supporting CHIs towards their digital transformation.

RM 2.4	CHIs supported by DSI-Agg	Total number of countries that received support by DSI-Agg (cumulative per year)	Bi-monthly			30	-	30

In June 2020, we concluded a satisfaction survey with accredited aggregators. 61% expressed being satisfied and very satisfied with the publication processes, tools and support offered by the Europeana team. Our aim was to reach 65%. We will follow up on the individual feedback received to improve the service over the upcoming months.

Task 2.2. Raise quality of aggregated data

Partners: EF, APEF, BL, CARARE, AthenaRC, MCA, eFashion, DIF, NISV, AIT-Graz, PhotoCons, and NTUA

EF works together with aggregators to ensure the quality of collections on the Europeana website meets the standards set for Europeana CSP. The key mechanism for driving this is aggregator's data quality plans. We will continue to work with them to correct rights fields, to improve discovery of records, and upgrade the quality of content and data. Additionally, EF will take direct action to improve quality by removing or hiding material that is not improving, starting by resolving high impact issues such as tier 0 content and legacy broken links.

Overview of outcomes

Partner	Outcomes	Progress	Jun M22	Jul M23	Aug M24	Sep M25	Oct M26	Nov M27	Dec M28	Jan M29
Objective 2.2.1. Direct actions for assuring data quality										
EF	Data publication (DSI, Generic services, and others)	Ongoing								
EF	Address data quality issues in the repository (e.g. broken links)	Ongoing								
Objective 2.2.2. Raise quality by establishing data quality plans										
DSIA	Data quality improvements and new content	Ongoing								
EF	Review of data quality plans and ingestion planning (Europeana Common Culture GS project)[20]	75%								

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[20] https://pro.europeana.eu/project/europeana-common-culture

Risk assessment: Raise quality of aggregated data

Risk	Likelihood of occurrence	Impact	Mitigation strategy
Data partners don't control content quality and have difficulties to incentivise the improvement of content quality, which is a risk for Tier 2 and Tier 3 and above to be achieved.	Medium	Medium	The new Europeana website is much better featuring high quality content related to specific themes, subjects, and people. This can help to have a motivation for CHIs to invest in content quality. In parallel, training on the real message 'the more you give the more you get' of the EPF can help to focus more on publishing with a purpose.

Reporting metrics: raise quality of aggregated data

No.	Description	Measured by	Frequency	Target Y2	May 2020	Jun 2020	Jul 2020
KPI 2.3	Data quality (high quality content)	Percentage of Tier 2 + material	Monthly	> 65%	61.8%	62.41%	63.08%
KPI 2.4	Data quality (high quality + reusable content)	Percentage of Tier 3+ material	Monthly	> 40%	40.5%	41.17%	41.82%
RM 2.5	Data quality: tier 1 (content)	Percentage of data in tier 1	Monthly		38.2%	37.59%	36.91%
RM 2.6	Data quality: tier 2 (content)	Percentage of data in tier 2	Monthly		21.2%	21.25%	21.26%
RM 2.7	Data quality: tier 3 (content)	Percentage of data in tier 3	Monthly		9.2%	9.22%	9.03%
RM 2.8	Data quality: tier 4 (content)	Percentage of data in tier 4	Monthly		31.4%	31.95%	32.78%
RM 2.9	Data quality: tier 0 (metadata)	Percentage of data in tier 0	Monthly		47.7%	46.74%	44.95%
RM 2.10	Data quality: tier A (metadata)	Percentage of data in tier A	Monthly		39.7%	40.79%	41.95%
RM 2.11	Data quality: tier B (metadata)	Percentage of data in tier B	Monthly		10.6%	10.49%	11.07%

RM 2.12	Data quality: tier C (metadata)	Percentage of data in tier C	Monthly		2.0%	1.96%	2.01%
RM 2.13	Data quality: broken links	Number of broken links (out of total)	Quarterly		-	1.5 million	-[21]
RM 2.14	Data quality: datasets updated	Total number of newly created and updated datasets (out of total)	Monthly		38	50	54
RM 2.15	Data quality: records updated	Total number of newly created and updated records (out of total)	Monthly		498,139	2,770,427	1,837,573
RM 2.16	Data repository: volume	Total number of records in the data repository[22]	Monthly		48,063,721	48,510,053	49,619,904

In the reporting period, we made progress towards our KPIs for data quality. We were also able to estimate the number of broken links in the Europeana data repository. Currently, we count 1.5 million broken links (excluding content Tier 0).

In this period, we also recorded over 1 million more records in the data repository. This was a combined outcome of data delivered by DSI aggregators (new and updated records to Tier 0) and data submitted as part of GS project outcomes (e.g. Europeana Archaeology and Europeana Common Culture).

Data quality improvements per aggregator based on the EPF[23]

		Content				Metadata			
Month	Total[24]	Tier 1	Tier 2	Tier 3	Tier 4	Tier 0	Tier A	Tier B	Tier C

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[21] This measure will be provided quarterly, next measurement will be done October 2020.
[22] This number excludes content Tier 0 material (non-EPF compliant material).
[23] Data quality improvements are done based on data quality improvement plans per aggregator. In case an update was delivered to Europeana DSI in the reporting period and the percentages of tiers changed compared to the previous reporting period an explanation is added to this report. All numbers stated here are excluding content Tier 0. Currently, all our reporting is based on EPF compliant content (excluding Tier 0). Tier 0 content per partner is available on request.
[24] The total figure is excluding content not compliant to the EPF (tier 0).

APEF									
Aug 19	302,950	87.19%	4.16%	8.43%	0.22%	98.55%	1.45%	0.00%	0.00%
May 20	302,950	87.19%	4.16%	8.43%	0.22%	98.55%	1.45%	0.00%	0.00%
Jul 20	302,950	87.19%	4.16%	8.43%	0.22%	98.55%	1.45%	0.00%	0.00%
BL (Europeana Sounds)									
Aug 19	449,175	84.90%	2.61%	6.98%	5.51%	50.62%	16.70%	25.40%	7.28%
May 20	470,233	78.89%	7.62%	6.07%	7.42%	41.03%	12.59%	39.41%	6.96%
Jul 20	656,867	59.54%	31.19%	4.34%	4.93%	29.38%	17.53%	45.56%	7.53%
CARARE / AthenaRC									
Aug 19	1,878,861	23.77%	16.48%	2.61%	57.14%	27.29%	21.66%	46.21%	4.84%
May 20	1,984,246	23.22%	15.07%	3.98%	57.73%	0.81%	20.82%	71.93%	6.44%
Jul 20	1,986,188	23.21%	15.05%	4.07%	57.68%	0.81%	20.79%	71.73%	6.67%
MCA									
Aug 19	2,633,200	58.51%	34.30%	5.29%	1.91%	27.96%	51.77%	20.20%	0.07%
May 20	2,613,254	57.73%	34.92%	5.84%	1.51%	26.93%	51.44%	21.28%	0.35%
Jul 20	2,589,413	57.22%	35.36%	5.88%	1.52%	26.20%	51.81%	21.45%	0.53%
eFashion									
Aug 19	810,817	10.79%	88.53%	0.03%	0.65%	0.00%	9.02%	90.98%	0.00%
May 20	844,139	10.57%	86.71%	0.03%	2.70%	0.00%	9.33%	88.01%	2.66%
Jul 20	850,582	10.49%	86.81%	0.03%	2.68%	0.00%	9.38%	85.85%	4.77%
DFF (EFG - The European Film Gateway)									
Aug 19	589,369	81.55%	18.30%	0.00%	0.15%	59.13%	28.00%	12.87%	0.00%
May 20	617,545	77.70%	22.15%	0.00%	0.15%	56.43%	19.58%	13.23%	10.75%
Jul 20	617,786	77.67%	22.15%	0.00%	0.18%	56.41%	19.58%	13.26%	10.75%
NISV (EUscreen)									
Aug 19	503,980	74.39%	23.74%	0.26%	1.60%	70.96%	29.04%	0.00%	0.00%
May 20	501,880	74.99%	23.13%	0.26%	1.61%	71.26%	28.74%	0.00%	0.00%

Jul 20	487,644	75.39%	24.32%	0.27%	0.00%	74.57%	25.42%	0.00%	0.00%
AIT-Graz (OpenUp!)									
Aug 19	7,621,396	2.17%	12.80%	7.26%	77.78%	71.45%	28.55%	0.00%	0.00%
May 20	8,636,138	1.92%	11.53%	7.22%	79.34%	62.76%	34.25%	2.98%	0.00%
Jul 20	9,070,015	1.74%	10.65%	6.55%	81.07%	57.10%	38.21%	4.69%	0.00%
PhotoCons									
Aug 19	415,388	50.64%	28.36%	19.18%	1.82%	0.00%	37.08%	62.92%	0.00%
May 20	423,842	33.31%	42.86%	18.02%	5.81%	0.36%	61.22%	38.42%	0.00%
Jul 20	425,568	33.24%	43.03%	17.95%	5.79%	0.36%	61.38%	38.27%	0.00%

BL (Europeana Sounds)

The June 2020 update saw the revision of a dataset from the Internet Archive, supplied by NISV. This dataset comprised various recorded concerts, some with many different tracks. The metadata contained enough information to be one Europeana page for each track. The metadata was therefore revised using OpenRefine and, as a result, some 165,000 tracks were added to Europeana which were contentTier:2 and either metadataTier:A or B. This increased the percentage of Europeana Sounds' content tier 2 from around 8% to 31%; and the percentage of metadataTier:B from 39% to 45%. The total records for Europeana Sounds, excluding tier:0 content, rose from 470,000 to 650,000. The revision of these records also contributed to targets for the 'Common Culture' project.

CARARE / AthenaRC

In June an update for the Instituto de Arqueología Ibérica-Universidad de Jaén's datasets was ingested into Europeana. This update included new content and enrichments to existing content provided as part of the Europeana Archaeology project. In this publication the Instituto enriched their data by adding time spans for archaeological periods. Issues with the transmission of diacritic characters in Spanish words, noticed in the previous publication, were corrected by the Insituto in their system. Of the content in this high-quality dataset 74% is at tier 3 with 85% of the metadata at tier C. 25% of the content is currently at tier 1.

In June a new collection delivered by Lunida as part of the Europeana Archaeology project was ingested into Europeana. This collection of 3D models of Art Nouveau buildings in the Danube region is part of eheritage.si and the Urbanistični inštitut Republike Slovenij. The content which is published on Sketchfab is 100% at tier 3 with 97% of its metadata at tier B (3% of the metadata is at tier C).

During the period an update of the Share3D collection was ingested into Europeana. This collection now includes 3D models published on Sketchfab from the Hunt Museum, Musée d'Archéologie nationale, domaine national de Saint-Germain-en-Laye and Vilnius University Faculty of Communication delivered as part of the Europeana Archaeology project. Of the content, 46% is at tier 3 and 54% at tier 4 with 40% of the metadata at tier B and 60% at tier C.

MCA

In cooperation with The Allierten Museum in Berlin, MCA provided an updated version of this collection, adding new items (now the collection consists of 5.074 items) and improving the contents (nearly all of them are in Tier 2) and metadata quality (92% in Tier C). The collection includes some highlights, as the visit to Berlin of the American President Ronald Reagan, the exchange of prisoners at Glienicker Bridge, the Allied Parade in Berlin Tiergarten and some very interesting road signs.

Europeana Fashion

Source datasets from Europeana Fashion were improved by a thorough control of language tags, which were added to all relevant fields in the majority of the datasets. The names of places and agents were matched against Geonames and Wikidata respectively, which results in a significant improvement of metadata quality.

2048232 Paul van Riel (Netherlands): The mapping of the Paul van Riel dataset was improved (a.o. addition of language tags to all relevant elements). In reharvesting the dataset, Geonames and Wikidata URI's could be dereferenced, resulting in a significantly higher metadata quality (over 50% now in Tier C, most others in B).

2048215 Traje (Spain): The mapping of the Traje (CER.ES, Spain) dataset was supplemented with additional agents and more specific language tags. In reharvesting the dataset, Wikidata URI's for Agents could be dereferenced, resulting in over 2000 records raised from level A to B and almost 887 records that reached metadata tier C.

2048207 Rossimoda (Italy): The Rossimoda dataset has been reprocessed and published with Geonames URIs dereferenced and additional language tags. All records are now in data tier B (7,520 records) of C: (5,973 records).

2048205 Pucci Archive (Italy): The Pucci Archive mapping was improved (language tags and supplemental improved geographic metadata). The dataset was reprocessed and republished with a strong improvement in metadata quality: Wikidata agents and Geonames URIs were dereferenced (Metadata tier A: 1013, metadata tier B: 6110 and metadata tier C: 2710.

2048233 Textile Research Center (Netherlands): An issue with the image URLs was solved. With Geonames dereferenced, out of 6795 records, 3440 have reached metadata tier B and 391 are in metadata tier C.

2048222 Shoes or no Shoes (Belgium): The mapping was improved with additional language tags and designers names extracted from description fields. Wikidata URIs were dereferenced.

2048224 Galleria del Costume di Palazzo Pitti (Italy): With additional language tags and geographic references, the dataset was republished. With an improvement of the source data and dereferenced Wikidata agents the metadata tier level was ameliorated.

2048225 Ferragamo (Italy): The Ferragamo dataset was reharvested, with Wikidata URIs dereferenced. 781 out of 858 records are now in metadata tier C.

2048234 Muzealne Mody (Poland): The Mozealne Mody dataset was updated with new and updated records from the content provider. After reprocessing, both Wikidata and Geonames URIs have been dereferenced. All 196 records are now in metadata tier C.

2048227 Fondazione Cerratelli (Italy): After reprocessing this set with Geonames URIs dereferenced, the metadata quality has been enhanced significantly (17 records in metadata tier B, 81 in tier C).

DFF (EFG - The European Film Gateway)
08614 eye Film Instituut Nederland: After Europeana updated the list of valid Youtube URIs that are validated for embedding/tier calculation, the set was reprocessed to extract technical metadata for those videos that contain a Youtube URL in IsShownBy. As a result, content tier improved: 158 videos moved from content tier 0 to content tier 4.

08621 Österreichisches Filmmuseum: The issue with technical metadata extraction and content tier evaluation for video records with IsShownBy pointing to Vimeo has been solved by changing the link structure. As a result the respective records that ended up in content tier 0 during the last reporting period are now in content tier 4.

During this reporting period some adaptations in the general mapping from the EFG schema to EDM have been made. The mapping of Geonames URIs was changed to fix dereferencing problems caused by the switch of the Geonames vocabulary to https://. Also, to avoid duplication of terms on Europeana, literal terms have been removed from dc:subject, dcterms:spatial and dc:type, if also URLs to vocabularies dereferenced by Europeana are provided in these elements. A number of EFG sets (08625 Filmoteca Española, 08630 Arhiva Nationala de Filme, 259 KurzFilmAgentur Hamburg, 08634 Cineteca Nazionale, 276 Hochschule für Gestaltung Offenbach, 253 Kunsthochschule Kassel, 252

Hochschule RheinMain) have been updated in July with the adapted EDM exports, and metadata tier rose from metadata B to metadata C for many records.

[EUscreen](#).
Overall, nearly 160,000 records were improved in the last period from 20 providers. Mostly this included updates to a small selection of sets from several providers but this also included a significant improvement to the LUCE sets mentioned below.

2051914 and 2051943 LUCE: In May and June various issues with the playout and display of a set provided by LUCE were resolved. Also subtitles were added in the form of annotations for a number of records to be used as examples in the Europeana Media project. Because of these changes, the records needed to be reharvested.

2051920 ERT: The set from Greek provider ERT was reharvested with 15,000 records updating from Tier 0 to Tier 1 accounting for the revised video thumbnail requirements.

2051904 Deutsche Welle: This set from German provider Deutsche Welle was reharvested with nearly 50,000 records being updated from Tier 0 to Tier 1 also accounting for the revised video thumbnail requirements and fixing broken links.

[AIT-Graz (OpenUp!)](#).
In June and July various data sources from the content providers Meise Botanical Garden, Brussels, and Royal Botanical Garden Madrid were ingested to Europeana. The total of these sets amounts to more than 1.4 Mio data records for Europeana. The data comprises herbarium sheet information, botanical illustrations, scientist letters, photographs, maps, drawings etc. 97% of this content qualifies as tier 4 content. Part of the data relates to the second LinBi Virtual Exhibition 'François Crépin and the study of wild roses[25]' which was launched on the Europeana website on July 30.

[Photocons](#)
United Archives: republication due to broken links (tier 0) that have been fixed at provider's side.

Task 2.3. Influence global interoperability and technological innovation

Under this task we influence and organise global interoperability efforts to benefit CHIs. The evolution of interoperability efforts largely progress through involvement in external working groups, task forces, and committees, but also through the creation and dissemination of research reports and reference papers. We also foster a community of

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[25]

https://www.europeana.eu/en/exhibitions/francois-crepin-and-the-study-of-wild-roses?utm_medium=email&utm_source=Newsletter

experts, developers and researchers from the R&D sector making sure that the Europeana Initiative leads the way with technological innovation in the cultural heritage sector.

Overview of outcomes

Partner	Outcomes	Progress	Jun M22	Jul M23	Aug M24	Sep M25	Oct M26	Nov M27	Dec M28	Jan M29
Objective 2.3.1. Influence and organise global interoperability efforts to benefit CHIs										
EF	Conversation with stakeholders on data mapping (Wikimedia)	Ongoing	■	■	■	■	■	■	■	■
EF	Producing and disseminating research reports	Ongoing	■	■	■	■	■	■	■	■
EF	Contribute to working groups (WG), task forces (TF), and committees	Ongoing	■	■	■	■	■	■	■	■
EF	Coordinate Rightsstatements.org's Technical Working Group	Ongoing	■	■	■	■	■	■	■	■
EF	New version of the Technical whitepaper for RightsStatements.org	100%	■							
EF	Coordinate the IIIF Discovery Technical Specification Group	Ongoing	■	■	■	■	■	■	■	■
EF	New version of IIIF Change Discovery API (0.9 BETA)	100%	■							
EF	IIIF and Europeana working group[26] (EAF, EuropeanaTech community, IIIF)	Ongoing	■	■	■	■	■	■	■	■
EF	Make Europeana available on relevant AI-related platforms	15%	■	■	■	■	■	■	■	■
EF	Share machine learning discussion paper with AI taskforce	80%	■	■						
EF	Share machine learning notebook proof-of-concept	20%	■	■	■	■	■	■	■	■
Objective 2.3.2. Engage and nurture the EuropeanaTech community[27]										
EF, NISV	EuropeanaTech community coordination (SG activities, Twitter, mailing list)	Ongoing	■	■	■	■	■	■	■	■
EF	EuropeanaTech WG: Data Quality Committee[28]	Ongoing	■	■	■	■	■	■	■	■

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[26] https://pro.europeana.eu/project/iiif-europeana-working-group
[27] https://pro.europeana.eu/network-association/special-interest-groups/europeanatech
[28] https://pro.europeana.eu/project/data-quality-committee

EF	EuropeanaTech TF: Interoperability of annotations and user sets[29]	80%	
EF	EuropeanaTech TF: AI in relation to GLAMs[30]	45%	

New version of the Technical whitepaper for RightsStatements.org - The RightsStatements.org Technical Working Group, co-chaired by EF, has released an update of the whitepaper 'Requirements for the technical infrastructure for standardized international rights statements[31].' The new version notably features examples using the rights statements in Wikidata and Schema.org.

New version of IIIF Change Discovery API (0.9 BETA) - The IIIF Discovery Technical Specification Group, co-chaired by EF, has issued a new version of the IIIF Change Discovery API (0.9 Beta [32]), which is a key piece of technology in our research on innovative metadata harvesting. The new version builds on experiences gathered in earlier experiments and recent software developments.

Research publications and outreach events

Partner	Name of activity	Activity	Location	Date
EF	Workshop on Humanities in the Semantic Web (WHiSe) at the European Semantic Web Conference	Invited keynote 'Europeana as a Linked Data (Quality) case'	Heraklion, Crete, Greece (online)	2020-06-02
EF	Webinars on digitalised collections 2020: Enriching research – enriching metadata	Presentation 'Saint George on a Bike: AI and improving the quality and quantity of metadata'	Online	2020-06-16

Reporting metrics: Influence global interoperability and technological innovation

No.	Description	Measured by	Frequency	Target Y2	May 2020	Jun 2020	Jul 2020

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[29] https://pro.europeana.eu/project/interoperability-of-annotations-and-user-sets
[30] https://pro.europeana.eu/project/ai-in-relation-to-glams
[31] https://rightsstatements.org/files/200505requirements_for_the_technical_infrastructure_for_standardized_international_rights_statements_v1.2.2.pdf
[32] https://iiif.io/api/discovery/0.9/

KPI 2.5	Europeana Research and Development contributions	Total number of reference papers or presentations	Monthly	10		4	5	5

We anticipate to be underperforming on this KPI this year. Publication is a rather irregular activity, where the number of opportunities varies from one year to another. It depends very much on the alignment between the occurrence of an interesting venue and the availability of some new relevant work we can present there. As of July 2020, we have four contributions not published yet, and a paper being written for submission to a conference. Publication efforts can also be adapted depending on other constraints, as they are less critical to the release of the Europeana service. This irregularity is well exemplified with the difference between this year's performance and last year's, where we achieved a 50% overperformance.

2.4. Implement an international, interoperable licensing framework

Partners: EF

Under this task we maintain and implement an international, interoperable licensing framework catering to the needs of data partners and users.

Overview of outcomes

Partner	Outcomes	Progress	Jun M22	Jul M23	Aug M24	Sep M25	Oct M26	Nov M27	Dec M28	Jan M29
Objective 2.5.1. Address the copyright knowledge gap among CH professionals										
EF	ELF management (review of ELF policies, support rights issues in data ingestion process, update documentation)	Ongoing	■	■	■	■	■	■	■	■
EF	Management of the adoption of multilingual rights information	Ongoing	■	■	■	■	■	■	■	■
EF	Europeana strategy to manage copyright 2020+	95%	■	■	■	■				
EF	Develop UGC approach for copyright to support Europeana and Europeana Generic Services	95%	■	■	■	■				
EF	Research report into the needs of CHI with differing levels of copyright knowledge and resource (MS85)	100%	■	■						
EF	Copyright training materials for Europeana data partners (webinars,	30%	■	■	■	■	■	■	■	

	videos, FAQ)		▮	▮	▮	▮	▮	▮	▮	

Objective 2.5.2. Collaborations with initiatives working in and around the field of copyright

EF	Contribute to NEMO IP working group[33]	Ongoing	▮	▮	▮	▮	▮	▮	▮	▮
EF	Collaboration with Creative Commons[34]	Ongoing	▮	▮	▮	▮	▮	▮	▮	▮
EF	Collaborate with OpenGLAM outreach[35]	Ongoing	▮	▮	▮	▮	▮	▮	▮	▮
EF/ENA	Series of webinars on copyright and Open Glam (with OpenGLAM and MCN[36])	Ongoing	▮	▮	▮	▮	▮	▮	▮	▮

Objective 2.5.3. Promote and improve Rightsstatements.org[37]

EF	RightsStatements.org management	Ongoing	▮	▮	▮	▮	▮	▮	▮	▮
EF	RightsStatements.org: translations	Ongoing	▮	▮	▮	▮	▮	▮	▮	▮
EF	RightsStatements.org: recommendations for development of implementation package	55%	▮	▮	▮	▮	▮	▮	▮	
EF	Implementing recommendations of membership model	60%	▮	▮	▮	▮	▮	▮	▮	▮

Objective 2.5.4. Engage and nurture the Europeana Copyright community[38]

EF/ENA	Europeana Copyright community management	Ongoing	▮	▮	▮	▮	▮	▮	▮	▮
EF/ENA	Europeana Copyright community communication activities (Twitter[39], mailing list, newsletter)	Ongoing	▮	▮	▮	▮	▮	▮	▮	▮
EF/ENA	Guidelines on copyright management for CHIs	20%	▮	▮	▮	▮	▮	▮	▮	

Research report into the needs of CHI with differing levels of copyright knowledge and resource (MS85) - In July 2020, we compiled a research report[40] with findings on the level of copyright knowledge and need for copyright training for CHIs. The outcomes were obtained from the copyright community survey, a survey conducted live with Europeana data partners, and we also took note of research outcomes conducted by other organisations, such as the

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[33] https://www.ne-mo.org/about-us/working-groups/working-group-digitalisation-and-ipr.html
[34] https://creativecommons.org/
[35] https://openglam.org/
[36] https://mcn.edu/
[37] https://rightsstatements.org/en/
[38] https://pro.europeana.eu/network-association/special-interest-groups/europeana-copyright
[39] https://twitter.com/europeanaipr?lang=en
[40] https://pro.europeana.eu/post/the-state-of-play-of-copyright-knowledge-in-cultural-heritage-institutions

report on digitisation and copyright[41] by the Network of European Museum Organisations. Among other things, the sector generally struggles with interpreting the application of laws across-borders, identifying the copyright status of collection items, and dealing with orphan works. There are also many misunderstandings, at least among Europeana aggregators, on the scope of creative commons license, tools and rights statements.

Risk assessment: maintain Europeana Licensing Framework and Rightsstatements.org

Risk	Likelihood of occurrence	Impact	Mitigation strategy
Rightsstatement.org: Challenge to build a sustainable consortium 2020 - especially more challenging post-covid	Low	High	The new membership model is operational in 2020, and a revision of services offered by the consortium will together be used to attract new members. Post-covid we are taking steps to specifically re-review the model and simplify in light of the perceived impact.

Reporting metrics: maintain Europeana Licensing Framework and Rightsstatements.org

No.	Description	Measured by	Frequency	Target Y2	May 2020	Jun 2020	Jul 2020
KPI 2.6	Take up of rightsstatements.org	Percentage of active aggregators that integrated rightsstatements.org in their infrastructure	Once a year	35%	-	71%	-

In order to get an update of the take up of rs.org we contacted accredited aggregators that last year reported that rs.org statements were not integrated yet. Two of them have completed the integration in the meantime. In addition, we spoke to the newly accredited aggregators and four of them work with rs.org statements. That means that by now 27 out of 38 accredited aggregators have integrated rightsstatements.org in their infrastructure (equivalent to 71%).

41

https://www.ne-mo.org/news/article/nemo/nemo-report-on-digitisation-and-copyright-challenges-of-making-museum-collections-accessible-online.html

Work Package 3: Fostering reuse of digital cultural heritage resources

WP3 fosters reuse of digital cultural heritage by community engagement and audience outreach. We build up market-specific communities to bring together various stakeholders on the reuser markets education and academic research. For even stronger engagement, we work with selected market partners on cross-promotion and joint community outreach campaigns.

Task 3.1. Engage with educational communities

Partners: EF, EUN, EUROCLIO

The work under this task aims to embed relevant Europeana resources in various educational systems and increase awareness of Europeana as a resource for education.

Overview of outcomes

Partner	Outcomes	Progress	Jun M22	Jul M23	Aug M24	Sep M25	Oct M26	Nov M27	Dec M28	Jan M29
Objective 3.1.1. Communication and dissemination to educational communities										
EF	Europeana Pro communications (blogs[42])	Ongoing	■	■	■	■	■	■	■	■
EF	Europeana Education LinkedIn group; Europeana Education Facebook Group[43]; Twitter under #EuropeanaEducation[44]	Ongoing	■	■	■	■	■	■	■	■
EF	Europeana Classroom	100%	■							
EF	Culture From Home - Education[45]	100%	■							
Objective 3.1.2. Engage and nurture the Europeana Education community										
EF	Europeana Education community coordination	Ongoing	■	■	■	■	■	■	■	■
EF	Development of the Olympic Flame Game by a community member	80%	■	■	■	■	■			
EF	Survey with museum educators (collaboration with NEMO[46])	100%	■							

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[42] https://pro.europeana.eu/pages/blog/news/markets/education
[43] https://www.facebook.com/groups/EuropeanaEducation/
[44] https://twitter.com/hashtag/europeanaeducation
[45]
[46] https://cultureactioneurope.org/member/nemo-network-of-european-museum-organisations/
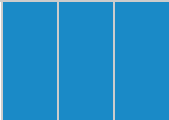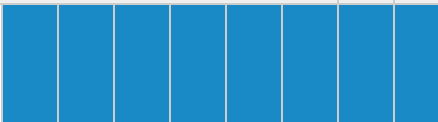
EF	Workshop 'Connecting formal and informal education with digital cultural heritage'	70%	■	■	■						

Objective 3.1.3. Engage with educational partners

No activities in M22/M23.

Objective 3.1.4. Integration of Europeana resources on educational platforms

EF	Collaboration with Ministries of Education (Spain , Portugal, France, Greece, Croatia, Italy)	Ongoing	■	■	■	■	■	■	■	■	■
EF	Integration of Europeana learning resources in the Institute of Educational Policy[47] (Ministry of Education in Greece)	100%	■								

Objective 3.1.5. Increase the use of digital cultural content for learning

European Schoolnet (EUN)

EUN	Communication and dissemination activities	Ongoing	■	■	■	■	■	■	■	■	■
EUN	Development of learning scenarios and stories of implementation (teacher Ambassadors, teacher User group)	Ongoing	■	■	■	■	■	■	■	■	■
EUN	Europeana Education Competition 2020 (MS86)	100%	■								

Historiana

EUROCLLIO	Communication and dissemination activities	Ongoing	■	■	■	■	■	■	■	■	■
EUROCLLIO	SEO of published Europeana content on Historiana	Ongoing	■	■	■	■	■	■	■	■	■
EUROCLLIO	eLearning activities developed (MS45)	100%	■	■							
EUROCLLIO	Fit for education case study (MS46)	80%	■	■	■						

Europeana Classroom[48] - We launched a new space with +300 educational resources for educators and learners on the Europeana website. The space provides access to learning

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[47] http://iep.edu.gr/en/
[48] https://www.europeana.eu/en/europeana-classroom

scenarios in five European languages and is categorized by age groups, co-creation tools, apps and games.

Culture From Home - Education - From March to June 2020, Europeana Communicators held a series of webinars on the theme 'Culture from home', in which specialists from museums, libraries, archives and educational settings shared their solutions for reaching audiences while their doors were closed. On 11 June they dedicated one for Education, where Europeana educational activities and resources were presented. More than 60 people attended and the recording on Youtube has +170 visits so far[49].

Survey with museum educators (in collaboration with NEMO) - The Europeana Education community (EEC) and the LEM working group of NEMO are planning several activities that aim to help museum educators use digital cultural heritage with students in compulsory education. To make sure that these activities are meeting museum educators needs, we ran (from 18 May until 24 June) a short survey to understand how they are using digital collections and digital tools to engage with schools and students, and which are their current training needs. The survey was anonymous and had 102 respondents[50]. Some interesting results are that more than 45% of the respondents had their digital collections already on Europeana, that more than 70% haven't received training to migrate their activities online, and that almost 85% are willing to use Europeana ready-made resources in their educational activities.

Integration of Europeana learning resources in the Institute of Educational Policy (Ministry of Education in Greece) - Since June, there is a new space[51] for educators with Europeana resources in the Institute of Educational Policy from the Ministry of Education (Greece).

Europeana Education Competition 2020 (MS86)[52] - The competition was organized from March to April 2020, in collaboration with the 2020 STEM Discovery Campaign[53]. During the competition, primary and secondary school teachers of all subjects were invited to find innovative ways of using Europeana digital cultural items in their classroom[54]. The winners' best entries (in English) will be translated into six languages (Spanish, Portuguese, Italian, French, Greek and Polish) and published as an online booklet, that will be disseminated across Europe, to Ministries of Education, as well as teachers at the beginning of next school year.

eLearning activities developed (MS45) - EuroClio created 12 new eLearning activities for the Historiana platform with Europeana items:

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[49] https://www.youtube.com/watch?time_continue=562&v=rRbAjLmdhSo&feature=emb_logo
[50] Survey results available on request.
[51] http://iep.edu.gr/el/deltia-typou-genika/europeana
[52] https://teachwitheuropeana.eun.org/updates/jump-in-the-europeana-education-competition-2020/
[53] http://www.scientix.eu/events/campaigns/sdc20#p_39_INSTANCE_XdalZo3g9pQT
[54] https://teachwitheuropeana.eun.org/updates/europeana-education-competition-2020-winners/

1. [Great Men, Inventions, and Historical Interpretations](#)
2. [Life in the 50s](#)
3. [Representing nations as people](#)
4. [In what ways did Roman inventions affect later developments in European life?](#)
5. [Propaganda personified](#)
6. [How did the First Industrial Revolution Change Work Conditions in Producing Textile Goods?](#)
7. [Mathematical Minds](#)
8. [Coffee's Consequences](#)
9. [What was life like in medieval universities?](#)
10. [The precursors to the Reformation](#)
11. [What can we learn from the Ancient Greeks for democracy today?](#)
12. [How can religious art illustrate the ideological differences between Catholics and Protestants?](#)

Risk assessment

Risk	Likelihood of occurrence	Impact	Mitigation strategy
Long standing conversations with ministries of education that might not deliver concrete outcomes within Europeana DSI-4	High	Low	Keep in close contact; research potential needs of stakeholders; explore collaborations with other ministries of education
Lack of learning resources and content in specific languages	High	Medium	Development of multilingual learning resources; platform developments for multilingual experience

Reporting metrics: engage with educational communities

No.	Description	Measured by	Frequency	Target Y2	May 2020	Jun 2020	Jul 2020
KPI 3.1	Educational communities: learning resources	Total number of learning resources using Europeana data (cumulative per DSI year)	Monthly	200	170	250	376
KPI 3.2	Educational communities: external learning environments	Total number of representations of Europeana educational offers in external learning environments (cumulative per year)	Monthly	5	7	8	8

KPI 3.3	Satisfaction rate of educational communities	Net Promoter Score of teachers using Europeana (average per DSI year)	Monthly	66	65	65	65
RM 3.1	Educational communities: teachers involved	Total number of teachers actively involved in creating learning resources (cumulative per DSI year)	Once a year		-	-	Expect. Aug 2020
RM 3.2	Educational communities: countries reached	Total number of countries of contributing teachers actively involved in creating learning resources (cumulative per DSI year)	Once a year		-	-	Expect. Aug 2020
RM 3.3	Educational communities: MOOC participants	Total number of participants completing the MOOCs (cumulative per DSI year)	Upon completion of MOOC		668	668	668

In the reporting period, we could see an increase of learning resources using Europeana data as well as one new integration of Europeana educational offers in external learning environments (Institute of Educational Policy, Ministry of Education in Greece).
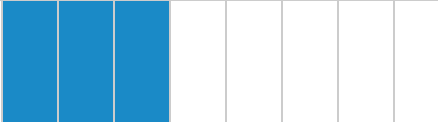
Task 3.2. Engage with academic research communities

Partners: EF, ATHENARC, and CLARIN

EF and AthenaRC increases the awareness of researchers of Europeana data as a trusted source of cultural heritage and its use to develop new knowledge and insights from our past, or to create new research methodologies. We continue the successful collaboration with CLARIN who already ingested Europeana data in their web service via our API. In addition to CLARIN, collaborations with other research infrastructures are further developed.

Overview of outcomes

Partner	Outcomes	Progress	Jun M22	Jul M23	Aug M24	Sep M25	Oct M26	Nov M27	Dec M28	Jan M29
Objective 3.2.1. Communication and dissemination to research communities										

EF, ATHENA RC	Europeana Pro communications (blogs)[55]	Ongoing	■■■■■■■■■
EF	Twitter: @Eurresearch[56]	Ongoing	■■■■■■■■■
Objective 3.2.2. Engage and nurture the Europeana Research community			
EF	Europeana Research advisory board [57]	Ongoing	■■■■■■■■■
EF	Europeana Research community coordination	Ongoing	■■■■■■■■■
EF	Research community TF: Research requirements[58]	80%	■■■■■■■
EF	Research Community: call for series of videos about digital projects at CHIs	10%	■■■■■
Objective 3.2.3. Increase the visibility and fit of Europeana collections and APIs for research			
CLARIN	Third Content integration in CLARIN VLO (evaluation, selection, integration) (MS88)	80%	■■■
AthenaRC	Research on community generated content initiatives	90%	■■■
EF	OCLC integration	70%	■■■■■■■
Objective 3.2.4. Establish strong synergies between the cultural heritage and research sectors			
AthenaRC	Co-organisation of digital panel on WWII digital collections	30%	■■■■
EF	Swedish National Heritage board events: series of webinars[59] (Europeana Research Grants programme)	100%	■
EF	Swedish National Heritage board events: workshop (Europeana Research Grants programme)	40%	■■■■■

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[55] https://pro.europeana.eu/pages/blog/news/markets/academic-research
[56] https://twitter.com/eurresearch?lang=en
[57] https://pro.europeana.eu/page/research-advisory-board
[58] https://pro.europeana.eu/project/research-requirements
[59]
https://pro.europeana.eu/event/webinars-on-digitalised-collections-2020-enriching-research-enriching-metadata-2

EF	University of Amsterdam events (Europeana Research Grants programme)	30%	
EF	Digital Repository of Ireland events (Europeana Research Grants programme)	50%	
EF	Launch of 2020 Research Grants	60%	
Objective 3.2.5. Leverage the opportunities offered by big innovation initiatives			
EF	Collaboration with EOSC and SSHOC project[60]	Ongoing	
EF	Collaboration with InDICEs project (participatory research methods and analysis).[61]	Ongoing	

Swedish National Heritage board events: series of webinars (Europeana Research Grants programme) - In response to the COVID-19 pandemic, EF and SNHB agreed to adjust the format of the three-day event initially foreseen. In collaboration with Uppsala University, SNHB organised a series of three webinars under the title 'Enrich Metadata - Enrich Research' - two sessions each webinar - as an anticipation of a two-day event that should take place in the Autumn 2020 or Spring 2021.[62] Among the speakers, there were scholars in the Digital Humanities field, who discussed concrete and potential forms of collaborations between researchers and CHIs to enrich digital collections held by the latter, and representatives from EF and EAF, who presented two GS projects and their potential for the reuse of digital cultural heritage in research. Statistics were quite encouraging: webinar 1 saw 118 unique attendees from 24 countries; webinar 2, 93 from 20 countries; webinar 3, 76 from 20 counties. 28 countries were represented, among which Australia, Canada, Indonesia, Israel, Japan Russian Federation, South Africa, USA.

Communication and dissemination activities

Partner	Name of event	Activity	Location	Date
EF	Heritage. Croatian EU Council Presidency	Participation in panel[63]	Online	2020-06-15/18

Risk assessment

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[60] https://www.sshopencloud.eu/ssh-open-marketplace
[61] https://pro.europeana.eu/project/indices
[62] https://www.youtube.com/playlist?list=PLKrB8_QR_fyGIStNdLwMX0dnqd6MCMh61. Note: currently only one webinar available online. The others are still in progress of editing (adding subtitles).
[63] http://heritage.uniri.hr/program/

Risk	Likelihood of occurrence	Impact	Mitigation strategy
CHIs are not aware of research development contributions	Medium	Low	All research developments should benefit CHIs, benefits should be communicated to CHIs, initiatives (conferences/workshops) to improve digital skills and literacy of CHI professionals
Digital collections do not comply with the FAIR principles[64]	High	High	Create awareness of the importance of the FAIR principles.
Research grants: events & outputs postponed	High	Low	The COVID-19 pandemic has obliged us to postpone all the in person events planned for March - June 2020 to autumn 2020 or spring 2021. This will cause a delay in delivering the related outputs, originally due by December 2020 at the latest.

Reporting metrics: engage with academic research communities

No.	Description	Measured by	Frequency	May 2020	Jun 2020	Jul 2020
RM 3.4	Research communities: events	Total number of events organised (cumulative per DSI year)	Bi-monthly	1	4	4
RM 3.5	Research communities: outcomes	Total number of outcomes delivered via the events (e.g. reports) (cumulative per DSI year)	Once a year	-	-	Expect. Aug 2020
RM 3.6	Research communities: event participants	Total number of people participated in events (cumulative per DSI year)	Once a year	-	-	Expect. Aug 2020
RM 3.7	Europeana Research: collaborations	Total number of representations of EF in international research infrastructures or projects (cumulative per DSI year)	Once a year	-	-	Expect. Aug 2020

In this period, we saw an increase of events organised (as part of the Research Grants programme).

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[64] Http s://www.go-fair.org/fair-principles/

Task 3.3. Engage with API consumers
Partners: EF

We will support the development of new products, services and creations with cultural data by providing easy access to relevant resources: high-quality reusable cultural heritage material and free APIs.

Overview of outcomes

Partner	Outcomes	Progress	Jun M22	Jul M23	Aug M24	Sep M25	Oct M26	Nov M27	Dec M28	Jan M29
EF	API engagement strategy	80%	■	■	■					

Reporting metrics: engage with API consumers

No.	Description	Measured by	Frequency	May 2020	Jun 2020	Jul 2020
RM 3.8	API usage	Number of API users that exceeded the average of 5 calls a day (REST API)	Monthly	58	64	60
RM 3.9	API usage	Number of API users that were active for more than 5 days in each month (REST API)	Monthly	54	65	51
RM 3.10	API usage	Total number of API users (REST API)	Monthly	195	188	185
RM 3.11	API usage	Number of API sign-ups (REST API)	Monthly	58	61	60
RM 3.12	API usage	Total number of requests (all APIs)	Monthly	140,927,477	115,611,634	66,556,629

In May/June we had an exceptionally high number of requests for the APIs. We expect that one particular user and some bots were responsible for the usage. In July the usage was the same as compared to previous months.

Work Package 4: Communication and Dissemination

Under this work package EF will undertake communications and dissemination activities to raise awareness of and promote Europeana and its services to cultural heritage institutions and aggregators as well as end-users (European Citizens).

Note: Communication and dissemination activities towards the education and academic research audiences are described under the tasks related to the sector under Work Package 3: Fostering reuse of digital cultural heritage resources.

Task 4.1. Engage with professionals in the cultural heritage sector

Partners: EF, and Lovegrove

The primary communications platform for this audience and our stakeholders is Europeana Pro[65]. Communication to CHIs and expert communities will be disseminated through a number of key channels including Twitter and LinkedIn expert groups.

Overview of outcomes

Partner	Outcomes	Progress	Jun M22	Jul M23	Aug M24	Sep M25	Oct M26	Nov M27	Dec M28	Jan M29
Objective 4.1.1. Communication and dissemination to CHIs and expert communities										
EF	Strategic messaging, engagement on Pro, publication of Pro News[66]	Ongoing	▓	▓	▓	▓	▓	▓	▓	▓
EF	Pro News theme: Europeana Strategy 2020-2025	100%	▓	█						
EF	Pro tourism hub & theme	50%	▓	▓	▓					
EF	Promotion and engagement of CHI professionals with, capacity-building workshops	100%	▓	█						
Objective 4.1.2. Develop a capacity-building framework around digital transformation										
EF	'Sense-making' report and workshops	100%	▓	█						
EF	Quick-scan report of 'digital transformation' and 'capacity building' practices in the market	100%	▓	█						
Objective 4.1.3. Engage and nurture the Europeana Communicators community[67]										
EF	Europeana Communicators community management	Ongoing	▓	▓	▓	▓	▓	▓	▓	▓
EF	Europeana Communicators: monthly newsletter[68]	Ongoing	▓	▓	▓	▓	▓	▓	▓	▓
EF	'Culture from Home' webinar series	100%	█							

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[65] https://pro.europeana.eu/
[66] https://pro.europeana.eu/blog
[67] https://pro.europeana.eu/network-association/special-interest-groups/europeana-communicators-group
[68] https://us3.campaign-archive.com/home/?u=ad318b7566f97eccc895e014e&id=a76d355759

EF	Webinar: 'Running webinars: what we've learnt so far'	100%
EF	Online social media event during Europeana 2020 conference	10%

Objective 4.1.4. Rewarding Europeana Pro experience

EF	Europeana Pro maintenance (bug fixing, refinement of features, accessibility)	Ongoing

Objective 4.1.5. Developing good practices for running events[69]

EF	Train the trainer: 'running effective & engaging online webinars'[70]	Ongoing
EF	Testing and refining event formats	Ongoing
EF	Guidelines for developing online activities - V1	100%

Objective 4.1.6. Delivering an inspiring and engaging Digital Programme[71]

EF	ENA & ENA communities: professional development webinars	Ongoing
EF	Europeana Lunch Cafe[72]	Ongoing
EF	Europeana 2020 Conference	25%
EF	Refining the digital programme & events section on Europeana Pro	75%

Pro News theme: Europeana Strategy 2020-2025 - Throughout June, four posts on Europeana Pro news introduced and explored the new Europeana Strategy 2020 – 2025.[73] After an introductory piece, each post focused on a different priority of the strategy, and included contributions from people who will be involved in delivering it. The articles received 870 views in total.[74] All of the articles included a call to action to explore the strategy in a dedicated summary page on Europeana Pro.[75] Since publication in April, this page has received 2,172 views.[76]

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[69] This objective was added (not in the implementation plan M18) to re-evaluate current practices in event planning also as response to the recent pandemic and our value to the sector towards digital transformation.
[70] https://pro.europeana.eu/event/running-webinars-what-we-ve-learnt-so-far
[71] See footnote 75 - we are developing news ways of interacting with our audiences online.
[72] The Europeana Lunch Café (ELC) is a monthly online social event for Europeana, ENA, EAF and related communities. It provides an opportunity for cultural heritage professionals to get to know and inspire each other, to reflect on specific but broadly formulated topics, and to exchange experiences.
[73] https://pro.europeana.eu/tags/strategy-2020-2025
[74] Total views of posts from their individual date of publication to 18 August 2020.
[75] https://pro.europeana.eu/page/strategy-2020-2025-summary
[76] Total views of the page from 14 April 2020 - 18 August 2020.

Promotion and engagement of CHI professionals with capacity-building workshops - In June and July we focused on promoting some early outcomes of the workshops in order to keep awareness of the project high and to get interested parties to sign up and to keep updated about the project. This consisted of 6 Pro news articles[77] and one Medium article[78], which received 2,687 views in total and 217 people who signed up to keep updated. We shared these articles on social media and tweeted about the project using #BuildDigitalCapacity[79].

'Sense-making' report and workshops and *Quick-scan report of 'digital transformation' and 'capacity building' practices in the market* - These two reports were both delivered in June and July. They are both rich in insight gathered from peer to peer workshops and interviews with leading practitioners. Currently, we are evaluating these reports internally and will use and publish insights in the coming weeks and months.

'Culture from Home' webinar series - A series of four webinars from April to June focused on the theme 'Culture From Home' focusing on the digital activities and initiatives that CHIs are implementing to reach audiences during the coronavirus pandemic. Individual sessions looked at social media (largely museums), libraries, archives and education. 500 individuals registered from 51 countries, 260 attended. More than half were not ENA members, which demonstrates a wide interest and reach. All webinars are available as lasting resources via Europeana Pro[80].

Webinar: 'Running webinars: what we've learnt so far' - this webinar was organised by Europeana Communicators in conjunction with the EF events team. The webinar invited some of the people behind the online events that Europeana and the ENA communities have led in the past few months to share their experiences. It also shared the first version of the Europeana guide to running virtual events. 125 people registered and 62 participated. 100% of post-webinar surveys agree that the event was interesting, useful and they would recommend it to others. Available as lasting resources via Europeana Pro[81].

Guidelines for developing online activities - V1[82] - This guideline[83] was designed to have a set of useful and usable guidelines for digital events organised by Europeana or organised in cooperation with Europeana. The guidelines are work-in-progress.

Reporting metrics: engage with professionals in the cultural heritage sector

No.	Description	Measured by	Frequency	May 2020	Jun 2020	Jul 2020

[77] https://pro.europeana.eu/page/building-digital-capacity
[78] https://medium.com/@Europeana/designing-europeanas-covid-19-sense-making-workshops-f14eb8e2016d
[79] https://twitter.com/search?q=%23BuildDigitalCapacity&src=typed_query&f=live
[80] https://pro.europeana.eu/page/europeana-communicators-group
[81] https://pro.europeana.eu/page/europeana-communicators-group
[82] https://pro.europeana.eu/post/europeana-launches-guide-to-organising-online-events
[83] https://pro.europeana.eu/post/eventguide

RM 4.1	Traffic to Europeana Pro	Number of visits to Europeana Pro per month	Monthly	26,574	24,034	20,009
RM 4.2	Returning visitors to Europeana Pro	Percentage of visitors returning to Europeana Pro	Monthly	33.8%	37.5%	36.4%
RM 4.3	New visitors to Europeana Pro	Total number of new visitors @nicjto Europeana Pro per month	Monthly	17,603	15,018	12,726
RM 4.4	Satisfaction rate for Europeana Pro	Net Promoter Score	Once a year	-	-	Expect. Aug 2020

In June and July we saw a drop of traffic to the Europeana Pro website. This is a theme we see every year. Compared to the same period in 2019, we have more traffic in 2020 with 7,688 visits more in June/July.

Task 4.2. Engage with European citizens

Partners: EF

Communication and dissemination to our end-users (European Citizens) aim to increase new visits and re-visits to the Europeana platform. The collections website is expected to receive a minimum of 500,000 visits per month.

Overview of outcomes

Partner	Outcomes	Progress	Jun M22	Jul M23	Aug M24	Sep M25	Oct M26	Nov M27	Dec M28	Jan M29
Objective 4.2.1. Communication and dissemination to European citizens										
EF	Marketing strategy and communication: newsletter and social media posts (Facebook[84], Twitter[85], Instagram[86], Pinterest[87])	Ongoing								
EF	Marketing strategy and partnerships (DailyArt, GIF IT UP)	Ongoing								
Objective 4.2.2. Development of editorial content										
EF, Consort	Editorial strategy, partner engagement, preparation and publication (blogs[88],	Ongoing								

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[84] https://www.facebook.com/Europeana/
[85] https://twitter.com/Europeanaeu
[86] https://www.instagram.com/europeana_eu/
[87] https://www.pinterest.de/europeana/
[88] https://blog.europeana.eu/

Owner	Activity	Status									
ium	galleries[89], exhibitions[90])		■	■	■	■	■	■	■	■	
EF	Generic Services editorial support (planning, advise, editing, publishing)	Ongoing	■	■	■	■	■	■	■	■	
EF	Discovering Europe season	70%	■	■	■	■					
EF, Consortium	François Crépin and the study of wild roses exhibition	100%	■	■							
EF	New translations of popular exhibitions	80%	■	■	■	■					
EF, Consortium	Byzantine Musical Instruments exhibition	80%	■	■	■						

François Crépin and the study of wild roses exhibition[91] - the exhibition was published on 29 July. It was created as part of the Generic services project Linking Biodiversity and Culture Information (LinBi)[92]. The exhibition profiles the work of the botanist François Crépin (1830-1903) and features the archival collections of the Meise Botanic Garden, Belgium.

Risk assessment: communication and dissemination to European citizens

Risk	Likelihood of occurrence	Impact	Mitigation strategy
Satisfaction rate for the Europeana website is low	Medium	Medium	Review europeana.eu user feedback and behaviour and take appropriate actions; monitor website performance; constant improvement of the Europeana website
Reach of Europeana data on social media: changes to the algorithms and pricing on social media platforms	Medium	Medium	Adaptation and diversification of channels, tools and platforms used

Reporting metrics: Engage with European citizens

No.	Description	Measured by	Frequency	Target Y2	May 2020	Jun 2020	Jul 2020
KPI 4.1	European citizens:	Total number of impressions on social media (Facebook,	Monthly	**250 million**	476,419,407	533,727,347	592,107,554

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[89] https://www.europeana.eu/galleries
[90] https://www.europeana.eu/exhibitions
[91] https://www.europeana.eu/en/exhibitions/francois-crepin-and-the-study-of-wild-roses
[92] https://pro.europeana.eu/project/linbi

	Reach on social media	Twitter, Pinterest, GIPHY, Instagram) (cumulative per DSI year)						
KPI 4.2	Satisfaction rate for exhibitions	Net Promoter Score (average per DSI year)	Upon release		53	54	54	54
RM 4.5	European citizens: social media engagement	Total number of likes, shares, comments per month (Facebook, Twitter, Pinterest, Instagram)	Monthly			569,890	473,734	445,302
RM 4.6	European citizens: social media followers/fans	Total number of followers on social media (Facebook, Twitter, Pinterest, Instagram)	Monthly			210,476	212,045	213,263
RM 4.7	Reach of Europeana data on Wikimedia	Total number of impressions on Wikimedia per month	Monthly			16,503,796	13,059,385	11,488,173
RM 4.8	European citizens: newsletter subscribers	Total number of newsletter subscribers	Monthly			49,709	49,561	49,364
RM 4.9	European citizens: newsletter engagement	Opening rate of the monthly newsletter	Monthly			23.40%	23.40%	21.70%
RM 4.10	European citizens: newsletter engagement	Click-through rate of the monthly newsletter	Monthly			3.10%	2.60%	2.60%
RM 4.11	Traffic to exhibitions	Number of visits to exhibitions per month	Monthly			64,192	21,338	13,222
RM 4.12	Editorial outcomes: exhibitions	Number of exhibitions created (cumulative per DSI year)	Monthly			7	7	8
RM 4.13	Traffic to blogs	Number of visits to blogs per month	Monthly			51,206	59,448	57,670
RM 4.14	Editorial outcomes: blogs	Number of blogs posts created	Monthly			52	107	118

| RM 4.15 | CHIs: content reuse | Number of institutions featured in editorials per month (exhibitions, blogs, galleries) | Monthly | | 178 | 160 | 314 |
| RM 4.16 | CHIs: content reuse | Number of countries of data providers presented in editorials per month (exhibitions, blogs, galleries) | Monthly | | 29 | 31 | 35 |

(Row above partially continued: "(cumulative per DSI year)")

Our two KPIs for engaging European citizens are performing well. In the reporting period, we saw a high amount of impressions of Europeana digital cultural content on social media and we also maintained a high NPS score with 54 for our exhibitions. We saw that some traffic and engagement numbers went down in the period. This might be related to the summer drop we experience every year.

Work Package 5: Animate and further enlarge the Europeana Network Association

WP5 facilitates the coordination and expansion of the Europeana network to promote capacity-building and cross-border collaboration between cultural institutions and professionals, as well as cultural and digital innovation.

Task 5.1 Engage and nurture the Europeana Network Association

EF will support the Europeana network, instituted and organised in the Europeana Network Association (ENA), its members council and management board, ENA task forces and working groups, as well as ENA communities.

Overview of outcomes

Partner	Outcomes	Progress	Jun M22	Jul M23	Aug M24	Sep M25	Oct M26	Nov M27	Dec M28	Jan M29
Objective 5.1.1. Communication and dissemination activities to ENA members										
EF	ENA: general support (agendas, meeting reports)	Ongoing								
EF	ENA monthly newsletter[93]	Ongoing								

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[93] https://pro.europeana.eu/resources/document-archive/newsletters-and-updates

EF	Europeana LinkedIn Group	Ongoing	
Objective 5.1.2. ENA governance			
EF	ENA Monthly management board meetings	Ongoing	
EF	WG: 2020 Governance working group	Ongoing	
EF	Members Council meeting	100%	
EF	ENA membership campaign	50%	
Objective 5.1.3. ENA task forces and working groups			
EF	General support (approval and evaluation process)	Ongoing	
EF	New task force: Audiovisual playout in Europeana	100%	
Objective 5.1.4. ENA communities			
EF	General support for ENA communities (process coordination)	Ongoing	

Members Council meeting - the second Members Council meeting of the year took place on 1-2 July 2020 in form of a webinar, with 31 attending Councillors. The objective of the meeting was to discuss the impact of Covid 19 on sector's accelerated digital transformation in relation to the work of the ENA and its communities. The Council also reflected on the use of budget, 2020 conference planning, rapidly growing membership, work of the ENA climate group, results of the ENA impact assessment survey, and ways to encourage inclusivity and diversity in the ENA.

New Task Force: Audiovisual Playout in Europeana[94] - the task force follows up on the developments of the Task Force Audiovisual Media in Europeana[95] and further investigates audiovisual playout possibility and capabilities for the Europeana platform and content providers based on new international developments and standards.

Risk assessment

Risk	Likelihood of occurrence	Impact	Mitigation strategy

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[94] https://pro.europeana.eu/project/audiovisual-playout-in-europeana
[95] https://pro.europeana.eu/project/audiovisual-media-task-force

Losing a high number of ENA members: membership campaign planned for 2020 will ask members to re-confirm their membership	Medium	Medium	Encourage re-confirmation by sending reminders, communicating the value of being an ENA member	
Task forces do not finish recommendations on time	High	Low	Manage expectations and be aware of potential impact for Europeana DSI; accommodate extension of task force work	
Community members show little activity and engagement	Medium	Low	Provide calls to action, meeting and webinars, useful tools and material, active information flow	

Reporting metrics: engage and nurture the Europeana Network Association

No.	Description	Measured by	Frequency	Target Y2	May 2020	Jun 2020	Jul 2020
KPI 5.1	Attraction of new Europeana Network Association members	Number of members in the ENA	Monthly	2,250	2,998	3,057	3,108
KPI 5.2	Satisfaction of the Europeana Network Association members with the ENA	Net Promoter Score	Once a year	35	-	31	-
KPI 5.3	Activity in the network	Number of active task forces per month	Monthly	5	6	7	8
KPI 5.4	Activity in the network	Number of active communities in the ENA	Monthly	4	6	6	6
RM 5.1	Activity in the network	Number of active members per month (TFs, WGs, MB, MC, Community SG)	Monthly	-	100	100	100
RM 5.2	Activity in the network	Number of active working groups per month	Monthly	-	2	2	2
RM 5.3	Outreach to the EuropeanaTech community (Mailing list, Twitter)	Number of people reached per month (subscribers, followers)	Bi-Monthly	-	5,567	-	5,710

RM 5.4	Outreach to the Europeana Research community (Mailing list, Twitter)	Number of people reached per month (subscribers, followers)	Monthly	-	4,498	-	4,773
RM 5.5	Outreach to the Europeana Education community (mailing list, LinkedIn, Facebook)	Number of people reached per month (subscribers, followers)	Monthly	-	4,749	-	5,322
RM 5.6	Outreach to the Europeana Copyright community (Mailing list, Twitter, newsletter)	Number of people reached per month (subscribers, followers)	Monthly	-	2,424	-	2,425
RM 5.7	Outreach to the Europeana Impact community (Newsletter, LinkedIn)	Number of people reached per month (subscribers, followers)	Monthly	-	1,001	-	1,149
RM 5.8	Outreach to the Europeana Communicators community (Newsletter, LinkedIn, mailing list)	Number of people reached per month (subscribers, followers)	Monthly	-	698	-	909

In the reporting period, the ENA and its communities continued to grow in members and people reached via our various communication channels. In particular, we had more ENA members joining the past months than usual. We will investigate this trend in the upcoming months. In June, we also concluded a satisfaction survey with ENA members. We collected 308 responses (a response rate of around 10.5%). 48% of respondents are considered 'promoters' of the Network, according to the NPS score they gave. We recorded an overall NPS score of 31.

Task 5.2. Europeana EU presidency events

Partners: EF

EF organises presidency events with the Member States holding the presidency of the Council of the EU in order to secure the network's outreach to EU Member States.

Overview of outcomes

Partner	Outcomes	Progress	Jun M22	Jul M23	Aug M24	Sep M25	Oct M26	Nov M27	Dec M28	Jan M29
EF	German Presidency event (MS56)	50%	■	■	■	■	■			

Reporting metrics: Europeana EU presidency events

No.	Description	Measured by	Frequency	May 2020	Jun 2020	Jul 2020
RM 5.9	Satisfaction with the Europeana EU presidency events	Percentage of surveyed participants that rate the event 4 or higher on a likert scale of 1-5 (average per year)	After every event	-	-	Expected Oct 2020

Work Package 6: Studying the impact of digitisation and reuse of cultural heritage

WP6 contributes to the study of the impact of digitisation and reuse of cultural heritage by investigating the status of digitisation in Europe, and by researching the added economic value of opening up cultural heritage resources for reuse.

Task 6.1. Statistics on digitisation of cultural heritage in Europe and study on the cost and funding (per MS) of digitisation of cultural heritage

Partners: DEN and EF

Costs of digitisation were one of the four themes of the ENUMERATE framework. Statistical data on costs and their development over time are available as a result of four core surveys (2012-2017), including funding, and used to indicate the economics behind digitisation of cultural collections in Europe. We will continue to develop the ENUMERATE dashboards in collaboration with Member State coordinators and stakeholders.

Overview of outcomes

Partner	Outcomes	Progress	Jun M22	Jul M23	Aug M24	Sep M25	Oct M26	Nov M27	Dec M28	Jan M29
Objective 6.1.1. Develop improved ENUMERATE dashboards & observatory										
No active outcomes in M22/M23.										
Objective 6.1.2. Undertake research into the costs & funding of digitisation										
DEN, EF	Study on the costs and funding of digitisation (MS58)	80%	■	■	■					

Risk assessment

Risk	Likelihood of occurrence	Impact	Mitigation strategy
No current risks identified.			

Task 6.2. Assess the impact of services that support the digital transformation of cultural heritage

Partners: DEN and EF

Under this task we develop impact assessment tools, assess our services and activate the Europeana Impact community[96]. We aim to better understand the economic and social impact of digital cultural heritage on people and what the Europeana Initiative can do to support the digital transformation of cultural heritage institutions.

Overview of outcomes

Partner	Outcomes	Progress	Jun M22	Jul M23	Aug M24	Sep M25	Oct M26	Nov M27	Dec M28	Jan M29
Objective 6.2.1. Develop research around the impact of Europeana services[97]										
EF	RightsStatements.org Consortium	50%	▣	▣	▣	▣	▣			
EF	Europeana Network Association 2020	80%	▣	▣	▣	▣				
EF	Europeana Digital Programming Series 2020	50%	▣	▣	▣	▣				
EF	National Workshops 2018-19	100%	■							
EF	Europeana Tech/ Europeana Foundation and IIIF implementation	90%	▣							
EF	Europeana Presidency Events 2019/20	90%	▣	▣	▣					
EF	Naturalis case study	75%	▣	▣	▣	▣				
EF	Europe at work season 2020	100%	■							
EF	Report on ten cases of impact (MS60)	100%	■							

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[96] https://pro.europeana.eu/page/europeana-impact-community

[97] By undertaking longitudinal research into the impact of the services offered by Europeana, we aim to develop a good understanding of the impact of our services, over the coming years. This research will be analysed and explored in dedicated milestones and D.2 deliverable (due August 2020). Subsequent reports will demonstrate the areas where Europeana services deliver impact, as well as observations of how this changes over time. The first report in this regard was prepared as MS60 (due June 2020) addressing the ten areas of research. Some of the case studies are already finished while others are in the final stages to be concluded.

Objective 6.2.2. Develop the impact playbook and toolkit										
EF	Europeana Impact Framework management	Ongoing								
EF	Update of Impact toolkit	Ongoing								
Objective 6.2.3. Engage and nurture the Europeana Impact community										
EF	Europeana Impact community management	Ongoing								
EF	New Professionals Task Force[98]	65%								
EF	Impact Lite Task Force[99]	10%								

National Workshops 2018-19 - there are many findings of interest. In one case, the national workshops and national level strategy both focused on improved data quality which resulted in visible improvements in data quality. We found that in many cases, participants apply what they learn, and there is a need for further practical and in depth training.

Europe at work season 2020 - we found that the season encouraged a sense of European connection for participating hosts and those contributing their stories. It brought local objects and stories to new, international audiences; created connections to partners across Europe; and for some, appeared to improve the standing or reputation of the host organisation. It strengthened collection day hosts' relationships with existing audiences and local partners.

Report on ten cases of impact (MS60) - this report sets out a number of findings and recommendations, drawing on the ten cases of impact. Across the research, five themes have emerged most strongly:

1. Economic impact can contribute to a holistic understanding of Europeana's services
2. Europeana demonstrates strong social impact in its services
3. Europeana has most impact as a convenor of sector professionals
4. Depth of experience and closer partnership working within Europeana initiative leads to stronger impact
5. Learning and organisational change are strong outcomes, but barriers to digital transformation cannot be solved by Europeana alone

Risk assessment

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[98] https://pro.europeana.eu/project/new-professionals
[99] https://pro.europeana.eu/project/impact-lite

Risk	Likelihood of occurrence	Impact	Mitigation strategy
Assessments cannot be completed on time due to external factors during the process (e.g. insufficient data collection)	High - updated because of Covid-19	High	Involve internal stakeholders and members of the network to provide motivation and opportunity to support this work to ensure a timely completion. Set out work to date and a framework and plan (including surveys, etc) in which impact assessment might be completed at a later date, for those impact assessments where it is felt that communication with the sector is affected.
Impact toolkit is not being used	Low	Medium	Work with the community to help people learn how to use it and to make it more accessible for them to use. Develop a question bank to make the process of using the toolkit even more accessible.

Task 6.3. Cost-benefit analysis

Partners: EF

As part of this contract, EF will subcontract an expert to develop a cost-benefit analysis on Europeana DSI. The work on this task will start after August 2020.

Partner	Outcomes	Progress	Jun M22	Jul M23	Aug M24	Sep M25	Oct M26	Nov M27	Dec M28	Jan M29
No activities in M22/M23.										

Work Package 7: Governance

Partners: EF

Under WP7 EF reports to the European Commission, the Expert Group on Digital Cultural Heritage and Europeana (DCHE)[100] and its sub-groups the status of the Europeana DSI platform, activities and developments as well as re-prioritise developments of the platform based on received feedback and validation with users.

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[100] https://ec.europa.eu/digital-single-market/en/expert-group-digital-cultural-heritage-and-europeana-dche

Partner	Outcomes	Progress	Jun M22	Jul M23	Aug M24	Sep M25	Oct M26	Nov M27	Dec M28	Jan M29
No activities in M22/M23.										

Work Package 8: Phasing-in and phasing-out periods

The objectives of this WP are to provide correct and up-to-date information to the European Commission on assets and liabilities related to Europeana DSI and to test phasing-out and transfer processes to a successor supplier.

Partner	Outcomes	Progress	Jun M22	Jul M23	Aug M24	Sep M25	Oct M26	Nov M27	Dec M28	Jan M29
No activities in M22/M23.										

Work Package 9: Project and Programme Management

Task 9.1. Project management of Europeana DSI-4
Partners: EF

Overview of outcomes

Partner	Outcomes	Progress	Jun M22	Jul M23	Aug M24	Sep M25	Oct M26	Nov M27	Dec M28	Jan M29
EF	Programme management	Ongoing	■	■	■	■	■	■	■	■
EF	B.1 Implementation plan M24	70%	■	■	■					
EF	B.2/B.3 Periodic reports M22	100%	■							
EF	D.2 Study on impact of digitisation and reuse of cultural heritage	70%	■	■	■					

B.2/B.3 Periodic reports M22[101] - In June, we delivered a periodic report to EC, reporting on progress and outcomes achieved in the period between April and May 2020.

Risk assessment

Risk	Likelihood of occurrence	Impact	Mitigation strategy

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[101] Available on the Europeana DSI-4 project page in the document section.
https://pro.europeana.eu/project/europeana-dsi-4

Individual outcomes require more work than anticipated which might affect other outcomes committed to in the tender	Medium	Medium	Careful planning of efforts and resources needed for individual work, communication and awareness building of challenges, agreeing on priorities
Additional work or extended scope of work is done which might affect other outcomes committed to in the tender	High	Medium	Management of expectations towards individual outcomes, communication and awareness building of challenges, agreeing on priorities

Communication and dissemination activities

Partner	Name of event	Activity	Location	Date
No activities in M22/M23.				

Balance of efforts

The Balance of efforts table states the percentages of resources allocated to each of the nine work packages of Europeana DSI-4. The numbers are stated cumulative.

Work package	Foreseen % of the full contract value in the tender	Year 1[102]	Sep 19	Nov 19	Jan 20	Mar 20	May 20	Jul 20
WP1: European DSI platform	**57.10%**	55.78%	52.18%	50.66%	52.02%	54.64%	55.23%	54.17%
WP2: Content supply	**10.95%**	10.9%	13.40%	11.57%	11.05%	10.40%	10.17%	11.44%
WP3: Content reuse	**9.69%**	10.33%	10.98%	9.93%	9.55%	8.69%	8.59%	8.29%
WP4: Communication and dissemination	**8.93%**	8.04%	8.21%	7.62%	8.05%	8.70%	8.81%	9.40%
WP5: Europeana	**6.44%**	7.75%	7.75%	12.91%	11.55%	9.78%	9.21%	8.64%

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[102] The balance of efforts is calculated per year. Numbers reflect the balance of effort for the first year of Europeana DSI-4 (September 2018 - August 2019). Balance of efforts for year two will be reported on bi-monthly.

Network Association								
WP6: Impact of digitisation and reuse of cultural heritage	**1.32%**	1.16%	1.11%	1.59%	1.78%	1.93%	1.97%	2.04%
7. Governance	**1.96%**	0.36%	0.24%	0.46%	0.33%	0.29%	0.24%	0.23%
8. Phasing-in and phasing-out period	**0.50%**	0.02%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%
9. Project and programme management	**3.11%**	5.66%	6.13%	5.26%	5.67%	5.57%	5.78%	5.79%
Total	**100%**	**100%**	**100%**	**100%**	**100%**	**100%**	**100%**	**100%**

Deviations, change requests and adjustments

Derivations and adjustments to milestones and deliverables are stated in <u>Annex: Updates towards milestones</u> and <u>Annex: Progress on deliverables (M1-M24)</u>.

Major changes in staff, if applicable

No updates for M22/M23.

Task 9.2. Relations with Europeana DSI Generic Services projects

Partners: EF

EF maintains regular contact with the funded Europeana DSI Generic Services (GS) projects (e.g. via Basecamp groups) and supports them with ingestion of content and metadata (if applicable), consultation on the Europeana frameworks, policy and development guidelines, tool integration into Europeana CSP and dissemination of the project results. Specific work undertaken in the reporting period is described in the respective subject areas of this report (e.g. technical developments, editorial contributions).

Overview of outcomes

Partner	Outcomes	Progress	Jun M22	Jul M23	Aug M24	Sep M25	Oct M26	Nov M27	Dec M28	Jan M29
EF	Programme coordination	Ongoing	■	■	■	■	■	■	■	■
EF	Space on Europeana Pro promoting tools developed under GS projects	90%	■	■	■					

EF	Opening Up Historiana[103]	100%	■								
EF	Judaica Europeana 2.0[104]	N/A[105]	■	■	■	■	■	■	■	■	
EF	LinBi[106]	N/A	■	■	■	■	■				
EF	Europeana Archaeology[107]	N/A	■	■	■	■	■				
EF	Europeana Common Culture[108]	80%	■	■	■	■	■	■	■		
EF	Europeana XX[109]	30%	■	■	■	■				■	
EF	Europeana Pagode[110]	N/A	■	■	■	■	■	■	■	■	

Opening Up Historiana - Opening up Historiana[111] aimed at improving the user experience of educators who create eLearning resources with materials available through Europeana. The project expanded the existing functionality of Historiana[112], a website made by and for history educators across Europe. The project developed an eActivity Builder[113], a tool that allows users to create online learning resources with Europeana cultural heritage content. The Activity Builder tool is featured on the Europeana Classroom[114] for the benefit of DSI educational audiences.

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[103] https://www.euroclio.eu/project/opening-up-historiana/
[104] https://www.jhn.ngo/judaica-europeana-20/
[105] In projects marked with N/A (not applicable) we are neither partners nor project coordinators. Therefore, a progress indication is not provided.
[106] https://linbi.eu/
[107] https://pro.europeana.eu/project/europeana-archaeology
[108] https://pro.europeana.eu/project/europeana-common-culture
[109] https://pro.europeana.eu/project/europeana-xx
[110] https://pro.europeana.eu/project/pagode-europeana-china
[111] https://pro.europeana.eu/project/opening-up-historiana
[112] https://historiana.eu/
[113] https://historiana.eu/builder
[114] https://www.europeana.eu/en/europeana-classroom

Annex: Updates towards milestones

This section states milestones to be delivered in June 2020 (M22) and July 2020 (M23). In grey the immediate previous reached milestones (M-2) and next (M+1) are added to provide context. Explanations for the individual milestones are described in the respective sections as outcomes.

MS No.	WP	Description	Verification	Status
M18 - February 2020				
MS69	WP1	Review of as-is architecture landscape	Milestone document delivered	Delayed, expected in Aug 20 - M24 (confirmed by EC)
M20 - April 2020				
MS9	WP1	Rightsstatements.org Business Plans 2019	Business plan published	Done
MS16	WP1	Digital process for consent in place	Digital process for consent in place	Done
MS35	WP2	Train the trainers day	Confirmation by WP leader	Done, May 20 - M21 (confirmed by EC)
MS38	WP2	Europeana Aggregators' Forum meeting	Meeting took place	Done, May 20 - M21 (confirmed by EC)
MS45	WP3	eLearning activities	eLearning activities delivered	Done, Jul 20 - M23 (confirmed by EC)
MS48	WP3	Strategic Plan for Europeana Research	Strategic Plan ready	Done
MS58	WP6	Study on the costs and funding of digitisation	Study ready	Delayed, expected in Aug 20 - M24 (confirmed by EC)
MS90	WP4	Chatbot integration	Chatbot integrated	Done
M21 - May 2020				
MS50	WP3	Europeana Match funding programme	Europeana Match funding programme initiated	Cancelled[115] (confirmed by EC)
MS56	WP5	Europeana EU presidency events	Confirmation of the WP leader that meeting took	Cancelled[116] (confirmed by EC)

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[115] Match funding is a method of co-investment of the crowd and a private/public institution. We offered the opportunity for match funding under Europeana DSI-4, especially for the creative industries market. In line with the strategic focus on CHIs and the higher priority of other markets (for example, education), we reduced our effort on the creative industries market.
[116] Event is cancelled due to Corona.

			place	
MS81	WP1	Metis Sandbox MVP	Metis Sandbox MVP ready	Done
MS82	WP1	Publication of schema.org for item pages	Schema.org for item pages published	Delayed, expected in 2021[117] (confirmed by EC)
MS83	WP1	Establish Client and User Authentication	Client and User Authentication established	Done
M22 - June 2020				
MS5	WP1	IIIF harvesting implemented	Confirmation by WP leader	Done
MS7	WP1	Report on implementing a metadata quality framework	Report available	Delayed, expected in Aug 20 - M24 (confirmed by EC)
MS39	WP3	Meetings of the teacher ambassador network	Confirmation of the WP leader that meeting took place	Cancelled[118] (confirmed by EC)
MS60	WP6	Report on 10 cases of impact	Reports ready	Done
MS86	WP3	Europeana Education competition 2020	Europeana Education competition 2020 initiated	Done
MS92	WP4	Sport season initiated	Sport season initiated	Delayed, expected in 2021[119] (confirmed by EC)
M23 - July 2020				
MS25	WP1	Report on user interface satisfaction surveys	-	Done[120]
MS30	WP1	Overview of data providers that have signed the new DEA	List presented in periodic report	Done
MS85	WP1	Research report into the needs of CHI with differing levels of copyright knowledge and resource	Report ready	Done
M24 - August 2020				

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[117] Outcome will be added to B.1 Implementation plan M24.
[118] EUN organises the teacher ambassador network. As part of this work EUN planned to organise a meeting. Due to the current COVID-19 pandemic, EUN cancelled all events planned until the end of the year. This means that the meeting planned did not take place.
[119] Outcome will be added to B.1 Implementation plan M24.
[120] EF reported and will report on user interface satisfaction surveys in the B.2/B.3 and C.2/C.3 deliverables.

MS11	WP2	Review of the data quality plans	Confirmation by WP leader	Delayed, expected on 11 September (confirmed by EC)
MS15	WP2	Overview of new (potential and proposed) content providers per Aggregating Partner	List of new content providers ready	Expected in time
MS31	WP1	Review of rights information	Confirmation by WP leader	Expected in time
MS32	WP1	Functionality for third parties to publish exhibitions and galleries in place	Confirmation by the PO	Expected in time
MS34	WP1	Updated source code on GitHub	-	Done[121]
MS36	WP2	List of aggregator specific events	List of events ready	Expected in time
MS46	WP3	Fit for education case study	Case study ready	Expected in time
MS52	WP4	3-4 Transcribathons organised	Confirmation by WP leader	Expected in time
MS61	WP6	Cost-benefit analysis on Europeana	Study ready	Delayed to 2021/2022[122] (confirmed by EC)
MS71	WP3	60 new learning scenarios integrating Europeana resources	Confirmation by WP leader	Expected in time
MS77	WP2	Updated statistics dashboard (V2)	Confirmation by WP leader	Delayed, expected in Oct 20 - M26[123] (confirmed by EC)
MS87	WP3	Promotion videos created	Promotion videos created	Expected in time
MS88	WP3	VLO content integration	VLO content integrated	Expected in time
MS89	WP1	API engagement strategy	API engagement strategy ready	Expected in time
MS91	WP4	FAQ (Europeana Pro)	FAQ database added	Delayed, expected in Oct 20 - M26[124] (confirmed by EC)

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[121] EF updated and will update the source code upon every deployment. Updates are done almost daily. https://github.com/europeana
[122] Outcome will be added to B.1 Implementation plan M36.
[123] Outcome will be added to B.1 Implementation plan M24.
[124] Outcome will be added to B.1 Implementation plan M24.

Annex: Progress on deliverables (M1-M24)

This table states progress on deliverables and what deliverables were submitted to EC.[125]

ID	Description	Due month	Done	Due
A.1	Platform reports	Every 10 months, starting M10	M10, M20 Delivered to EC	-
B.1	Implementation Plan	Every 6 months, starting M1	M1, M6, M12, M18, M24 Delivered to EC	-
B.2/ B.3	Periodic reports	Every 2 months, starting M2	M2, M4, M6, M8, M10, M12, M14, M16, M18, M20, M22, M24 Delivered to EC	-
B.4	Annual report	Every 12 months, starting M12	M12 Delivered to EC	M24, expected due date on 11 September 2020
B.5	Final report	Last month of the contract (M24) or M36/48 in case of renewals		
C.1	Technical documentation	Every 9 months, starting M9	M9, M18 Delivered to EC	-
C.2/ C.3	Users and usage report	Every 5 months, starting M5	M5, M10, M15, M20 Delivered to EC	-
C.4	Stress and disaster recovery test reports	Every 9 months, starting M9	M9, M18 Delivered to EC	-
D.1	Communication and dissemination plan	Every 9 months, starting M1	M1, M9, M18 Delivered to EC	-
D.2	Study on impact of digitisation and reuse of cultural heritage	M14 M24	M14, M24 Delivered to EC	-
E.1	Transfer of assets and liabilities report	M1, M10 (for E.1 and E.2) and M1, M6, M12 (for E.3) and then for all: 4	M1, M10 Delivered to EC	4 months before the contract ends (M20, April 2020) or M32 (April 2021)/44

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[125] Note: the schedule of deliverables was updated in January 2020.

E.2	Transfer process report	months before the contract ends (M20, April 2020) or M32 (April 2021)/44 (April 2022) in case of renewals	M1, M10 Delivered to EC	(April 2022) in case of renewals
E.3	Employed staff report		M1, M6, M12 Delivered to EC	

Annex: Glossary of terms

Formal definitions of terms used frequently are detailed in the glossary of terms[126] on Europeana Pro. Additional terms are listed below.

DC	Dublin Core (DC) is a small set of vocabulary terms that can be used to describe digital resources (video, images, web pages, etc.), as well as physical resources such as books or CDs, and objects like artworks.
eCloud	eCloud is a cloud-based infrastructure that allows to efficiently store, share and provide access to digital cultural heritage. The data storage part of eCloud relies on the Cassandra database.
eCloud component: IIIF image server	The IIIF image server allows to efficiently store, share and provide access to IIIF images as one component of eCloud.
ELK	'ELK' is the acronym for three open source projects: Elasticsearch, Logstash, and Kibana. ELK enables the collection, storage, search and visualisation of log data.
Entities	Entities (such as persons, topics and places) are part of the Europeana Entity Collection, a collection of entities in the context of Europeana harvested from and linked to controlled vocabularies, such as Geonames, Dbpedia and Wikidata.
Entity pages	Entity pages showcase related entities towards persons, topics and places. For example: https://www.europeana.eu/portal/en/explore/people/61016-alphonse-mucha.html
Entity API	The Entities API allows to search on or retrieve information from named entities.
MARC21	Format for Bibliographic Data
Metis	Data and aggregation infrastructure through which allows to import, transform, validate and enrich metadata. https://metis.europeana.eu/home

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[126] https://pro.europeana.eu/resources/standardization-tools/glossary

Metis component: Link Checking service	This service allows the checking of links in the EDM data during the aggregation process (when the data is imported the first time but also after it has been published).
Metis component: Media service	This service is responsible for technical metadata extraction and thumbnail generation.
MINT	Mapping tool to define semantic mappings between source and target schemas.
Mongo database	MongoDB is a document database that stores the Europeana data in JSON-like documents. The Europeana APIs relies on Solr to search for records while the metadata associated to those data comes from Mongo.
Newspaper full-text service	This service allows to search for a term in the full-text of newspapers .
Schema.org	Webmasters use this shared vocabulary to structure metadata on their websites and to help search engines understand the published content, a technique known as search engine optimization. https://en.wikipedia.org/wiki/Schema.org
Solr index	It is the search engine powering the Europeana Collections portal. Apache Solr is an open-source platform used at Europeana for full-text (e.g. metadata) index and search.
UIM infrastructure	The United Ingestion Manager is the suite of tools used to run the data aggregation activities prior to Metis.