



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

CONTRACT NUMBER - LC - 00822914

**DELIVERABLE**

**B.2/B.3 Periodic report M26**

<b>Revision</b>	1.1
<b>Date of submission</b>	31 October 2020
<b>Author(s)</b>	Julia Schellenberg, Europeana Foundation
<b>Dissemination Level</b>	Public



Funded by  
the European Union

# REVISION HISTORY AND STATEMENT OF ORIGINALITY

## Revision History

Revision No.	Date	Author	Organisation	Description
0.1	19-10-2020	Dasha Moskalenko, Antoine Isaac, Hugo Manguinhas, Andrea Zandarin, Douglas McCarthy, Isabel Crespo, Jolan Wuyts, Henning Scholz, Fiona Mowat, Andy Neale, Julia Fallon, Gina van der Linden, Zuzana Malicherova, Ariadna Matas, Shadi Ardalan, Alba Irollo, Michelle Lewis, Julia Schellenberg	Europeana Foundation	Draft
1.0	31-10-2020	Julia Schellenberg	Europeana Foundation	Final version
1.1	20-11-2020	Julia Schellenberg	Europeana Foundation	Updates based on EC comments

Periodic reports can be viewed and accessed online in the document section on the Europeana DSI-4 project page<sup>1</sup>.

Europeana DSI-4 is funded by the European Union's Connecting Europe Facility. It is operated by a consortium led by the Europeana Foundation, under a service contract with the European Commission, contract number LC - 00822914.

The European Commission does not guarantee the accuracy of the information and accepts no responsibility or liability whatsoever with regard to the information in this document. Neither the European Commission, nor any person acting on the European Commission's behalf, is responsible or liable for the accuracy or use of the information in this document.

This deliverable contains original unpublished work except where clearly indicated.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.

---

<sup>1</sup> <https://pro.europeana.eu/project/europeana-dsi-4>

# TABLE OF CONTENTS

<b>Highlights</b>	<b>4</b>
<b>Introduction</b>	<b>5</b>
<b>Abbreviations</b>	<b>6</b>
<b>Work package 1: Strengthen the infrastructure</b>	<b>7</b>
Task 1.1. Easy data publishing	7
Task 1.2. Europeana website experience	8
Task 1.3. Reliable platforms	12
Task 1.4. Discoverability of digital cultural content	14
<b>Work package 2: Improve data quality</b>	<b>22</b>
Task 2.1. Quality assured data	22
Task 2.2. Enriched data	30
<b>Work package 3: Build capacity</b>	<b>32</b>
Task 3.1. Build capacity of aggregators and professionals	32
Task 3.2. Nurture networks	36
Task 3.3. Strengthen national infrastructures	44
<b>Work package 4: Programme management</b>	<b>47</b>
Task 4.1. Programme management of Europeana DSI-4	47
Task 4.2. Relations with Europeana Generic Services projects	49
Task 4.3. Governance (DCHE)	51
Task 4.4. Phasing-in and phasing-out periods	51
<b>Annex: Outcome update B.2/B.3 Periodic report (M24)</b>	<b>52</b>
<b>Annex: Updates towards milestones</b>	<b>58</b>
<b>Annex: Progress on deliverables (M25-M36)</b>	<b>60</b>
<b>Annex: Glossary of terms</b>	<b>61</b>

## Highlights

A new version of Metis was released including improved depublication features, normalisation of media URIs, and identification of duplicate records during the data import.

In this period we completed the internal release of the user-login functionality. The functionality allows users to log-in to Europeana, like items and create galleries.

Social media engagement (almost 670,000 likes, shares, comments) was particularly high in August, with the Discovering Europe season in full swing, and extra budget allocated to translating and promoting exhibitions and season editorial.

In August we closed Europeana DSI-4 year 2 with 442 new educational learning resources created. We also recorded the number of educators actively involved in creating learning resources working in collaboration with EUN. We saw that 2,032 teachers from 37 countries were involved in this activity in the past Europeana DSI-4 year (Sep 2019 - Aug 2020).

In the reporting period, we updated 87 datasets and over 2.6 million records (including newly created and updated datasets and records). This contributed to an increase of high quality content (tier 2+) by 0.82% and an increase of high quality and reusable content (tier 3+) by 0.62%.

We designed a programme<sup>2</sup> consisting of a diverse range of webinars for professionals (i.e. education, copyright, engaging audiences, impact, research). Webinars were already organised or are planned for the upcoming year. In the reporting period, EF held four events for professionals reaching 220 people covering themes such as rights, social media engagement and impact.

In August, CLARIN concluded the third content integration into their virtual language observatory (VLO). This integration increased the number of Europeana resources in the CLARIN VLO to over 175,000 records<sup>3</sup>.

In the period, we published the *Europeana strategy to manage copyright 2020+*<sup>4</sup> which provides clarity on the objectives that Europeana works towards when it comes to copyright, aligned with the Europeana Strategy 2020-2025 Empowering Digital Change.

---

<sup>2</sup> <https://pro.europeana.eu/page/webinars>

<sup>3</sup> <https://vlo.clarin.eu/search;jsessionid=F40D46F5F8AC84E7E286129386FF501C?0&fq=dataProvider:Europeana&fqType=dataProvider:or>

<sup>4</sup> <https://pro.europeana.eu/post/europeana-copyright-2020-2025>



# Introduction

The periodic report describes work carried out under Europeana DSI-4 from 1 August 2020 (M24) until 30 September 2020 (M25) based on the implementation plan (B.1 deliverable M18 and M24). The report is organised in four work packages (WP), one work package for each of the three priorities of the Europeana strategy 2020-2025<sup>5</sup>. The three strategic priorities are: Priority #1: Strengthen the infrastructure; Priority #2: Improve data quality; and Priority #3: Build capacity. The fourth work package reports on programme management efforts and the balance of efforts. All outcomes the consortium worked on in the reporting period are stated in the overview of outcomes with completion rate and expected due date. In case an outcome ends in the reporting period a description is added that highlights the objective and result of the outcome and its value for Europeana DSI. For each task associated risks are stated and Key Performance Indicators (KPIs) as well as other reporting metrics are presented and discussed in case of notable changes.

**Note:**

*In the reporting period year 2 of Europeana DSI-4 ended (August 2020) and year 3 started (September 2020). Between August and September the structure of the work plan changed. [Annex: Outcome update B.2/B.3 Periodic report \(M24\)](#) was added to give an overview of the outcomes that were still in progress in B.2/B.3 Periodic report M24. During the transition of structure some outcomes were adjusted or are now covered under updated outcome descriptions. Explanations for all outcomes that were still open in the previous report were added to the annex to indicate any adjustments. Open work that was neither adjusted nor is covered by any outcome in the new structure was added back to the main report in the respective section. Additionally the metrics framework was updated in the reporting period. Cumulative metrics for year 3 start to be recorded from 1 September onwards, therefore you will see a switch in the metrics tables between August and September for cumulative metrics. Some metrics were introduced recently in the updated metrics framework and start to be tracked from 1 September onwards.*

**Explanatory notes for tables reporting - colour codes**

	Outcomes as stated in the implementation plan <sup>6</sup>
	Colour blue indicates the expected timeframe of the outcome
	Colour black indicates that an outcome ended in the reporting period
%	Progress until end of current reporting period

<sup>5</sup> <https://pro.europeana.eu/page/strategy-2020-2025-summary>

<sup>6</sup> Throughout the year, the consortium may start to work on additional outcomes that should be highlighted in the report - those outcomes keep a transparent background. Outcomes as stated in the implementation plan are marked with light blue background to be able to refer back to the initial implementation plan.

# 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
EFHA	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
DSI AGG	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

Formal definitions of terms used frequently can be found in [Annex: Glossary of terms](#).

## Work package 1: Strengthen the infrastructure

WP1 maintains and continuously improves Europeana DSI's main services and functionality. WP1 is focused on an easy and rewarding data publishing process (task 1.1.), a satisfying website experience for our users (task 1.2.), and a reliable and high performing platform infrastructure (task 1.3.). The work package also provides engagement activities for users to discover Europeana's digital cultural content (task 1.4.).

### **Task 1.1. Easy data publishing**

**Partners:** EF, PSNC

Europeana DSI-4 offers a fully functional data and aggregation infrastructure through Metis (<https://metis.europeana.eu/>), which allows EF to import, transform, validate and enrich metadata for aggregators. The focus for the year revolves around implementing part one of the aggregation strategy by speeding up and enhancing the reliability of the publishing process (objective 1.1.1.) and releasing the Metis Sandbox (objective 1.1.2.) which creates new ways of publishing through Europeana.

*Overview of outcomes: easy data publishing*

Partner	Outcomes	Progress	Au M24	Sep M25	Oct M26	Nov M27	Dec M28	Jan M29	Feb M30	Mar M31
<b>Objective 1.1.1. Extend and maintain Metis</b>										
EF, PSNC	Metis upgrades and performance are maintained (bugs fixing, infrastructure upgrades, refinement of existing features) - 50% of effort in M24/M25	Ongoing	█	█	█	█	█	█	█	█
EF	Existing enrichment service upgraded	20%	█	█	█	█	█			
EF, PSNC	Incremental update process established	Not started								
EF, PSNC	Scheduling of aggregation workflows established	Not started								
EF	Normalisation URIs	100%	█							
EF	Metis V2	100%	█	█						
<b>Objective 1.1.2. Enable Metis Sandbox</b>										
EF	Public release of Metis Sandbox	20%	█	█	█	█	█	█	█	█
EF, PSNC	Metis Sandbox data sources extended	Not started								

EF, PSNC	Fast track publishing workflow enabled	Not started									
----------	--	-------------	--	--	--	--	--	--	--	--	--

*Normalisation URIs* - Metis now checks media links (found in *edm:object, isShownBy, isShownAt and hasView* ) for invalid characters that may cause those links to be broken and therefore are not accessible. During the normalisation workflow step these links are updated by escaping the invalid characters according to the rules defined for URIs (or IRIs<sup>7</sup> (the extension to URIs<sup>8</sup> to support characters beyond the ASCII character set)).

*Metis and eCloud V2* - A new version of Metis was released allowing the features developed during the summer and in September to be available in the Metis Production environment. It includes among others:

- the possibility for a Metis user to depublish full datasets or only records from the Metis user interface
- the normalisation of media URIs mentioned above
- the identification of duplicate records during the data import

*Risk assessment: easy data publishing*

Risk	Likelihood of occurrence	Impact	Mitigation strategy
The work planned for this next DSI period may require more preparation of requirements analysis and design than envisaged which may delay implementation.	High	Medium	The work needs to be planned in smaller iterations which means that the products (such as Metis or the Sandbox) may not have all the expected functionalities implemented at once.
The Generic services are bringing extra requirements for data ingestion that require modifications in Metis.	High	Medium	The roadmap needs careful management and amendment if needed. Further discussion will take place with projects to better understand their requirements, and any conflicts with the DSI will be discussed with the Commission.

**Task 1.2. Europeana website experience**

**Partners:** EF, AIT Vienna

The Europeana website ([www.europeana.eu](http://www.europeana.eu)) is the single multilingual access point to digital resources of European heritage. This year we aim to see the website maintain 500,000 visits a month (KPI 1.1) with a 15% user return rate (KPI 1.2). To achieve this, the

<sup>7</sup> <https://www.ietf.org/rfc/rfc3987.txt>

<sup>8</sup> <https://tools.ietf.org/html/rfc3986>

consortium maintains and continuously improves the website with a focus on a satisfying experience for users. We will add more user engagement features to attract more return visitors (objective 1.2.1.). Improvements to search are a key aspect of website experience that we will continue to invest in (objective 1.2.2.). The extension of features to support the new multilingual strategy are also critically important for reaching and retaining new audiences (objective 1.2.3.).

*Overview of outcomes: Europeana website experience*

Partner	Outcomes	Progress	Aug	Sep	Oct	Nov	Dec	Jan	Feb	Mar
			M24	M25	M26	M27	M28	M29	M30	M31
EF	Europeana website usability and performance maintained (bugs fixing, security & software updates) - 20% of efforts in M24/M25	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	95%	█	█	█	█				
<b>Objective 1.2.1. Extend user engagement features</b>										
EF	Europeana website usability and performance maintained (bugs fixing, security & software updates) - 20% of efforts in M24/M25	Ongoing	█	█	█	█	█	█	█	█
EF, AIT Vienna	Public release of user-created collections (with recommendations)	50%	█	█	█	█	█			
EF	Process of automated updates to Collections section in place	20%	█	█	█	█	█	█	█	█
EF	Visitor feedback mechanism upgraded	20%	█	█	█	█	█	█	█	█
EF	Publication of schema.org for item pages	Not started								
EF, AIT Vienna	Browse by organisations is supported (new entity type)	Not started								
EF	Users can log-in to Europeana, like items and create galleries (internal release)	100%	█							
EF	Item page updated (media viewers, multilingual metadata, full-text, related entities)	95%	█	█	█	█				
<b>Objective 1.2.2. Deliver better search experience</b>										
EF	Search relevance and performance maintained	Ongoing	█	█	█	█	█	█	█	█

EF	Public release of search within newspaper pages	80%	■	■	■								
EF	Updated search strategy delivered	60%	■	■	■	■	■						
EF	Methodology for evaluating search effectiveness designed	Not started											
EF	Search performance evaluation completed	Not started											
<b>Objective 1.2.3. Extend multilingual reach</b>													
EF	Data shared from Nordic CHIs for the ELRC shared task	40%	■	■	■	■	■	■	■	■	■	■	■
EF	Metrics to measure improvements to the multilingual experience confirmed	Not started											
EF	Construction and translation of multilingual search string validated (experiment)	Not started											
EF	Multilingual search designs prove to be usable and understood by users (user research)	Not started											
EF	Real-time translation of item page metadata from English validated (experiment)	Not started											
EF	Multilingual item page designs prove to be usable and understood by users (user research)	Not started											
EF	Users can view item pages in language of choice (implementation)	Not started											
EF	Candidate machine translation services for metadata selected	Not started											

*Users can log-in to Europeana, like items and create galleries (internal release)* - in this period we completed the internal release of the user-login functionality (work was done in collaboration with Europeana XX project).

*Reporting metrics: Europeana website experience<sup>9</sup>*

<sup>9</sup> 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.

No.	Description	Measured by	Frequency	Target Y2	Jul 2020	Aug 2020	Sep 2020
KPI 1.1	Traffic to Europeana website	Number of visits per month	Monthly	<b>500,000</b>	423,405 **	484,996 **	395,430 *
KPI 1.2	Returning visitors to Europeana website	Percentage of visitors returning	Monthly	<b>15%</b>	12.60% *	12.10% *	12.30% *
KPI 1.3	Satisfaction rate for Europeana website	Average satisfaction on a 5-point Likert scale	Three times a year	<b>75%</b>	NEW	NEW	Expected Nov 2020
KPI 1.4	Downloads on the Europeana website	Total number of downloads (cumulative)	Monthly	<b>240,000</b>	422,487 **	441,546 **	11,160 *
RM 1.1	New visitors to the Europeana website	Total number of new visitors per month	Monthly	-	277,488 **	335,618 **	292,203 *
RM 1.2	Visit duration on the Europeana website	Average time spent per visit	Monthly	-	01:34 *	01:23 *	01:40 *
RM 1.3	Page views on Europeana website	Average amount of pages viewed per visit	Monthly	-	2.72 *	2.46 *	2.75 *
RM 1.4	Click-throughs to partner websites	Total number of click-throughs (cumulative)	Bi-monthly	-	128,790 ***	132,665 ***	11,878 *
RM 1.5	User feedback for the Europeana website	Total number of user feedback received via feedback button (cumulative)	Bi-monthly	-	328 **	335 **	66 *

Starting from March 2020 (also acknowledging the usual summer dip) we had exceptional high traffic during the Covid pandemic. The launch of the updated website may also have contributed to the high traffic in the past months. Starting from September we see that the traffic to the Europeana website dropped. We will monitor the traffic in the next months to see if this month is an exception or if the numbers go back to the state of before Covid.

*Risk assessment: Europeana website experience*

<b>Risk</b>	<b>Likelihood of occurrence</b>	<b>Impact</b>	<b>Mitigation strategy</b>
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 website (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
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
Expectations regarding multilingual strategy are higher than what available language technology enables us to implement	Medium	Medium	Regularly evaluate and communicate the results of evaluation to stakeholders. Adapt plans to the performance level of technology.

**Task 1.3. Reliable platforms**

**Partners:** EF, AIT Vienna

High availability and performance (objective 1.3.1.) is an important priority for the Europeana services. With a high-availability architecture design, we aim for our main products to be available 24/7 with an uptime of 99.5% (excluding scheduled outages). We will monitor the quality of our services (uptime and response time) and report on them regularly.



Overview of outcomes: reliable platforms

Partner	Outcomes	Progress	Aug M24	Sep M25	Oct M26	Nov M27	Dec M28	Jan M29	Feb M30	Mar M31
<b>Objective 1.3.1. APIs and infrastructure are high-performing</b>										
EF	Infrastructure is maintained (bugs, attacks, clean-ups, upgrades, back-ups) - 50% of effort in M24/M25	Ongoing	█	█	█	█	█	█	█	█
EF, AIT Vienna	Core APIs are maintained (incidents, bugs, technical debt improvements, software updates, releases) - 40% of effort in M24/M25	Ongoing	█	█	█	█	█	█	█	█
EF	Full failover environment established	10%	█	█	█	█	█			
EF	Production hosting environment reconfirmed [IBM]	10%	█	█	█	█	█	█	█	█
EF, AIT Vienna	Full disaster recovery test completed	Not started								
EF	Solr and Mongo reindexed	Not started								

Reporting metrics: reliable platforms

No.	Description	Measured by	Frequency	Jul 2020	Aug 2020	Sep 2020
RM 1.6	Response time of Europeana website	Average time (seconds) for single record per month	Monthly	1.87	1.50	1.49
RM 1.7	Uptime of Europeana website	Average in % for single records per month	Monthly	97.92	99.19	99.12
RM 1.8	Response time of APIs (all)	Average response time (seconds) per month	Monthly	0.34	0.28	0.28
RM 1.9	Uptime of APIs (all)	Average in % per month	Monthly	98.20	99.99	100
RM 1.10	Response time of Europeana Pro	Average response time (seconds) per month	Monthly	0.84	0.85	0.89

RM 1.11	Uptime of Europeana Pro	Average in % per month	Monthly	99.69	100.00	100.00
RM 1.12	Uptime of Metis	Average in % per month	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. We mitigated the issues and we can see better performance for both metrics for the current reporting period.

*Risk assessment: reliable platforms*

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;

### **Task 1.4. Discoverability of digital cultural content**

**Partners:** EF, DSI AGG (EFHA, NISV, DFF, CARARE, MCA), EUN, and EuroClio

Our efforts to publish digital cultural content can only be valued when material is found and consumed. Therefore, the ability for European citizens, educational audiences and API consumers to discover content is critical to the success of the Europeana Initiative. The foundation of our discoverability efforts are Europeana’s high-quality editorial features that will highlight captivating materials and stories (objective 1.4.1.). Through communication and promotion, EF will bring this material to the attention of our audiences to drive traffic to the Europeana website and engagement with digital culture (objective 1.4.2.). Activities with educational communities will foster partnerships for teaching and learning (objective 1.4.3.). Efforts to support third-party developers use of the Europeana APIs will help to diversify the usage of digital cultural content (objective 1.4.4.).

*Overview of outcomes: discoverability of digital cultural content*

Partner	Outcomes	Progress	Aug M24	Sep M25	Oct M26	Nov M27	Dec M28	Jan M29	Feb M30	Mar M31
<b>Objective 1.4.1. Deliver high-quality editorial features</b>										
EF, DSI AGG	Blogs and galleries published	Ongoing	█	█	█	█	█	█	█	█
EF	Discovering Europe season completed	80%	█	█	█					

EF	Exhibition: Discovering Danube (CENL) published	10%	■	■	■	■	■	■	■	
EF	Exhibition: The Beaver's Journey (Aust-Agder museum og arkiv) published	10%	■	■	■	■	■	■	■	■
EF	Exhibition: 200th anniversary of the death of Napoleon (Fédération Européenne des Cités Napoléoniennes) published	10%	■	■	■	■	■	■	■	■
EF	Women's History Month organised	Not started								
EF	Sport season initiated	Not started								
EF	Autumn season (TBC) initiated	Not started								
EF	New translations of popular exhibitions	100%	■							
EF	Echos of an Empire: Byzantine Musical Instruments through the Ages exhibition	100%	■							
EF	Solidarity: A Peaceful Revolution exhibition	100%	■							
EF	Magical, Mystical and Medicinal exhibition	100%	■	■						
EF	It was 30 years ago exhibition	100%	■	■						
EF	Uncovering Hidden Stories exhibition	80%	■	■	■					
<b>Objective 1.4.2. Communication and dissemination to European citizens</b>										
EF	Newsletter and social media posts (Facebook, Twitter, Instagram, Pinterest) published	Ongoing	■	■	■	■	■	■	■	■
EF	GIF IT UP organised	90%	■	■	■					
EF	Women's History Month organised	Not started								
EF	MuseumWeek on Twitter organised	Not started								
<b>Objective 1.4.3. Engage with educational communities</b>										

EF	Blogs and social media posts (LinkedIn, Facebook, Twitter) published	Ongoing	■	■	■	■	■	■	■	■	■	■
EuroClio	PR package targeting the cultural heritage sector available	10%	■	■	■	■	■	■	■	■	■	■
NISV	Task Force recommendations on making A/V more available in education available	5%	■	■	■	■	■	■	■	■	■	■
EuroClio	Five new partner pages on Historiana with one Exemplary Source Collection and five eLearning activities per partner available	5%	■	■	■	■	■	■	■	■	■	■
EuroClio	Online course for beginners at an eTwinning eLearning event (Europeana training for educators) organised	Not started										
EUN	MOOC for educators (English) launched	Not started										
EuroClio	Train-the-trainers session during the EuroClio annual conference (Europeana training for educators) organised	Not started										
EF	Annual Open Education Week: contribution added	Not started										
EF	All Digital Week campaign: contribution added	Not started										
EUN	Best case examples for reuse completed (learning scenarios and stories of implementation)	Not started										
EUN	Best case example booklet (learning scenarios and stories of implementation) for Secondary schools in six different languages published	Not started										
EuroClio	Advanced webinar series (Europeana training for educators) organised	Not started										
EF	Workshop 'Connecting formal and informal education with digital cultural heritage'	100%	■	■	■	■	■	■	■	■	■	■
EF	Europeana Education publication and brochure	100%	■	■	■	■	■	■	■	■	■	■
EF	Teaching with Europeana best practices 2019 - 2020 booklet	100%	■	■	■	■	■	■	■	■	■	■

Objective 1.4.4. Attract API users and grow data usage								
EF	API developer community mailing list re-established	50%	■	■	■			
EF	Feedback on API strategy from developer community	10%	■	■	■	■	■	
EF	Current libraries, documentation, and tools reviewed and updated	10%	■	■	■	■	■	■
EF	New libraries, FAQs, and tutorials created	Not started						
EF	Reuse package for CHIs created	Not started						

*New translations of popular exhibitions* - new translations were made of popular exhibitions, including *Celebrations in Europe* (available in English, French, Italian, German, Polish, Spanish and Romanian) and *Edible Plants from the Americas* (English, Spanish, German), and *François Crépin and the study of wild roses* (English, French, German, Dutch). We have allocated a greater budget for exhibitions translations for Europeana DSI-4 year 3, as part of our drive for more multilingual content.

*'Echos of an Empire: Byzantine Musical Instruments through the Ages exhibition'*<sup>10</sup> - the exhibition explores images of instruments found in manuscripts and objects from daily life originating from the wide geographic area of the Byzantine Empire.

*'Solidarity: A Peaceful Revolution'*<sup>11</sup> - the exhibition revisits the historic 1980 shipyard strike in Poland and the accompanying peaceful revolution.

*'Magical, Mystical and Medicinal'*<sup>12</sup> - the exhibition explores the remarkable world of psychoactive plants and fungi, and was also published in Spanish and German.

*'It was 30 years ago'*<sup>13</sup> - the exhibition covered the role of the European Parliament in the fall of the Berlin Wall and German reunification.

*Workshop 'Connecting formal and informal education with digital cultural heritage'*<sup>14</sup> - In August we organised a workshop for educational communities for which we produced three video tutorials, available now in the Europeana Classroom.

<sup>10</sup> <https://www.europeana.eu/en/exhibitions/byzantine-musical-instruments>

<sup>11</sup> <https://www.europeana.eu/en/exhibitions/solidarity-a-peaceful-revolution>

<sup>12</sup> <https://www.europeana.eu/en/exhibitions/magical-mystical-and-medicinal>

<sup>13</sup> <https://www.europeana.eu/en/exhibitions/30-years-ago-the-european-parliament-and-german-reunification>

<sup>14</sup> <https://pro.europeana.eu/event/connecting-formal-and-informal-education-with-digital-cultural-heritage>

*Europeana Education publication and brochure* - EF and EUN produced a new publication which explores their work promoting innovative learning with digital cultural heritage. A brochure that summarizes the achievements of last school year 2019-2020, was published at the same time.<sup>15</sup>

*Teaching with Europeana best practices 2019 - 2020 booklet*<sup>16</sup> - This booklet for teachers and educational stakeholders is composed of the 30 best contributions in the 2020 Europeana Education Competition<sup>17</sup>. Six additional language versions of the booklet will be available late October.

#### *Communication and dissemination activities*

Partner	Name of event	Activity	Location	Date
EF	PATRIMONIO CULTURAL DIGITAL: Retos y oportunidades <sup>18</sup>	Two days educational seminar online organized by the International University Menendez Pelayo, UIMP	Online	16-17/09/2020

#### *Reporting metrics: discoverability of digital cultural content*

No.	Description	Measured by	Frequen cy	Target Y2	Jul 2020	Aug 2020	Sep 2020
KPI 1.5	Satisfaction rate for exhibitions	Average satisfaction on a 5-point Likert scale	Monthly	75%	NEW	NEW	85%
KPI 1.6	Reach on social media	Total number of impressions on social media (cumulative)	Monthly	250 million	592,107,554	689,877,929	40,666,847
KPI 1.7	Learning resources for education	Total number of resources using Europeana data (cumulative)	Monthly	50	376	442	4

<sup>15</sup> <https://pro.europeana.eu/post/five-years-promoting-innovative-learning-with-digital-cultural-heritage;>

<https://pro.europeana.eu/post/europeana-and-european-schoolnet-celebrating-five-years-of-collaboration>

<sup>16</sup> <https://pro.europeana.eu/post/teaching-with-europeana-best-practices-2019-2020>

<sup>17</sup> <https://teachwitheuropeana.eun.org/europeana-education-competition-2020/>

<sup>18</sup> [http://www.uimp.es/agenda-link.html?id\\_actividad=64Q8&anyaca=2020-21](http://www.uimp.es/agenda-link.html?id_actividad=64Q8&anyaca=2020-21)

KPI 1.8	External learning environments for education	Total number of integrations of Europeana educational offers (cumulative)	Monthly	<b>5</b>	8	8	Expected Aug 2021
KPI 1.9	Satisfaction rate of educational communities	Average satisfaction on a 5-point Likert scale	Monthly	<b>75%</b>	NEW	NEW	Expected Oct 2020
RM 1.13	Editorial outcomes: exhibitions	Number of exhibitions created (cumulative)	Bi-monthly	-	8	10	2
RM 1.14	Editorial outcomes: blogs	Number of blogs created (cumulative)	Bi-monthly	-	118	131	15
RM 1.15	Newsletter subscribers	Total number of subscribers	Bi-monthly	-	49,364	49,368	49,372
RM 1.16	Social media engagement	Total number of likes, shares, comments per month	Monthly	-	445,302	669,586	395,197
RM 1.17	Social media followers/fans	Total number on social media	Monthly	-	213,263	215,699	217,499
RM 1.18	Educators actively involved in creating learning resources (EUN)	Total number of educators (cumulative)	Once a year	-	-	2,032	Expected Aug 2021
RM 1.19	Countries coverage of contributing educators (EUN)	Total number of countries (cumulative)	Once a year	-	-	37	Expected Aug 2021

RM 1.20	Participants completing the MOOC	Total number of participants (cumulative)	Upon occasion	-	668	668	Expected May 2021
RM 1.21	Reach to Europeana Education community	Number of people reached per month (mailing list, LinkedIn, Facebook)	Bi-monthly	-	6,035	-	6,411
RM 1.22	API usage (REST API)	Number of API users that exceeded the average of 5 calls a day per month	Monthly	-	60	51	63
RM 1.23	API usage (REST API)	Number of API users that were active for more than 5 days in each month	Monthly	-	51	57	56
RM 1.24	API usage (REST API)	Total number of requests per month	Monthly	-	66,556,629	75,599,930	87,640,300
RM 1.25	API users (REST API)	Total number of API users per month	Monthly	-	185	180	209
RM 1.26	API sign-ups (REST API)	Number of API sign-ups per month	Monthly	-	60	85	89

In the reporting period we published four exhibitions and 28 blogs (e.g. Medieval archaeological heritage of eastern Andalusia<sup>19</sup>). In September, we had a very good average satisfaction rate for exhibitions reaching 85%.

---

<sup>19</sup>

<https://blog.europeana.eu/2020/09/hidden-treasures-of-guadalquivir-valley-the-medieval-archaeological-heritage-of-eastern-andalusia/>



Social media engagement (likes, shares, comments) was particularly high in August, with the Discovering Europe season in full swing, and extra budget allocated to translating and promoting exhibitions and season editorial.

In August we closed the year with 442 new educational learning resources that summarizes as follows:

Learning material	Partner/Project	Amount
2 STEAM videos <sup>20 21</sup>	Europeana challenge	2
Source collections <sup>22</sup>	Euroclio/EUN	12
eLearning activities <sup>23</sup>	EuroClio/EUN	12
Historiana training kit <sup>24</sup>	EuroClio	1
Europeana MOOC (EN, SP, PT, IT, FR) <sup>25</sup>	EUN	5
Teasers - videos <sup>26</sup>	EUN	10
Learning scenarios <sup>27</sup>	EUN	306
Stories of implementation <sup>28</sup>	EUN	94

In August we also recorded the number of educators actively involved in creating learning resources working in collaboration with EUN. We saw that 2,032 teachers from 37 countries were involved in this activity in the past Europeana DSI-4 year (Sep 2019 - Aug 2020).

In September, we added four new educational resources: the Teaching with *Europeana best practices 2019/2020*<sup>29</sup> booklet, available on Pro, and three video tutorials<sup>30</sup> produced for the *Connecting formal and informal education* workshop organized in 27-28 August, available now in Europeana Classroom<sup>31</sup>.

We saw higher demand for APIs in the reporting period looking at usage, users and sign-ups.

### *Risk assessment: discoverability of digital cultural content*

<sup>20</sup> <https://www.youtube.com/watch?v=GMgP-4O99qU&t=15s>

<sup>21</sup> <https://www.youtube.com/watch?v=xnClSss50pl>

<sup>22</sup> <https://historiana.eu/historical-content>

<sup>23</sup> <https://historiana.eu/teaching-learning>

<sup>24</sup> <https://pro.europeana.eu/post/historiana-teacher-training-guide-2019>

<sup>25</sup> <https://www.europeana.eu/en/europeana-classroom/moocs>

<sup>26</sup> <https://www.youtube.com/playlist?list=PLtA54levDap0kZvNvTPp087gGfV3rij8C>

<sup>27</sup> <https://teachwitheuropeana.eun.org/learning-scenarios/>

<sup>28</sup> <https://teachwitheuropeana.eun.org/stories-of-implementation/>

<sup>29</sup> <https://pro.europeana.eu/post/teaching-with-europeana-best-practices-2019-2020>

<sup>30</sup> <https://vimeo.com/442043240/d934728f38>; <https://vimeo.com/442043198/101ec5f1d6>;

<https://vimeo.com/442043318/91a4f33529>

<sup>31</sup> <https://www.europeana.eu/en/europeana-classroom>

<b>Risk</b>	<b>Likelihood of occurrence</b>	<b>Impact</b>	<b>Mitigation strategy</b>
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
School lockdowns for COVID	High	Medium	Most of the activities with teachers are planned for the digital environment but some necessary implementations with students can be hampered
Complete new strategy involving CHIs professionals in the education initiative (e.g new partner pages on Historiana). There is a risk of not reaching all the expected outcomes in 12 months (strategy initially planned for two years)	High	Medium	Continuation of the tasks during Europeana DSI-4 (Y4)

## **Work package 2: Improve data quality**

WP2 will increase high-quality content and metadata (task 2.1) to improve access and reusability of digital content. This will include new technological approaches of enriching data, such as crowdsourcing and machine-learning (task 2.2). These efforts will contribute to a more satisfying user experience on the Europeana website.

### **Task 2.1. Quality assured data**

**Partners:** EF, SPK, and DSI AGG (APEF, BL, CARARE, MCA, EFHA, DFF, NISV, AIT-Graz, Photocons, NTUA)

The data issues that have developed over the past decade can only be resolved through a multi-year effort. In the next year, we will continue to work with aggregators and data providers to raise the quality of content and metadata (objective 2.1.1). As part of this effort, we will further develop our data and publishing frameworks, standards and documentation for partners (objective 2.1.2) and influence global interoperability through our networks (objective 2.1.3).

Overview of outcomes: quality assured data

Partner	Outcomes	Progress	Aug M24	Sep M25	Oct M26	Nov M27	Dec M28	Jan M29	Feb M30	Mar M31
<b>Objective 2.1.1. Raise the quality of content and metadata</b>										
EF	Data partners supported with data quality improvements and data publication (DSI, Generic services, and others)	Ongoing								
DSI AGG	Data quality improvements and new content delivered	Ongoing								
EF	Aggregators under development reviewed for accreditation	Ongoing								
EF, DSI AGG	Working Groups (Data Quality Committee <sup>32</sup> ; IIF & Europeana <sup>33</sup> )	Ongoing								
EF	Regular link resolution process implemented	10%								
EF	Strategy for reviving records from inactive data partners delivered	Not started								
EF, DSI AGG	Review of individual data quality plans with respective DSI partners	Not started								
EF	Outreach campaign to inactive data partners initiated	Not started								
EF, DSI AGG	Individual data quality plans for the following DSI year created	Not started								
EF, SPK	Plan for growing fulltext newspaper content is developed	Not started								
<b>Objective 2.1.2. Maintain data and publishing frameworks, standards and documentation</b>										
EF	EDM updated and documented	Ongoing								
EF	Recommendations for how to improve the usefulness of guidance materials	10%								
EF, DSI AGG	Case studies that document impact of publishing digital collections online	5%								
EF	EPF amendment to integrate problem patterns from long-tail data issues	5%								

<sup>32</sup> <https://pro.europeana.eu/project/data-quality-committee>

<sup>33</sup> <https://pro.europeana.eu/project/iif-europeana-working-group>

EF, DSI AGG	EPF 3.0 delivered with case studies and integrated problem patterns	5%	■	■	■	■	■	■	■	■	■	■
EF	Update of the Statistics Dashboard V2 <sup>34</sup>	Not started										
EF	Design and technical plan for Statistics dashboard	40%	■	■	■	■						
<b>Objective 2.1.3. Influence global interoperability and technological innovation</b>												
EF, ENA, EAF	EuropeanaTech community <sup>35</sup> , Data Quality Committee <sup>36</sup> , IIF Discovery Technical Specification Group <sup>37</sup> , IIF & Europeana Working Group <sup>38</sup> supported	Ongoing	■	■	■	■	■	■	■	■	■	■
EF	Data mapping and conversions with stakeholders is supported	Ongoing	■	■	■	■	■	■	■	■	■	■
EF	Interoperability of annotations and user sets <sup>39</sup> Task Force is supported	80%	■	■	■	■	■					
EF, NISV	AI in relation to GLAMs <sup>40</sup> Task Force is supported	55%	■	■	■	■	■	■				

*Reporting metrics: quality assured data*

No.	Description	Measured by	Frequency	Target Y2	Jul 2020	Aug 2020	Sep 2020
KPI 2.1	High quality content	Percentage of Tier 2 + material (excluding content Tier 0)	Monthly	>65%	62.41%	63.23%	64.05%
KPI 2.2	High quality and reusable content	Percentage of Tier 3+ material (excluding content Tier 0)	Monthly	>40%	41.17%	41.77%	42.39%
KPI 2.3	High quality metadata	Percentage of Tier A+ material	Monthly	>60%	NEW	NEW	56.29%

<sup>34</sup> Note: this outcome was expected to be completed by October 2020. Plans for the Statistics Dashboard need to be reviewed in the context of the published Aggregation Strategy and more specifically the Sandbox. The dashboard shouldn't be seen as an individual product but as a specific component of the Sandbox. We therefore need to spend more time in writing new technical and design requirements based on the experience of the first version of the dashboard. This plan is expected to be completed by November 2020.

<sup>35</sup> <https://pro.europeana.eu/page/europeanatech>

<sup>36</sup> <https://pro.europeana.eu/project/data-quality-committee>

<sup>37</sup> <https://iif.io/community/groups/discovery/>

<sup>38</sup> <https://pro.europeana.eu/project/iif-europeana-working-group>

<sup>39</sup> <https://pro.europeana.eu/project/interoperability-of-annotations-and-user-sets>

<sup>40</sup> <https://pro.europeana.eu/project/ai-in-relation-to-glams>

	(search, browse and explore)	(excluding content Tier 0)						
KPI 2.4	Europeana Research and Development contributions	Total number of reference papers or presentations (cumulative)	Monthly	10	5	7	2	
RM 2.1	Broken links in the repository	Number of broken links (out of total) (excluding content Tier 0)	Quarterly	-	1.5 million	-	Expected Dec 2020	
RM 2.2	Non-EPF compliant content (Tier 0)	Percentage of Tier 0 content	Monthly	-	NEW	NEW	17.18%	
RM 2.3	Updates to datasets	Total number of newly created and updated datasets per month (out of total)	Monthly	-	54	47	40	
RM 2.4	Updates to records	Total number of newly created and updated records per month (out of total)	Monthly	-	1,837,573	905,602	1,728,100	
RM 2.5	New CHIs published on Europeana website	Total number of new CHIs (cumulative)	Once a year	-	NEW	NEW	Expected Aug 2021	
RM 2.6	Records in the data repository	Total number of records (excluding content tier 0)	Monthly	-	49,619,904	50,021,150	51,341,446	
RM 2.7	Records in the data repository by	Total number of records (excluding content tier 0)	Quarterly	-	NEW	NEW	32,320,906	

	accredited aggregators						
RM 2.8	Reach to Europeana Tech community	Number of people reached per month (Mailing list, Twitter)	Bi-monthly	-	5,710	-	5,998

In the reporting period, we updated 87 datasets and over 2.6 million records (including newly created and updated datasets and records). This contributed to an increase of high quality content (tier 2+) by 0.82% and an increase of high quality and reusable content (tier 3+) by 0.62%. For example, the dataset from Stiftung Händel-Haus Halle was updated via MUSEU (MCA) with content now in tier 3 and metadata in tier C<sup>41</sup>.

In August and September, we published four research and development contributions:

Partner	Name of event	Activity	Location	Date
AIT, EF	25th International Symposium on Methodologies for Intelligent Systems (ISMIS) <sup>42</sup>	Presentation of research paper "Named Entity Recommendations to Enhance Multilingual Retrieval in Europeana.eu" <sup>43</sup>	Graz, Austria (online)	23-25/09/2020
EF, INESC-ID	DCMI Virtual 2020 <sup>44</sup>	Best practice presentation "Latest developments of the Europeana Data Model from the perspective of community best practices"	online	14-25/09/2020
EF, INESC-ID	24th International Conference on Theory and Practice of Digital Libraries (TPDL) <sup>45</sup>	Presentation of research paper "An observational study of equivalence links in cultural heritage linked data for agents"	Lyon, France (online)	25-28/08/2020
EF	MSc defense at Information Science Department in Information Science Haute école de gestion de Genève	Defense of Julien Raemy's <sup>46</sup> Master's thesis in Information Science, "Enabling better aggregation and discovery of cultural heritage content for Europeana and its partner institutions"	Geneva, Switzerland	28/08/2020

<sup>41</sup> [https://www.europeana.eu/en/search?query=edm\\_datasetName%3A2064121\\_%2a](https://www.europeana.eu/en/search?query=edm_datasetName%3A2064121_%2a)

<sup>42</sup> <https://ismis.ist.tugraz.at/>

<sup>43</sup> <https://dx.doi.org/10.1007/978-3-030-59491-6>

<sup>44</sup> <https://www.dublincore.org/conferences/2020/>

<sup>45</sup> <http://eric.univ-lyon2.fr/adbis-tpdl-eda-2020/tpdl/>

<sup>46</sup> Intern at Europeana Foundation:

<https://julraemy.github.io/posts/2020/08/31/master-thesis-europeana-aggregation/>

		High grade (5.7) means it will be published as an official publication on the university channels		
--	--	---	--	--

*Data quality improvements per aggregator based on the EPF<sup>47</sup> (Note: the table only shows updates done in September<sup>48</sup>)*

<b>Metric</b>	<b>End Aug 2020 (M24)</b>	<b>End Sep 2020 (M25)</b>
<b>APEF</b>		
Percentage of Tier 2+ material	12.81%	12.81%
Percentage of Tier 3+ material	8.65%	8.65%
Percentage of Tier A+ material	1.45%	1.45%
Number of records updated (M24/M25)		-
Number of datasets updated (M24/M25)		-
Number of contributing data providers (M24/M25)		-
Number of new datasets (M24/M25)		-
Type of new datasets		-
<b>BL (Europeana Sounds)</b>		
Percentage of Tier 2+ material	40.46%	40.46%
Percentage of Tier 3+ material	9.27%	9.27%
Percentage of Tier A+ material	70.62%	70.62%
Number of records updated (M24/M25)		-
Number of datasets updated (M24/M25)		-
Number of contributing data providers (M24/M25)		-
Number of new datasets (M24/M25)		-
Type of new datasets		-
<b>CARARE / AthenaRC</b>		

<sup>47</sup> Data quality improvements are done based on data quality improvement plans per aggregator. 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.

<sup>48</sup> This reporting framework for aggregators was recently introduced and starts from 1 September 2020 onwards, therefore August data is missing. The next report will cover updates of the full reporting period (two months).

Percentage of Tier 2+ material	75.59%	72.26%
Percentage of Tier 3+ material	60.51%	57.85%
Percentage of Tier A+ material	99.45%	99.48%
Number of records updated (M24/M25)		113,700
Number of datasets updated (M24/M25)		5
Number of contributing data providers (M24/M25)		6
Number of new datasets (M24/M25)		-
Type of new datasets	-	
<b>MCA</b>		
Percentage of Tier 2+ material	44.83%	44.83%
Percentage of Tier 3+ material	7.16%	7.16%
Percentage of Tier A+ material	75.02%	75.02%
Number of records updated (M24/M25)		-
Number of datasets updated (M24/M25)		-
Number of contributing data providers (M24/M25)		-
Number of new datasets (M24/M25)		-
Type of new datasets	-	
<b>eFashion</b>		
Percentage of Tier 2+ material	89.51%	89.51%
Percentage of Tier 3+ material	2.70%	2.70%
Percentage of Tier A+ material	100%	100%
Number of records updated (M24/M25)		-
Number of datasets updated (M24/M25)		-
Number of contributing data providers (M24/M25)		-
Number of new datasets (M24/M25)		-
Type of new datasets	-	
<b>DFF (EFG - The European Film Gateway)</b>		



Percentage of Tier 2+ material	22.60%	22.59%
Percentage of Tier 3+ material	0.20%	0.20%
Percentage of Tier A+ material	43.73%	43.78%
Number of records updated (M24/M25)	4,089	
Number of datasets updated (M24/M25)	7	
Number of contributing data providers (M24/M25)	6	
Number of new datasets (M24/M25)	1	
Type of new datasets	Hochschule Darmstadt <sup>49</sup> (videos)	
<b>NISV (EUscreen)</b>		
Percentage of Tier 2+ material	22.44%	20.92%
Percentage of Tier 3+ material	0.25%	0.23%
Percentage of Tier A+ material	26.09%	24.32%
Number of records updated (M24/M25)	81,983	
Number of datasets updated (M24/M25)	1	
Number of contributing data providers (M24/M25)	1	
Number of new datasets (M24/M25)	-	
Type of new datasets	-	
<b>AIT-Graz (OpenUp!)</b>		
Percentage of Tier 2+ material	98.26%	98.28%
Percentage of Tier 3+ material	87.61%	87.49%
Percentage of Tier A+ material	42.90%	43.53%
Number of records updated (M24/M25)	140,641	
Number of datasets updated (M24/M25)	2	
Number of contributing data providers (M24/M25)	3	
Number of new datasets (M24/M25)	-	
Type of new datasets	-	

<sup>49</sup> [https://www.europeana.eu/en/search?query=edm\\_datasetName%3A352%2a](https://www.europeana.eu/en/search?query=edm_datasetName%3A352%2a)

PhotoCons		
Percentage of Tier 2+ material	66.76%	66.76%
Percentage of Tier 3+ material	23.74%	23.74%
Percentage of Tier A+ material	99.64%	99.64%
Number of records updated (M24/M25)		-
Number of datasets updated (M24/M25)		-
Number of contributing data providers (M24/M25)		-
Number of new datasets (M24/M25)		-
Type of new datasets		-

*Risk assessment: quality assured 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.

## **Task 2.2. Enriched data**

**Partners:** EF, AIT Vienna, F&F, DSI AGG (APEF, AIT Graz, BL, CARARE, EFHA, NISV, Photocons)

The focus on enriched data is vitally important to the future of the Europeana Initiative. As the scale of data publishing grows, new technological approaches are needed to improve the accessibility and use of cultural heritage data. The extension of entities to support better browsing (objective 2.2.1) will help categorise items more usefully for website visitors, while the use of crowdsourcing and machine-learning tools by partners (objective 2.2.2) will see data quality enriched before it is ingested by Europeana. Importantly, this year EF will also begin researching and experimenting with machine-learning platforms (Objective 2.2.3) in an effort to determine where to invest.

*Overview of outcomes: enriched data*

Partner	Outcomes	Progress	Aug	Sep	Oct	Nov	Dec	Jan	Feb	Mar
			M24	M25	M26	M27	M28	M29	M30	M31

<b>Objective 2.2.1. Extend entities to support better browsing</b>									
EF, AIT Vienna	Entity framework for data ingestion and updating is redeveloped	Not started							
EF, AIT Vienna	Entities can be manually added and removed	Not started							
EF	Entities to support browsing by organisation are available	Not started							
EF, AIT Vienna	Entities are extended to support high quality people relationships	Not started							
<b>Objective 2.2.2. Use crowdsourcing and machine learning to enrich metadata</b>									
EFHA	Validation of automatic enrichments for the Fashion Heritage collection is completed through crowdsourcing campaigns	10%							
AIT Graz	Curated metadata enrichment and curated content clustering through expert crowdsourcing	10%							
NISV	Crowdsourcing toolkit on subtitling videos, translating and correcting is published on Europeana Classroom	10%							
APEF	Contextual classes are tagged through the use of metadata evaluation and crowdsourcing	10%							
APEF	Automatic topic detection proof-of-concept developed	10%							
BL	Conversion of placenames and wikidata links using OpenRefine	10%							
CARARE	Enrichment services on MORE are extended	10%							
Photoc ons	3 crowdsourcing campaigns to enrich data completed	10%							
F&F	Enrichments from Transcribathon.eu transferred to Europeana	10%							
<b>Objective 2.2.3. Establish machine-learning platforms</b>									
EF	Machine learning discussion paper delivered to AI in relation to GLAMs Task Force	90%							

EF	Jupyter notebook proof-of-concept is shared with Network	50%							
EF	Training data is shared on pilot platforms (max six platforms)	40%							
EF	Learnings from SGoaB project incorporated into 2021/22 plans	Not started							

*Risk assessment: enriched data*

Risk	Likelihood of occurrence	Impact	Mitigation strategy
Some entity relations are currently of low quality.	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.
The existence of plans with regards to employing AI in Europeana raise wrong expectations on the capacity of the technology to fix all of Europeana's data problems	Medium	Low	Clearly position Europeana's current effort as being experimental. Regularly report on evaluation and observed limitations of the available technology (especially with respect to scarcity of data to correctly train AI systems)

## Work package 3: Build capacity

WP3 will support professionals and partners in three principle areas to build capacity for digital transformation. We will engage professionals and partner organisations (both large and small) in capacity-building activities by running events, training and workshops (task 3.1.). Secondly, we will nurture our networks, in particular by supporting operations of the Europeana Network Association (ENA) and Europeana Aggregators' Forum (EAF). This will include communication and promotion of activities and resources to our networks (task 3.2.). Finally, we will strengthen national infrastructures by supporting the adoption of Europeana standards and frameworks and by reinforcing the value delivered by the Europeana Initiative towards digital transformation of the cultural heritage sector (task 3.3.).

### **Task 3.1. Build capacity of aggregators and professionals**

**Partners:** EF, F&F, DEN, and DSI AGG (APEF, BL, CARARE, MCA, EFHA, DFF, NISV, AIT-Graz, Photocons, NTUA)

Under this task we will build capacity to support the digital transformation of the cultural sector. This will be done by developing and delivering events, workshops and training formats addressing the needs of professionals (objective 3.1.1) as well as aggregators and CHIs (objective 3.1.2). We will establish professional education for management in the cultural sector by sharing good practices, knowledge and training across our networks (objective 3.1.3). We will also develop a capacity-building framework to facilitate the structural adoption of our capacity-building initiative (objective 3.1.4).

*Overview of outcomes: build capacity of aggregators and professionals*

Partner	Outcomes	Progress	Aug M24	Sep M25	Oct M26	Nov M27	Dec M28	Jan M29	Feb M30	Mar M31
<b>Objective 3.1.1. Deliver rewarding events for professionals</b>										
EF	Programme of events for professionals, published on Europeana Pro	100%	█	█						
EF	Annual Conference: Europeana 2020	75%	█	█	█	█				
EF	Method of events evaluation implemented	75%	█	█	█	█	█			
EF	Events Management toolkit	60%	█	█	█	█	█	█	█	█
<b>Objective 3.1.2. Deliver scalable training for aggregators and CHIs</b>										
EF	Enriched training resources for aggregators on Pro	Ongoing	█	█	█	█	█	█	█	█
EF, F&F	Transcribathon strategy and plan	80%	█	█	█	█	█			
EF/EAF, DSI AGG	EAF Training Programme 2020-2021	10%	█	█	█	█	█	█	█	█
EF, DSI AGG	Train the Trainer events (two events)	10%	█	█	█	█	█	█	█	█
EF, F&F, DSI AGG	Training workshops, webinars and one-to-one support for CHIs to share knowledge and develop skills (six events)	10%	█	█	█	█	█	█	█	█
<b>Objective 3.1.3. Develop Europeana Managers Academy</b>										
DEN	Deliver Pilot Managers Academy	20%	█	█	█	█	█	█	█	█
DEN	V1 Sustainable Business Model and report	Not started								
<b>Objective 3.1.4 Develop a capacity-building framework</b>										

EF	Strategy for building and implementing a capacity building framework published	60%	■	■	■	■	■	■	■	■	■	■	■	■	■	■	■	■	■	■
EF/DEN	Report on inventorisation of existing training courses created	35%	■	■	■	■	■	■	■	■	■	■	■	■	■	■	■	■	■	■
EF	Capacity-Building Framework V1 developed	10%	■	■	■	■	■	■	■	■	■	■	■	■	■	■	■	■	■	■
EF	Approach for measuring impact of capacity building developed	Not started																		

*Programme of events for professionals, published on Europeana Pro* - we designed a programme<sup>50</sup> consisting of a diverse range of webinars for professionals (i.e. education, copyright, engaging audiences, impact, research). Webinars were already organised in the reporting period or are planned for the upcoming year.

*Reporting metrics: build capacity of aggregators and professionals*

No.	Description	Measured by	Frequency	Target Y2	Jul 2020	Aug 2020	Sep 2020
KPI 3.1	Aggregator satisfaction with Europeana (accredited aggregators)	Average satisfaction on a 5-point Likert scale	Once a year	75%	NEW	NEW	Expected Aug 2021
KPI 3.2	CHI satisfaction with aggregator (partner in Europeana DSI-4)	Average satisfaction on a 5-point Likert scale	Once a year	75%	NEW	NEW	Expected Aug 2021
RM 3.1	Events organised for professionals	Number of events (cumulative)	Bi-monthly	-	NEW	NEW	4
RM 3.2	Participants attending events for professionals	Number of participants (cumulative)	Bi-monthly	-	NEW	NEW	220

<sup>50</sup> <https://pro.europeana.eu/page/webinars>

RM 3.3	Satisfaction rate for annual conference (Europeana 2020)	Average satisfaction on a 5-point Likert scale	Once a year	-	NEW	NEW	Expected Jan 2021
RM 3.4	CHIs supported by DSI aggregators	Total number of individual CHIs (cumulative)	Bi-monthly	-	200	-	56
RM 3.5	Coverage of CHIs supported by DSI aggregators	Total number of countries that received support (cumulative)	Bi-monthly	-	30	-	21
RM 3.6	Outreach to CHIs	Total number of new CHIs collaborating with DSI aggregators (cumulative)	Bi-monthly	-	46	-	23
RM 3.7	Events delivered through the EAF training programme	Number of events delivered by DSI aggregators and EF (cumulative)	Bi-monthly	-	NEW	NEW	Expected Oct 2020

In the reporting period, EF held four events for professionals reaching 220 people. The table below shows main events by EF and DSI AGG.

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

Partner	Name of event	Activity	Location	Date
EF	Rights in digital objects and structured rights information at Europeana <sup>51</sup>	Training webinar	Online	22/09/2020
EF	Social Media as Engagement Instrument for Cultural Heritage Institutions <sup>52</sup>	Training webinar (co-organised with GS project Common Culture)	Online	29/09/2020

<sup>51</sup> <https://pro.europeana.eu/event/rights-in-digital-objects-and-structured-rights-information-at-europeana>

<sup>52</sup> <https://pro.europeana.eu/event/social-media-as-engagement-instrument-for-cultural-heritage-institutions>

EF	What's in a name, what Impact means to us (introduction) <sup>53</sup>	Training webinar (co-organised with GS project Common Culture)	Online	30/09/2020
EF Athena RC	Facilitating Archival Research on the Study of the Turbulent 1940s. <sup>54</sup>	Digital Panel	Online	10/09-2020
CARARE	EAA 2020 <sup>55</sup>	Presentation: "3D content in Europeana, the challenges of providing access"	Online	26/08/2020

### *Risk assessment: build capacity of aggregators and professionals*

<b>Risk</b>	<b>Likelihood of occurrence</b>	<b>Impact</b>	<b>Mitigation strategy</b>
Europeana conference 2020 does not engage new audiences, or meet the satisfaction of current network members	Medium	High	The agenda is built from an open call for proposals, and developed by a selection committee and a programme committee that represents the diversity of our new & existing audiences. Post event surveys from conference 2019 were used to ensure we bring forward feedback from previous years.
Professionals & Aggregator training & development activities do not meet the needs of the partners, and we do not grow the audience for these	Medium	High	We work with the ENA and EAF to develop a training and development approach that can be implemented and measured under the capacity building framework. We will regularly review feedback from participants, and implement a holistic approach to promoting these activities to reach a wide audience.
Capacity Building Framework does not meet partner expectations or needs	Low	High	Ensure framework is developed and implemented collaboratively with stakeholders, and an effective feedback cycle is established.

## **Task 3.2. Nurture networks**

**Partners:** EF, CLARIN, DSI AGG

<sup>53</sup> <https://pro.europeana.eu/event/what-s-in-the-name-what-impact-means-for-us>

<sup>54</sup> <https://pro.europeana.eu/event/facilitating-archival-research-on-the-study-of-the-turbulent-1940s>

<sup>55</sup> <https://www.e-a-a.org/EAA2020virtual>



Under this task we will maintain and develop effective governance as well as the operational activities of the Europeana Network Association (ENA)<sup>56</sup> and Europeana Aggregators' Forum (EAF)<sup>57</sup> (objective 3.2.1. and objective 3.2.2.). We will facilitate digital change by developing connections with professionals, partners and other networks such as research communities (objective 3.2.3). Our work will be enabled through communicating and promoting the value of the Europeana Initiative (objective 3.2.4.), and by developing the Europeana Pro website (objective 3.2.5.).

*Overview of outcomes: nurture networks*

Partner	Outcomes	Progress	Aug	Sep	Oct	Nov	Dec	Jan	Feb	Mar
			M24	M25	M26	M27	M28	M29	M30	M31
<b>Objective 3.2.1. Maintain and develop the effective governance of ENA/EAF</b>										
EF/ENA	Periodic meetings organised (incl. Management Board and Members Council)	Ongoing								
EF/ENA	Governance working group <sup>58</sup> (eight members)	Ongoing								
EF/EAF	Periodic meetings of the Steering Group and Forum members organised	Ongoing								
EF/ENA	Membership campaign 2020 concluded	90%								
EF/ENA	Governance renewed (Members Council election, Management Board appointment)	30%								
<b>Objective 3.2.2. Maintain and develop the operational activities of ENA/EAF</b>										
EF/ENA	General management support for Task Forces, Working Groups and communities	Ongoing								
EF/EAF	General management for Task Forces, Working Groups and members	Ongoing								
ENA/EAF, NISV	Annual reports 2020 (ENA and EAF) published	30%								
ENA/EAF, NISV	Annual work plans 2021 (ENA and EAF) developed	10%								
EF	Thematic agenda for Europeana Initiative published	15%								

<sup>56</sup> <https://pro.europeana.eu/network-association/sign-up>

<sup>57</sup> <https://pro.europeana.eu/page/aggregators>

<sup>58</sup> <https://pro.europeana.eu/project/governance-working-group>

EF	Strategy and plan to support diversity and growth of ENA and EAF created	Not started										
<b>Objective 3.2.3. Engage with research communities</b>												
EF, AthenaRC	Digital Panel on 1940s webinar organised	100%	■	■								
EF	Research Grants (2020) launched	50%	■	■	■	■	■					
EF, ENA	Research Community: Research Community blog series on Europeana Pro launched	50%	■	■	■							
EF, ENA	Research Community: Research Requirements TF's recommendations on researchers' needs <sup>59</sup> available	85%	■	■	■	■	■					
EF	Research Grants (2019) <sup>60</sup> : Events and outputs completed	20%	■	■	■	■	■	■	■	■	■	■
EF	Europeana Research: new strategic plan developed	Not started										
EF, CLARIN	Ingestions into VLO completed	Not started										
EF, CLARIN	Third Content integration in CLARIN VLO (evaluation, selection, integration) (MS88)	100%	■									
EF	Research on community generated content initiatives	100%	■									
EF	OCLC integration	70%	■	■	■	■	■	■	■	■	■	■
<b>Objective 3.2.4. Communicating and promoting to professionals and partners</b>												
EF	Editorial reviewed and all static content updated (Europeana Pro)	Ongoing	■	■	■	■	■	■	■	■	■	■
EF	Pro themes published	Ongoing	■	■	■	■	■	■	■	■	■	■
EF	(Periodic) activities promoted (newsletters: ENA, Communities & EAF; social media: Twitter, LinkedIn)	Ongoing	■	■	■	■	■	■	■	■	■	■

<sup>59</sup> <https://pro.europeana.eu/project/research-requirements>

<sup>60</sup> Research Grants 2019 events and outputs were postponed due to COVID-19 pandemic and will still be delivered throughout 2020/2021.

EF	Public consultation on opportunities offered by digital technologies for the culture heritage sector promoted	100%	
EF	Europeana as a 'powerful platform for storytelling' Task Force recommendations <sup>61</sup> available	10%	
<b>Objective 3.2.5. Maintain and develop the Europeana Pro website</b>			
EF	Europeana Pro developed and maintained (bugs, user journeys, software updates)	Ongoing	
EF	More flexible solution for event display on Pro implemented	100%	
EF	FAQ Europeana Pro available	70%	
EF	oEmbed for images available	80%	
EF	Code quality and accessibility improvements implemented	10%	

*Digital Panel on 1940s webinar organised in collaboration with Athena RC* - This digital event focused on users' needs, suited methods and tools when interacting with digital archival resources. Representatives from DARIAH Greece / Academy of Athens,<sup>62</sup> ASKI,<sup>63</sup> NIOD<sup>64</sup> and EHRI<sup>65</sup> presented WWII-related archives and digital collections as use cases. Over 60 people registered. The recording has been made available after the event.<sup>66</sup>

*Third Content integration in CLARIN VLO (evaluation, selection, integration) (MS88)* - In August, CLARIN concluded the third content integration into their virtual language observatory (VLO). This integration increased the number of Europeana resources in the CLARIN VLO to over 175,000 records<sup>67</sup>.

*Research on community generated content initiatives* - Athena RC analysed such initiatives both as forms of community engagement and as source of new historical material to be reused in research.<sup>68</sup>

<sup>61</sup> <https://pro.europeana.eu/project/europeana-as-a-powerful-platform-for-storytelling>

<sup>62</sup> <http://www.academyofathens.gr/en>

<sup>63</sup> <https://www.askiweb.eu/index.php/en/>

<sup>64</sup> <https://www.niod.nl/en>

<sup>65</sup> <https://portal.ehri-project.eu/>

<sup>66</sup> <https://pro.europeana.eu/event/facilitating-archival-research-on-the-study-of-the-turbulent-1940s>

<sup>67</sup>

<https://vlo.clarin.eu/search?jsessionid=F40D46F5E8AC84E7E286129386FF501C?0&fq=dataProvider:Europeana&fqType=dataProvider:or>

<sup>68</sup> <https://pro.europeana.eu/post/facilitating-archival-research-on-the-study-of-greece-in-the-1940s>

*Public consultation on opportunities offered by digital technologies for the culture heritage sector promoted* - We created a detailed plan to promote the consultation to a variety of audiences over summer 2020. This involved mobilising the Europeana network, communities and culture lovers, and reaching out to other networks in the sector to share with their audiences. Our Pro News article<sup>69</sup> announcing the call received nearly 1,500 views and we also published the Europeana Initiative position<sup>70</sup> in September 2020.

*More flexible solution for event display on Pro implemented* - As a result of the pandemic, we moved our event programming online. Due to the success of our webinars and continuing work in this area we redesigned our events section<sup>71</sup> to better reflect our current offer and meet our audiences needs. Alongside our flagship event, our yearly conference<sup>72</sup>, we also showcase upcoming online and physical events. Users can submit their own events and link to past webinars and users can also watch all of our recorded webinars. This newly designed webinars page<sup>73</sup> is also findable from our services section and is an area we will look to build on and promote further in the remainder of 2020 and 2021.

*Reporting metrics: nurture networks*

No.	Description	Measured by	Frequency	Target Y2	Jul 2020	Aug 2020	Sep 2020
KPI 3.3	Growth of Europeana Network Association members	Number of members in the ENA	Bi-monthly	<b>2,250</b>	3,108	-	3,208
KPI 3.4	Satisfaction of the Europeana Network Association members with the ENA	Average satisfaction on a 5-point Likert scale	Once a year	<b>75%</b>	NEW	NEW	Expected Jun 2021
KPI 3.5	Communities in the Europeana Network Association	Number of active communities	Once a year	<b>4</b>	-	6	Expected Aug 2021

<sup>69</sup> <https://pro.europeana.eu/post/european-commission-seeks-your-views-on-future-of-digital-and-culture>

<sup>70</sup> <https://pro.europeana.eu/page/europeana-initiative-position-consultation-on-opportunities-offered-by-digital-technologies>

<sup>71</sup> <https://pro.europeana.eu/about-us/events>

<sup>72</sup> <https://pro.europeana.eu/page/conference>

<sup>73</sup> <https://pro.europeana.eu/page/webinars>

KPI 3.6	Task forces in the Europeana Network Association	Number of active task forces per month	Monthly	5	6	6	8
RM 3.8	Retention rate of Europeana Network Association Members	% of members who renewed their membership in 2020	Upon occasion	-	NEW	NEW	Expected Nov 2020
RM 3.9	Working groups in the Europeana Network Association	Number of active working groups per month	Bi-monthly	-	2	-	2
RM 3.10	Active members in the Europeana Network Association	Number of members participating in task forces and working groups per month	Bi-monthly	-	NEW	NEW	125
RM 3.11	Research Grants events	Total number of events organised (cumulative) <sup>74</sup>	Bi-monthly	-	4	4	1
RM 3.12	People reached with research Grants events	Total number of people participating in events (cumulative)	Bi-monthly	-	300	300	120
RM 3.13	Research Grants outcomes	Total number of outcomes delivered (cumulative)	Bi-monthly	-	-	-	Expected Aug 2021
RM 3.14	Reach to Europeana Research community	Number of people reached per month	Bi-monthly	-	4,773	-	5,100

<sup>74</sup> Note: due to the COVID pandemic some events of the Research Grants programme 2019 are still due to be completed in 2020/2021.

		(Mailing list, Twitter)					
RM 3.15	Traffic to Europeana Pro	Number of visits per month	Monthly	-	20,009	20,241	27,316
RM 3.16	Returning visitors to Europeana Pro	Percentage of visitors returning	Monthly	-	36.4%	32.7%	38.2%
RM 3.17	New visitors to Europeana Pro	Total number of new visitors per month	Monthly	-	12,726	13,615	16,882
RM 3.18	Satisfaction rate for Europeana Pro	Average satisfaction on a 5-point Likert scale	Once a year	-	NEW	NEW	July 2021
RM 3.19	Reach to Europeana Communicators community	Number of people reached per month (Newsletter, LinkedIn, mailing list)	Bi-monthly	-	909	-	1,186

In the reporting period two new task forces started: Impact Lite<sup>75</sup> and Europeana as a 'powerful platform for storytelling'<sup>76</sup>.

In September one Research Grants event 2019 was organised. The Digital Repository of Ireland in collaboration with the Research Data Alliance - Ireland node organised the first of two webinars on FAIR data in the cultural heritage sector.<sup>77</sup> 120 people attended and the country representation included non-European states such as New Zealand, Canada, United States, India, Australia, Brasil. The recordings were made available afterwards<sup>78</sup> and will be curated in sight of the publication on DARIAH Campus.

Traffic to Europeana Pro in August 2020 reflected our usual trend of seeing traffic decrease in the summer months, however with 20,241 visits we received over 3,000 more visits compared to the same period in 2019. In particular the announcement of copyright

<sup>75</sup> <https://pro.europeana.eu/project/impact-lite>

<sup>76</sup> <https://pro.europeana.eu/project/europeana-as-a-powerful-platform-for-storytelling>

<sup>77</sup> <https://www.dri.ie/using-fair-data-galleries-libraries-archives-and-museums-glam-sector-29-september-2020>

<sup>78</sup> <https://www.rd-alliance.org/using-fair-data-galleries-libraries-archives-and-museums-glam-sector>

webinars<sup>79</sup> drew high traffic to the site, with over 1,000 visitors to that page. Traffic in September was high with 27,316 visits. September is now the second most visited month in the year, after April when we launched our COVID section. In September we published many news and announcements, in particular the launch of the Europeana 2020 call for proposals<sup>80</sup> and related promotion was successful in driving engagement, with nearly 3,500 people viewing the related news articles and call.

*Risk assessment: nurture networks*

<b>Risk</b>	<b>Likelihood of occurrence</b>	<b>Impact</b>	<b>Mitigation strategy</b>
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	Medium	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	High	Provide calls to action, meeting and webinars, useful tools and material, active information flow
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 <sup>81</sup> and are not considered to meet the quality criteria to be used in academic research	High	Medium	Create awareness of the importance of the FAIR principles in the GLAM sector.
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.

<sup>79</sup>

<https://pro.europeana.eu/post/copyright-when-sharing-data-with-europeana-introducing-a-new-webinar-series>

<sup>80</sup> <https://pro.europeana.eu/post/europeana-2020-we-re-looking-for-your-contribution>

<sup>81</sup> <http://www.go-fair.org/fair-principles/>

### **Task 3.3. Strengthen national infrastructures**

**Partners:** EF

Under this task we will maintain and develop activities that demonstrate the value of the Europeana Initiative to national infrastructures. We will facilitate the adoption of our Licensing Framework and reinforce the value in a common legal framework (objective 3.3.1.). We will develop and maintain the Europeana Impact Framework and an evidence base to establish a measure of change and progress across the sector (objective 3.3.2.). We will also engage with EU Member States to raise awareness of the Europeana Initiative and engage in relevant policy areas (objective 3.3.3).

*Overview of outcomes: strengthen national infrastructures*

Partner	Outcomes	Progress	Aug M24	Sep M25	Oct M26	Nov M27	Dec M28	Jan M29	Feb M30	Mar M31
<b>Objective 3.3.1. Develop and maintain interoperable licensing framework</b>										
EF/ENA	Guidelines on good practice for institutions to manage copyright developed and promoted	10%	█							
EF/ENA	Copyright Community Task Force: rights labelling Task Force completed	70%	█	█	█	█	█			
EF	RightsStatements.org Task Force: Supporting the implementation of statements completed	20%	█	█	█	█	█	█	█	█
EF	RightsStatements.org strategy and plan 2021 developed	Not started								
EF	Europeana strategy to manage copyright 2020+	100%	█	█						
EF	Develop UGC approach for copyright to support Europeana and Europeana Generic Services	100%	█	█						
EF	RightsStatements.org: Implementing recommendations of membership model	60%	█	█	█	█	█	█	█	█
<b>Objective 3.3.2. Developing the evidence of digital transformation</b>										
EF	Longitudinal research into impact of EF services supported	Ongoing	█	█	█	█	█	█	█	█



EF	Report on impact research and development published	70%	■	■	■	■	■			
ENA	Impact lite Task Force completed	5%	■	■	■	■	■	■	■	■
EF	Impact question bank published on Europeana Pro	20%	■	■	■	■	■	■	■	■
EF	Phase 3 Europeana Impact Playbook published	Not started								
EF	New Professionals Task Force completed	60%	■	■	■	■	■			
<b>Objective 3.3.3 Engage with Member States</b>										
EF	German presidency Europeana conference	80%	■	■	■					
EF	German Presidency Europeana conference report published	Not started								
EF	Portuguese presidency event/report	Not started								

*Europeana strategy to manage copyright 2020+<sup>82</sup>* - the document provides clarity on the objectives that Europeana works towards when it comes to copyright, aligned with the Europeana Strategy 2020-2025 Empowering Digital Change.

*Develop UGC approach for copyright to support Europeana and Europeana Generic Services<sup>83</sup>* - Europeana increasingly relies on content generated by users or machines which adds value to the cultural heritage data we share, and makes it accessible and reusable. This content raises new questions, including ones related to copyright: what can we enrich and transcribe, and how do we label, or license, the results? In this post, we share our thoughts and ask our partners, networks and data providers for feedback.

*Reporting metrics: strengthen national infrastructures*

No.	Description	Measured by	Frequency	Target Y2	Jul 2020	Aug 2020	Sep 2020
KPI 3.7	Take up of rs.org	Percentage of active aggregators that integrated rs.org in their infrastructure	Once a year	<b>35%</b>	71%	-	Expected Aug 2021

<sup>82</sup> <https://pro.europeana.eu/post/europeana-copyright-2020-2025>

<sup>83</sup> <https://pro.europeana.eu/post/transcriptions-subtitles-and-enrichments-sharing-our-copyright-approach>

RM 3.20	Use of rs.org by accredited aggregators	Percentage of accredited aggregators that share data using a rights statements from the rs.org	Once a year	-	NEW	NEW	Expected Aug 2021
RM 3.21	Use of rs.org rights statements	Number of objects published on the Europeana website with a rs.org rights statement (excluding content Tier 0)	Once a year	-	NEW	NEW	Expected Aug 2021
RM 3.22	Reach to Europeana Copyright community	Number of people reached per month (Mailing list, Twitter, newsletter)	Bi-monthly	-	2,671	-	3,098
RM 3.23	Reach to Europeana Impact community	Number of people reached per month (Newsletter, LinkedIn)	Bi-monthly	-	1,149	-	1,352
RM 3.24	Satisfaction with the Europeana EU presidency events	Average satisfaction on a 5-point Likert scale	Upon occasion	-	-	-	Expected Oct 2020

*Risk assessment: strengthen national infrastructures*

<b>Risk</b>	<b>Likelihood of occurrence</b>	<b>Impact</b>	<b>Mitigation strategy</b>
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.
Ongoing Impact research cannot be completed or updated in a timely manner due to external factors during the process (e.g. insufficient data collection)	Medium	Medium	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. We are scheduling webinars to guide professionals through the toolkit and to introduce the resources available. We are also developing a question bank to make the process of using the toolkit even more accessible.

## Work package 4: Programme management

EF will provide high-quality programme management for Europeana DSI-4 (task 4.1.). We will manage good relations with Europeana DSI Generic services (GS) projects and the integration of GS project outcomes (task 4.2.). We will work closely with the European Commission, the Expert Group on Digital Cultural Heritage and Europeana (DCHE) and its subgroups to review activities and developments of the Europeana Initiative (task 4.3.). Full documentation of Europeana DSI will also be provided to facilitate the transfer processes to a successor supplier (task 4.4.).

### Task 4.1. Programme management of Europeana DSI-4

**Partners:** EF

EF will coordinate Europeana DSI-4 as described in the tender and implementation plan (M18 and M24).

#### *Overview of outcomes*

Partner	Outcomes	Progress	Aug	Sep	Oct	Nov	Dec	Jan	Feb	Mar
			M24	M25	M26	M27	M28	M29	M30	M31
EF	Programme management	Ongoing								

EF	B.1 Implementation plan M24	100%	■							
B.2/B.3	Periodic reports M24	100%	■							
B.4	Annual report M24	100%	■							
D.2	Study on impact of digitisation and reuse of cultural heritage M24	100%	■							
EF	C.2/C.3 Users and usage report M25	100%	■	■						

In the reporting period, we submitted several deliverables to EC. Periodic report M24, Annual report M24, and C.2/C.3 Users and usage report are available on Europeana Pro.<sup>84</sup>

### *Risk assessment*

<b>Risk</b>	<b>Likelihood of occurrence</b>	<b>Impact</b>	<b>Mitigation strategy</b>
Individual outcomes require more work than anticipated which might affect other outcomes committed to	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	High	Medium	Management of expectations towards individual outcomes, communication and awareness building of challenges, agreeing on priorities

### *Communication and dissemination activities*

<b>Partner</b>	<b>Name of event</b>	<b>Activity</b>	<b>Location</b>	<b>Date</b>
No activities in M24/M25.				

### **Balance of efforts**

The balance of efforts table states the foreseen and actual percentages of resources allocated to each of the four work packages and its related tasks.

### *Balance of efforts per Work Package*

<b>Work package</b>	<b>Foreseen</b>	<b>Actual Sep 2020</b>
<b>WP 1: Strengthen the infrastructure</b>	<b>49.50%</b>	<b>51.66%</b>

<sup>84</sup> Available on the Europeana DSI-4 project page. <https://pro.europeana.eu/project/europeana-dsi-4>

Task 1.1. Easy data publishing	11.60%	12.94%
Task 1.2. Europeana website experience	14.90%	13.85%
Task 1.3. Reliable platforms	8.40%	9.96%
Task 1.4. Discoverability of digital cultural content	14.60%	14.91%
<b>Work package 2: Improve data quality</b>	<b>17.50%</b>	<b>16.75%</b>
Task 2.1. Quality assured data	12.50%	11.02%
Task 2.2. Enriched data	5.00%	5.55%
<b>Work package 3: Build capacity</b>	<b>26.50%</b>	<b>21.60%</b>
Task 3.1. Build capacity of aggregators and professionals	10.80%	10.16%
Task 3.2. Nurture networks	9.60%	6.51%
Task 3.3. Strengthen national infrastructures	6.10%	4.93%
<b>Work package 4: Programme management</b>	<b>6.50%</b>	<b>10.17%</b>
Task 4.1. Programme management of Europeana DSI-4	6.00%	7.67%
Task 4.2. Relations with Europeana DSI Generic Services projects	0.20%	1.29%
Task 4.3. Governance (DCHE)	0.10%	1.12%
Task 4.4. Phasing-in and phasing-out periods	0.20%	0.09%
<b>TOTAL</b>	<b>100%</b>	<b>100%</b>

### Major changes in staff, if applicable

No updates for M24/M25.

### Task 4.2. Relations with Europeana 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: Europeana Generic Services projects

Partner	Outcomes	Progress	Aug M24	Sep M25	Oct M26	Nov M27	Dec M28	Jan M29	Feb M30	Mar M31
EF	Programme coordination	Ongoing								
EF	Space on Europeana Pro promoting tools developed under GS projects	100%								
<b>Objective 4.2.1. Supporting Europeana Generic Services (CEF-TC-2018-1) call</b>										
EF	Judaica Europeana 2.0 <sup>85</sup>	N/A <sup>86</sup>								
EF	LinBi <sup>87</sup>	N/A								
EF	Europeana Archaeology <sup>88</sup>	N/A								
EF	Europeana Common Culture <sup>89</sup>	90%								
<b>Objective 4.2.2. Supporting Europeana Generic Services (CEF-TC-2019-1) call</b>										
EF	Europeana XX <sup>90</sup>	40%								
EF	Europeana Pagode <sup>91</sup>	N/A								
<b>Objective 4.2.3. Supporting Europeana Generic Services (CEF-TC-2020-1) call</b>										
No active work in M24/M25.										

In August 2020, eight GS tools developed under the CEF-TC-2017-3<sup>92</sup> call (Transcribathon<sup>93</sup>, Enhanced Universal Media Player<sup>94</sup>, Dashboard<sup>95</sup>, Storytelling<sup>96</sup>, MotionNotes<sup>97</sup>, MovesCollect & MovesScraShapbook<sup>98</sup>, CrowdHeritage platform<sup>99</sup>, Culture Chatbot tool<sup>100</sup>) were featured under the Services and Tools<sup>101</sup> section on Europeana Pro. The Historiana

<sup>85</sup> <https://www.jhn.ngo/judaica-europeana-20/>

<sup>86</sup> In projects marked with N/A (not applicable) we are neither partners nor project coordinators. Therefore, a progress indication is not provided.

<sup>87</sup> <https://linbi.eu/>

<sup>88</sup> <https://pro.europeana.eu/project/europeana-archaeology>

<sup>89</sup> <https://pro.europeana.eu/project/europeana-common-culture>

<sup>90</sup> <https://pro.europeana.eu/project/europeana-xx>

<sup>91</sup> <https://pro.europeana.eu/project/pagode-europeana-china>

<sup>92</sup> <https://ec.europa.eu/inea/en/connecting-europe-facility/cef-telecom/apply-funding/2017-cef-telecom-call-europeana-cef-tc-2017-3>

<sup>93</sup> <https://pro.europeana.eu/page/transcribathon>

<sup>94</sup> <https://pro.europeana.eu/page/enhanced-unified-playout-service>

<sup>95</sup> <https://pro.europeana.eu/page/dashboard>

<sup>96</sup> <https://pro.europeana.eu/page/storymaker>

<sup>97</sup> <https://pro.europeana.eu/page/motionnotes>

<sup>98</sup> <https://pro.europeana.eu/page/movescollect-and-movesscrapbook>

<sup>99</sup> <https://pro.europeana.eu/page/crowdheritage>

<sup>100</sup> <https://pro.europeana.eu/page/culture-chatbot>

<sup>101</sup> <https://pro.europeana.eu/about-us/services-and-tools>

Activity Builder is showcased under the relevant Teachers section on europeana.eu. All tools were promoted on the respective project pages<sup>102</sup> and in relevant blog posts on Europeana Pro.

### **Task 4.3. Governance (DCHE)**

**Partners:** EF

Under WP7 EF reports to the European Commission, the Expert Group on Digital Cultural Heritage and Europeana (DCHE)<sup>103</sup> 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.

No activities in M24/M25.

### **Task 4.4. Phasing-in and phasing-out periods**

**Partners:** EF

The task provides correct and up-to-date information to the European Commission on assets and liabilities related to the Europeana platform and tests phasing-out and transfer processes to a successor supplier.

No activities in M24/M25.

---

<sup>102</sup> <https://pro.europeana.eu/page/generic-services-projects>

<sup>103</sup> <https://ec.europa.eu/digital-single-market/en/expert-group-digital-cultural-heritage-and-europeana-dche>

## Annex: Outcome update B.2/B.3 Periodic report (M24)

This annex gives an overview of the outcomes that were still in progress in B.2/B.3 Periodic report M24.

Outcome	Status
<b>Work package 1: Operating, maintaining and developing Europeana DSI as the pan-European online cultural platform</b>	
<b>Task 1.1. Easy and rewarding data publishing</b>	
Improvement of resilience and performance of Metis/ECloud infrastructure and libraries	This work has been fully completed as part of the release of Metis and eCloud V2 (Objective 1.1.1. Extend and maintain Metis)
Identify and prioritize new data ingestion pilots	Lower priority for this year; picked up as part of outcome: Metis Sandbox data sources extended (Objective 1.1.2. Enable Metis Sandbox)
<b>Task 1.2. Collections experience</b>	
The blogs no longer exist as a separate platform and are authored and displayed in the same format as the rest of the site	Outcome added to Task 1.2 Europeana website experience
IIIF and full-text is visible in newspaper collection	Covered by outcome: Public release of search within newspaper pages (Objective 1.2.2. Deliver better search experience)
Item page updated (media viewers, multilingual metadata, full-text, related entities)	Outcome added to Task 1.2 Europeana website experience
Users can explore curated datasets [available on Europeana Pro] on the Europeana website	Outcome deprioritised; once outcome is active this outcome will be reported on in the periodic report
Report on improvement of search	Outcome covered/feeds into new outcome: Updated search strategy delivered (Objective 1.2.2. Deliver better search experience)
Proof of Concept BERT-based search with Europeana XX: report on search experiments (Europeana XX GS project)	GS contribution we support to inform overall improvements to search; not explicitly covered by DSI outcome
Users can see and scroll to all occurrences of where their keyword was found (IIIF full-text items)	Covered by outcome: Public release of search within newspaper pages (Objective 1.2.2. Deliver better search experience)



EDM model for annotations agreed and finalised	Outcome covered by ongoing EDM maintenance (Objective 2.1.2. Maintain data and publishing frameworks, standards and documentation) and the annotation task force will reference to this outcome (Objective 2.1.3. Influence global interoperability and technological innovation)
Users can log-in to Europeana, like items and create galleries (internal release)	Completed in August 2020, reported on under Task 1.2 Europeana website experience
Functionality for third parties to publish exhibitions and galleries in place (MS32)	Done - milestone document sent to EC in August 2020.
Connect Europeana data back into Creative Commons search	Europeana data is now visible in creative commons search <sup>104</sup> . We continue to work with Creative commons to optimise how the data is used, and to ensure rights statements are correct. Periodic updates will continue to be made under Objective 3.3.1. Develop and maintain interoperable licensing framework.
Europeana items can be easily embedded outside the Europeana website	Minor outcome; not explicitly mentioned as outcome in new structure; expected by the end of 2020;
<b>Task 1.3. Infrastructure</b>	
Migration of log analysis services (ELK)	Relate to infrastructure maintenance and outcome: Production hosting environment reconfirmed [IBM]; upgrade is paused up until new hosting environment is confirmed.
<b>Work package 2: Quality assured content supply</b>	
<b>Task 2.1. Aggregators and providers are motivated to raise the quality of collections</b>	
Report on implementing a metadata quality framework (MS7)	Done - milestone document sent to EC in August 2020.
<b>Task 2.2. Raise quality of aggregated data</b>	
Review of data quality plans and ingestion planning (Europeana Common Culture GS project)	GS outcome; not mentioned in new structure.
<b>Task 2.3. Influence global interoperability and technological innovation</b>	
Make Europeana available on relevant AI-related platforms	Covered by outcome: Training data is shared on pilot platforms (max six platforms) (Objective 2.2.3. Establish machine-learning platforms)

<sup>104</sup> <https://search.creativecommons.org/search?q=europeana&source=europeana>

Share machine learning discussion paper with AI taskforce	Covered by outcome: Machine learning discussion paper delivered to AI in relation to GLAMs Task Force (Objective 2.2.3. Establish machine-learning platforms)
Share machine learning notebook proof-of-concept	Covered by outcome: Jupyter notebook proof-of-concept is shared with Network (Objective 2.2.3. Establish machine-learning platforms)
EuropeanaTech TF: Interoperability of annotations and user sets	Covered by outcome: Interoperability of annotations and user sets Task Force is supported (Objective 2.1.3. Influence global interoperability and technological innovation)
EuropeanaTech TF: AI in relation to GLAMs	Covered by outcome: AI in relation to GLAMs Task Force is supported (Objective 2.1.3. Influence global interoperability and technological innovation)
<b>2.4. Implement an international, interoperable licensing framework</b>	
Europeana strategy to manage copyright 2020+	Completed, reported on under Objective 3.3.1. Develop and maintain interoperable licensing framework.
Develop UGC approach for copyright to support Europeana and Europeana Generic Services	Completed, reported on under Objective 3.3.1. Develop and maintain interoperable licensing framework.
Copyright training materials for Europeana data partners (webinars, videos, FAQ)	Webinars underway <sup>105</sup> , FAQ is covered by outcome: FAQ Europeana Pro available (Objective 3.2.5. Maintain and develop the Europeana Pro website) and videos not started. Outcome will be reported on under Objective 3.3.1. Develop and maintain interoperable licensing framework.
RightsStatements.org: recommendations for development of implementation package	Covered by outcome: RightsStatements.org Task Force: Supporting the implementation of statements completed (Objective 3.3.1. Develop and maintain interoperable licensing framework)
RightsStatements.org: Implementing recommendations of membership model	Outcome added to Objective 3.3.1. Develop and maintain interoperable licensing framework.
Europeana Copyright community: Guidelines on copyright management for CHIs	Covered by outcome: Guidelines on good practice for institutions to manage copyright developed and promoted (Objective 3.3.1. Develop and maintain interoperable licensing framework)
<b>Work Package 3: Fostering reuse of digital cultural heritage resources</b>	
<b>Task 3.1. Engage with educational communities</b>	

<sup>105</sup> For example: <https://pro.europeana.eu/post/copyright-when-sharing-data-with-europeana-introducing-a-new-webinar-series>

Development of the Olympic Flame Game by a community member	No DSI commitment and not included in the new structure; the outcome is provided voluntarily by an ENA education community member; Outcome will be concluded in the upcoming year.
Workshop 'Connecting formal and informal education with digital cultural heritage'	Completed in August 2020, reported under Objective 1.4.3. Engage with educational communities.
Fit for education case study (MS46)	Done - milestone document sent to EC in August 2020.
Europeana Education publication and brochure	Completed in August 2020, reported under Objective 1.4.3. Engage with educational communities.
Teaching with Europeana best practices 2019 - 2020 booklet	Completed in August 2020, reported under Objective 1.4.3. Engage with educational communities.
<b>Task 3.2. Engage with academic research communities</b>	
Research community TF: Research requirements	Covered by outcome: Research Community: Research Requirements TF's recommendations on researchers' needs <sup>106</sup> available (Objective 3.2.3. Engage with research communities)
Research Community: call for series of videos about digital projects at CHIs	Covered by outcome: Research Community: Research Community blog series on Europeana Pro launched (Objective 3.2.3. Engage with research communities)
Third Content integration in CLARIN VLO (evaluation, selection, integration) (MS88)	Completed In August 2020, reported under Objective 3.2.3. Engage with research communities.
Research on community generated content initiatives	Completed, reported under Objective 3.2.3. Engage with research communities.
OCLC integration	Outcome added to Objective 3.2.3. Engage with research communities.
Co-organisation of digital panel on WWII digital collections	Completed, reported under Objective 3.2.3. Engage with research communities.
Swedish National Heritage board events: workshop (Europeana Research Grants programme)	Covered by outcome: Research Grants (2019): Events and outputs completed (Objective 3.2.3. Engage with research communities)
University of Amsterdam events (Europeana Research Grants programme)	Covered by outcome: Research Grants (2019): Events and outputs completed (Objective 3.2.3. Engage with research communities)

<sup>106</sup> <https://pro.europeana.eu/project/research-requirements>

Digital Repository of Ireland events (Europeana Research Grants programme)	Covered by outcome: Research Grants (2019): Events and outputs completed (Objective 3.2.3. Engage with research communities)
Launch of 2020 Research Grants	Covered by outcome: Research Grants (2020) launched (Objective 3.2.3. Engage with research communities)
<b>Task 3.3. Engage with API consumers</b>	
API engagement strategy (MS89)	Done - milestone document sent to EC in August 2020.
<b>Work Package 4: Communication and Dissemination</b>	
<b>Task 4.1. Engage with professionals in the cultural heritage sector</b>	
Pro tourism hub & theme	Related to outcome: Discovering Europe season completed (Objective 1.4.1. Deliver high-quality editorial features); Pro activity supports main campaign;
Online social media event during Europeana 2020 conference	Related to outcome: Annual Conference: Europeana 2020 (Objective 3.1.1. Deliver rewarding events for professionals);
Europeana 2020 Conference	Covered by outcome: Annual Conference: Europeana 2020 (Objective 3.1.1. Deliver rewarding events for professionals);
Refining the digital programme & events section on Europeana Pro	Outcome by outcome: More flexible solution for event display on Pro implemented (Objective 3.2.5. Maintain and develop the Europeana Pro website)
<b>Task 4.2. Engage with European citizens</b>	
Discovering Europe season	Covered by outcome: Discovering Europe season completed (Objective 1.4.1. Deliver high-quality editorial features)
New translations of popular exhibitions	Completed, reported under Objective 1.4.1. Deliver high-quality editorial features.
Echos of an Empire: Byzantine Musical Instruments through the Ages exhibition	Completed, reported under Objective 1.4.1. Deliver high-quality editorial features.
Solidarity: A Peaceful Revolution exhibition	Completed, reported under Objective 1.4.1. Deliver high-quality editorial features.
<b>Work Package 5: Animate and further enlarge the Europeana Network Association</b>	
<b>Task 5.1 Engage and nurture the Europeana Network Association</b>	
ENA membership campaign	Covered by outcome: Membership campaign 2020 concluded (Objective 3.2.1. Maintain and develop the

	effective governance of ENA/EAF)
<b>Task 5.2. Europeana EU presidency events</b>	
German Presidency event (MS56)	Covered under outcome: German presidency Europeana conference (Objective 3.3.3 Engage with Member States)
<b>Work Package 6: Studying the impact of digitisation and reuse of cultural heritage</b>	
<b>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</b>	
Study on the costs and funding of digitisation (MS58)	Done - milestone document sent to EC in August 2020.
<b>Task 6.2. Assess the impact of services that support the digital transformation of cultural heritage</b>	
RightsStatements.org Consortium	Ongoing, covered by outcome: Report on impact research and development published (Objective 3.3.2. Developing the evidence of digital transformation)
Europeana Network Association 2020	Done, under review by Europeana members council, covered by outcome: Report on impact research and development published (Objective 3.3.2. Developing the evidence of digital transformation)
Europeana Digital Programming Series 2020	Done, under review by Communicators community steering group, covered by outcome: Report on impact research and development published (Objective 3.3.2. Developing the evidence of digital transformation)
Europeana Tech/ Europeana Foundation and IIF implementation	Done, under review by EuropeanaTech and IIF consortium, covered by outcome: Report on impact research and development published (Objective 3.3.2. Developing the evidence of digital transformation)
Europeana Presidency Events 2019/20	Done, under review by Europeana Foundation staff, covered by outcome: Report on impact research and development published (Objective 3.3.2. Developing the evidence of digital transformation)
Naturalis case study	Ongoing, covered by outcome: Report on impact research and development published (Objective 3.3.2. Developing the evidence of digital transformation)
New Professionals Task Force	Launched <sup>107</sup> , added to Objective 3.3.2. Developing the evidence of digital transformation.
Impact Lite Task Force	Launched <sup>108</sup> , covered by outcome: Impact lite Task

<sup>107</sup> <https://pro.europeana.eu/project/new-professionals>

<sup>108</sup> <https://pro.europeana.eu/project/impact-lite>

	Force completed (Objective 3.3.2. Developing the evidence of digital transformation)
<b>Work Package 7: Governance</b>	
No open outcomes.	
<b>Work Package 8: Phasing-in and phasing-out periods</b>	
No open outcomes.	
<b>Work Package 9: Project and Programme Management</b>	
B.1 Implementation plan M24	Done - delivered to EC in August 2020.
D.2 Study on impact of digitisation and reuse of cultural heritage	Done - delivered to EC in August 2020.

## Annex: Updates towards milestones

The table states the status of open milestones to be delivered in year 2 of Europeana DSI-4. Some outcomes were delivered to EC as milestones documents. For the other outcomes, short outcome descriptions are added as footnotes.

MS No.	WP	Description	Verification	Status
<b>Europeana DSI-4, year 2 (before August)</b>				
MS69	WP1	Review of as-is architecture landscape	Milestone document delivered to EC	Done, Aug 20 - M24 (confirmed by EC)
MS58	WP6	Study on the costs and funding of digitisation	Milestone document delivered to EC	Done, Aug 20 - M24 (confirmed by EC)
MS82	WP1	Publication of schema.org for item pages	Schema.org for item pages published	Delayed, expected in 2021 <sup>109</sup> (confirmed by EC)
MS7	WP1	Report on implementing a metadata quality framework	Milestone document delivered to EC	Done, Aug 20 - M24 (confirmed by EC)
MS92	WP4	Sport season initiated	Sport season initiated	Delayed, expected in 2021 <sup>110</sup> (confirmed by EC)
<b>M24 - August 2020</b>				

<sup>109</sup> Outcome added to B.1 Implementation plan M24 - (see task 1.2).

<sup>110</sup> Outcome added to B.1 Implementation plan M24 - (see task 1.4 autumn season).

MS11	WP2	Review of the data quality plans	Milestone document delivered to EC	Done
MS15	WP2	Overview of new (potential and proposed) content providers per Aggregating Partner	Milestone document delivered to EC	Done
MS31	WP1	Review of rights information	Confirmation by WP leader	Done <sup>111</sup>
MS32	WP1	Functionality for third parties to publish exhibitions and galleries in place	Milestone document delivered to EC	Done
MS34	WP1	Updated source code on GitHub	-	Done <sup>112</sup>
MS36	WP2	List of aggregator specific events	Milestone document delivered to EC	Done
MS46	WP3	Fit for education case study	Milestone document delivered to EC	Done
MS52	WP4	3-4 Transcribathons organised	Confirmation by WP leader	Done <sup>113</sup>
MS61	WP6	Cost-benefit analysis on Europeana	Study ready	Delayed to 2021/2022 <sup>114</sup> (confirmed by EC)
MS71	WP3	60 new learning scenarios integrating Europeana resources	Confirmation by WP leader	Done <sup>115</sup>
MS77	WP2	Updated statistics dashboard (V2)	Confirmation by WP leader	Delayed, expected in Oct 20 - M26 <sup>116</sup> (confirmed by EC)
MS87	WP3	Promotion videos created	Promotion videos created	Done <sup>117</sup>
MS88	WP3	VLO content integration	VLO content integrated	Done <sup>118</sup>

<sup>111</sup> We updated the [pages](#) where data providers find guidance on how to deal with copyright when sharing data with Europeana following the feedback we received from them during the Spring 2020 aggregator forum. We also refined the information provided in the [copyright community page](#) with resources such as webinars to support the sector's capacity building efforts, a need they indicated via the [December 2019 survey](#).

<sup>112</sup> EF updated and will update the source code upon every deployment. Updates are done almost daily. <https://github.com/europeana>

<sup>113</sup> In the past year, we organised six participatory events to encourage cultural enthusiasts to transcribe historical documents. Two online events and four physical transcribathon events were organised in cooperation with heritage institutions throughout Europe (Austria, Germany, Romania, and Poland).

<sup>114</sup> Outcome will be added to B.1 Implementation plan M36.

<sup>115</sup> By August 2020, we had in total 442 new learning resources integrating Europeana content.

<sup>116</sup> Outcome will be added to B.1 Implementation plan M24 - (see task 2.1).

<sup>117</sup> All the promotional videos are hosted in the EUN's Youtube video channel: 11 videos are available here: <https://www.youtube.com/playlist?list=PLtA54levDap0kZvNvTPp087gGfV3rij8C>

<sup>118</sup> Outcome reported on under Objective 3.2.3. Engage with research communities.

MS89	WP1	API engagement strategy	Milestone document delivered to EC	Done
MS91	WP4	FAQ (Europeana Pro)	FAQ database added	Delayed, expected in Oct 20 - M26 <sup>119</sup> (confirmed by EC)

## Annex: Progress on deliverables (M25-M36)

This table states progress on deliverables and what deliverables were submitted to EC.<sup>120</sup>

ID	Description	Due month	Done	Due
A.1	Platform reports	Every 10 months, starting M10	-	M30 (Feb 2021)
B.1	Implementation Plan	M01 and every 12 months thereafter	-	M36 (Aug 2021)
B.2/ B.3	Periodic reports	Every 2 months, starting M2	M26 (Oct 2020)	M28 (Dec 2020) - M36 (Aug 2021)
B.4	Annual report	Every 12 months, starting M12	-	M36 (Aug 2021)
B.5	Final report	Last month of the contract M36 (Aug 2021) or M48 (Aug 2022) in case of renewals		
C.1	Technical documentation	Every 12 months, starting M32	-	M32 (Apr 2021)
C.2/ C.3	Users and usage report	Every 5 months, starting M5	M25 (Sep 2020)	M30 (Feb 2021), M35 (Jul 2021)
C.4	Stress and disaster recovery test reports	Every 12 months, starting M31	-	M31 (Mar 2021)
D.1	Communication and dissemination plan	Every 9 months, starting M9	-	M27 (Nov 2020), M36 (Aug 2021)
D.2	Study on impact of digitisation and reuse of cultural heritage	October every second year, starting Y2	-	-

<sup>119</sup> Outcome added to B.1 Implementation plan M24 - (see task 3.2).

<sup>120</sup> Note: the schedule of deliverables was updated in January 2020.



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 months before the contract ends (M20, April 2020) or M32 (April 2021)/44 (April 2022) in case of renewals	-	4 months before the contract ends: M32 (April 2021) or M44 (April 2022) in case of renewals
E.2	Transfer process report		-	
E.3	Employed staff report		-	

## Annex: Glossary of terms

Formal definitions of terms used frequently are detailed in the glossary of terms<sup>121</sup> 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: IIF image server	The IIF image server allows to efficiently store, share and provide access to IIF 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: <a href="https://www.europeana.eu/portal/en/explore/people/61016-alphonse-mucha.html">https://www.europeana.eu/portal/en/explore/people/61016-alphonse-mucha.html</a>
Entity API	The Entities API allows to search on or retrieve information from named entities.
MARC21	Format for Bibliographic Data

<sup>121</sup> <https://pro.europeana.eu/resources/standardization-tools/glossary>

Metis	Data and aggregation infrastructure through which allows to import, transform, validate and enrich metadata. <a href="https://metis.europeana.eu/home">https://metis.europeana.eu/home</a>
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. <a href="https://en.wikipedia.org/wiki/Schema.org">https://en.wikipedia.org/wiki/Schema.org</a>
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.