



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

CONTRACT NUMBER - LC - 00822914

**DELIVERABLE**

**B.2/B.3 Periodic report M46**

<b>Revision</b>	1.0
<b>Date of submission</b>	30 June 2022
<b>Author(s)</b>	Management team and 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	23-06-2022	Valentine Charles, Jochen Vermeulen, Dasha Moskalenko, Antoine Isaac, Hugo Manguinhas, Douglas McCarthy, Isabel Crespo, Jolan Wuyts, Henning Scholz, Julia Fallon, Gina van der Linden, Sebastiaan ter Burg, Nicole McNeilly, Zuzana Malicherova, Alba Irollo, Nicholas Jarrett, Ariadna Matas, Shadi Ardalan, Alex Romaniuc, Milena Popova, Albert Verhaar, Julia Schellenberg	Europeana Foundation	Draft
1.0	30-06-2022	Julia Schellenberg, Valentine Charles, Hannah Baker Hitzhusen	Europeana Foundation	Final version

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.

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

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## Highlights

This report highlights further developments completed for the Metis Extended Sandbox. Recommendations for developments were collected via various user training and user feedback sessions.

In the period, we completed outcomes related to search. Europeana's search engine can now properly index place information (geographic coordinates) for objects and stories (editorial content) are now searchable on the website.

In May, we kicked off the Digital Storytelling Festival - an international creative contest that brings people and cultural heritage together, organised in partnership with The Heritage Lab, India.

We completed several outcomes that foster the use of digital cultural heritage for educational purposes. EuroClio completed a series of training and co-creation sessions to aggregators and CHIs with willingness and capacity to create learning materials on Historiana; EuroClio completed a webinars series for advanced users; and EUN and EF engaged primary and secondary school teachers, museum educators and any other CHI professionals as part of the Europeana Education Competition 2022.

We also supported higher education students at the University in Leuven, Belgium and Leiden University, Netherlands who started to use the Europeana APIs as a case study for the use of APIs for personal projects in the GLAM sector.

In the period, we supported the Europeana Aggregators' Forum meeting and also organised a IIF training for aggregators. We also completed the impact assessment of the Europeana 2021 conference which showed that the conference increased learning and capacity building outcomes in all instances measured.

We also completed a series of events for the Research Grants Programme 2021. All the events brought together cultural heritage professionals, academics and researchers and involved 130+ professionals.

Finally, we completed version 2 of the Europeana Capacity Building Framework.

## Introduction

The periodic report describes work carried out under Europeana DSI-4 from 1 April 2022 (M44) until 31 May 2022 (M45) based on the implementation plan (B.1 deliverable M36).

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>2</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 as well as the integration of other project outcomes (including Generic Services (GS) projects) into Europeana DSI.

All outcomes to be completed as stated in B.1 Implementation plan M36 are included in this periodic report. All implementation plan outcomes are stated in the overview of outcomes tables 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. Key Performance Indicators (KPIs) as well as other reporting metrics are also presented, and discussed in case of notable occurrences.

For each task, associated risks are stated and assessed based on probability of occurrence and severity of impact.<sup>3</sup> The risk assessment is reviewed and updated bi-monthly; in the event of changes (e.g. updates or new risks), an explanation is added to the risk assessment.

### Explanatory notes for tables reporting - colour codes

	Outcomes as stated in the implementation plan M36 <sup>4</sup>
	Colour blue indicates the expected timeframe of the outcome
	Colour black indicates that an outcome was completed in the reporting period
%	Progress until end of current reporting period

<sup>2</sup> <https://pro.europeana.eu/page/strategy-2020-2025-summary>

<sup>3</sup> Probability and impact are rated with 5 levels (very high (5), high (4), medium (3), low (2), or very low (1)). The risk rating is probability multiplied by impact. If probability is medium (3) and impact is high (4), then the rating would be 12 (3 x 4). The rating gives an understanding of the risk and its effects on the operations of the Europeana services. A risk rating above 15 can be seen as high risk while a rating of 25 is devastating.

<sup>4</sup> 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
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
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
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. It focuses 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 and 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. This year, developments will continue to revolve around the implementation of the aggregation strategy<sup>5</sup>. We will speed up and enhance the reliability of the publishing process via Metis (objective 1.1.1.), support data providers in the testing of their data via the Metis Sandbox (objective 1.1.2.) and also invest in a fast-track for publishing data in Europeana (objective 1.1.3.).

*Overview of outcomes: easy data publishing*

Partner	Outcomes	Progress	Due date	Apr M44	May M45	Jun M46	Jul M47	Aug M48
<b>Objective 1.1.1. Extend and maintain Metis</b>								
EF, PSNC	Incremental media processing implemented	50%	Aug '22 <sup>6</sup>					
PSNC	eCloud data model reviewed and refactored	50%	Aug '22					
PSNC	Data storage mechanisms in eCloud optimised	60%	Aug '22					
EF, PSNC	System upgrades and performance are maintained (bugs fixing, infrastructure upgrades, refinement of existing features) - 20% of M44/M45	Ongoing	-					
EF, PSNC	Notification available that warns Metis user if any records have tier 0	Not started	Aug '22					
<b>Objective 1.1.2. Enable Metis Sandbox</b>								

<sup>5</sup> <https://pro.europeana.eu/post/europeana-dsi-4-aggregation-strategy>

<sup>6</sup> Implementation plan M36 due date is Jun '22. Adjusted due date for Aug '22 approved by EC.

EF, PSNC	Metis <i>Extended Sandbox</i> supports one additional data source for conversion to EDM	Done	Dec '21					
EF	Tiers calculation module in Metis <i>Extended Sandbox</i> available	Done	Jan '22					
EF	Training resources (V1) for Metis Sandbox (for Aggregators) developed	Done	Feb '22					
EF	Feedback for further development of the Metis <i>Extended Sandbox</i> is collected	100%	Apr '22	■				
EF, PSNC	Metis <i>Extended Sandbox</i> data sources options for conversion to EDMs extended	Ongoing <sup>7</sup>	-					
EF	Metis Sandbox consolidated and maintained (bugs fixing, infrastructure upgrades, refinement of existing features) - 15% of M44/M45	Ongoing	-					
<b>Objective 1.1.3. Enable fast track publishing workflow</b>								
EF, PSNC	Report on review and proposed amendments to the Aggregation Strategy roadmap (including progress update)	Done	Apr '22	■				
EF, PSNC	Validated Aggregation Strategy roadmap actions implemented	70%	Jul '22	■	■			
EF	MS1 Report on progress on the aggregation strategy delivered (internal)	Not started	Aug '22					

*Feedback for further development of the Metis Extended Sandbox is collected* - since the end of 2021 we have gone through various user training and user feedback sessions. We have made some adjustments in the application based on these sessions and continue to do so. Some examples of user-suggested improvements we have made during the last few months are:

- We have completely redone the dataset creation form, giving users a better one-screen overview rather than splitting it in various components.
- We have decreased the response time of the action of submitting a dataset for processing by doing some data loading and processing asynchronously. Practically, this makes the user experience more smooth and creates less confusion as to what the application is doing or waiting for.
- We have provided better copy functionality in the record reports so that users can more easily copy the record IDs they wish to look up.
- We have adjusted the wording of numerous labels and texts to create a more understandable and relatable user experience.

<sup>7</sup> The outcome was adjusted to "Ongoing". Adjustment was approved by EC.



We have also implemented a 'helpdesk' option for users. Through a link in the application users are able to navigate to a Jira Helpdesk, set up to receive user-created tickets for bugs, feature suggestions and general remarks/requests for assistance. In addition to allowing the team to respond to the users in a structured and visible manner, this gives us an even better feeling for directions we can take in the area of continued application development. The functionality's availability is pending a release in production of the Metis Sandbox.

*Report on review and proposed amendments to the Aggregation Strategy roadmap (including progress update)<sup>8</sup>* - we updated the Aggregation Strategy roadmap to reflect on the latest implementation status of the roadmap actions. This period also provided the opportunity to reflect on the Aggregation Strategy based on the received feedback and discussions with data partners and to make some recommendations for a future amendment of the strategy. The recommendations will be further developed as part of MS1 which we propose to provide an updated version of the strategy.

*Validated Aggregation Strategy roadmap actions implemented (intermediate update)* - additional actions were identified and were either implemented or are currently in progress. The details of these actions can be read in the report on review and proposed amendments to the Aggregation Strategy roadmap (Apr 2022).

*Risk assessment: easy data publishing*

ID	Risk	Probability	Impact	Rate	Mitigation strategy	Change
R1.1	The work planned for DSI-4 Y4 may require more preparation of requirements analysis and design than envisaged which may delay implementation.	High (4)	Low (2)	8	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.	-
R1.2	Too many data providers don't handle their OAI datestamps properly (i.e. according to the intentions behind the OAI standard), thus preventing us from gaining the expected performance benefits of incremental processing.	Medium (3)	Low (2)	6	1) Raising awareness on the OAI specifications with aggregators; 2) An additional feature can be implemented that can detect changed records in a different way. This method would be prone to false positives (i.e. change detected where no change exists), but may perform better.	-

<sup>8</sup> Available on request.

R1.3	The storage space on our Casandra servers runs out before we manage to put a sustainable deletion cycle in place.	Low (2)	Low (2)	4	A combination of emergency cleanups of old data and more (temporary) storage capacity.	-
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## **Task 1.2. Europeana website experience**

**Partners:** EF and 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 consortium maintains and continuously improves the website with a focus on a satisfying experience for users. We will extend 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 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	Due date	Apr M44	May M45	Jun M46	Jul M47	Aug M48
EF	Europeana website usability and performance maintained (bugs fixing, security & software updates) - 20% of M44/M45	Ongoing	-					
<b>Objective 1.2.1. Extend user engagement features</b>								
EF	About us page redesigned (implementation)	Done	Nov '21					
EF	Organisation pages available on Collections hub page	Done	Dec '21					
EF	Delete functionality for user account available	Done	Jan '22					
EF	Classic portal decommissioned	Done	Mar '22					
EF	Homepage redesigned (implementation)	60%	Jul '22 <sup>9</sup>					
<b>Objective 1.2.2. Deliver better search experience</b>								
EF	Recommendations service (API and front end) is extended to support entity powered	Done	Dec '21					

<sup>9</sup> Implementation plan M36 due date is Jun '22. Adjusted due date for 15 Jul '22 approved by EC.

	collections and user specific recommendations <sup>10</sup>								
EF	New design for search filters implemented	Done	Feb '22						
EF	Update on Search Strategy roadmap	Done	Feb '22						
EF	New design for entity filters implemented	Done	Mar '22						
EF	Search by location/georeference criteria (indexing implementation) (M-F20)	100%	Apr '22	■					
EF	Tuning the weight of different fields in ranking (M-F8) (first experiments)	25%	Jun '22	■	■	■			
EF, AIT Vienna	New transcriptions are displayed and searchable live	75%	Aug '22	■	■	■	■	■	
EF	Search widget for editorial content implemented similar to how the related entity collections appear in search	100%	Aug '22 (May '22)	■	■				
EF	MS2 Report on progress on the search strategy delivered (internal)	Not started	Aug '22						
EF	Search relevance and performance maintained	Ongoing	-						
<b>Objective 1.2.3. Extend multilingual reach</b>									
EF	Multilingual search for the Spanish destination implemented and deployed	Done	Dec '21						
EF	First implementation and evaluation of the metrics and KPIs <sup>11</sup> , focusing on entities	Done	Feb '22						
EF	Update on Multilingual Strategy roadmap	Done	Feb '22						
EF	Multilingual search for the Spanish destination further evaluated for technical quality and further improved and assessed strategically and technically for transposition to other languages	100%	Apr '22	■					
EF	Prioritise normalisation of not-yet normalised tags (in original and dereferenced data)	80%	Jun '22	■	■	■			
EF	MS3 Report on progress on the multilingual strategy delivered (internal)	Not started	Aug '22						

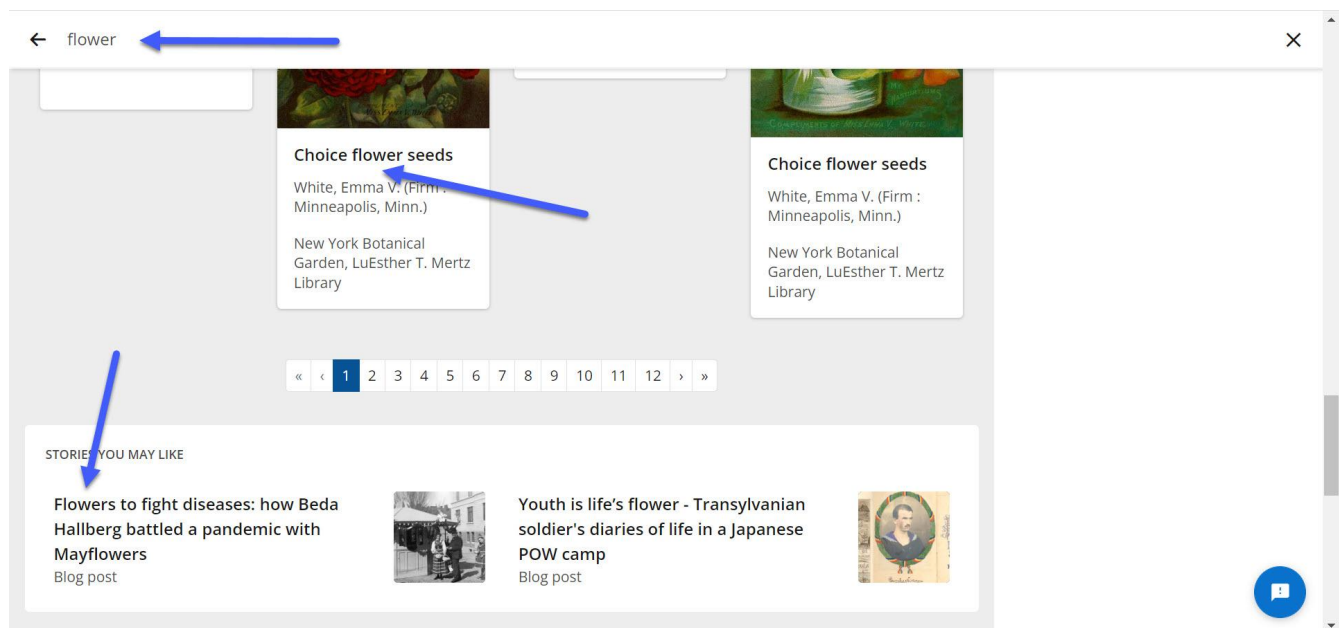
<sup>10</sup> The recommendation engine itself is developed by Europeana XX Generic Services project.

<sup>11</sup> KPIs here stand for targets for data quality or multilinguality we will start measuring and not KPIs we will report on.

EF	Maintain user interface translations in supported languages	Ongoing	-						
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*Search by location/georeference criteria (indexing implementation) (M-F20)* - Europeana's search engine can now properly index place information for objects and it provides a functionality for software to trigger a search for these objects by entering geographic coordinates. This is necessary for enabling more advanced search functionality in the future, such as search on a map.

*Search widget for editorial content implemented similar to how the related entity collections appear in search<sup>12</sup>* - Stories (editorial content) are now also searchable on the website. At the bottom of the search results on the search results page and on the entity collection pages one can now see the stories related to that search query. This feature makes it easier for people to discover stories relevant to their current interest.



*Multilingual search for the Spanish destination further evaluated for technical quality and further improved and assessed strategically and technically for transposition to other languages<sup>13</sup>* -

The evaluation of the Spanish to English translation pilot highlighted the complexity of assessing the quality of search results in a multilingual context and provided some key insights in the amount of resources and the costs that would need to be mobilised to safely deploy the service to all 23 languages of Europe in a production setting. We will continue implementing the different components of Search in the Spanish destination pilot to further develop our evaluation

<sup>12</sup> You can view an example of the implementation at the bottom of this page.

<https://www.europeana.eu/en/search?page=1&view=grid&query=flower>

<sup>13</sup> Report available on request.

methodology (including user evaluation) and to allow the development of the multilingual experience in a direction that can provide more visible results and support for more direct user feedback.

*Reporting metrics: Europeana website experience*

No.	Description	Measured by	Frequency	Target	Apr 2021	Apr 2022	May 2021	May 2022
KPI 1.1	Traffic to Europeana website	Number of visits per month	Monthly	<b>500,000</b>	473,827	427,900	487,140	429,500
KPI 1.2	Returning visitors to Europeana website	Percentage of returning visitors	Monthly	<b>15%</b>	15.20%	7.74%	13.10%	7.52%
KPI 1.3	Satisfaction rate for Europeana website	Average satisfaction on a 5-point Likert scale <sup>14</sup>	Bi-annual	<b>75%</b>	73.69%	-	-	Expected Jul '22
KPI 1.4	Downloads on the Europeana website	Total number of downloads (cumulative)	Monthly	<b>240,000</b>	92,002	125,495	100,749	142,009
RM 1.1	New visitors to the Europeana website	Total number of new visitors per month	Monthly	-	333,946	394,773	364,676	397,214
RM 1.2	Visit duration on the Europeana website	Average time spent per visit	Monthly	-	01:50	02:27	01:31	02:19
RM 1.3	Page views on Europeana website	Average amount of pages viewed per visit	Monthly	-	3.21	2.69	2.84	2.47
RM 1.4	Click-throughs to partner websites	Total number of click-throughs (cumulative)	Bi-monthly	-	-	-	149,140	137,270

<sup>14</sup> The average satisfaction on a 5-point Likert scale is translated into % (e.g. an average of 3.6 stars equals a satisfaction rate of 72%).

RM 1.5	User feedback for the Europeana website	Total number of user feedback received via feedback button (cumulative)	Bi-monthly	-	-	-	679	558
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We continue to see a lower user return rate (compared to previous year) as a result of reduced tracking capabilities. More information is available in the C.2/C.3 Users and usage reports<sup>15</sup>.

*Risk assessment: Europeana website experience*

ID	Risk	Probability	Impact	Rate	Mitigation strategy	Change
R1.4	Traffic on Europeana website (KPI 1.1) is below target	Low (2)	Medium (3)	3	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; and improving the multilingual experience on the website	-
R1.5	Returning visitors on Europeana website (KPI 1.2) is below target: product/content not good enough to encourage people to return	Very low (1)	Very low (1)	1	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	-
R1.6	Satisfaction rate for the Europeana website is low	Medium (3)	High (4)	12	Review europeana.eu user feedback and behaviour and take appropriate actions; monitor website performance; constant improvement of the Europeana website	-
R1.7	Expectations regarding multilingual	High (4)	Low (2)	8	Regularly evaluate and communicate the results of	-

<sup>15</sup> Available on the Europeana DSI-4 project page in the document section. <https://pro.europeana.eu/project/europeana-dsi-4>

strategy are higher than what available language technology enables us to implement				evaluation to stakeholders. Adapt plans to the performance level of technology.	
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### **Task 1.3. Reliable platforms**

**Partners:** EF and 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).

*Overview of outcomes: reliable platforms*

Partner	Outcomes	Progress	Due date	Apr M44	May M45	Jun M46	Jul M47	Aug M48
<b>Objective 1.3.1. APIs and infrastructure are high-performing</b>								
EF, AIT Vienna	Full disaster recovery test completed <sup>16</sup>	Done	Mar '22					
EF	Recommendation service is fine-tuned and production ready	50%	Aug '22 <sup>17</sup>					
EF	Alternative hosting platforms investigated	50%	Jun '22					
EF	Solr and Mongo reindexed <sup>18</sup>	Ongoing	-					
EF, AIT Vienna	Core APIs are maintained (incidents, bugs, technical debt improvements, software updates, releases) - 25% of M44/45	Ongoing	-					
EF	Infrastructure is maintained (bugs, attacks, clean-ups, upgrades, back-ups) - 30% of M44/45	Ongoing	-					

*Alternative hosting platforms investigated (intermediate updated)* - The migration of the APIs to the new Kubernetes cluster is still ongoing. Stress tests are currently being performed to determine the optimal configuration for memory and CPU usage.

*Solr and Mongo reindexed (intermediate updated)* - At the beginning of May, we started preparing a significant reindexing activity that is scheduled to take place at the end of June. We started

<sup>16</sup> This outcome fed into C.4 Stress and disaster recovery test reports (March 2022).

<sup>17</sup> Implementation plan M36 due date is Jun '22. Adjusted due date for Aug '22 approved by EC.

<sup>18</sup> Outcomes in other tasks require a reindexing activity. The planning will be aligned with those outcomes.

writing the 'script', a piece of software code that performs the data modifications that go with the various outcomes that depend on this reindexing activity.

*Reporting metrics: reliable platforms*

No.	Description	Measured by	Frequency	Apr 2021	Apr 2022	May 2021	May 2022
RM 1.6	Response time of Europeana website	Average time (seconds) for single record per month	Monthly	1.58	0.86	1.5	0.89
RM 1.7	Uptime of Europeana website	Average in % for single records per month	Monthly	99.86	99.96	99.67	99.37
RM 1.8	Response time of APIs (all)	Average response time (seconds) per month	Monthly	0.2	0.17	0.22	0.16
RM 1.9	Uptime of APIs (all)	Average in % per month	Monthly	99.99	100	100	100
RM 1.10	Response time of Europeana Pro	Average response time (seconds) per month	Monthly	0.88	0.95	0.97	0.93
RM 1.11	Uptime of Europeana Pro	Average in % per month	Monthly	100	100	98.88	99.99
RM 1.12	Uptime of Metis	Average in % per month	Monthly	100	100	100	100

*Risk assessment: reliable platforms*

ID	Risk	Probability	Impact	Rate	Mitigation strategy	Change
R1.8	High traffic in form of attacks can cause interruptions in the service	Low (2)	High (4)	8	Anti-flooding mechanism to limit the traffic to real users;	-

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

**Partners:** EF, DSI AGG, 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 collections and stories (objective 1.4.1.). Through communication and



promotion, EF will bring this material to the attention of our audiences, drive traffic to the Europeana website, and engage with digital culture (objective 1.4.2.). Activities with educational communities will cultivate 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	Due date	Apr M44	May M45	Jun M46	Jul M47	Aug M48
<b>Objective 1.4.1. Deliver high-quality editorial features</b>								
EF	Europeana Sport season content <sup>19</sup> published and promoted	Done	Sep '21					
EF	Black History Month (autumn season)	Done	Oct '21					
EF	Women's History Month	Done	Mar '22					
EF, DSI AGG	Editorial content (exhibitions, blogs and galleries) <sup>20</sup> published and promoted	Ongoing	-					
EF, DSI AGG	Stories page <sup>21</sup> and new feature pages <sup>22</sup> published and promoted	Ongoing	-					
EF	New European Bauhaus <sup>23</sup> content published	Ongoing	-					
EF	European Year of Youth content published	Ongoing from Jan 2022	-					
EF	Exhibition: Napoleon and urbanism in the 19th century	100%	May '22					
EF	Exhibition: Nature crafting fashion	100%	May '22					
<b>Objective 1.4.2. Communication and dissemination to European citizens</b>								
EF	GIF IT UP organised	Done	Oct '21					
EF	Black History Month promoted	Done	Oct '21					
EF	Women's History Month promoted	Done	Mar '22					
EF	Digital Storytelling Festival promoted	100%	May '22					

<sup>19</sup> Editorials from the Europeana Sport Generic Services project contributed to this outcome <https://pro.europeana.eu/project/europeana-sport>

<sup>20</sup> Editorials from (Europeana) Generic Services projects contribute to this outcome.

<sup>21</sup> <https://www.europeana.eu/stories>

<sup>22</sup> For example: <https://www.europeana.eu/pandemics>

<sup>23</sup> <https://www.europeana.eu/new-european-bauhaus>

EF	Newsletter and social media posts (Facebook, Twitter, Instagram, Pinterest) published <sup>24</sup>	Ongoing	-						
<b>Objective 1.4.3. Engage with educational communities</b>									
EuroClio	Historiana learning resources support different media types (including audio and audiovisual sources)	Done	Dec '21						
EF	Annual Open Education Week: contribution added	Done	Mar '22						
EF	All Digital Week campaign: contribution added	Done	Mar '22						
EUN	4 runs and language versions of the Digital Education with Cultural Heritage MOOC launched	Done	Mar '22						
EuroClio	Training session on partner pages organised	100%	Apr '22	■					
EUN	Europeana Education competition finalised	100%	May '22	■	■				
EuroClio	Webinar series for Historiana users (4 webinars organised)	100%	May '22	■	■				
EuroClio	Train-the-trainers sessions organised	75%	Jul '22	■	■	■	■		
EuroClio	15 multilingual Historiana eLearning activities produced	70%	Aug '22	■	■	■	■	■	
EUN	55 new multilingual learning scenarios produced and curated to publish in the Teaching with Europeana blog	70%	Aug '22	■	■	■	■	■	
EuroClio	Dashboard on Historiana for partners to gain insights into usage available	65%	Aug '22	■	■	■	■	■	
EF	Blogs and social media posts (LinkedIn, Facebook, Twitter) published	Ongoing	-						
EF	Europeana Education community <sup>25</sup> supported	Ongoing	-						
EF	Open GLAM and education survey <sup>26</sup>	50%	Jul '22	■	■	■	■		

<sup>24</sup> Editorial outcomes of GS projects are promoted.

<sup>25</sup> <https://pro.europeana.eu/page/europeana-education>

<sup>26</sup> <https://oeg.centrumcyfrowe.pl/index.php/336775?lang=en>

Objective 1.4.4. Attract API users and grow data usage					
EF	API outreach strategy updated (internal)	Done	Jan '22		
EF	API libraries, FAQs, and tutorials maintained and updated	80%	Aug '22	■	■
EF	Europeana API services presented at relevant CH events	Ongoing	-		
EF	1:1 support and changes/improvements of Europeana API services communicated to users	Ongoing	-		
EF	1:1 support to higher education students	100%	May '22	■	■

*Exhibition: Napoleon and urbanism in the 19th century*<sup>27</sup> - this exhibition was created by the European Federation of Napoleonic Cities – Destination Napoleon. The Federation brings together more than 50 European cities whose history has been marked by Napoleonic influence. The cross-reading of particularly important and contrasting pages of European history is intended to be a major contribution to our shared heritage. The exhibition was published in French and English.

*Exhibition: Nature crafting fashion*<sup>28</sup> - this exhibition was created as part of the project CRAFTED<sup>29</sup> that focuses on a diverse set of crafts-related items and develops curatorial outputs and activities that address the specific material qualities of newly aggregated and already existing objects related to the subject on Europeana. The project supports the transfer of European crafts to future generations by aggregating, enriching and promoting tangible crafts heritage and preserving intangible skills and knowledge from craftsmen and artisans.

*Digital Storytelling Festival promoted*<sup>30</sup> - Digital Storytelling Festival is an international creative contest that brings people and cultural heritage together, organised in partnership with The Heritage Lab, India. To kick off the Festival's second edition, we hosted an online Opening Gala on 10–11 May, full of interactive workshops, practical tips and presentations to encourage participation and reuse of cultural heritage. We welcomed 363 unique participants over the two days, and the audience satisfaction rate was 83%.

*Training session on partner pages organised*<sup>31</sup> - In order to offer a tailored service, from March on EuroClio offered a series of personalised training and co-creation sessions to aggregators and CHIs with willingness and capacity to create learning materials on Historiana. These sessions put together members of the EuroClio teaching community with curators to comb through their

<sup>27</sup> <https://www.europeana.eu/exhibitions/napoleon-and-urbanism-in-the-19th-century>

<sup>28</sup> <https://www.europeana.eu/en/exhibitions/nature-crafting-fashion>

<sup>29</sup> <https://pro.europeana.eu/project/crafted>

<sup>30</sup> <https://pro.europeana.eu/event/digital-storytelling-festival>. The festival started in May and will run until June 2022. We will report on the completed festival in the next report.

<sup>31</sup>

<https://pro.europeana.eu/post/realising-the-potential-of-glam-collections-through-partnerships-between-educators-and-cultural-heritage-professionals>

collections, select sources that have educational value, and develop eLearning resources that are ready for classroom use. First one was in March with the Dutch Royal Library to experiment with newspapers for educational use. As a result, teachers selected several newspaper sources on the theme of 'Women's Struggle to Vote', which will turn into source collections and eLearning Activities on the Dutch Royal Library's Partner Page<sup>32</sup>. From the end of April, together with Photoconsortium, EuroClio started a series of online co-creation meetings that have resulted so far in three new Source Collections on the Photoconsortium's Partner Page<sup>33</sup>: 'Photographic portraits in Girona in 1920-1940', 'Madness and Art', and 'From the land of the Rhine to the empire of the dragon'. New eLearning Activities will be published before the end of August.

*Europeana Education competition finalised*<sup>34</sup> - In collaboration with the 2022 STEM Discovery Campaign<sup>35</sup>, the Europeana Education Competition 2022<sup>36</sup> took place between 15 February and 30 of April. It invited primary and secondary school teachers of all subjects, museum educators and any other CHI professionals to submit learning scenarios and stories of implementation that show innovative ways of using Europeana arts and science heritage in educational activities, with the aim to highlight the importance of using new pedagogical approaches and digital means. A total of 111 entries were received and reviewed over the course of May 2022. A group of 21 winners and the Europeana Ambassadors are invited to the Europeana workshop<sup>37</sup> on 10 and 11 June.

*Webinar series for Historiana users (4 webinars organised)*<sup>38</sup> - From 7 December to 24 May EuroClio organised the four webinars series for advanced users 'Using Historiana to Teach History from Different Angles'. During this series, each webinar focussed on a specific topic, using exemplar content from the Europeana collections, and a critical thinking skill. From two of those webinars, EuroClio has published a couple of articles in their website to promote the event and the content: 'Paintings of Everyday Life'<sup>39</sup> and 'Bologna and the Rise of Medieval Universities'<sup>40</sup>.

*1:1 support to higher education students* - we provided personal support to higher education students at the University in Leuven, Belgium and Leiden University, Netherlands who started to use the Europeana APIs as a case study for the use of APIs for personal projects in the GLAM sector. These students took the Europeana APIs as their first API to explore and learn about how to build platforms and projects around data received from API calls. The students learned how to use AJAX calls and other javascript integrations to get data from Europeana's database into their own projects. Europeana provided personal support by organising online support sessions and workshops where students could come to ask questions and receive help, and where students could teach each other using peer-to-peer learning. This exercise has created excellent feedback for Europeana on what higher education students struggle with or find challenging about the

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<sup>32</sup> <https://historiana.eu/partners/koninklijke-bibliotheek>

<sup>33</sup> <https://historiana.eu/partners/photoconsortium>

<sup>34</sup> <https://teachwitheuropeana.eun.org/updates/europeana-workshop-2022/>

<sup>35</sup> <http://www.scientix.eu/events/campaigns/sdc22>

<sup>36</sup> <https://teachwitheuropeana.eun.org/europeana-competition-2022/>

<sup>37</sup> <https://www.facebook.com/groups/EuropeanaEducation/permalink/1658062467908720/>

<sup>38</sup> <https://euroclio.eu/event/using-historiana-to-teach-history-from-different-angles-2/>

<sup>39</sup> <https://euroclio.eu/2022/05/04/paintings-of-everyday-life-how-art-can-be-used-in-history-lessons/>

<sup>40</sup> <https://euroclio.eu/2022/03/14/bologna-and-the-rise-of-medieval-universities-a-blog-post/>

Europeana API suite, and will inform how we further develop documentation and capacity building resources for educators looking to use GLAM APIs in the future.

*Communication and dissemination activities*

Partner	Name of event	Activity	Location	Date
EuroClio	Railways and Connectivity	Using Historiana to teach history from different angles (fourth webinar) <sup>41</sup>	Online	24/05/2022
EF	Reuse of heritage data and open licences	Lecture to law and heritage students at University of St Gallen, Switzerland	Online	05/04/2022
EF	Journée Wikimédia Culture et Numérique 2022	Open Content today, presentation to French open access and cultural heritage professionals	Paris, France	26/04/2022

*Reporting metrics: discoverability of digital cultural content*

No.	Description	Measured by	Frequency	Target	Apr 2021	Apr 2022	May 2021	May 2022
KPI 1.5	Satisfaction rate for exhibitions	Average satisfaction on a 5-point Likert scale (cumulative) <sup>42</sup>	Monthly	<b>75%</b>	84%	85%	85%	87%
KPI 1.6	Reach on social media	Total number of impressions on social media (Facebook, Pinterest, GIPHY, Instagram, Twitter) (cumulative)	Monthly	<b>450 million</b>	412.0 million	325.6 million	451.4 million	362.0 million
KPI 1.7	Learning resources for education <sup>43</sup>	Total number of resources using Europeana data (cumulative)	Monthly	<b>50</b>	24	88	42	145

<sup>41</sup> <https://www.facebook.com/groups/EuropeanaEducation/permalink/1639880643060236/>

<sup>42</sup> The average satisfaction on a 5-point Likert scale is translated into % (e.g. an average of 3.6 stars equals a satisfaction rate of 72%).

<sup>43</sup> Metric excludes multilingual resource variations.

KPI 1.8	External learning environments for education	Total number of integrations of Europeana educational offers (cumulative)	Monthly	<b>5</b>	3	1	4	1
KPI 1.9	Satisfaction rate of educational communities	Average satisfaction on a 5-point Likert scale (cumulative)	Monthly	<b>75%</b>	82%	89%	87%	89%
RM 1.13	Editorial outcomes: exhibitions	Number of exhibitions created (cumulative)	Bi-Monthly	-	-	-	8	10
RM 1.14	Editorial outcomes: blogs	Number of blogs created (cumulative)	Bi-Monthly	-	-	-	107	105
RM 1.15	Newsletter subscribers	Total number of subscribers	Bi-Monthly	-	-	-	50,671	49,780
RM 1.16	Social media engagement	Total number of likes, shares, comments per month (Facebook, Twitter, Pinterest, Instagram)	Monthly	-	328,514	136,380	305,049	177,291
RM 1.17	Social media followers/fans	Total number on social media (Facebook, Twitter, Pinterest, GIPHY, Instagram)	Monthly	-	226,468	232,487	226,660	233,944
RM 1.18	Educators actively involved in creating learning resources (EUN)	Total number of educators (cumulative)	Once a year	-	-	-	-	Expected Aug '22

RM 1.19	Countries coverage of contributing educators (EUN)	Total number of countries (cumulative)	Once a year	-	-	-	-	Expected Aug '22
RM 1.20	Participants completing the MOOC	Total number of participants (cumulative)	Upon occasion	-	-	-	547	510
RM 1.21	Reach to Europeana Education community	Number of people reached per month (mailing list, LinkedIn, Facebook)	Bi-monthly	-	-	-	8,291	9,907
RM 1.22	API usage (REST API)	Number of API users that exceeded the average of 5 calls a day per month	Monthly	-	67	52	59	50
RM 1.23	API usage (REST API)	Number of API users that were active for more than 5 days in each month	Monthly	-	60	50	52	46
RM 1.24	API usage (REST API)	Total number of requests per month (external traffic)	Monthly	-	18.6 million	17.8 million	19.9 million	17.3 million
RM 1.25	API users (REST API)	Total number of API users per month	Monthly	-	227	138	220	176
RM 1.26	API sign-ups (REST API)	Number of API sign-ups per month	Monthly	-	91	46	109	84

In Apr/May 2022 we published 15 new blogs<sup>44</sup> and two new exhibitions<sup>45</sup>.

<sup>44</sup> <https://www.europeana.eu/en/blog>

<sup>45</sup> <https://www.europeana.eu/en/exhibitions/a-century-of-technology>

Compared to 2021 we see decreased numbers for social media engagement in 2022. This is due to the newly introduced privacy regulations on the platforms that had an impact on our activities and reporting. More information is available in the C.2/C.3 Users and usage reports<sup>46</sup>.

In April/May 2022 we produced 57 new learning resources: 46 Learning Scenarios and 11 Stories of Implementation to be published in the coming weeks on the *Teaching with Europeana*<sup>47</sup> blog.

*Risk assessment: discoverability of digital cultural content*

ID	Risk	Probability	Impact	Rate	Mitigation strategy	Change
R1.9	Editorials which depend on third party contributions might not progress as planned	Medium (3)	Medium (3)	9	Frequent communication with third party contributors; provide support and advice as required.	-
R1.10	Reach of Europeana data on social media: changes to the algorithms and pricing on social media platforms may impact our reach; stronger privacy measures across the EU make targeting on social media challenging, this might lead to a decrease in reach	High (4)	High (4)	16	Adaptation and diversification of channels, tools and platforms used (especially the channels providing direct contact with users such as email are helping to increase independency from platforms)	-
R1.12	Complete new strategy involving CHIs professionals in the education initiative. Some activities may have lower impact than expected.	Medium (3)	Low (2)	6	Continuation of the strategy in DSI-4 Y4	-
R1.13	Contact info of API key holders is outdated or API key holders are not interested in 1:1 communication and support, leading to loss of contact with API user group	Low (1)	Medium (3)	3	follow up with current API key holders to update information, ensure engaging 1:1 outreach campaigns	-

<sup>46</sup> Available on the Europeana DSI-4 project page in the document section.

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

<sup>47</sup> <https://teachwitheuropeana.eun.org/>



R1.14	Outreach to new developers does not generate interest and might prevent growing Europeana API community	Medium (3)	Medium (3)	9	Review documentation, improve API user experience.	-
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## 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, EF and DSI AGG will continue to work with data providers to raise the quality of content and metadata (objective 2.1.1.). We will also maintain and further develop our data and publishing frameworks and standards (objective 2.1.2.) while influencing global interoperability and technological innovation through our networks (objective 2.1.3.).

#### *Overview of outcomes: quality assured data*

Partner	Outcomes	Progress	Due date	Apr M44	May M45	Jun M46	Jul M47	Aug M48
<b>Objective 2.1.1. Raise the quality of content and metadata</b>								
EF	Publishing guide is updated with additional guidance on 3D requirements for content <sup>48</sup>	Done (Nov '21)	Jan '22					
EF	Report on actions taken to re-engage with inactive partners (internal)	Done Not started	Feb '22 Aug '22					
EF, DSI AGG	MS4 DSI AGG annual work plan review (internal)	Done Not started	Feb '22 Aug '22					

<sup>48</sup> <https://europeana.atlassian.net/wiki/spaces/EF/pages/2059763713/EPF+-+Publishing+guidelines>

EF	Normalisation of dates in the metadata implemented	60%	Jul '22 <sup>49</sup>					
EF	Mislabelled 3D content corrected in the Europeana database	70%	Jun '22 <sup>50</sup>					
EF	Precision of the content tier measurement of 3D content in Europeana is improved	90%	Jun '22 <sup>51</sup>					
EF, DSI AGG	Recommendations for identifying and managing diversity in cultural heritage data (internal)	60%	Aug '22					
SPK, EF	Report on OCR full-text processing and quality improvement and its impact on display and search <sup>52</sup> delivered (internal)	20%	Aug '22					
DSI AGG	Data quality improvements and new content delivered <sup>53</sup>	Ongoing	-					
EF	Data partners supported with data quality improvements and data publication (DSI, Generic services <sup>54</sup> , and others)	Ongoing	-					
EF	Regular link resolution process is maintained	Ongoing	-					
<b>Objective 2.1.2. Maintain data and publishing frameworks, standards and documentation</b>								
EF	Training resources (V1) for Statistics Dashboard developed	Done	Mar '22					
EF	First implementation of the field warnings concept to flag longtail data issues with titles and descriptions	80%	Jun '22					
EF,DSI AGG	MS5 New recommendations and updated requirements for services and products focusing on content in the EPF developed (including a report of the status of EPF) (internal)	40%	Jul '22					
EF	Statistics Dashboard maintained	Ongoing	-					
EF	EDM updated and documented	Ongoing	-					

<sup>49</sup> Implementation plan M36 due date is Jun '22. Adjusted due date for Jul '22 approved by EC.

<sup>50</sup> Implementation plan M36 due date is Aug '22. Adjusted due date for Jun '22 approved by EC.

<sup>51</sup> Implementation plan M36 due date is Aug '22. Adjusted due date for Jun '22 approved by EC.

<sup>52</sup> Contributes to FT-F3 in the Search Improvement Strategy.

<sup>53</sup> Detailed information on DSI AGG work as well as progress achieved will be provided in the annual review of work plans.

<sup>54</sup> For more information on data quality improvements and data ingestion from the Generic Services projects, please see [Annex 5: GS outcomes integration overview](#).

Objective 2.1.3. Influence global interoperability and technological innovation								
EF, NISV	EuropeanaTech community <sup>55</sup> is supported	Ongoing	-					
EF	Data Quality Committee <sup>56</sup> is supported	Ongoing	-					
EF	IIF Discovery Technical Specification Group <sup>57</sup> is supported	Ongoing	-					
EF	Data mapping and conversions with stakeholders is supported	Ongoing	-					

*Reporting metrics: quality assured data*

No.	Description	Measured by	Frequency	Target	Apr 2021	Apr 2022	May 2021	May 2022
KPI 2.1	High quality content	Percentage of Tier 2 + material (excluding content Tier 0)	Monthly	>70%	68.08%	70.42%	68.07%	70.19%
KPI 2.2	High quality and reusable content	Percentage of Tier 3+ material (excluding content Tier 0)	Monthly	>50%	45.58%	50.60%	45.53%	50.33%
KPI 2.3	High quality metadata (search, browse and explore)	Percentage of Tier A+ material (excluding content Tier 0)	Monthly	>70%	62.80%	69.45%	62.81%	69.43%
KPI 2.4	Europeana Research and Development contributions	Total number of reference papers or presentations (cumulative)	Monthly	10	9	7	12	7
RM 2.1	Broken links in the repository	Number of broken links (out of total)	Quarterly	-	-	-	-	-
RM 2.2	Non-EPF compliant content (Tier 0)	Percentage of Tier 0 content	Monthly	-	15.90%	14.17%	16.01%	13.99%

<sup>55</sup> <https://pro.europeana.eu/page/europeanatech>

<sup>56</sup> <https://pro.europeana.eu/project/data-quality-committee>

<sup>57</sup> <https://iif.io/community/groups/discovery/>

RM 2.3	Updates to datasets	Total number of newly created and updated datasets per month (out of total)	Monthly	-	30	49	88	48
RM 2.4	Updates to records	Total number of newly created and updated records per month (out of total)	Monthly	-	927,296	1,623,590	610,632	2,065,616
RM 2.5	New CHIs published on Europeana website	Total number of new CHIs (cumulative)	Once a year	-	-	-	-	Expected Aug 2022
RM 2.6	New content on the Europeana website	Total number of new datasets published (cumulative)	Bi-monthly	-	NEW	-	NEW	119
RM 2.7	Records in the data repository	Total number of records (excluding content tier 0)	Monthly	-	52,189,567	51,878,513	52,318,498	52,874,114
RM 2.8	Records in the data repository by accredited aggregators	Total number of records (excluding content tier 0)	Bi-monthly	-	-	-	34,469,341	37,769,456
RM 2.9	Reach to EuropeanaTech community	Number of people reached per month (Mailing list, Twitter)	Bi-monthly	-	-	-	6,295	6,489

In Apr/May 2022, we updated 97 datasets and over 3.7 million records.

*Risk assessment: quality assured data*

ID	Risk	Probability	Impact	Rate	Mitigation strategy	Change
R2.1	Data partners don't control content quality and have difficulties to	High (4)	Medium (3)	12	The new Europeana website is much better featuring high quality	-

	incentivise the improvement of content 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.	
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## **Task 2.2. Enriched data**

**Partners:** EF, AIT Vienna, F&F, and DSI AGG (AIT Graz, APEF, 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 will help categorise items more usefully for website visitors (objective 2.2.1.). The use of crowdsourcing will see data quality enriched before it is ingested by Europeana while Artificial Intelligence (AI) technologies will support multilinguality, search and data quality (objective 2.2.2.).

### *Overview of outcomes: enriched data*

Partner	Outcomes	Progress	Due date	Apr M44	May M45	Jun M46	Jul M47	Aug M48
<b>Objective 2.2.1. Extend entities to support better browsing</b>								
EF	Enrichment with new entities for new/updated items available	Done	Mar '22					
EF, AIT Vienna	Curation pilot within entity pages completed	10%	Aug '22					
EF	Representation of organisation entities is improved	70%	Aug '22					
EF, AIT Vienna	Entity collection is maintained, improved and expanded	Ongoing	-					
EF	Data enrichments reviewed, assessed and integrated (DSI, Generic Services, and others)	Ongoing	-					
<b>Objective 2.2.2. Use of crowdsourcing and AI to enrich metadata</b>								
EF	Agreement on further AI/ML experiments and assessments	Done	Jan '22					

EF	Report on two selected areas for experimentation and assessment of AI (including assessment of relevant work in GS projects) (internal)	Not started	Jul '22					
AIT Graz	Curated metadata enrichment and curated content clustering through expert crowdsourcing	75%	Aug '22					
APEF	Tool for automated topic detection updated to beta version	75%	Aug '22					
APEF	2 projects on enriching metadata via crowdsourcing completed	75%	Aug '22					
Photoco ns	2 crowdsourcing campaigns to enrich data completed	75%	Aug '22					
F&F, EF	Transcribathon runs/events organised and transcriptions transferred to Europeana	Ongoing	-					
F&F	Transcribathon.eu maintained	Ongoing	-					

*Representation of organisation entities is improved (intermediate update)* - during the first enrichment with organisation entities, about 13 million records were not assigned to one of the organisation entities stored in our CRM system. In the last reporting period, we have completed the addition of missing organisations to our CRM system and also cleaned up a lot of organisation related information in our CRM system (e.g. language and country information, typos). This was the prerequisite to ensure a correct enrichment of organisation information in our ingested metadata against the entity collection for organisations powered by the data in our CRM system.

*Risk assessment: enriched data*

ID	Risk	Probability	Impact	Rate	Mitigation strategy	Change
R2.2	Some entity relations are currently of low quality.	High (4)	Low (2)	8	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.	-
R2.3	The existence of plans with regards to employing AI in Europeana raise wrong expectations on the capacity of the technology to fix all of	Medium (3)	Low (2)	6	Clearly position Europeana's current effort as being experimental. Regularly report on evaluation and observed limitations of the available technology (especially with	-

Europeana's data problems				respect to scarcity of data to correctly train AI systems)
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## Work package 3: Build capacity

WP3 will support professionals and partners to build capacity for digital transformation in three principal areas. We will engage with professionals and partner organisations by organising and supporting events and by providing training and professional development resources (task 3.1.). Secondly, we will nurture our networks, in particular by supporting the governance and operations of the Europeana Network Association (ENA) and Europeana Aggregators' Forum (EAF). This will also 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 within the cultural sector. We will continue to develop a programme of high quality events and raise the standards of practices and knowledge building activities (objective 3.1.1.). As part of our capacity building activities we will continue to deliver a variety of events for professionals (objective 3.1.2.). To be able to increase the knowledge in the sector we will also organise and support training activities and provide professional development resources (objective 3.1.3.).

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

Partner	Outcomes	Progress	Due date	Apr M44	May M45	Jun M46	Jul M47	Aug M48
<b>Objective 3.1.1. Develop event programming and training practices</b>								
EF	Method for assessing satisfaction of training resources implemented	Done	Jan '22					
EF	Impact assessment of Europeana 2021 conference delivered (internal)	100%	Apr '22	█				
EF	Guidelines for delivering training and development activities developed (public)	60%	Jun '22	█	█	█		
EF	Events Toolkit updated (public)	75%	Jul '22	█	█	█	█	

EF	Report on the evaluation of CHI satisfaction with capacity building services and tools delivered (internal)	25%	Jul '22	■	■	■	■	
EF	Events programme supported and improved (events calendar, formats, tools)	75%	Aug '22	■	■	■	■	■
EF	Activities of the international Events Manager Group coordinated <sup>58</sup>	Ongoing	-					
<b>Objective 3.1.2. Deliver events for professionals and partners</b>								
EF	Europeana Annual Conference 2021 organised	100%	Nov '21					
EF	Europeana Aggregators' Forum Fall meeting organised	100%	Nov '21					
EF	Europeana Aggregators' Forum & annual outreach event organised	75%	Jul '22	■	■	■	■	
EF	Themed programme of events supported and delivered (ENA and communities, EAF, DSI AGG and others)	Ongoing	-					
EF	Europeana Aggregators' Forum April 2022	100%	Apr '22	■				
<b>Objective 3.1.3. Deliver training and professional development resources</b>								
EF	Version 1 of Europeana Knowledge Base for aggregators released (public)	Done	Jan '22					
EF	Report on the assessment of training needs for Europeana technical tools and services completed (internal)	Done	Jan '22					
DEN	DEN Leadership programme 2nd Cohort completed	Done (Feb '22)	Jun '22					
EF, DEN	Feasibility report for DEN Leadership programme for Europeana completed (internal)	70%	Jul '22	■	■	■	■	
EF	Knowledge sharing activities, training and resources delivered and published	Ongoing	-					
EF	Crowd-sourced open inventory of training opportunities maintained	Ongoing	-					

<sup>58</sup> The Events Managers Group includes several partner organisations including: Liber, Creative Commons, RightsConn, NEMO, Museum Computer Network, GIJN, Accessnow, IFLA, EuropaNostra and Wikimedia Foundation.



DSI AGG, F&F	Training workshops, webinars and/or one-to-one support provided	Ongoing	-					
EF	IIIF training for EAF	100%	May '22					

*Impact assessment of Europeana 2021 conference delivered (internal)*<sup>59</sup> - for the third year, we conducted an impact assessment of the annual conference to understand to what extent we are supporting capacity building through convening the sector in the conference. Europeana 2021 was held completely online for the second time and there were high levels of satisfaction from both speakers and attendees. Learning and capacity building outcomes increased in all instances measured. Even more participants report learning something that they could use in their work but, like in the past, report not being able to make a tangible change. Though barriers to creating change in heritage organisations exist that are beyond Europeana’s control, Europeana can continue to respond with prioritising programming that provides the participants with concrete mechanisms (e.g. training) with a clear link to helping create change. Despite the online format, the feeling of being part of a community around digital heritage increased.

*Europeana Aggregators’ Forum April 2022* - the EAF meeting on 4 & 5 April was the first ever hybrid event that we organised. We had 32 participants (incl. EF staff) in the event location at the Netherlands Institute for Sound and Vision. An additional 55 colleagues joined the meeting online. Out of the 40 accredited aggregators, 35 were represented with one or more colleagues during the meeting. On day one we had the EAF general assembly, followed by a session on making out of commerce works available online. We had a couple of updates on the programme, from the Aggregators’ User Group, the Digital Transformation Task Force and the upcoming Enumerate Survey. It was also discussed how the EAF and its partners can help Ukraine and CHIs in the country. Day two was focussed entirely on the development of the Europeana data space for culture and the role of the EAF. Several aspects discussed in a series of workshops have been considered, to ensure aggregators can collaborate well to contribute to the development of the data space. In the meantime, the EAF outreach event has been scheduled for 11 July, as the public facing event of the EAF in 2022.

*IIIF training for EAF* - A IIIF training was organised for aggregators. The goal of the training was for people to create a IIIF manifest and an EDM record, and to preview the result in the Metis Sandbox environment. 11 aggregator representatives participated. The recordings of the event will be added to the training resources<sup>60</sup>. These resources can be used for future self paced and instructor-led training.

*Reporting metrics: build capacity of aggregators and professionals*

No.	Description	Measured by	Frequency	Target	Apr 2021	Apr 2022	May 2021	May 2022
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<sup>59</sup> Available on request.

<sup>60</sup> See <https://training.iiif.io/europeana/>

KPI 3.1	Aggregator satisfaction with Europeana (accredited aggregators)	Average satisfaction on a 5-point Likert scale <sup>61</sup>	Once a year	75%	-	-	-	Expected Aug '22
KPI 3.2	CHI satisfaction with aggregator (partner in Europeana DSI-4)	Average satisfaction on a 5-point Likert scale	Once a year	75%	-	-	-	Expected Jul '22
RM 3.1	Events organised for professionals	Number of events (cumulative)	Bi-monthly	-	-	-	39	21
RM 3.2	Participants attending events for professionals	Number of participants (cumulative)	Bi-monthly	-	-	-	2,727	2,455
RM 3.3	Satisfaction rate for events for professionals <sup>62</sup>	Average satisfaction on a 5-point Likert scale (cumulative)	Bi-monthly	-	NEW	-	NEW	84%
RM 3.4	Satisfaction rate for annual conference (Europeana 2021)	Average satisfaction on a 5-point Likert scale	Once a year	-	-	-	-	-
RM 3.5	CHIs supported by DSI aggregators	Total number of CHIs supported by individual consultation (cumulative)	Bi-annual	-	-	-	-	Expected Aug '22
RM 3.6	Coverage of CHIs supported by DSI aggregators	Total number of countries that received support by individual	Bi-annual	-	-	-	-	Expected Aug '22

<sup>61</sup> The average satisfaction on a 5-point Likert scale is translated into % (e.g. an average of 3.6 stars equals a satisfaction rate of 72%).

<sup>62</sup> We measure the satisfaction at a selected number of events and acknowledge the survey as valid once it reaches a minimum number of respondents.

		consultation (cumulative)						
RM 3.7	Outreach to CHIs	Total number of new CHIs collaborating with DSI aggregators (cumulative)	Bi-annual	-	-	-	-	Expected Aug '22
RM 3.8	Events delivered through the EAF training programme	Number of events delivered by DSI AGG and EF (cumulative)	Bi-monthly		-	-	44	18 <sup>63</sup>
RM 3.9	Participants attending EAF training programme	Number of participants in events delivered by DSI AGG and EF (cumulative)	Bi-monthly		NEW	-	NEW	838

In Apr/May 2022, EF held five events for professionals<sup>64</sup> with 553 participants attending in total. Events organised in Europeana DSI-4 Y4 so far received a high average satisfaction of 84%. DSI AGG (co)organised two training events with 94 people attending in the period (such as workshops, webinars or presentations at an outreach event).

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

Partner	Name of event	Activity	Location	Date
<b>Events organised for professionals</b>				
EF	EAF Spring 2022 <sup>65</sup>	Meeting	hybrid	4&5/04/2022
EF	Sporting Heritage: a GIF-making workshop <sup>66</sup>	Webinar	online	06/04/2022
EF	Copyright office hours: risk management approaches to rights clearance	Meeting	online	19/04/2022

<sup>63</sup> In 2021 also presentations, in general, were counted in the number, now only events that have a clear training focus are counted.

<sup>64</sup> <https://pro.europeana.eu/page/webinars>

<sup>65</sup> <https://www.eventbrite.co.uk/e/europeana-aggregators-forum-meeting-spring-2022-tickets-27735091304747>

<sup>66</sup> <https://pro.europeana.eu/event/sporting-heritage-a-gif-making-workshop>

	<sup>67</sup>			
EF	Digital Storytelling Festival <sup>68</sup>	Meeting	online	10&11/05/2022
EF	Policy office hours: open access, copyright, and ethics <sup>69</sup>	Meeting	online	17-05-2022
<b>Events organised by EAF</b>				
MCA (MUSEU)	DSI - Webinar Digital sobriety <sup>70</sup>	A webinar exploring the needs and opportunities of digital sobriety for GLAMs diving into the main themes of this new concept while exploring the existing guidelines and the good practices.	online	27-04-2022
CARARE	Step-by-step one travels FAIR - inspiring cultural heritage <sup>71</sup>	FAIR Principles	online	10-05-2022

*Risk assessment: build capacity of aggregators and professionals*

ID	Risk	Probability	Impact	Rate	Mitigation strategy	Change
R3.1	Professionals/ Aggregator training and development activities do not meet the needs of the partners, and we do not grow the audience for these	Low (2)	High (4)	8	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.	-
R3.2	Capacity Building Framework does not meet partner expectations or needs	Low (2)	High (4)	8	Ensure the framework is developed and implemented collaboratively with	-

<sup>67</sup> <https://pro.europeana.eu/event/copyright-office-hours-risk-management-approaches-to-rights-clearance>

<sup>68</sup> <https://pro.europeana.eu/event/digital-storytelling-festival-opening-gala>

<sup>69</sup> <https://pro.europeana.eu/event/policy-office-hours-open-access-copyright-and-ethics>

<sup>70</sup> <https://pro.europeana.eu/event/digital-sobriety-and-glams-a-new-challenge>

<sup>71</sup> <https://www.carare.eu/en/events/step-by-step-one-travels-fair-inspiring-cultural-heritage>

					stakeholders, and an effective feedback cycle is established.	
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### **Task 3.2. Nurture networks**

**Partners:** EF, CLARIN and NISV

Under this task we will maintain and develop effective governance as well as the operational activities of the Europeana Network Association (ENA)<sup>72</sup> and Europeana Aggregators' Forum (EAF)<sup>73</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.). We will continue to improve our offers by undertaking user and market research (objective 3.2.4.) and we will communicate and promote the value of the Europeana Initiative to our networks and beyond (objective 3.2.5.).

*Overview of outcomes: nurture networks*

Partner	Outcomes	Progress	Due date	Apr M44	May M45	Jun M46	Jul M47	Aug M48
<b>Objective 3.2.1. Effective governance of Network services (ENA/EAF)</b>								
EF	ENA General Assembly organised	Done	Nov '21					
EF	ENA Governance renewed (MC election and MB appointment)	Done	Jan '22					
EF	ENA Governance working group <sup>74</sup> supported	Ongoing	-					
EF	ENA and EAF periodic meetings organised (incl. ENA MB and MC, and EAF Steering Group and Forum)	Ongoing	-					
<b>Objective 3.2.2. Maintain and develop operational activities of ENA/EAF</b>								
EF	Climate Action Community launched	Done	Nov '21					
EF	ENA community work plans 2022 published	Done	Feb '22					
NISV, EF	Annual reports 2021 (ENA and EAF) published	Done	Feb '22					
NISV, EF	Annual work plans 2022 (ENA and EAF) published	Done	Feb '22					

<sup>72</sup> <https://pro.europeana.eu/network-association/sign-up>

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

<sup>74</sup> <https://pro.europeana.eu/project/governance-working-group>

EF	Recommendations on how to feedback task force recommendations to wider community (internal)	Done	Feb '22						
EF	Report of Diversity & Inclusivity Task Force published	40%	Aug '22 <sup>75</sup>						
EF	Reporting model for network engagement extended	25%	Jul '22						
EF	New aggregators reviewed for accreditation	Ongoing	-						
EF	General management support for Task Forces, Working Groups and communities (ENA/EAF/Europeana Initiative)	Ongoing	-						
EF	Supporting the Digital Cultural Heritage of Ukraine Working Group (EF/ENA/EAF)	Ongoing	-						
<b>Objective 3.2.3. Reach out and engage with other communities and networks</b>									
EF	Events of Research Grants Programme 2021 completed	100%	Aug '22 (Apr '22)						
EF, CLARIN	Outreach outcomes to research communities published	30%	Aug '22						
EF	Europeana Research community <sup>76</sup> and Research Advisory Board <sup>77</sup> supported	Ongoing	-						
EF	Partnerships supporting the digital transformation of the cultural sector nurtured	Ongoing	-						
EF	Partnership with Europeans Students Association for Cultural Heritage developed	Ongoing	-						
CLARIN	Adding high-level resources to resource families in the VLO	90%	Jul '22						
CLARIN	Organise training on how to use Europeana data sets for processing with Natural Language Processing tools	70%	Jun '22						
EF	Partnership to foster engagement with cultural heritage and academic communities	Ongoing	-						

<sup>75</sup> Implementation plan M36 due date is Jun '22. Adjusted due date for Aug '22 approved by EC.

<sup>76</sup> <https://pro.europeana.eu/page/europeana-research>

<sup>77</sup> <https://pro.europeana.eu/page/research-advisory-board>

	(LIBER <sup>78</sup> , GLAM LABS <sup>79</sup> )								
<b>Objective 3.2.4. Develop user and market research</b>									
EF	Pro user survey completed	100%	Done						
EF	Report on improved offers for professional audiences in the cultural sector completed (internal)	100%	Apr '22						
EF	Marketing, communications and product development benchmarking and insight developed	Ongoing	-						
<b>Objective 3.2.5. Communicate and promote activities to professionals and partners</b>									
EF	Dissemination strategies for key channels (Twitter, LinkedIn, Europeana Pro) delivered (internal)	Done	Feb '22						
EF	Europeana Pro maintained and improved (technical infrastructure, user journeys, accessibility)	Ongoing	-						
EF	Pro editorials published (e.g. Pro News and themes)	Ongoing	-						
EF	Promotional activities promoted (Newsletter, Twitter, LinkedIn) <sup>80</sup>	Ongoing	-						
EF	Europeana Communicators community <sup>81</sup> supported	Ongoing	-						
EF	Accessibility review on Europeana Pro	75%	Aug '22						

*Events of Research Grants Programme 2021 completed*<sup>82</sup> - the programme supported a series of three workshops on “Anthropocenic objects. Collecting practices for the Age of Humans” designed by the Museum für Naturkunde in Berlin;<sup>83</sup><sup>84</sup> a training workshop on Crowdsourcing

<sup>78</sup> <https://libereurope.eu/working-group/digital-scholarship-and-digital-cultural-heritage-collections-working-group/>. The LIBER WG had its first meeting on 15 November 2021.

<sup>79</sup> <https://glamlabs.io/>

<sup>80</sup> Including GS editorials published on Europeana Pro.

<sup>81</sup> <https://pro.europeana.eu/page/europeana-communicators-group>

<sup>82</sup> Two grants winners withdraw from their commitments (two tutorials).

<sup>83</sup>

<https://pro.europeana.eu/event/what-is-an-anthropocenic-object-transdisciplinary-perspectives-on-natural-cultural-and-hybrid-objects>

<sup>84</sup>

<https://pro.europeana.eu/event/how-to-collect-store-and-curate-objects-in-the-anthropocene-on-participatory-and-digital-collections>

<sup>85</sup>

<https://pro.europeana.eu/event/anthropocenic-objects-perspectives-for-the-future-of-conservational-institutions-and-collection-practices>

designed by the Estonian War Museum - General Laindoner Museum;<sup>86</sup> and a two-day workshop on “Cultural Heritage Geodata. Polish perspectives” designed by the University of Warsaw - Faculty of History.<sup>87</sup> All the events brought together cultural heritage professionals, academics and researchers and involved 130+ professionals. They are resulting in concrete outputs, such as reports and crowdsourcing plans, which will be published on Europeana Pro by the end of Europeana DSI-4.

*Report on improved offers for professional audiences in the cultural sector completed (internal)*<sup>88</sup> - this report explores three areas that could help Europeana Foundation improve understanding of professional audiences and implement methods to help develop products that meet their needs. These areas were:

- What wider market research could we undertake to understand the needs of the cultural heritage sector in Europe better?
- What evidence-based practices can we use to help inform product development for professionals?
- How can we manage overlap of our audiences and their needs in a consistent way?

The report researched different approaches, gathered input from colleagues across EF, and made some recommendations to take into account for the remainder of Europeana DSI-4, in particular exploring ways to centralise, standardise and simplify our work to help develop our market research capacities, audience understanding and product development pipelines.

*Communication and dissemination activities*

Partner	Name of event	Activity	Location	Date
CLARIN	Newflash announcement of Full-Text Resources Training Workshop <sup>89</sup>	The newflash was addressed to the CLARIN community to promote the training workshop co-organised with Europeana.	Online	25-05-2022
EF/ ENA	Europeana Research Community Cafe - N. 2 <sup>90</sup>	The community cafes are designed as virtual spaces where community members can exchange their experiences and ideas taking a cue from the work presented by a guest speaker - in this case, James Baker, Director of Digital Humanities at University of Southampton, who talked about “Legacies of Catalogue Descriptions, Data Quality and Ethics”. Outreach: 40+	Online	25-05-2022

<sup>86</sup> <https://pro.europeana.eu/search?q=war+museum>

<sup>87</sup> <https://pro.europeana.eu/event/cultural-heritage-geodata-polish-perspectives>

<sup>88</sup> Available on request.

<sup>89</sup> <https://www.clarin.eu/content/clarin-newsflash-may-2022>

<sup>90</sup>

<https://pro.europeana.eu/event/europeana-research-community-cafe-legacies-of-catalogue-descriptions-data-quality-and-ethics>



		attendees, 90+ registered.		
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*Reporting metrics: nurture networks*

No.	Description	Measured by	Frequency	Target	Apr 2021	Apr 2022	May 2021	May 2022
KPI 3.3	Growth of Europeana Network Association members	Number of members in the ENA	Monthly	<b>3,000</b>	-	3,610	2,978	3,655
KPI 3.4	Satisfaction of the Europeana Network Association members with the ENA	Average satisfaction on a 5-point Likert scale <sup>91</sup>	Once a year	<b>75%</b>	-	-	-	Expected Jun '22
KPI 3.5	Communities in the Europeana Network Association	Number of active communities	Once a year	<b>6</b>		-	-	Expected Aug '22
KPI 3.6	Task forces in the Europeana Initiative	Number of active task forces per month (ENA, EAF, Initiative)	Monthly	<b>5</b>	8	4	8	4
RM 3.10	Working groups in the Europeana Initiative	Number of active working groups per month (ENA, EAF, Initiative)	Bi-monthly	-	-	-	3	5
RM 3.11	Active members in the Europeana Initiative	Number of members participating in task forces and working groups per month (ENA, EAF, Initiative)	Bi-monthly	-	-	-	145	160

<sup>91</sup> The average satisfaction on a 5-point Likert scale is translated into % (e.g. an average of 3.6 stars equals a satisfaction rate of 72%).

RM 3.12	Reach to Europeana Climate Action community	Number of people reached per month (Basecamp, mailing list)	Bi-monthly	-	NEW	-	NEW	133
RM 3.13	Research events and tutorials	Total number delivered (cumulative)	Bi-monthly	-	-	5	3	5
RM 3.14	People reached with research events and tutorials <sup>92</sup>	Total number of people participating (cumulative)	Bi-monthly	-	-	-	280	130
RM 3.15	Research Grants outcomes	Total number of outcomes delivered (cumulative)	Bi-monthly	-	-	-	-	Expected Jul '22
RM 3.16	Reach to Europeana Research community	Number of people reached per month (Discussion list, Twitter)	Bi-monthly	-	-	-	6,086	6,768
RM 3.17	Traffic to Europeana Pro	Number of visits per month	Monthly	-	33,689	25,561	30,950	25,973
RM 3.18	Returning visitors to Europeana Pro	Percentage of visitors returning	Monthly	-	36.90%	14.40%	36.30%	14.60%
RM 3.19	New visitors to Europeana Pro	Total number of new visitors per month	Monthly	-	21,260	21,878	19,706	22,191
RM 3.20	Satisfaction rate for Europeana Pro	Average satisfaction on a 5-point Likert scale <sup>93</sup>	Once a year	-	-	-	-	Expected Jul '22

<sup>92</sup> This only includes people reached with specific events.

<sup>93</sup> The average satisfaction on a 5-point Likert scale is translated into % (e.g. an average of 3.6 stars equals a satisfaction rate of 72%).

RM 3.21	Reach to Europeana Communicators community	Number of people reached per month (Newsletter, LinkedIn, mailing list)	Bi-monthly	-	-	-	2,389	2,833
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In April/May 2022, we formally established two new working groups: The Out of Commerce works Working Group<sup>94</sup>, and the Supporting the digital cultural heritage of Ukraine Working Group<sup>95</sup>.

*Risk assessment: nurture networks*

ID	Risk	Probability	Impact	Rate	Mitigation strategy	Change
R3.3	Task forces do not finish recommendations on time	Medium (3)	Low (2)	6	Manage expectations and be aware of potential impact for Europeana DSI; accommodate extension of task force work	-
R3.4	Community members show little activity and engagement	Medium (3)	Low (2)	6	Provide calls to action, meeting and webinars, useful tools and material, active information flow	-
R3.5	CHIs are not aware of research development contributions	Medium (3)	Low (2)	6	All research developments should benefit CHIs, benefits should be communicated to CHIs, initiatives (conferences/workshops) to improve digital skills and literacy of CHI professionals	-
R3.6	Digital collections do not comply with the FAIR principles <sup>96</sup> and are not considered to meet the quality criteria to be used in academic research	High (4)	Low (2)	8	Create awareness of the importance of the FAIR principles in the GLAM sector.	-
R3.7	Research grants: format of the events to be adapted on the basis of the pandemic's course	High (4)	Low (2)	8	The COVID-19 pandemic may oblige us to change the format (from in-person to digital) for the in person events planned for the	-

<sup>94</sup> <https://pro.europeana.eu/project/out-of-commerce-works-working-group>

<sup>95</sup> <https://pro.europeana.eu/project/supporting-the-digital-cultural-heritage-of-ukraine-working-group>

<sup>96</sup> <https://www.go-fair.org/fair-principles/>

					first half of 2022. In this case, the amount of the grant will be reduced (per contract). If the grant recipients ask to cancel their events, the contract will be withdrawn.	
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### **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 manage and further develop Europeana frameworks and standards (objective 3.3.1.) and we will develop policies and standards that enable open access to digital cultural heritage (objective 3.3.2.). We will also continue to develop the Europeana Impact and Capacity Building Frameworks to enable activity and evidence of digital transformation in the sector (objective 3.3.3.). Finally, we will engage with EU Member States to raise awareness of the Europeana Initiative (objective 3.3.4.).

*Overview of outcomes: strengthen national infrastructures*

Partner	Outcomes	Progress	Due date	Apr M44	May M45	Jun M46	Jul M47	Aug M48
<b>Objective 3.3.1. Manage and develop Europeana frameworks and standards</b>								
EF	Europeana general framework design developed (V1)	Done	Feb '22					
EF	Europeana Glossary updated to harmonise framework design and management components (internal)	Done	Feb '22					
EF	Europeana frameworks compliance with framework design evaluated	Done	Mar '22					
EF	EPF updated following the Europeana general framework design (public)	60%	Jul '22					
EF	Europeana Glossary <sup>97</sup> updated and maintained	Ongoing	-					
<b>Objective 3.3.2. Develop and maintain an interoperable licensing framework</b>								
EF	Strategy to encourage the accurate assignment of rights information to Europeana material created (internal)	Done	Dec '21					

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

EF	Data protection guidance for the Europeana Initiative developed (internal)	Done	Feb '22					
EF	Training resources (V1) to support the choice of accurate rights statements developed (public)	Done	Feb '22					
EF	CB Playbook tested with Europeana Copyright community	60%	Jun '22					
EF	Europeana Copyright community <sup>98</sup> supported	Ongoing	-					
EF	Page <sup>99</sup> with multilingual and multi-jurisdictional copyright tools maintained and developed	Ongoing	-					
EF	RightsStatements.org consortium supported	Ongoing	-					
<b>Objective 3.3.3. Develop processes and enable evidence of digital transformation</b>								
EF	Europeana Capacity Building Framework (V2) developed (internal)	100%	Apr '22					
EF	Enumerate survey completed	60%	Jun '22					
EF	Capacity Building for Digital Transformation Task Force: outcomes published	80%	Jun '22					
EF	Europeana Impact Playbook Phase four published	80%	Jun '22					
EF	Metrics framework to evidence digital transformation developed and implemented	Ongoing	-					
EF	Supportive tools and resources for capacity building developed and made available	Ongoing	-					
EF	Europeana Impact community <sup>100</sup> supported	Ongoing	-					
<b>Objective 3.3.4. Engage with Member States</b>								
EF	Slovenian Presidency event organised	Done	Dec '21					
EF	Slovenian Presidency Europeana conference report published	Done	Mar '22					
EF	French Presidency event organised	Done	Mar '22					

<sup>98</sup> <https://pro.europeana.eu/page/europeana-copyright>

<sup>99</sup> <https://pro.europeana.eu/page/copyright-tools-and-resources>

<sup>100</sup> <https://pro.europeana.eu/page/europeana-impact-community>

EF	French Presidency Europeana conference report published	90%	Aug '22					
EF	Country reports <sup>101</sup> updated	Ongoing	-					

*Europeana Capacity Building Framework (V2) developed (internal)*<sup>102</sup> - Version 1 of the Europeana Capacity Building Framework (ECBF) focused on the strategy for developing the framework, the collaborative approaches undertaken and the process of identifying capacity building needs at an organisation level and developing products and services responding to those needs. Version 2 builds on this by utilising the newly developed Framework Management Template, and clarifies the capacity building activities such as training elements that have been developed, and how they support cultural heritage institutions to use Europeana products and services to facilitate their own digital transformation. Version 2 also articulates the framework's strategic proposition, and defines some of its core elements and implementation services and products by touching on two current focus areas for capacity building for digital transformation;

- Capacity Building that facilitates easy and rewarding data aggregation
- Convening a sector to collaborate, share and learn together

#### Communication and dissemination activities

Partner	Name of event	Activity	Location	Date
European Intellectual Property Office	Datathon Event: Out of Commerce Works <sup>103</sup>	Presentation to explain what is and isn't an out of commerce work in line with the CDSM Directive and some national transposition texts, to help CHI professionals identify sets to share with the EUIPO	Online	26/04/2022
Trinity College Dublin	Copyright and Public Domain Policy	Lecture on copyright and public domain policy, and Europeana's approach on this topic, within the Copyright in the EU Digital Single Market: Law, Policy and Licensing Practices	Online	12/04/2022

#### Reporting metrics: strengthen national infrastructures

No.	Description	Measured by	Frequency	Target	Apr 2021	Apr 2022	May 2021	May 2022
KPI 3.7	Take up of rs.org	Percentage of active aggregators that integrated	Once a year	35%	-	-	-	Expected Aug '22

<sup>101</sup> <https://pro.europeana.eu/page/member-states>

<sup>102</sup> Available on request.

<sup>103</sup> <https://euiipo.europa.eu/ohimportal/en/web/observatory/datathon-2022>

		rs.org in their infrastructure						
RM 3.22	Use of rs.org by accredited aggregators	Percentage of accredited aggregators that share data on Europeana using a rights statements from the rs.org	Once a year	-	-	-	-	Expected Aug '22
RM 3.23	Use of rs.org rights statements	Number of objects published on the Europeana website with a rs.org rights statement (excluding content Tier 0)	Bi-annual	-	-	-	-	Expected Aug '22
RM 3.24	Reach to Europeana Copyright community	Number of people reached per month (Mailing list, Twitter)	Bi-Monthly	-	-	-	3,663	4,104
RM 3.25	Reach to Europeana Impact community	Number of people reached per month (Newsletter, LinkedIn)	Bi-Monthly	-	-	-	1,792	2,439
RM 3.26	Satisfaction with the Europeana EU presidency events	Average satisfaction on a 5-point Likert scale <sup>104</sup>	Upon occasion	-	-	-	-	-

*Risk assessment: strengthen national infrastructures*

ID	Risk	Probability	Impact	Rate	Mitigation strategy	Change
R3.8	Rightsstatement.org: Challenge to build a sustainable consortium 2021 -	Low (2)	Medium (3)	6	The new membership model is operational in 2020, and a revision of services offered by the consortium will together	-

<sup>104</sup> The average satisfaction on a 5-point Likert scale is translated into % (e.g. an average of 3.6 stars equals a satisfaction rate of 72%).

	especially more challenging post-covid				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.	
R3.10	Impact toolkit is not being used	Low (2)	Medium (3)	6	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.	-
R3.11	In online and hybrid environments, co-creation sessions and workshops as part of the presidency conferences are challenging.	Medium (3)	Medium (3)	9	Explore and use methods and tools that allow for ideation and collaborative co-creation resulting in shared understanding and actionable insights amongst the participants.	-



## 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 coordinates Europeana DSI-4 as described in the tender and B.1 Implementation plan M36.

#### *Overview of outcomes*

Partner	Outcomes	Progress	Apr M44	May M45	Jun M46	Jul M47	Aug M48
EF	Programme management	Ongoing					
EF	B.2/B.3 Periodic reports M44	100%					
EF	C.1 Technical documentation M44	100%					
EF	E.1 Transfer of assets and liabilities report M44	100%					
EF	E.2 Transfer process report M44	100%					
EF	E.3 Employed staff report M44	100%					
EF	C.2/C.3 Users and usage report 45	100%					
EF	D.1 Communication and dissemination plan M45	100%					

### **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*

Work package	Foreseen	Actual May 2022
<b>WP 1: Strengthen the infrastructure</b>	<b>49.50%</b>	<b>49.07%</b>
Task 1.1. Easy data publishing	11.60%	12.85%

Task 1.2. Europeana website experience	14.90%	13.95%
Task 1.3. Reliable platforms	8.40%	7.44%
Task 1.4. Discoverability of digital cultural content	14.60%	14.83%
<b>Work package 2: Improve data quality</b>	<b>17.50%</b>	<b>19.05%</b>
Task 2.1. Quality assured data	12.50%	13.67%
Task 2.2. Enriched data	5.00%	5.38%
<b>Work package 3: Build capacity</b>	<b>26.50%</b>	<b>24.57%</b>
Task 3.1. Build capacity of aggregators and professionals	10.80%	10.19%
Task 3.2. Nurture networks	9.60%	8.60%
Task 3.3. Strengthen national infrastructures	6.10%	5.38%
<b>Work package 4: Programme management</b>	<b>6.50%</b>	<b>7.31%</b>
Task 4.1. Programme management of Europeana DSI-4	6.00%	6.09%
Task 4.2. Relations with Europeana DSI Generic Services projects	0.20%	0.91%
Task 4.3. Governance (DCHE)	0.10%	0.21%
Task 4.4. Phasing-in and phasing-out periods	0.20%	0.10%
<b>TOTAL</b>	<b>100%</b>	<b>100%</b>

### Major changes in staff, if applicable

No changes for M44/M45.

### Risk assessment: Programme management of Europeana DSI-4

ID	Risk	Probability	Impact	Rate	Mitigation strategy	Change
R4.1	Individual outcomes require more work than anticipated which might affect other outcomes committed to	Low (2)	Medium (3)	6	Careful planning of efforts and resources needed for individual work, communication and awareness building of challenges, agreeing on priorities	-
R4.2	Additional work or extended scope of work is done which might	Medium (3)	Medium (3)	9	Management of expectations towards individual outcomes, communication and	-

	affect other outcomes committed to				awareness building of challenges, agreeing on priorities	
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## **Task 4.2. Relations with Europeana Generic Services projects**<sup>105</sup>

**Partners:** EF

EF maintains regular contact with the funded Europeana and other Generic Services (GS) projects (e.g. via Basecamp groups) and supports them with ingestion of content and metadata (if applicable), consultation on the Europeana frameworks, policy and development guidelines, tool integration into 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). The table below shows the progress against Annex 5 of the implementation plan of all Generic Services project outcomes that are related to Europeana DSI-4.

The action Europeana Sports<sup>106</sup> has formally ended on 30 April 2022 and will have its validation meeting on 30 June 2022. The Action achieved all its targets as shown in the table below.

The action 'Europeana XX: Century of Change'<sup>107</sup> had its validation meeting on 17 May 2022.

*Overview of progress: Generic Services projects against Annex 5 (project start - end of the current reporting period)*

<b>Objective 4.2.2. Supporting Europeana Generic Services (CEF-TC-2019-1) call</b>						
<b>Partner</b>	<b>Outcomes</b>	<b>DSI-4 contribution</b>	<b>Due Date</b>	<b>Progress</b>	<b>Status</b>	<b>Comments</b>
<b>Europeana XX: Century of Change</b> <sup>108</sup>						
GS/DSI	100,000 new high quality objects	Task 2.1 Quality assured data	Nov 21	100%	Done	The project significantly over-achieved targets by delivering over 400,000 records in Tier2+.
GS/DSI	15,000 upgraded records	Task 2.1 Quality assured data	Nov 21	100%	Done	16,742 items upgraded to Tier 4. Overachieved by 12%.

<sup>105</sup> This section also highlights other projects the DSI platform is involved with.

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

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

<sup>108</sup> Project officially requested an extension of three months until 30 November 2021.

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

GS/DSI	2.5 million enrichments (semantic and translation enrichments) via EDM ingestion	Task 2.2 Enriched data	Nov 21	100%	Done	The project delivered 2,592,935 enriched records; thus overachieving its target by ca 4%
GS	Extension of the recommendation engine to support entity powered collections	Task 1.2. Europeana website experience	Nov 21	100%	Done	The new version of the recommendation engine is available on the Europeana website.
GS	Improvement in Europeana Media Player to support the display of subtitles in multiple languages for a single video.	Task 1.2. Europeana website experience	Sep 21	100%	Done	Project partners have delivered a new version of the media player which has been deployed and now in use in the Europeana portal.
GS/DSI	Publication of subtitles on Europeana.eu	Task 2.2 Enriched data	Nov 21	90%	Delayed	Subtitles from all campaigns have been delivered, processed and ingested. They are, however, not yet visible in the portal due to ongoing work on DSI Task "New transcriptions are displayed and searchable live".
GS	35 editorials in Europeana.eu	Task 1.4 Discoverability of digital cultural content	Nov 21	100%	Done	55 editorials (2 exhibitions, 31 blogs and 22 galleries)
GS	16 editorials in Europeana Pro	Task 3.2. Nurture networks	Nov 21	94%	Delayed	15 editorials published (4 event pages, 5 news pieces, pieces about tools, 1 project page). One editorial to be published in June.
<b>Europeana Sport</b> <sup>109110</sup> requested						
GS/DSI	24.900 new digital objects and 5.870 improved digital	Task 2.1 Quality assured data	March 22	100%	Done	The project delivered 27,625 of new content and 5,874 upgraded

<sup>109</sup> <https://pro.europeana.eu/project/europeana-sport>.

<sup>110</sup> The project received an official extension for 3 months, the new end date for this activity is 30 April 2022

	objects <sup>111</sup>					content.
GS/DSI	250 user-generated content (stories and associated objects)	Task 2.1 Quality assured data	Sept 21 <sup>112</sup>	100%	Done	The project delivered more user-generated stories; 342 stories are now available on Europeana.
GS	40 editorials in Europeana.eu	Task 1.4 Discoverability of digital cultural content	Dec 21	100%	Done	62 editorials were published: 35 blogs, 1 exhibition, 8 galleries and 18 'browse discovery points'
GS/DSI	8 related editorials in Europeana Pro	Task 3.2. Nurture networks and Task 4.2. Relations with Europeana Generic Services projects	April 22	100%	Done	9 editorials (3 event pages, 5 news pieces, 1 project page) were published.
GS	10 collections days events held	Task 3.1. Build capacity of aggregators and professionals	Sep 21	100%	Done	14 events were held, 4 more than promised - as online events or campaigns (4) and in-person events (10)
GS	2 workshops held	Task 3.1. Build capacity of aggregators and professionals	Dec 21	100%	Done	2 workshops 'Copyright in the aggregation of sports content' <sup>113</sup> and 'Copyright in the user contribution of sports content' <sup>114</sup>
<b>ARMA - The Art of Reading in The Middle Ages<sup>115116</sup></b>						
GS/DSI	21,300 new records (50 of these will be 3D)	Task 2.1 Quality assured data	July 22 <sup>117</sup>	70%	On track	All partners, except one, have delivered their data to their respective aggregators.

<sup>111</sup> New targets according to the amended grant agreement extending the project by 3 months

<sup>112</sup> There is no clear project deadline for aggregation of user-generated content, so we have decided to assign the same deadline as the one for content aggregation.

<sup>113</sup> <https://www.youtube.com/watch?v=h2wEbKuTGtI>

<sup>114</sup> <https://www.youtube.com/watch?v=E0j1xp-KKlw>

<sup>115</sup> <https://pro.europeana.eu/project/pagode-europeana-china>

<sup>116</sup> The project received an official extension for 4 months, which extends all remaining MS deadlines to 31 August 2022.

<sup>117</sup> Project received confirmation of the project extension. This activity was granted an extension until 31 July 2022

GS	20 editorials in Europeana.eu.	Task 1.4 Discoverability of digital cultural content	Feb 22	100%	Done	20 editorials have been published (5 galleries, 15 blogs). The project created additional editorial pieces that will be published in the upcoming months.
GS	1 online exhibition available in English + additional five languages <sup>118</sup>	Task 1.4 Discoverability of digital cultural content	Oct 21	80%	Delayed	The online exhibition has been published (English). EF received 4 out of 5 translations. The remaining translation in French is expected in June 2022 <sup>119</sup> .
GS	25 curatorial activities in Europeana.eu (11 learning activities - blogs, instructional videos, learning scenarios, 5 instagram stories, 1 online activity pack, 1 multi online learning pack, 1 feature page, 6 topic pages <sup>120</sup> or cards groups <sup>121</sup> )	Task 1.4 Discoverability of digital cultural content	May 22 <sup>122</sup>	100%	Done	The project published 38 curatorial activities (13 more than required): 1 feature page, 3 educational blogs and 8 instagram stories, 10 videos, 4 worksheets, 2 online activity packs, 1 Multilingual Online Learning Pack and 9 Learning scenarios for primary (2), secondary and (3) and Postsecondary (4) education.
GS	Recommendation on the implementation of IIIF	Task 2.1 Quality assured data	July 22 <sup>123</sup>	60%	On track	Partners working on the draft.

### Objective 4.2.3. Supporting Europeana Generic Services (CEF-TC-2020-1) call

#### Jewish History Tour<sup>124</sup>

GS/DSI	30,000 new records and 5 updated records without enrichments	Task 2.1 Quality assured data	April 22	8%	Delayed	No new data has been submitted by the partners since April 2022. The project partner will ask for an
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<sup>118</sup> Dutch, German, Czech, Slovenian and French

<sup>119</sup> <https://www.europeana.eu/nl/exhibitions/the-art-of-reading-in-the-middle-ages>

<sup>120</sup> A type of automatically created Collection page that presents items for an entity-defined theme or subject, for example, [music](#).

<sup>121</sup> Cards groups are manually curated subtopics within a feature page.

<sup>122</sup> Activity extended until 31 May 2022

<sup>123</sup> Extended to 31 July 2022

<sup>124</sup> <https://pro.europeana.eu/project/jewish-history-tours>

						extension of approximately 3 months to complete the ingestion.
GS	Validation methodology for enrichments is ready	Task 1.2. Europeana website experience	Jun 22	15%	Delayed	The enrichments to be validated have not been yet submitted to EF.
GS/DSI	Enhancement of Europeana API with geospatial querying	Task 2.2 Enriched data	Jul 22	80%	On track	First implementation has been done but it will undergo one last change before release.
GS/DSI	Editorials in Pro	Task 3.2. Nurture networks and Task 4.2. Relations with Europeana Generic Services projects	March 23	20%	On track	1 project page and 1 event page were published. More editorials in Pro are foreseen until the end of the project in March 2023.
GS	1 webinar with a series of 3 sessions	Task 3.1. Build capacity of aggregators and professionals	Sep 21	100%	Done	-
<b>WEAVE - Widen European Access to Cultural Communities Via Europeana</b>						
GS/DSI	5,265 new records (165 3D objects, 100 videos and 5000 photographs)	Task 2.1 Quality assured data	Aug 22	40%	On track	
GS/DSI	Integration of the WEAVE toolkit into Europeana CSP	Task 1.4 Discoverability of digital cultural content	Aug 22	20%	On track	A plan has been discussed and agreed with partners and will be worked on in the next 2 months.
GS	6 editorials in Europeana Pro <sup>125</sup>	Task 3.2. Nurture networks and Task 4.2. Relations with Europeana Generic	Aug 22	83%	On track	Five editorial pieces have been published. More editorials in Pro are foreseen by Aug 22.

<sup>125</sup> To date, five editorial pieces have been published ([one project page](#), one [project news post](#), two curated event pages (on an [D&I event series](#) and a [Europeana LabDay](#)) and an [event workbook](#))

		Services projects				
GS	Min 10 editorials in Europeana.eu	Task 1.4 Discoverability of digital cultural content	Aug 22	30%	On track	3 galleries <sup>126</sup> have been published. Planning of blogs and exhibitions has started. Editorials are foreseen to be published periodically in the next months.
GS	1 Europeana WEAVE LabDay <sup>127</sup> and 4 Europeana WEAVE cafés	Task 3.1. Build capacity of aggregators and professionals	Mar 22	100%	Done	A facilitators guide has been produced for professionals interested in replicating the exercises run during the Europeana WEAVE café events <sup>128</sup> .
GS	1 capacity building webinar	Task 3.1. Build capacity of aggregators and professionals	Mar 22	100%	Done	1 webinar as a result of the Europeana WEAVE LabDay.
GS	Best practices in intangible heritage content and recommendations for metadata enrichment of community (and minority) collections	Task 3.1. Build capacity of aggregators and professionals	June 22	50%	On track	Catalogue of best practices and guidelines is currently being drafted.
GS	4 online events for minority communities	Task 3.1. Build capacity of aggregators and professionals	Mar 22	100%	Done	4 events held in Feb and March. <sup>129</sup>
<b>Europeana Enrich+<sup>130</sup></b>						
GS/DSI	100,000 new records	Task 2.1 Quality	Nov 21	35%	On track	35,000 new records

<sup>126</sup> <https://www.europeana.eu/set/6609>, <https://www.europeana.eu/set/6623>, <https://www.europeana.eu/set/6887>

<sup>127</sup> <https://pro.europeana.eu/event/europeana-labday>

<sup>128</sup> <https://weave-culture.eu/capacity-building/europeana-events/>

<sup>129</sup> <https://pro.europeana.eu/event/europeana-weave-event-series-on-diversity-and-inclusion>

<sup>130</sup> <https://pro.europeana.eu/project/enricheuropeana>



		assured data	<sup>131</sup>		<sup>132</sup>	have been published so far .
GS/DSI	10 Editorials in Pro and/or Editorials in Europeana.eu	Task 3.2. Nurture networks and Task 1.4 Discoverability of digital cultural content	Aug 22	30%	On track	3 editorials have been published (1 on pro, 2 on Europeana.eu).
<b>Europeana Subtitled<sup>133</sup></b>						
GS/DSI	6,000 AV records	Task 2.1 Quality assured data	May 22	70%	Delayed	4,000 out of 6,000 new records published. The remaining records are expected to be published by the end of June.
GS/DSI	Enrichments (subtitles & captions)	Task 2.2 Enriched data	Aug 22	30%	On track	The subtitle platform has been adapted to submit subtitles and captions via the Annotations API. The technical partner is now running tests with a side environment on Europeana as preparation before establishing a running integration.
GS/DSI	Integration of the AI pipeline with the Europeana CSP via de Europeana APIs; adaptations to the Annotation API and Full-text API for subtitles and transcriptions to meet project requirements; support for multilingual subtitles display on the	Task 2.2 Enriched data	Mar 22	80%	Delayed	The Media player has been updated with the support for multilingual subtitles. EF has now started with the final adjustments followed by the migration, release and production deployment of the new fulltext pipeline.

<sup>131</sup> During Nov 21-Dec21 the project delivered (4.7% or 4,684 records) of the expected 100,000 records. According to the project partners, *MS3 Content aggregation* - first ingestion into Europeana was achieved (due date 30 Nov 21). The partners will ingest the remaining records during the project scope. The progress column will show the updates related to the % of records that have been published in Europeana.

<sup>132</sup> According to the project partners, the respective MS was completed. EF will show in the progress column the & related to the records that have been published in Europeana.

<sup>133</sup> <https://pro.europeana.eu/project/europeana-subtitled>

	Europeana Media Player					
GS	2 Editorials in Pro <sup>134</sup>	Task 3.2. Nurture networks and Task 4.2. Relations with Europeana Generic Services projects	Aug 22	50%	On track	
GS	24 editorials in Europeana.eu <sup>135</sup>	Task 1.4 Discoverability of digital cultural conte	Aug 22	46%	On track	11 editorials (8 blogs, 3 galleries) published.
<b>CRAFTED - Enrich and promote traditional and contemporary crafts<sup>136</sup></b>						
GS	Editorials in Pro	Task 3.2. Nurture networks and Task 4.2. Relations with Europeana Generic Services projects	Aug 22	40%	On track	3 editorials have been published (1 project page, 2 Pro News posts)
GS	Editorial in Europeana.eu	Task 1.4 Discoverability of digital cultural content	Aug 22	40%	On track	The curatorial plan milestone has been achieved. 4 editorials have been published (1 blog, 2 galleries, a feature page).
<b>Other GS projects with outcomes to be integrated in DSI</b>						
<b>Europeana Translate<sup>137</sup></b>						
GS	Editorials in Pro	Task 3.2. Nurture networks and Task 4.2. Relations with Europeana Generic	Aug 22	10%	On track	1 editorial published (1 project page)

<sup>134</sup> 1 editorial published (1 project page)

<sup>135</sup> 24 editorials in Europeana.eu (14 blogs, 9 galleries, 1 exhibition)

<sup>136</sup> <https://pro.europeana.eu/project/crafted>

<sup>137</sup> <https://pro.europeana.eu/project/europeana-translate>

		Services projects				
<b>J-Ark European Jewish Community Archive<sup>138</sup></b>						
GS	Editorials in Pro	Task 3.2. Nurture networks and Task 4.2. Relations with Europeana Generic Services projects	Feb 23	30%	On track	1 editorial published (1 project page) with 2 Pro News articles due in late 2022 and early 2023 to promote relevant project outcomes.

*Risk assessment: relations with Europeana Generic Services projects*

ID	Risk	Probability	Impact	Rate	Mitigation strategy	Change
R4.3	Several Generic Services projects are extended or requested an extension to fulfil the ingestion work. Therefore, DSI work might be delayed to accommodate the updated ingestion load.	Medium (3)	High (4)	12	Monthly internal GS team meeting for better coordination and risk mitigation.  Continuous collaboration with project partners to flag and mitigate possible risks.	-

<sup>138</sup> <https://pro.europeana.eu/project/j-ark-european-jewish-community-archive>

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

**Partners:** EF

Under this task EF reports to the European Commission and the Commission expert Group on the common European Data Space for Cultural Heritage (CEDCHE)<sup>139</sup> 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.

On 11-12 May EF attended a CEDCHE meeting<sup>140</sup>.

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

**Partners:** EF

The task provides 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 M44/M45.

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<sup>139</sup> <https://ec.europa.eu/transparency/expert-groups-register/screen/expert-groups/consult?lang=en&groupID=3800>

<sup>140</sup> <https://ec.europa.eu/transparency/expert-groups-register/screen/meetings/consult?lang=en&meetingId=38654&fromExpertGroups=true>

## Annex: Updates towards milestones

The table states milestones to be delivered in Europeana DSI-4 Y4 (1 September 2021 - 31 August 2022).

<b>MS No.</b>	<b>WP</b>	<b>Description</b>	<b>Verification</b>	<b>Due date</b>	<b>Status</b>
MS1	WP1	MS1 Report on progress on the aggregation strategy delivered (internal)	Milestone document sent to EC	M48 (Aug 2022)	Due
MS2	WP1	MS2 Report on progress on the search strategy delivered (internal)	Milestone document sent to EC	M48 (Aug 2022)	Due
MS3	WP1	MS3 Report on progress on the multilingual strategy delivered (internal)	Milestone document sent to EC	M48 (Aug 2022)	Due
MS4	WP2	MS4 DSI AGG annual work plan review (internal)	Milestone document sent to EC	M42 (Feb 2022) M48 (Aug 2022)	Done Due
MS5	WP2	MS5 New recommendations and updated requirements for services and products focusing on content in the EPF developed (including a report of the status of EPF) (internal)	Milestone document sent to EC	M47 (Jul 2022)	Due

## Annex: Progress on deliverables (M37-M48)

This table states progress on deliverables and what deliverables were submitted to EC (1 September 2021 - 31 August 2022).<sup>141</sup>

ID	Description	Due month	Due	Done
A.1	Platform reports	Every 10 months, starting M10	-	M40 (Dec 2021)
B.1	Implementation Plan	M01 and every 12 months thereafter	-	-
B.2/B.3	Periodic reports	Every 2 months, starting M2	M48 (Aug 2022)	M38 (Oct 2021) - M46 (Jun 2022)
B.4	Annual report	Every 12 months, starting M12	M48 (Aug 2022)	-
B.5	Final report	M48 (Aug 2022) in case of renewals	M48 (Aug 2022)	-
C.1	Technical documentation	Every 12 months, starting M32	-	M44 (Apr 2022)
C.2/C.3	Users and usage report	Every 5 months, starting M5	-	M40 (Dec 2021) M45 (May 2022)
C.4	Stress and disaster recovery test reports	Every 12 months, starting M31	-	M43 (Mar 2022)
D.1	Communication and dissemination plan	Every 9 months, starting M9	-	M45 (May 2022)
D.2	Study on impact of digitisation and reuse of cultural heritage	October every second year, starting Y2 <sup>142</sup>	M47 (Jul 2022)	-
E.1	Transfer of assets and liabilities report	4 months before the contract ends: M44 (April 2022) in case of renewals	-	M44 (April 2022)
E.2	Transfer process report			
E.3	Employed staff report			

<sup>141</sup> Note: the schedule of deliverables was updated in January 2020, August 2020 and February 2022. Changes to the schedule have been confirmed by EC.

<sup>142</sup> EF proposed to postpone the deliverable. The change was confirmed by EC.

## Annex: Glossary of terms

Formal definitions of terms used frequently are detailed in the glossary of terms<sup>143</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
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

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<sup>143</sup> <https://pro.europeana.eu/resources/standardization-tools/glossary>

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.