



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

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Periodic reports can be viewed and accessed online in the document section on the Europeana DSI-4 project page¹.

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

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Highlights

EF released a new about us page² on the Europeana website.

We organised the Black History Month (autumn season) which aimed to bring a spotlight to Black history in Europe. We also published three new exhibitions (Black lives in Europe³, The art of reading in the Middle Ages (GS project ARMA)⁴, and Louise Weiss: a committed European⁵ (EU Parliament)). Another highlight in the period was the GIF IT UP competition⁶. In total, we received 186 entries, of which 158 were eligible for public and jury competition.

We completed an update to the Europeana Publishing Guide⁷ with additional guidance on 3D requirements for content. Criteria for 3D content quality were defined, following the same principles as for all other content types. Having this well defined will help us classify the increasing number of 3D items.

In November 2021, the Europeana Annual Conference 2021⁸ was held. The programme welcomed 800 participants, 3 keynotes, 12 panel members, 33 parallel sessions and 67 speakers. The conference received a very good average satisfaction rate of 82%. Additionally, around 120 ENA members gathered virtually at the ENA General Assembly⁹. The audience had an opportunity to learn more about the governance of ENA and the six existing communities, their task forces and future plans. Another highlight was the Europeana Aggregators' Forum Fall meeting with around 60 people from 31 of our 40 accredited aggregators participating in the meeting.

In this period, we launched the Europeana Climate Action Community and the Europeana Climate Action Manifesto¹⁰ which acknowledges that climate change is an emergency and that cooperative action is required. Through the community and the manifesto, the ENA, EF and EAF advocate for and embed working practices that minimise the digital cultural heritage sector's impact on the climate and environment.

² <https://www.europeana.eu/en/about-us>

³ <https://www.europeana.eu/exhibitions/black-lives-in-europe>

⁴ <https://www.europeana.eu/exhibitions/the-art-of-reading-in-the-middle-ages>

⁵ <https://www.europeana.eu/de/exhibitions/louise-weiss-a-committed-european>

⁶ <https://gfitup.net/>

⁷ Requirements for 3D content (Tier 1):

<https://europeana.atlassian.net/wiki/spaces/EF/pages/2059796518/Requirements+for+3D+content+Tier+1>, Technical criteria for 3D content (Tier 2-4):

<https://europeana.atlassian.net/wiki/spaces/EF/pages/2059796527/Technical+criteria+for+3D+content+Tier+2-4>.

⁸ <https://pro.europeana.eu/page/conference>

⁹

https://pro.europeana.eu/files/Europeana_Professional/Event_documentation/Events/AGM/General-Assembly-2021-Digital-Programme-Public.pdf

¹⁰ <https://pro.europeana.eu/post/the-europeana-climate-action-manifesto>

Introduction

The periodic report describes work carried out under Europeana DSI-4 from 1 October 2021 (M38) until 30 November 2021 (M39) 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 2020-2025¹¹. 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.¹² 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 ¹³
	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

¹¹ <https://pro.europeana.eu/page/strategy-2020-2025-summary>

¹² 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.

¹³ 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 strategy¹⁴. 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	Oct M38	Nov M39	Dec M40	Jan M41	Feb M42
Objective 1.1.1. Extend and maintain Metis								
EF, PSNC	Incremental media processing implemented	Not started	Jun '22					
PSNC	eCloud data model reviewed and refactored	10%	Aug '22					
PSNC	Data storage mechanisms in eCloud optimised	10%	Aug '22					
EF, PSNC	System upgrades and performance are maintained (bugs fixing, infrastructure upgrades, refinement of existing features) - 20% of M38/M39	Ongoing	-					
Objective 1.1.2. Enable Metis Sandbox								

¹⁴ <https://pro.europeana.eu/post/europeana-dsi-4-aggregation-strategy>

EF, PSNC	Metis <i>Extended Sandbox</i> supports one additional data source for conversion to EDM ¹⁵	50%	Dec '21	■	■	■		
EF	Tiers calculation module in Metis <i>Extended Sandbox</i> available	10%	Jan '22	■	■	■	■	
EF	Training resources (V1) for Metis Sandbox (for Aggregators) developed	25%	Feb '22	■	■	■	■	■
EF	Feedback for further development of the Metis <i>Extended Sandbox</i> is collected	Not started	Apr '22					
EF, PSNC	Metis <i>Extended Sandbox</i> data sources options for conversion to EDMs extended ¹⁶	Not started	Aug '22					
EF	Metis Sandbox consolidated and maintained (bugs fixing, infrastructure upgrades, refinement of existing features) - 20% of M38/M39	Ongoing	-					
Objective 1.1.3. Enable fast track publishing workflow								
EF, PSNC	Report on review and proposed amendments to the Aggregation Strategy roadmap (including progress update)	Not started	Apr '22					
EF, PSNC	Validated Aggregation Strategy roadmap actions implemented	Not started	Jul '22					
EF	MS1 Report on progress on the aggregation strategy delivered (internal)	Not started	Aug '22					

System upgrades and performance are maintained (bugs fixing, infrastructure upgrades, refinement of existing features) -

Metis and eCloud V5: we have done a release of a new Metis version during this period that, in addition to items already reported on, contains many improvements and bug fixes, such as:

- Merging several occurrences of the EDM definitions (XSD schemas) to create one source of truth, making it much easier to maintain.
- Support for a new version of XML transformations (XSLT version 3) in our dereferencing code, greatly simplifying the management of our collection of dereferencing vocabularies. Upgrades to several dereferencing vocabulary mappings were made as a result.
- A new test repository for records, supporting both OAI and HTTP harvesting, which will greatly facilitate our testing process.

¹⁵ Final outcome is planned for completion by the end of DSI-4 Y4 but several iterations will be released throughout the year.

¹⁶ Final outcome is planned for completion by the end of DSI-4 Y4 but several iterations will be released throughout the year.

Additionally, we spent time on the media processing functionality that we wish to increase the performance of, and we are refining the previously implemented feature of incremental processing with a new option (incremental HTTP harvesting) as well as better integration with the depublication feature.

Metis Extended Sandbox supports one additional data source for conversion to EDM - We have finalized our implementation of additional data import methods. This creates the basis for the feature of specifying and then executing a conversion to EDM. We're currently working on implementing that feature.

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.	NEW
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 (to be agreed with the users) and more (temporary) storage capacity.	NEW

Task 1.2. Europeana website experience

Partners: EF and AIT Vienna

The Europeana website (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	Oct M38	Nov M39	Dec M40	Jan M41	Feb M42
EF	Europeana website usability and performance maintained (bugs fixing, security & software updates) - 20% of M38/M39	Ongoing	-					
Objective 1.2.1. Extend user engagement features								
EF	About us page redesigned (implementation)	100%	Nov '21	█	█			
EF	Organisation pages available on Collections hub page	90%	Dec '21	█	█	█		
EF	Delete functionality for user account available	60%	Jan '22	█	█	█	█	
EF	Classic portal decommissioned	50%	Mar '22	█	█	█	█	█
EF	Homepage redesigned (implementation)	10%	Jun '22	█	█	█	█	█
Objective 1.2.2. Deliver better search experience								
EF	Recommendations service (API and front end) is extended to support entity powered collections and user specific recommendations ¹⁷	95%	Dec '21	█	█	█		
EF	New design for search filters implemented	30%	Feb '22	█	█	█	█	█
EF	Update on Search Strategy roadmap	Not started	Feb '22					
EF	New design for entity filters implemented	30%	Mar '22	█	█	█	█	█
EF	Search by location/georeference criteria (indexing implementation) (M-F20)	Not started	Apr '22					
EF	Tuning the weight of different fields in ranking (M-F8) (first experiments)	Not started	Jun '22					

¹⁷ The recommendation engine itself is developed by Europeana XX Generic Services project.

EF, AIT Vienna	New transcriptions are displayed and searchable live	25%	Aug '22	■	■	■	■	■
EF	Search widget for editorial content implemented similar to how the related entity collections appear in search	Not started	Aug '22					
EF	MS2 Report on progress on the search strategy delivered (internal)	Not started	Aug '22					
EF	Search relevance and performance maintained	Ongoing	-					
Objective 1.2.3. Extend multilingual reach								
EF	Multilingual search for the Spanish destination implemented and deployed	85%	Dec '21	■	■	■		
EF	First implementation and evaluation of the metrics and KPIs ¹⁸ , focusing on entities	10%	Feb '22	■	■	■	■	■
EF	Update on Multilingual Strategy roadmap	Not started	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	Not started	Apr '22					
EF	Prioritise normalisation of not-yet normalised tags (in original and dereferenced data)	10%	Jun '22	■	■	■	■	■
EF	MS3 Report on progress on the multilingual strategy delivered (internal)	Not started	Aug '22					
EF	Maintain user interface translations in supported languages	Ongoing	-					

About us page redesigned (implementation) - The new about us page¹⁹ is live on the website. The page now informs people who we are and how we operate.

¹⁸ KPIs here stand for targets for data quality or multilinguality we will start measuring and not KPIs we will report on.

¹⁹ <https://www.europeana.eu/en/about-us>

Reporting metrics: Europeana website experience

No.	Description	Measured by	Frequency	Target	Oct 2020	Oct 2021	Nov 2020	Nov 2021
KPI 1.1	Traffic to Europeana website	Number of visits per month	Monthly	500,000	433,000	515,042	462,666	596,141
KPI 1.2	Returning visitors to Europeana website	Percentage of returning visitors	Monthly	15%	12.69%	5.86%	12.80%	6.37%
KPI 1.3	Satisfaction rate for Europeana website	Average satisfaction on a 5-point Likert scale ²⁰	Bi-annual	75%	-	-	72%	Expected Jan '21
KPI 1.4	Downloads on the Europeana website	Total number of downloads (cumulative)	Monthly	240,000	25,552	25,470	37,753	40,238
RM 1.1	New visitors to the Europeana website	Total number of new visitors per month	Monthly	-	350,073	484,844	368,631	558,116
RM 1.2	Visit duration on the Europeana website	Average time spent per visit	Monthly	-	01:45	01:58	01:44	02:08
RM 1.3	Page views on Europeana website	Average amount of pages viewed per visit	Monthly	-	2.85	3.5	2.83	3.5
RM 1.4	Click-throughs to partner websites	Total number of click-throughs (cumulative)	Bi-monthly	-	-	-	45,242	45,354
RM 1.5	User feedback for the Europeana website	Total number of user feedback received via feedback button (cumulative)	Bi-monthly	-	-	-	164	184

²⁰ 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%).

In October/November 2021, we saw high traffic surpassing our target of 500,000 visits. We believe that the Europeana 2021 conference contributed to the increase of traffic while the spike of traffic in November can be attributed to bot traffic. We continue to see a lower user return rate (compared to previous year) as of reduced tracking capabilities while still observing an increase in the period.

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	High (4)	Medium (3)	12	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	-
R1.5	Returning visitors on Europeana website (KPI 1.2) is below target: product/content not good enough to encourage people to return	High (4)	Medium (3)	12	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 strategy are higher than what available language technology enables us to implement	High (4)	Low (2)	8	Regularly evaluate and communicate the results of evaluation to stakeholders. Adapt plans to the performance level of technology.	-

Task 1.3. Reliable platforms

Partners: EF 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	Oct M38	Nov M39	Dec M40	Jan M41	Feb M42
Objective 1.3.1. APIs and infrastructure are high-performing								
EF, AIT Vienna	Full disaster recovery test completed ²¹	Not started	Mar '22					
EF	Recommendation service is fine-tuned and production ready	Not started	Jun '22					
EF	Alternative hosting platforms investigated	40%	Jun '22					
EF	Solr and Mongo reindexed ²²	Ongoing	-					
EF, AIT Vienna	Core APIs are maintained (incidents, bugs, technical debt improvements, software updates, releases) - 15% of M37	Ongoing	-					
EF	Infrastructure is maintained (bugs, attacks, clean-ups, upgrades, back-ups) - 15% of M37	Ongoing	-					

Solr and Mongo reindexed - The whole Europeana dataset was re-enriched and re-indexed at the end of October to include:

- change in Solr to add docValues in order to support A to Z sorting for Newspaper Titles;
- change in Solr to support the indexing of provider and data provider's URIs

Reporting metrics: reliable platforms

No.	Description	Measured by	Frequency	Oct 2020	Oct 2021	Nov 2020	Nov 2021
RM 1.8	Response time of Europeana website	Average time (seconds) for single record per month	Monthly	1.38	1.9	1.52	0.9

²¹ This outcome will feed into C.4 Stress and disaster recovery test reports (March 2022).

²² Outcomes in other tasks require a reindexing activity. The planning will be aligned with those outcomes.

RM 1.9	Uptime of Europeana website	Average in % for single records per month	Monthly	99.49	99.52	99.77	99.89
RM 1.8	Response time of APIs (all)	Average response time (seconds) per month	Monthly	0.22	0.25	0.22	0.17
RM 1.9	Uptime of APIs (all)	Average in % per month	Monthly	100	99.98	99.99	99.97
RM 1.10	Response time of Europeana Pro	Average response time (seconds) per month	Monthly	0.86	0.90	0.84	1.01
RM 1.11	Uptime of Europeana Pro	Average in % per month	Monthly	99.99	100	99.99	100
RM 1.12	Uptime of Metis	Average in % per month	Monthly	100	100	100	100

Throughout the year we saw an increase in response time for the Europeana website due to the hosting provider. In October 2021, we mitigated that by moving away from the IBM cloud foundry environment to IBM Kubernetes cluster. Afterwards we saw an immediate improvement in performance.

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	Oct M38	Nov M39	Dec M40	Jan M41	Feb M42
Objective 1.4.1. Deliver high-quality editorial features								
EF	Europeana Sport season content ²³ published and promoted	Done	Sep '21					
EF	Black History Month (autumn season)	100%	Oct '21	■				
EF	Women's History Month	Not started	Mar '22					
EF, DSI AGG	Editorial content (exhibitions, blogs and galleries) ²⁴ published and promoted	Ongoing	-					
EF, DSI AGG	Stories page ²⁵ and new feature pages ²⁶ published and promoted	Ongoing	-					
EF	New European Bauhaus ²⁷ content published	Ongoing	-					
EF	European Year of Youth content published	Ongoing from Jan 2022						
EF	Exhibition: Black lives in Europe	100%	Oct '21	■				
EF	Exhibition: The art of reading in the Middle Ages (GS project ARMA)	100%	Oct '21	■				
EF	Exhibition: Louise Weiss: a committed European (EU Parliament)	100%	Nov '21	■	■			
Objective 1.4.2. Communication and dissemination to European citizens								
EF	GIF IT UP organised	100%	Oct '21	■				
EF	Black History Month promoted	100%	Oct '21	■				
EF	Women's History Month promoted	Not started	Mar '22					

²³ Editorials from the Europeana Sport Generic Services project contributed to this outcome <https://pro.europeana.eu/project/europeana-sport>

²⁴ Editorials from (Europeana) Generic Services projects contribute to this outcome.

²⁵ <https://www.europeana.eu/stories>

²⁶ For example: <https://www.europeana.eu/pandemics>

²⁷ <https://www.europeana.eu/new-european-bauhaus>

EF	Digital Storytelling Festival promoted	Not started	May '22					
EF	Newsletter and social media posts (Facebook, Twitter, Instagram, Pinterest) published ²⁸	Ongoing	-					
Objective 1.4.3. Engage with educational communities								
EuroClio	Historiana learning resources support different media types (including audio and audiovisual sources)	75%	Dec '21					
EF	Annual Open Education Week: contribution added	Not started	Mar '22					
EF	All Digital Week campaign: contribution added	Not started	Mar '22					
EUN	4 runs and language versions of the Digital Education with Cultural Heritage MOOC launched	40%	Mar '22					
EuroClio	Training session on partner pages organised	15%	Apr '22					
EUN	Europeana Education competition finalised	Not started	May '22					
EuroClio	Webinar series for Historiana users (4 webinars organised)	25%	May '22					
EuroClio	Train-the-trainers sessions organised	20%	Jul '22					
EuroClio	15 multilingual Historiana eLearning activities produced	Not started	Aug '22					
EUN	55 new multilingual learning scenarios produced and curated to publish in the Teaching with Europeana blog	Not started	Aug '22					
EuroClio	Dashboard on Historiana for partners to gain insights into usage available	Not started	Aug '22					
EF	Blogs and social media posts (LinkedIn, Facebook, Twitter) published	Ongoing	-					
EF	Europeana Education community ²⁹ supported	Ongoing	-					

²⁸ Editorial outcomes of GS projects are promoted.

²⁹ <https://pro.europeana.eu/page/europeana-education>

EF	Built with Bits	60%	Jan '22	
Objective 1.4.4. Attract API users and grow data usage				
EF	API outreach strategy updated (internal)	90%	Jan '22	
EF	API libraries, FAQs, and tutorials maintained and updated	10%	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	-	

Black History Month (autumn season) - Through editorial and digital storytelling, in October we aimed to bring a spotlight to Black history in Europe. The cornerstone for Black History Month on the Europeana website was a new exhibition *Black lives in Europe*. We also published three new galleries (e.g. *Black People in European art*³⁰) and seven blogs (e.g. *Ira Aldridge, Shakespearean actor*³¹) which told further stories relating to the lives and communities of Black people in Europe. These were prepared by Europeana and partner projects, organisations and individuals. Based on this editorial, we created an email course highlighting Black history through the stories of 13 people. More than 1,000 people subscribed to the course and it received positive feedback from surveyed subscribers, with each respondent saying they had learned something new. These stories were gathered together on a feature page³² on the Europeana website which was promoted throughout October. The season also included promotional activities to professionals with six Pro news articles³³ focusing on work professionals in the sector were undertaking in relation to Black History Month and thereby connecting the work on the Europeana website with Europeana Pro.

*Exhibition: Black lives in Europe*³⁴ - the exhibition presented the stories and achievements of Black figures from across Europe from the 1600s to the present day. The exhibition was published in English as well as French, German, Italian, Polish, Romanian and Spanish.

*Exhibition: The art of reading in the Middle Ages (GS project ARMA)*³⁵ - the exhibition was created within the framework of the Generic Services project 'ARMA – The Art of Reading in the Middle Ages'³⁶, and explored the literary and linguistic cultures of the medieval period. The exhibition was published in English as well as Dutch, German, Czech, Slovenian and French.

³⁰ <https://www.europeana.eu/galleries/black-people-in-european-art>

³¹ <https://www.europeana.eu/blog/ira-aldrige-shakespearean-actor>

³² <https://www.europeana.eu/black-history>

³³ <https://pro.europeana.eu/tags/black-history-month-2021>

³⁴ <https://www.europeana.eu/exhibitions/black-lives-in-europe>

³⁵ <https://www.europeana.eu/exhibitions/the-art-of-reading-in-the-middle-ages>

³⁶ <https://pro.europeana.eu/project/the-art-of-reading-in-the-middle-ages-arma>

*Exhibition: Louise Weiss: a committed European*³⁷ (EU Parliament) - this is the latest exhibition published in partnership with the Archives of the European Parliament, available in 24 languages. It explores the life of the renowned journalist, feminist activist, writer, filmmaker and elected Member of the European Parliament (MEP).

GIF IT UP organised - Innovations for this year's GIF IT UP contest included: 'The GIF-making Academy', a three-part email course offering the first-time GIF maker the opportunity to receive information and training resources directly into their mailbox; a dedicated category for sporting GIFs was created to align with the Europeana Sport season; welcoming the Art Institute of Chicago³⁸ as a new partner, complementing existing partners in Europe, the Americas, Asia and Australasia; previous entrants sharing how they make GIFs and get inspired, on the Europeana blog. In total, we received 186 entries, of which 158 were eligible for public and jury competition.

³⁹

Black History Month promoted - please see reporting for outcome 'Black History Month (autumn season)' above.

Communication and dissemination activities

Partner	Name of event	Activity	Location	Date
EF	MCN 2021 VIRTUAL	Presented Europeana's Digital Storytelling Festival to conference about museums and digital engagement	Online	14/10/2021
EF	Conocimiento Abierto, Chile ⁴⁰	Presented Europeana to Chilean seminar about global open access initiatives and promote collaborative work for the implementation of a policy at the national level	Online	26/10/2021
EF	CRAFTED kick-off event	Presented at the CRAFTED kick-off to raise awareness about the value of the use of the Europeana API suite in this GS project, ran workshop to make partners aware of how to use the Europeana APIs	Athens, Greece	01/10/2021
EUN	Educators Ambassadors kick-off meeting	Meeting with the Europeana Educators Ambassadors and the EUN team to coordinate all the academic year activities	Online	06/11/2021

³⁷ <https://www.europeana.eu/de/exhibitions/louise-weiss-a-committed-european>

³⁸ <https://www.artic.edu/>

³⁹ <https://gifitup.net/>

⁴⁰ <https://www.youtube.com/watch?v=oQVNtF-sSZE>

EF	Biblored Bogotá, Colombia ⁴¹	Presented Europeana during the Week of Digital Culture and Innovation organized by the institution	Online	09/11/2021
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Reporting metrics: discoverability of digital cultural content

No.	Description	Measured by	Frequency	Target	Oct 2020	Oct 2021	Nov 2020	Nov 2021
KPI 1.5	Satisfaction rate for exhibitions	Average satisfaction on a 5-point Likert scale (cumulative) ⁴²	Monthly	75%	89%	86%	89%	87%
KPI 1.6	Reach on social media	Total number of impressions on social media (Facebook, Pinterest, GIPHY, Instagram, Twitter) (cumulative)	Monthly	450 million	81.3 M	70.8 M	122.4 M	117.2 M
KPI 1.7	Learning resources for education ⁴³	Total number of resources using Europeana data (cumulative)	Monthly	50	10	-	11	Expected Feb '22
KPI 1.8	External learning environments for education	Total number of integrations of Europeana educational offers (cumulative)	Monthly	5	-	1	-	1
KPI 1.9	Satisfaction rate of educational communities	Average satisfaction on a 5-point Likert scale (cumulative)	Monthly	75%	76.8%	-	76.8%	Expected Jan '22
RM 1.13	Editorial outcomes: exhibitions	Number of exhibitions	Bi-Monthly	-	-	-	4	5

⁴¹ <https://www.youtube.com/watch?v= IEPFwDTggs>

⁴² 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%).

⁴³ Metric excludes multilingual resource variations.

		created (cumulative)						
RM 1.14	Editorial outcomes: blogs	Number of blogs created (cumulative)	Bi-Monthly	-	-	-	37	34
RM 1.15	Newsletter subscribers	Total number of subscribers	Bi-Monthly	-	-	-	49,335	49,040
RM 1.16	Social media engagement	Total number of likes, shares, comments per month (Facebook, Twitter, Pinterest, Instagram)	Monthly	-	574,900	286,361	391,893	232,316
RM 1.17	Social media followers/fans	Total number on social media (Facebook, Twitter, Pinterest, GIPHY, Instagram)	Monthly	-	218,153	229,246	219,849	229,833
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	-	-	-	-	Expected Apr '22
RM 1.21	Reach to Europeana Education community	Number of people reached per month (mailing list, LinkedIn, Facebook)	Bi-monthly	-	-	-	6,729	8,928

RM 1.22	API usage (REST API)	Number of API users that exceeded the average of 5 calls a day per month	Monthly	-	59	47	55	53
RM 1.23	API usage (REST API)	Number of API users that were active for more than 5 days in each month	Monthly	-	56	47	51	55
RM 1.24	API usage (REST API)	Total number of requests per month (external traffic)	Monthly	-	-	15.8 M	- ⁴⁴	13.8 M
RM 1.25	API users (REST API)	Total number of API users per month	Monthly	-	184	164	177	162
RM 1.26	API sign-ups (REST API)	Number of API sign-ups per month	Monthly	-	77	47	67	45

In October/November 2021 we published 23 new blogs⁴⁵ and three exhibitions⁴⁶. In October 2020 and 2021 we organised the GIF IT UP campaign which contributed to high engagement. We can see that the engagement in 2021 was lower. Probably the 2020 figures are partly affected by the higher engagement during the pandemic. However, we believe that mainly the newly introduced GDPR rules and iOS 14⁴⁷ are limiting the opportunities to track engagement on Facebook (which was the biggest contributor to engagement). Additionally, this year next to the GIF IT UP campaign we organised the Black History Month which is a more difficult topic to promote on social media (because it contains content considered sensitive, political or offensive by social networks), yet important for representation, inclusivity and diversity of collections.

Risk assessment: discoverability of digital cultural content

ID	Risk	Probability	Impact	Rate	Mitigation strategy	Change
R1.9	Editorials which depend on third party contributions	Medium (3)	Medium (3)	9	Frequent communication with	-

⁴⁴ In Oct/Nov 2020, we recorded requests including external and internal requests (e.g. done by the Europeana website). Therefore numbers are not comparable.

⁴⁵ <https://www.europeana.eu/en/blog>

⁴⁶ <https://www.europeana.eu/en/exhibitions/a-century-of-technology>

⁴⁷

<https://www.theverge.com/2021/4/27/22405474/apple-app-tracking-transparency-ios-14-5-privacy-update-facebook-data>

	might not progress as planned				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	Medium (3)	Medium (3)	9	Adaptation and diversification of channels, tools and platforms used	-
R1.11	School lockdowns for COVID	High (4)	Medium (3)	12	Most of the activities with teachers are planned for the digital environment but some necessary implementations with students might be hampered.	-
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	-
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.	-

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	Oct M38	Nov M39	Dec M40	Jan M41	Feb M42
Objective 2.1.1. Raise the quality of content and metadata								
EF	Publishing guide is updated with additional guidance on 3D requirements for content	100%	Jan '22					
EF	Report on actions taken to re-engage with inactive partners (internal)	30%	Feb '22 Aug '22					
EF, DSI AGG	MS4 DSI AGG annual work plan review (internal)	Not started	Feb '22 Aug '22					
EF	Normalisation of dates in the metadata implemented	10%	Jun '22					
EF	Mislabelled 3D content corrected in the Europeana database	Not started	Aug '22					
EF	Precision of the content tier measurement of 3D content in Europeana is improved	Not started	Aug '22					
EF, DSI AGG	Recommendations for identifying and managing diversity in cultural heritage data (internal)	10%	Aug '22					

SPK, EF	Report on OCR full-text processing and quality improvement and its impact on display and search ⁴⁸ delivered (internal)	Not started	Aug '22					
DSI AGG	Data quality improvements and new content delivered ⁴⁹	Ongoing	-					
EF	Data partners supported with data quality improvements and data publication (DSI, Generic services ⁵⁰ , and others)	Ongoing	-					
EF	Regular link resolution process is maintained	Ongoing	-					
Objective 2.1.2. Maintain data and publishing frameworks, standards and documentation								
EF	Training resources (V1) for Statistics Dashboard developed	25%	Mar '22					
EF	First implementation of the field warnings concept to flag longtail data issues with titles and descriptions	10%	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)	10%	Jul '22					
EF	Statistics Dashboard maintained	Ongoing	-					
EF	EDM updated and documented	Ongoing	-					
EF	EDM Annotation Profile published	90%	Dec '21					
Objective 2.1.3. Influence global interoperability and technological innovation								
EF, NISV	EuropeanaTech community ⁵¹ is supported	Ongoing	-					
EF	Data Quality Committee ⁵² is supported	Ongoing	-					
EF	IIIF Discovery Technical Specification Group ⁵³ is supported	Ongoing	-					

⁴⁸ Contributes to FT-F3 in the Search Improvement Strategy.

⁴⁹ Detailed information on DSI AGG work as well as progress achieved will be provided in the annual review of work plans.

⁵⁰ For more information on data quality improvements and data ingestion from the Generic Services projects, please see [Annex 5: GS outcomes integration overview](#).

⁵¹ <https://pro.europeana.eu/page/europeanatech>

⁵² <https://pro.europeana.eu/project/data-quality-committee>

⁵³ <https://iiif.io/community/groups/discovery/>

EF	Data mapping and conversions with stakeholders is supported	Ongoing	-						
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Publishing guide is updated with additional guidance on 3D requirements for content - Criteria for quality of 3D content in line with the Europeana Publishing Framework (EPF) were not well defined to date. This gap is now closed with the update of the Europeana Publishing Guide.⁵⁴ Based on outcomes of the 3D Task Force⁵⁵ and follow-up work in the Data Quality Committee, criteria for 3D content quality were defined, following the same principles as for all other content types. Now we have a clearer definition on what is needed to be compliant with each of the EPF tiers. Having this well defined will help us classify the increasing number of 3D items that we expect over the next few years.

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) - In DSI-4 Y3 several EPF related services and products were identified to improve the way we acknowledge content quality. Technical feasibility checks are currently underway to see which of the proposed changes are possible to implement in our current infrastructure to acknowledge content quality.

Report on actions taken to re-engage with inactive partners - In the reporting period we started the update of about 2 million records from Arts Council Norway that were inactive for many years. More cases of inactive partners have been identified as part of the work to address broken links, which will be worked on in Q1 2022.

Reporting metrics: quality assured data

No.	Description	Measured by	Frequency	Target	Oct 2020	Oct 2021	Nov 2020	Nov 2021
KPI 2.1	High quality content	Percentage of Tier 2 + material (excluding content Tier 0)	Monthly	>70%	64.36%	68.51%	66.81%	68.88%
KPI 2.2	High quality and reusable content	Percentage of Tier 3+ material (excluding content Tier 0)	Monthly	>50%	42.70%	46.35%	44.67%	48.30%
KPI 2.3	High quality metadata (search, browse and	Percentage of Tier A+ material (excluding content Tier 0)	Monthly	>70%	57.05%	65.36%	57.94%	68.08%

⁵⁴ Requirements for 3D content (Tier 1):

<https://europeana.atlassian.net/wiki/spaces/EF/pages/2059796518/Requirements+for+3D+content+Tier+1>, Technical criteria for 3D content (Tier 2-4):

<https://europeana.atlassian.net/wiki/spaces/EF/pages/2059796527/Technical+criteria+for+3D+content+Tier+2-4>.

⁵⁵ <https://pro.europeana.eu/project/3d-content-in-europeana>

	explore)							
KPI 2.4	Europeana Research and Development contributions	Total number of reference papers or presentations (cumulative)	Monthly	10	2	4	2	5
RM 2.1	Broken links in the repository	Number of broken links (out of total)	Quarterly	-	-	-	1.1 M	Expected Dec 2021
RM 2.2	Non-EPF compliant content (Tier 0)	Percentage of Tier 0 content	Monthly	-	16.86%	15.65%	17.10%	15.65%
RM 2.3	Updates to datasets	Total number of newly created and updated datasets per month (out of total)	Monthly	-	42	58	83	26
RM 2.4	Updates to records	Total number of newly created and updated records per month (out of total)	Monthly	-	1,390,802	1,582,049	2,934,640	233,643
RM 2.5	New CHIs published on Europeana website	Total number of new CHIs (cumulative)	Once a year	-	-	-	-	Expected Aug 2021
RM 2.6	New content on the Europeana website	Total number of new datasets published (cumulative)	Bi-monthly	-	NEW	-	NEW	20
RM 2.7	Records in the data repository	Total number of records (excluding content tier 0)	Monthly	-	52.1 M	53 M	51 M	51 M
RM 2.8	Records in the data repository by accredited aggregators	Total number of records (excluding content tier 0)	Bi-monthly	-	-	-	33 M	35.4 M

RM 2.9	Reach to EuropeanaTech community	Number of people reached per month (Mailing list, Twitter)	Bi-monthly		-	-	5,951	6,484
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In October/November 2021, we updated 84 datasets and over 1.8 million records which led to an increase of high quality content and metadata. In the period, we published 20 new datasets (for example⁵⁶).

KPI 2.2 (Tier 3+ material) and KPI 2.3 (Tier A+ material) went up significantly as the total number of records (RM2.7) went down due to a massive depublishation work of T0, T1, T2 content. APEF depublished a lot of low quality data and has started to replace it with a lower number of high quality items. This is great progress however APEF will not add again the same number of records that were depublished. We also removed the entire collection from Arts Council Norway and over the next 6-12 months we will add new and improved collections from Norway to compensate for this loss.

We saw four new research and development reference publications in October/November 2021:

Partner	Name of activity	Activity	Location	Date
EF	DCMI Virtual 2021	Presentation "Addressing multilingual challenges at Europeana: An update" ⁵⁷	Online	4-15/10/2021
EF	DCMI Virtual 2021	Presentation in panel "Entity Management" ⁵⁸	Online	4-15/10/2021
EF	Estonian National Library "Digital Memory 2021 - AI – Making Cultural Heritage Smarter?" webinar	Presentation "Using AI to enrich cultural images: the Saint George on a Bike project" ⁵⁹	Online	21/10/2021
EF	2021 Fall Working Meeting	Talk "Supplemental textual resources in Europeana: update and technical considerations"	Online	16-18/11/2021

Risk assessment: quality assured data

ID	Risk	Probability	Impact	Rate	Mitigation strategy	Change
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⁵⁶ https://www.europeana.eu/en/search?page=1&view=grid&query=edm_datasetName%3A590_%2A

⁵⁷ https://www.dublincore.org/conferences/2021/presentations/addressing_multilingual_challenges_at_europeana_an_update/

⁵⁸ https://www.dublincore.org/conferences/2021/presentations/entity_management/

⁵⁹ <https://www.nlib.ee/et/digital-memory-2021>

R2.1	Data partners don't control content quality and have difficulties to incentivise the improvement of content quality.	High (4)	Medium (3)	12	The new Europeana website is much better featuring high quality content related to specific themes, subjects, and people. This can help to have a motivation for CHIs to invest in content quality. In parallel, training on the real message 'the more you give the more you get' of the EPF can help to focus more on publishing with a purpose.	-
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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	Oct M38	Nov M39	Dec M40	Jan M41	Feb M42
Objective 2.2.1. Extend entities to support better browsing								
EF	Enrichment with new entities for new/updated items available	Not started	Mar '22					
EF, AIT Vienna	Curation pilot within entity pages completed	Not started	Aug '22					
EF	Representation of organisation entities is improved	5%	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	-					
Objective 2.2.2. Use of crowdsourcing and AI to enrich metadata								

EF	Agreement on further AI/ML experiments and assessments	30%	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	20%	Aug '22	■	■	■	■	■
APEF	Tool for automated topic detection updated to beta version	20%	Aug '22	■	■	■	■	■
APEF	2 projects on enriching metadata via crowdsourcing completed	20%	Aug '22	■	■	■	■	■
Photoco ns	2 crowdsourcing campaigns to enrich data completed	20%	Aug '22	■	■	■	■	■
F&F, EF	Transcribathon runs/events organised and transcriptions transferred to Europeana	Ongoing	-					
F&F	Transcribathon.eu maintained	Ongoing	-					

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 Europeana's data problems	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 respect to scarcity of data to correctly train AI systems)	-

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	Oct M38	Nov M39	Dec M40	Jan M41	Feb M42
Objective 3.1.1. Develop event programming and training practices								
EF	Method for assessing satisfaction of training resources implemented	Not started	Jan '22					
EF	Impact assessment of Europeana 2021 conference delivered (internal)	40%	Apr '22					
EF	Guidelines for delivering training and development activities developed (public)	10%	Jun '22					
EF	Events Toolkit updated (public)	Not started	Jul '22					
EF	Evaluation of CHI satisfaction with capacity building services and tools delivered	Not started	Jul '22					

EF	Events programme supported and improved (events calendar, formats, tools)	10%	Aug '22	■	■	■	■	■
EF	Activities of the international Events Manager Group coordinated ⁶⁰	Ongoing	-					
Objective 3.1.2. Deliver events for professionals and partners								
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	Not started	Jul '22					
EF	Themed programme of events supported and delivered (ENA and communities, EAF, DSI AGG and others)	Ongoing	-					
Objective 3.1.3. Deliver training and professional development resources								
EF	Version 1 of Europeana Knowledge Base for aggregators released (public)	70%	Jan '22	■	■	■	■	
EF	Report on the assessment of training needs for Europeana technical tools and services completed (internal)	Not started	Jan '22					
DEN	DEN Leadership programme 2nd Cohort completed	15%	Jun '22	■	■	■	■	■
EF, DEN	Feasibility report for DEN Leadership programme for Europeana completed (internal)	15%	Jul '22	■	■	■	■	■
EF	Knowledge sharing activities, training and resources delivered and published	Ongoing	-					
EF	Crowd-sourced open inventory of training opportunities maintained	Ongoing	-					
DSI AGG, F&F	Training workshops, webinars and/or one-to-one support provided	Ongoing	-					
EF, DEN	DEN Leadership programme call for application and participant selection	100%	Oct '21	■				

⁶⁰ The Events Managers Group includes several partner organisations including: Liber, Creative Commons, RightsConn, NEMO, Museum Computer Network, GIJN, Accessnow, IFLA, EuropaNostra and WiKi Foundation.

Europeana Annual Conference 2021 organised - On 10, 11 and 12 November the Europeana 2021⁶¹ conference was held. The programme welcomed 800 participants, 3 keynotes, 12 panel members, 33 parallel sessions and 67 speakers. People joined from: Europe, Russia, Thailand, India, Indonesia, Mexico, USA, Canada, Brazil, Pakistan, Japan, Taiwan, Israel, Argentina, United Arab Emirates, South Africa. The conference received a very good average satisfaction rate of 82%. More details on the impact of the conference will be provided with a dedicated impact assessment that we will report on in April 2022.

Europeana Aggregators' Forum Fall meeting organised - The autumn meeting of the Europeana Aggregators' Forum (EAF) was held online on 26 and 27 October 2021. It followed a very similar agenda structure compared to previous meetings. On 26 Oct we kicked off with the General Assembly of the EAF where we among others signed off the revised version of the accreditation scheme. Later in the day we explored funding opportunities for aggregators and kicked off the work on equity, diversity and inclusivity and what it means for data providers and aggregators. On 27 Oct we celebrated the progress made on implementing IIF with a conference style programme with many contributions from EAF members. This programme also set the scene for the next steps of the Europeana Tech / EAF IIF working Group. Around 60 people from 31 of our 40 accredited aggregators participated in the meeting.

DEN Leadership programme call for application and participant selection - The call for application for the second cohort was published and promoted to Europeana Network Association members by email. 62 people applied to participate. These are cultural heritage professionals from institutions of various sizes, policy makers, and others from all over Europe. 16 participants have been selected from the applications. The first meeting has taken place.

Reporting metrics: build capacity of aggregators and professionals

No.	Description	Measured by	Frequency	Target	Oct 2020	Oct 2021	Nov 2020	Nov 2021
KPI 3.1	Aggregator satisfaction with Europeana (accredited aggregators)	Average satisfaction on a 5-point Likert scale ⁶²	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	-	-	-	14	10

⁶¹ <https://pro.europeana.eu/page/conference>

⁶² 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 3.2	Participants attending events for professionals	Number of participants (cumulative)	Bi-monthly	-	-	161	1,726	980
RM 3.3	Satisfaction rate for events for professionals	Average satisfaction on a 5-point Likert scale (cumulative)	Bi-monthly	-	-	-	-	85% ⁶³
RM 3.4	Satisfaction rate for annual conference (Europeana 2021)	Average satisfaction on a 5-point Likert scale	Once a year	-	-	-	82%	82%
RM 3.5	CHIs supported by DSI aggregators	Total number of CHIs supported by individual consultation (cumulative)	Bi-annual	-	-	-	-	Expected Feb '21
RM 3.6	Coverage of CHIs supported by DSI aggregators	Total number of countries that received support by individual consultation (cumulative)	Bi-annual	-	-	-	-	Expected Feb '21
RM 3.7	Outreach to CHIs	Total number of new CHIs collaborating with DSI aggregators (cumulative)	Bi-annual	-	-	-	-	Expected Feb '21
RM 3.8	Events delivered through the EAF training programme	Number of events delivered by DSI AGG and EF (cumulative)	Bi-monthly	-	-	-	15	2

⁶³ To avoid user research fatigue we will only measure satisfaction at a smaller range of selected events.

RM 3.9	Participants attending EAF training programme	Number of participants in events delivered by DSI AGG and EF (cumulative)	Bi-monthly		NEW	-	NEW	54
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In October/November 2021, EF held seven events for professionals⁶⁴ with 882 participants attending in total. Events organised in the period received a high average satisfaction of 85%.

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

Partner	Name of event	Activity	Location	Date
Events organised for professionals				
EF	Europeana- GLAMers events ⁶⁵	The GLAMers organised a workshop to explore how to implement a variety of digital audience engagement techniques that have emerged within the GLAM and cultural sector during the COVID-19 pandemic.	Online	13/11/2021
EF/WEAVE	Europeana Labday Event ⁶⁶	This Europeana LabDay introduces the WEAVE project in collaboration with Europeana Foundation.	Online	18/11/2021
EF/EAF	Europeana Aggregators' Forum ⁶⁷	Day 1 - EAF autumn meeting Day 2 - EAF & IIF	Online	28- 29/11/ 2021
EF	Copyright Office Hours ⁶⁸	This session focused on questions around using digital cultural heritage in education	Online	30/11/ 2021
EF/ENA	ENA General Assembly ⁶⁹	Annual General meeting of the ENA	Online	03/11/2021

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

⁶⁵ <https://pro.europeana.eu/event/youth-audience-engagement-during-covid-digital-ideas-and-methods-from-the-glamers>

⁶⁶ <https://pro.europeana.eu/event/europeana-labday>

⁶⁷ <https://www.eventbrite.co.uk/e/europeana-aggregators-forum-meeting-fall-2021-tickets-164839153345>

⁶⁸ <https://pro.europeana.eu/event/copyright-office-hours-use-of-digital-cultural-heritage-in-education>

⁶⁹ <https://pro.europeana.eu/event/ena-general-assembly-2021>

EF	Europeana 2021 Conference Day 1, 2 & 3 ⁷⁰	This event aimed to raise voices from across the sector to empower digital transformation and explore the role digital cultural heritage plays in supporting a sustainable, responsible and inspiring cultural heritage sector for today and tomorrow.	Online	10, 11 & 12/11/2021
EF	Collecting diversity data for audiences and professionals in the CH sector ⁷¹	This webinar explores how to further the collection of diversity data in the cultural heritage sector in Europe.	Online	18/11/2021

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 stakeholders, and an effective feedback cycle is established.	-

⁷⁰ <https://pro.europeana.eu/page/conference>

⁷¹

<https://pro.europeana.eu/event/collecting-diversity-data-for-audiences-and-professionals-in-the-cultural-heritage-sector-in-europe>

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)⁷² and Europeana Aggregators' Forum (EAF)⁷³ (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	Oct M38	Nov M39	Dec M40	Jan M41	Feb M42
Objective 3.2.1. Effective governance of Network services (ENA/EAF)								
EF	ENA General Assembly organised	100%	Nov '21	█	█			
EF	ENA Governance renewed (MC election and MB appointment)	70%	Jan '22	█	█	█	█	
EF	ENA Governance working group ⁷⁴ supported	Ongoing	-					
EF	ENA and EAF periodic meetings organised (incl. ENA MB and MC, and EAF Steering Group and Forum)	Ongoing	-					
EF	MC election campaign completed	100%	Nov '21	█	█			
EF	MC meeting	90%	Dec '21	█	█	█		
Objective 3.2.2. Maintain and develop operational activities of ENA/EAF								
EF	Climate Action Community launched	100%	Nov '21	█	█			
EF	ENA community work plans 2022 published	70%	Feb '22	█	█	█	█	█
NISV, EF	Annual reports 2021 (ENA and EAF) published	50%	Feb '22	█	█	█	█	█
NISV, EF	Annual work plans 2022 (ENA and EAF) published	50%	Feb '22	█	█	█	█	█

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

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

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

EF	Recommendations on how to feedback task force recommendations to wider community (internal)	15%	Feb '22	■	■	■	■	■
EF	Report of Diversity & Inclusivity Task Force published	Not started	Jun '22					
EF	Reporting model for network engagement extended	Not started	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	Workshops on co-creation and envisioning climate action	100%	Oct '21	■				
EF	The Europeana Climate Action Manifesto launched	100%	Nov '21	■	■			

Objective 3.2.3. Reach out and engage with other communities and networks

EF	Events of Research Grants Programme 2021 completed	Not started	Aug '22					
EF, CLARIN	Outreach outcomes to research communities published	Not started	Aug '22					
EF	Europeana Research community ⁷⁵ and Research Advisory Board ⁷⁶ 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	-					
EF	Europeana Research Grants Programme 2021 winners selected	100%	Nov '21	■	■			
EF	Europeana Research community videos published	50%	Dec '21	■	■	■		
CLARIN	Adding high-level resources to resource families in the VLO	15%	Dec '21	■	■	■		
CLARIN	Organise training on how to use Europeana	10%	Jun '22	■	■	■	■	■

⁷⁵ <https://pro.europeana.eu/page/europeana-research>

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

	data sets for processing with Natural Language Processing tools								
EF	Partnership with LIBER in working group on Digital Scholarship and Digital Cultural Heritage ⁷⁷	Ongoing	-						
Objective 3.2.4. Develop user and market research									
EF	Pro user survey completed	5%	Mar '22						
EF	Report on improved offers for professional audiences in the cultural sector completed (internal)	10%	Apr '22						
EF	Marketing, communications and product development benchmarking and insight developed	Ongoing	-						
Objective 3.2.5. Communicate and promote activities to professionals and partners									
EF	Dissemination strategies for key channels (Twitter, LinkedIn, Europeana Pro) delivered (internal)	15%	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) ⁷⁸	Ongoing	-						
EF	Europeana Communicators community ⁷⁹ supported	Ongoing	-						
EF	Accessibility review on Europeana Pro	65%	Apr '22						

ENA General Assembly organised - On 3 November 2021, around 120 ENA members gathered virtually at the ENA General Assembly⁸⁰. The audience had an opportunity to learn more about the governance of ENA and the six existing communities, their task forces and future plans. The

⁷⁷ <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.

⁷⁸ Including GS editorials published on Europeana Pro.

⁷⁹ <https://pro.europeana.eu/page/europeana-communicators-group>

⁸⁰

https://pro.europeana.eu/files/Europeana_Professional/Event_documentation/Events/AGM/General-Assembly-2021-Digital-Programme-Public.pdf

members approved the ENA Annual Report 2021⁸¹, Activity Plan for 2022⁸², Financial Report 2020⁸³ and Provisional Budget for 2022⁸⁴ and reflected on the ENA's achievements over the year. One of the highlights was a panel discussion dedicated to engineering the Network and engaging ENA members in the work of Europeana. In an effort to help new professionals in the Europeana ecosystem and connect them with more experienced network members, a 'buddy system' was introduced during a social event that followed.

MC election campaign completed - We started the 2021 elections campaign on 13 September, and the voting opened during this year's General Assembly meeting on 3 November and ran until 10 November. 73 candidates came forward. Of the 3,212 members, who confirmed their membership by November and were eligible to vote, 788 (25%) participated in the elections. The newly elected Councillors are: [Jorge Cardoso](#), [Francesca Condorelli](#), [Vincenza Ferrara](#), [Melanie Imming](#), [Nina Janz](#), [Rebecca Kahn](#), [Ping Kong](#), [Denise Melanie Lagrosa](#), [Chris de Loof](#), [Antonio Davide Madonna](#), [Anna Maria Marras](#), [Marianna Marcucci](#), [Alexandra Milanova](#), [Vassiliki Sakka](#), [Sofie Taes](#), [Altheo Valentini](#) and [Ines Vodopivec](#). 10 Councillors have been re-elected for the second term: [Henk Alkemade](#), [Flavia Bruni](#), [Steven Claeysens](#), [Rob Davies](#), [Killian Downing](#), [Maria Drabczyk](#), [Loa Steinunn Kristjansdottir](#), [Hans van der Linden](#), [Clemens Neudecker](#) and [Dafydd Tudur](#).

Climate Action Community launched - The Europeana Climate Action Community⁸⁵ was announced at the AGM on 3 December - a soft launch at that point. It consisted of putting in place a community page on Pro as a way for members to sign up. The Community and sign up was publicly launched and promoted on 11 November in conjunction with the launch of the manifesto. The current 'Call to Action' in the manifesto is to join the Community and to share the manifesto. The Community and sign up were also promoted in a Europeana Pro piece on climate action⁸⁶ and the December Network and Member States newsletters. The process for appointing the Community Steering Group will start in January 2022. The Community membership stands at 62 including existing ENA members and new members. The Community acknowledges that climate change is an emergency and that cooperative action is required. It aims to drive impactful, cooperative and sustainable action to address the climate emergency and the environmental impact of the digital transformation of the cultural heritage sector with systemic

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https://pro.europeana.eu/files/Europeana_Professional/Europeana_Network/Association_Updates/General_Assembly_Meeting_2021/Europeana-Network-Association-Annual-report-2021.pdf

82

https://pro.europeana.eu/files/Europeana_Professional/Europeana_Network/Association_Updates/General_Assembly_Meeting_2021/Europeana-Network-Association-Activity-Plan-2022.pdf

83

https://pro.europeana.eu/files/Europeana_Professional/Europeana_Network/Association_Updates/General_Assembly_Meeting_2021/Europeana-Network-Association-Financial-Report-2020.pdf

84

https://pro.europeana.eu/files/Europeana_Professional/Europeana_Network/Association_Updates/General_Assembly_Meeting_2021/Europeana-Network-Association-Budget-2022.pdf

85 <https://pro.europeana.eu/page/climate-action-community>

86

<https://pro.europeana.eu/post/talking-climate-change-at-the-europeana-foundation-a-green-team-and-community-acti-on>

change within institutions and networks. The members exchange knowledge, approaches and good practice related to climate action and collaborate to that end.

Workshops on co-creation and envisioning climate action - EN, EF and EAF held 3 envisioning workshops to determine their joint vision and position in relation to the climate emergency and actions they undertake collectively. The output informed the joint position statement of ENA, EF and EAF i.e. the manifesto. The workshops also reflected on the vision and the construct of the Community.

The Europeana Climate Action Manifesto launched - At Europeana 2021, Europeana announced its Climate Action Manifesto⁸⁷. Through the manifesto ENA, EF and EAF agree to advocate for and embed working practices that minimise the digital cultural heritage sector’s impact on the climate and environment. The announcement was supported by and reflected in dedicated social media. A Europeana Pro piece on climate action⁸⁸ as part of the business plan series featured the manifesto and the community. In the weeks following the conference the manifesto continued to be featured on the Pro home page and as the main home page banner. The manifesto was promoted in the November Network newsletter and in the December edition of the Member States newsletter.

Europeana Research Grants Programme 2021 winners selected - we selected and announced the winners⁸⁹ on Europeana Pro on the occasion of the ENA General Assembly. Two museums and one university will organise a series of events in hybrid form in the first half of 2022 and will deliver the resulting reports, videos, and publications by June 2022. The winner of the two special prizes will deliver video tutorials about the reuse of digital cultural heritage in Higher Education in Spring 2022.

Communication and dissemination activities

Partner	Name of event	Activity	Location	Date
EF	DARIAH-HR International Conference on Digital Humanities and Heritage ⁹⁰	Participation as invited speaker to present Europeana’s activities where they relate to Digital Humanities.	Hybrid	13-15/10/ 2021

Reporting metrics: nurture networks

No.	Description	Measured by	Frequency	Target	Oct 2020	Oct 2021	Nov 2020	Nov 2021

⁸⁷ <https://pro.europeana.eu/post/the-europeana-climate-action-manifesto>

⁸⁸ <https://pro.europeana.eu/post/talking-climate-change-at-the-europeana-foundation-a-green-team-and-community-acti-on>

⁸⁹ <https://pro.europeana.eu/post/meet-the-winners-of-the-europeana-research-grants-and-prizes-2021>

⁹⁰ <https://dhh.dariah.hr/en/home/>

KPI 3.3	Growth of Europeana Network Association members	Number of members in the ENA	Monthly	3,000	-	3,242	3,344	3,315
KPI 3.4	Satisfaction of the Europeana Network Association members with the ENA	Average satisfaction on a 5-point Likert scale ⁹¹	Once a year	75%	-	-	-	Expected Jun '22
KPI 3.5	Communities in the Europeana Network Association	Number of active communities	Once a year	6	-	-	-	Expected Aug '22
KPI 3.6	Task forces in the Europeana Initiative	Number of active task forces per month (ENA, EAF, Initiative)	Monthly	5	8	3	8	3
RM 3.10	Working groups in the Europeana Initiative	Number of active working groups per month (ENA, EAF, Initiative)	Bi-monthly	-	-	-	2	3
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	-	-	-	130	145
RM 3.12	Reach to Europeana Climate Action community	Number of people reached per month (tbc) ⁹²	Bi-monthly	-	NEW	-	NEW	Expected Jan '22
RM 3.13	Research events and tutorials	Total number delivered (cumulative)	Bi-monthly	-	-	-	-	Expected Mar '22

⁹¹ 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%).

⁹² Channels still need to be established and we expect to be able to report on the metric starting from November 2021.

RM 3.14	People reached with research events and tutorials	Total number of people participating (cumulative)	Bi-monthly	-	-	-	-	Expected Mar '22
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	-	-	-	5,339	6,398
RM 3.17	Traffic to Europeana Pro	Number of visits per month	Monthly	-	28,643	34,514	40,631	34,676
RM 3.18	Returning visitors to Europeana Pro	Percentage of visitors returning	Monthly	-	38.5%	6.8% ⁹³	45.7%	8.1%
RM 3.19	New visitors to Europeana Pro	Total number of new visitors per month	Monthly	-	17,622	14,258 ⁹⁴	22,052	31,869
RM 3.20	Satisfaction rate for Europeana Pro	Average satisfaction on a 5-point Likert scale ⁹⁵	Once a year	-	-	-	-	Expected Jul '22
RM 3.21	Reach to Europeana Communicators community	Number of people reached per month (Newsletter, LinkedIn, mailing list)	Bi-monthly	-	-	-	1,642	2,675

Traffic to Europeana Pro was higher in October and lower in November 2021 (compared to 2020), however in 2020 visits to our online programme were integrated into the Pro Analytics. In 2021 they were not, and these visits bring the combined total to 41,559, higher than in 2020. High

⁹³ Note: figure might be unreliable given we changed the way of reporting the figure in September/October (see B.2/B.3 Periodic report M38 for more details).

⁹⁴ Note: figure might be unreliable given we changed the way of reporting the figure in September/October (see B.2/B.3 Periodic report M38 for more details).

⁹⁵ 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%).

traffic in October and November was a result of work promoting Europeana 2021 and the effect a digital conference has in increasing awareness and engagement.

In the last periodic report we shared some issues with the implementation of Matomo and Klaro. For the whole of November we are confident Matomo is recording these metrics as it should, however we are seeing a very low returning visitor rate, which mirrors that on the Europeana website. We suspect this has something to do with differences between Matomo and Google Analytics (for example when we ran both side by side over the summer we saw Matomo was giving us around 3-9% fewer a month compared to Google Analytics), but that it is also a result of how we have implemented the cookie banner: We are able to see visitor numbers of anyone who does not reject cookies, but we believe Matomo can't tell if those who ignore the banner are a new visitor or a returning visitor so automatically adds them all in as 'new' visitors when this is unlikely to be the case.

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 ⁹⁶ 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.	-

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

R3.7	Research grants: format of the events to be adapted on the basis of the pandemic's course	High (4)	Low (2)	⊗	The COVID-19 pandemic may oblige us to change the format (from in-person to digital) for the in person events planned for the 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	Oct M38	Nov M39	Dec M40	Jan M41	Feb M42
Objective 3.3.1. Manage and develop Europeana frameworks and standards								
EF	Europeana general framework design developed (V1)	60%	Feb '22					
EF	Europeana Glossary updated to harmonise framework design and management components (internal)	10%	Feb '22					
EF	Europeana frameworks compliance with framework design evaluated	Not started	Mar '22					
EF	EPF updated following the Europeana general framework design (public)	Not started	Jul '22					
EF	Europeana Glossary ⁹⁷ updated and maintained	Ongoing	-					

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

Objective 3.3.2. Develop and maintain an interoperable licensing framework								
EF	Strategy to encourage the accurate assignment of rights information to Europeana material created (internal)	80%	Dec '21	■	■	■		
EF	Data protection guidance for the Europeana Initiative developed (internal)	Not started	Feb '22					
EF	Training resources (V1) to support the choice of accurate rights statements developed (public)	10%	Feb '22	■	■	■	■	■
EF	CB Playbook tested with Europeana Copyright community	20%	Jun '22	■	■	■	■	■
EF	Europeana Copyright community ⁹⁸ supported	Ongoing	-					
EF	Page ⁹⁹ with multilingual and multi-jurisdictional copyright tools maintained and developed	Ongoing	-					
EF	RightsStatements.org consortium supported	Ongoing	-					
Objective 3.3.3. Develop processes and enable evidence of digital transformation								
EF	Europeana Capacity Building Framework (V2) developed (internal)	10%	Apr '22	■	■	■	■	■
EF	Enumerate survey completed	5%	Jun '22	■	■	■	■	■
EF	Capacity Building for Digital Transformation Task Force: outcomes published	20%	Jun '22	■	■	■	■	■
EF	Europeana Impact Playbook Phase four published	10%	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 ¹⁰⁰ supported	Ongoing	-					
EF	Capacity building Playbook workshop	100%	Nov '21	■	■			

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

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

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

Objective 3.3.4. Engage with Member States						
EF	Slovenian Presidency event organised	90%	Dec '21	■	■	■
EF	Slovenian Presidency Europeana conference report published	Not started	Mar '22			
EF	French Presidency event organised	15%	Mar '22	■	■	■
EF	French Presidency Europeana conference report published	Not started	Aug '22			
EF	Country reports ¹⁰¹ updated	Ongoing	-			
EF	Country reports published	100%	Oct '21	■		

Capacity building Playbook workshop - Workshops based on the capacity building playbook have taken place with the Copyright community and Europeana WEAVE partners. General feedback was that the approach (impact exercises supplemented with mapping capacity building opportunities) allows to make a better connection between existing and new projects and the long term impact on the sector. Participants have indicated that they plan to adopt the approach for future work. The workshops also contributed to gaining insight in improvements for the next version of the playbook.

Country reports published - in the period, we published country reports where a user can explore Europeana activities by Member State.¹⁰²

Communication and dissemination activities

Partner	Name of event	Activity	Location	Date
EF	Intensiu Digital	Keynote ¹⁰³ about the Europeana Impact Framework at the annual conference (audience of mostly Spanish CHI professionals and academics).	Online	20/10/2021
EF	Collecting diversity data for audiences and professionals in the cultural heritage sector in Europe	Roundtable ¹⁰⁴ exploring how to further the collection of diversity data in the cultural heritage sector in Europe. This was co-organised by the Europeana Impact Community and Diversity and Inclusion Cross-Team.	Online	18/11/2021

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

¹⁰² Reports can be accessed in the document section of the page <https://pro.europeana.eu/page/member-states>

¹⁰³ <https://www.youtube.com/watch?t=860&v=tY94jpe7WgA&feature=youtu.be>

¹⁰⁴

<https://pro.europeana.eu/event/collecting-diversity-data-for-audiences-and-professionals-in-the-cultural-heritage-sector-in-europe>

EF, InDICES	InDICES Bootcamp	Co-led a Task Force (sub-group) in the inDICES Project bootcamp ¹⁰⁵ in Barcelona on data, impact, narrative and visualisation, and digital transformation.	Barcelona , Spain	23-24 /11/ 2021
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Reporting metrics: strengthen national infrastructures

No.	Description	Measured by	Frequency	Target	Oct 2020	Oct 2021	Nov 2020	Nov 2021
KPI 3.7	Take up of rs.org	Percentage of active aggregators that integrated rs.org in their infrastructure	Once a year	35%	-	-	-	Expected Aug '22
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 Feb '22
RM 3.24	Reach to Europeana Copyright community	Number of people reached per month (Mailing list, Twitter)	Bi-Monthly	-	-	-	2,874	3,864
RM 3.25	Reach to Europeana Impact community	Number of people reached per month (Newsletter, LinkedIn)	Bi-Monthly	-	-	-	1,442	2,195

¹⁰⁵ <https://indices-culture.eu/dispatches-from-the-indices-bootcamp/>

RM 3.26	Satisfaction with the Europeana EU presidency events	Average satisfaction on a 5-point Likert scale ¹⁰⁶	Upon occasion	-	-	-	-	Expected Jan '22
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Risk assessment: strengthen national infrastructures

ID	Risk	Probability	Impact	Rate	Mitigation strategy	Change
R3.8	Rightsstatement.org: Challenge to build a sustainable consortium 2021 - especially more challenging post-covid	Low (2)	Medium (3)	6	The new membership model is operational in 2020, and a revision of services offered by the consortium will together be used to attract new members. Post-covid we are taking steps to specifically re-review the model and simplify in light of the perceived impact.	-
R3.9	Ongoing Impact research cannot be completed or updated in a timely manner due to external factors during the process (e.g. insufficient data collection)	Medium (3)	Medium (3)	9	Involve internal stakeholders and members of the network to provide motivation and opportunity to support this work to ensure a timely completion. Set out work to date and a framework and plan (including surveys, etc) in which impact assessment might be completed at a later date, for those impact assessments where it is felt that communication with the sector is affected.	-
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	-

¹⁰⁶ 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%).

					question bank to make the process of using the toolkit even more accessible.	
R3.11	In an online environment co-creation sessions and workshops as part of the presidency conferences are challenging. There is a risk that the shared understanding is not achieved and the recommendations are not sufficiently implemented.	Medium (3)	Medium (3)	9	Explore and use methods and tools that allow for ideation and collaborative co-creation resulting in shared understanding 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 will coordinate Europeana DSI-4 as described in the tender and B.1 Implementation plan M36.

Overview of outcomes

Partner	Outcomes	Progress	Oct M38	Nov M39	Dec M40	Jan M41	Feb M42
EF	Programme management	Ongoing					
EF	B.2/B.3 Periodic reports M38	100%					

In October, we delivered B.2/B.3 Periodic reports M38 to EC.

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 Nov 2021
WP 1: Strengthen the infrastructure	49.50%	46.90%
Task 1.1. Easy data publishing	11.60%	11.42%
Task 1.2. Europeana website experience	14.90%	15.12%
Task 1.3. Reliable platforms	8.40%	5.51%
Task 1.4. Discoverability of digital cultural content	14.60%	14.85%
Work package 2: Improve data quality	17.50%	19.46%
Task 2.1. Quality assured data	12.50%	13.92%
Task 2.2. Enriched data	5.00%	5.54%
Work package 3: Build capacity	26.50%	27.01%
Task 3.1. Build capacity of aggregators and professionals	10.80%	11.65%
Task 3.2. Nurture networks	9.60%	9.76%
Task 3.3. Strengthen national infrastructures	6.10%	5.60%
Work package 4: Programme management	6.50%	6.63%
Task 4.1. Programme management of Europeana DSI-4	6.00%	6.03%
Task 4.2. Relations with Europeana DSI Generic Services projects	0.20%	0.36%
Task 4.3. Governance (DCHE)	0.10%	0.19%
Task 4.4. Phasing-in and phasing-out periods	0.20%	0.05%
TOTAL	100%	100%

Major changes in staff, if applicable

Consortium partner EFHA (European Fashion Heritage Association, Italy) saw a major change in management. Marco Rendina replaces Marco Rufino in the role of president of the EFHA.

Risk assessment: Programme management of Europeana DSI-4

ID	Risk	Probability	Impact	Rate	Mitigation strategy	Change
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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 affect other outcomes committed to	Medium (3)	Medium (3)	9	Management of expectations towards individual outcomes, communication and awareness building of challenges, agreeing on priorities	-

Task 4.2. Relations with Europeana Generic Services projects¹⁰⁷

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.

During this reporting period, EF launched two additional key documents in order to support the integration of the projects results related to the infrastructure and enrichments, the Playbook for software development and integration (Beta Version)¹⁰⁸ and the Enrichment evaluation template (Beta version)¹⁰⁹.

Europeana XX - Century of Change, officially ended on 30 November 2021. The project still has pending outcomes which are reflected in the table below.

Lastly, on 11 and 12 October, EF organised the Generic Services projects 2021 event. The virtual edition brought together over 60 representatives from projects, EF, and the European Commission. The event showcased the goals and achievements of the current Generic Services projects and also provided a forum to discuss common challenges, find synergies and strengthen connections. During the first day, the running projects presented their work and on the second

¹⁰⁷ This section also highlights other projects the DSI platform is involved with.

¹⁰⁸ Available on request.

¹⁰⁹ Available on request.

day EF shared updates related to the specific performance area of Europeana. Additionally, in depth discussions of specific topics of interest such as AI, Multilinguality, Education and Data quality were discussed during the breakout sessions.

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

Objective 4.2.2. Supporting Europeana Generic Services (CEF-TC-2019-1) call						
Partner	Outcomes	DSI-4 contribution	Due Date	Progress	Status	Comments
Europeana XX: Century of Change¹¹⁰						
GS/DSI	100,000 new high quality objects and 15,000 upgraded records	Task 2.1 Quality assured data	Nov 21	80%	Delayed	Not all promised records have been delivered by the partners and some of the data targets regarding project's GA have been changed.
GS/DSI	2.5 million enrichments (semantic and translation enrichments) via EDM ingestion.	Task 2.2 Enriched data	Nov 21	tbc ¹¹¹	Delayed	Partners' data was delivered later than the agreed plan.
GS	Extension of the recommendation engine to support entity powered collections	Task 1.2. Europeana website experience	Nov 21	95%	Delayed	On 8 December, a new version of the recommendation engine was deployed to production. The new functionality is being now tested in a side portal and is planned for release until the end of December. This task was delayed on Europeana side due to delays on the technical partner's side.
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	90%	Delayed	Partners have delivered with delay the first version (Oct 21) and is now being tested by EF.

¹¹⁰ Project officially requested an extension of three months until 31 November 2021.

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

¹¹¹ The progress related to data enrichments will be shown once all associated records have been ingested.

GS/DSI	Publication of subtitles on Europeana.eu	Task 2.2 Enriched data	Nov 21	20%	Delayed	Partners have submitted the subtitles for the last campaign. EF is waiting for partners' approval of the validation of these subtitles for all datasets. Only then EF can start publishing them.
GS	35 editorials in Europeana.eu	Task 1.4 Discoverability of digital cultural content	Nov 21	100% ¹¹²	Done	By September 2021 more than the promised amount of editorials were delivered. By the end of November 2021, 49 editorials were published. The project delivered 14 editorials more than the ones promised.
GS	16 editorials in Europeana Pro	Task 3.2. Nurture networks	Nov 21	50% ¹¹³	Delayed	The revision of the 8 editorials on project results is taking longer than expected due to irregular response on the partners side. They will be rescheduled during the first Q1 of 2022.
Europeana Sport¹¹⁴¹¹⁵						
GS/DSI	23.900 new digital objects and 5.050 improved digital objects	Task 2.1 Quality assured data	Sep 21	62%	Delayed	Project partners requested an official extension for 3 months to ingest all content to Europeana.
GS/DSI	250 user-generated content (stories and associated objects)	Task 2.1 Quality assured data	Sep 21 ¹¹⁶	100%	Done	At the end of November 2021, there were c. 254 stories were made available on Europeana. We expect to have more user-generated stories

¹¹² 49 editorials published (22 galleries, 25 blogs, 2 exhibitions)

¹¹³ 8 editorials published (4 event pages, 3 news pieces, 1 project page)

¹¹⁴ <https://pro.europeana.eu/project/europeana-sport>

¹¹⁵ The project requested an official extension for 3 months at the end of October 2021. (tbc if granted)

¹¹⁶ 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.

						until the end of the project.
GS	40 editorials in Europeana.eu	Task 1.4 Discoverability of digital cultural content	Dec 21	100% ¹¹⁷	Done	By the end of December 2021, the Europeana Sport project had delivered 47 editorials. More editorial will be delivered in the remainder of 2021 and 2022, and will exceed the targets on this activity.
GS/DSI	8 related editorials in Europeana Pro	Task 3.2. Nurture networks and Task 4.2. Relations with Europeana Generic Services projects	Jan 22	87% ¹¹⁸	On track	
GS	10 collections days events held	Task 3.1. Build capacity of aggregators and professionals	Sep 21	100%	Done	13 collection day events were held, 3 more than the ones promised. Both as online campaigns (3) and in-person events (9) or hybrid events (1)
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' ¹¹⁹ and 'Copyright in the user contribution of sports content' ¹²⁰
ARMA - The Art of Reading in The Middle Ages¹²¹						
GS/DSI	21,300 new records (50 of these will be 3D)	Task 2.1 Quality assured data	Mar 22	0%	On track	
GS	20 editorials in Europeana.eu.	Task 1.4 Discoverability	Feb 22	40% ¹²²	On track	Partners delivered 21 drafts until this date. 8

¹¹⁷ 47 editorials have been published (30 blogs, 7 galleries, 10 browse discovery points)

¹¹⁸ 7 editorials pieces have been published (2 event pages, 4 news pieces, 1 project page)

¹¹⁹ <https://www.youtube.com/watch?v=h2wEbKuTGtl>

¹²⁰ <https://www.youtube.com/watch?v=E0j1xp-KKlw>

¹²¹ <https://pro.europeana.eu/project/pagode-europeana-china>

¹²² 8 editorials have been published (1 gallery, 7 blogs)

		y of digital cultural content				editorials have been published. The remaining editorials are being proofread and scheduled.
GS	1 online exhibition available in five languages ¹²³	Task 1.4 Discoverability of digital cultural content	Oct 21	75%	On track	Partners are evaluating machine translation (from eTranslation tool) at the moment. Corrected translations will be published by the end of December 2021.
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 ¹²⁴ or cards groups ¹²⁵)	Task 1.4 Discoverability of digital cultural content	Feb 22	5%	On track	Curatorial activities are being produced.
GS	Recommendation on the implementation of IIIF	Task 2.1 Quality assured data	Feb 22	0%	Not started	

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

Jewish History Tour¹²⁶

GS/DSI	35,000 new records without enrichments	Task 2.1 Quality assured data	Jan 22	0%	On track	
GS	Validation methodology for enrichments is ready	Task 1.2. Europeana website experience	Jun 22	5%	On track	
GS/DSI	Enhancement of Europeana API with geospatial querying	Task 2.2 Enriched data	Jul 22	0%	Not started	

¹²³ English, Dutch, German, Czech, Slovenian and French

¹²⁴ A type of automatically created Collection page that presents items for an entity-defined theme or subject, for example, [music](#).

¹²⁵ Cards groups are manually curated subtopics within a feature page.

¹²⁶ <https://pro.europeana.eu/project/jewish-history-tours>

GS/DSI	Editorials in Pro	Task 3.2. Nurture networks and Task 4.2. Relations with Europeana Generic Services projects	Aug 22	20% ¹²⁷	On track	More editorials in Pro are foreseen until the end of the project Sep 22
GS	1 webinar with a series of 3 sessions	Task 3.1. Build capacity of aggregators and professionals	Sep 21	100%	Done	
WEAVE - Widen European Access to Cultural Communities Via Europeana						
GS/DSI	5,265 new records (165 3D objects, 100 videos and 5000 photographs)	Task 2.1 Quality assured data	Aug 22	0%	On track	WEAVE partners have delivered records to Europeana but they are not yet published
GS/DSI	Integration of the WEAVE toolkit into Europeana CSP	Task 1.4 Discoverability of digital cultural content	Aug 22	0%	Not started	
GS	6 editorials in Europeana Pro ¹²⁸	Task 3.2. Nurture networks and Task 4.2. Relations with Europeana Generic Services projects	Aug 22	17%	On track	More editorials in Pro are foreseen until the end of the project Sep 22
GS	Editorials in Europeana.eu	Task 1.4 Discoverability of digital cultural content	Aug 22	0%	Not started	Editorials are foreseen to be published periodically during DSI-4 Y4
GS	1 Europeana WEAVE LabDay and 4 Europeana WEAVE cafés	Task 3.1. Build capacity of aggregators and professionals	Mar 22	25%	On track	Europeana WEAVE LabDay was held on 18 Oct.

¹²⁷ 1 project page and 1 event page

¹²⁸ 3 editorial piece published (1 project page, 1 project news and 1 event page)

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	Mar 22	0%	Not started	
GS	3 online events for minority communities	Task 3.1. Build capacity of aggregators and professionals	Mar 22	0%	Not started	
Europeana Enrich+¹²⁹						
GS/DSI	100,000 new records	Task 2.1 Quality assured data	Nov 21	4%	Delayed	Project partners have not delivered the data.
GS/DSI	10 Editorials in Pro ¹³⁰ and or Editorials in Europeana.eu	Task 3.2. Nurture networks and Task 1.4 Discoverability of digital cultural content	Aug 22	10%	On track	Editorials are foreseen to be published during DSI 4-year and before end project Sep 22
Europeana Subtitled¹³¹						
GS/DSI	6,000 AV records	Task 2.1 Quality assured data	May 22	0%	On track	
GS/DSI	Enrichments	Task 2.2 Enriched data	Aug 22	0%	Not started	
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	Task 2.2 Enriched data	Mar 22	0%	Not started	

¹²⁹ <https://pro.europeana.eu/project/enricheuropeana>

¹³⁰ 1 project page has been published

¹³¹ <https://pro.europeana.eu/project/europeana-subtitled>

	transcriptions to meet project requirements; support for multilingual subtitles display on the Europeana Media Player					
GS	2 Editorials in Pro ¹³²	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 ¹³³	Task 1.4 Discoverability of digital cultural conte	Aug 22	8% ¹³⁴	On track	Editorials will be published periodically starting Oct 21 until end project Nov 22
CRAFTED - Enrich and promote traditional and contemporary crafts¹³⁵						
GS	Editorials in Pro	Task 3.2. Nurture networks and Task 4.2. Relations with Europeana Generic Services projects	Aug 22	15% ¹³⁶	On track	
GS	Editorial in Europeana.eu	Task 1.4 Discoverability of digital cultural content	Aug 22	5%	On Track	Initial meetings of the editorial subgroup have happened, first editorial topics and themes have been identified. Editorials are foreseen to be published starting in January 2022.
Other GS projects with outcomes to be integrated in DSI						
Europeana Translate¹³⁷						

¹³² 1 editorial published (1 project page)

¹³³ 24 editorials in Europeana.eu (4 blogs, 9 galleries, 1 exhibition)

¹³⁴ 2 editorials in Europeana.eu (2 blogs)

¹³⁵ <https://pro.europeana.eu/project/crafted>

¹³⁶ 2 editorials have been published (1 project page, 1 event page)

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

GS	Editorials in Pro	Task 3.2. Nurture networks and Task 4.2. Relations with Europeana Generic Services projects	Aug 22	10% ¹³⁸	On track	
J-Ark European Jewish Community Archive ¹³⁹						
GS	Europeana Pro piece	Task 3.2. Nurture networks and Task 4.2. Relations with Europeana Generic Services projects	Aug 21	10% ¹⁴⁰	On track	

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 fulfill 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.	-

Task 4.3. Governance (DCHE)

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)¹⁴¹ 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.

¹³⁸ 1 editorial published (1 project page)

¹³⁹ <https://pro.europeana.eu/project/j-ark-european-jewish-community-archive>

¹⁴⁰ 1 editorial published (1 project page)

¹⁴¹ <https://ec.europa.eu/transparency/expert-groups-register/screen/expert-groups/consult?lang=en&groupID=3800>

A meeting was held on 16/17 November which was attended by EF.¹⁴²

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 M38/M39.

¹⁴² <https://digital-strategy.ec.europa.eu/en/news/expert-group-common-european-data-space-cultural-heritage>

Annex: Updates towards milestones

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

MS No.	WP	Description	Verification	Due date	Status
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)	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).¹⁴³

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	M42 (Feb 2022) - M48 (Aug 2022)	M38 (Oct 2021) - M40 (Dec 2021)
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	M45 (May 2022)	M40 (Dec 2021)
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 ¹⁴⁴	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			

¹⁴³ Note: the schedule of deliverables was updated in January 2020 and August 2020. Changes to the schedule have been confirmed by EC.

¹⁴⁴ EF proposed to postpone the deliverable. The change is communicated to EC.

Annex: Glossary of terms

Formal definitions of terms used frequently are detailed in the glossary of terms¹⁴⁵ 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: https://www.europeana.eu/portal/en/explore/people/61016-alphonse-mucha.html
Entity API	The Entities API allows to search on or retrieve information from named entities.
MARC21	Format for Bibliographic Data
Metis	Data and aggregation infrastructure through which allows to import, transform, validate and enrich metadata. https://metis.europeana.eu/home
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

¹⁴⁵ <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. https://en.wikipedia.org/wiki/Schema.org
Solr index	It is the search engine powering the Europeana Collections portal. Apache Solr is an open-source platform used at Europeana for full-text (e.g. metadata) index and search.
UIM infrastructure	The United Ingestion Manager is the suite of tools used to run the data aggregation activities prior to Metis.