



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

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

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Highlights

In November, we released the first public iteration² of the updated Europeana Collections portal. Features include a refreshed design, faster search, and entities at the core of the browsing experience.

In the reporting period, we organised two national workshops (Stockholm and Frankfurt) and one Europeana Aggregators Forum meeting in Stockholm.

In September, EF launched a new format of the Europeana Research Grants Programme with the aim to support events that bring together cultural heritage professionals and researchers. The grant winners were announced on 27 November at the Europeana Annual Event 2019 and through a post on Europeana Pro.³

In October, the exhibition *Blue Skies, Red Panic*⁴ was published. The exhibition takes the user on a photographic journey through Europe in the fascinating 50's. The exhibition was contributed by the generic services project '50s in Europe Kaleidoscope'⁵. Since publication the exhibition received over 1,700 visits (up until 30 November) and an NPS of 46.

In November, we organised the Europeana 2019 Conference 'Connect Communities' at the National Library of Portugal in Lisbon. The 3 day event brought together not only representatives of the Europeana Network but also others who are interested to get inspired, transfer knowledge, learn and straighten their network. 287 participants attended the conference and 38 countries were represented. The survey, that was shared after the event, shows that the conference was a huge success with an 'excellent' score and would be highly recommended to colleagues.

EF - together with representatives from the Romanian Presidency meeting in Iași, on April 17-18 - developed a set of recommendations⁶ that builds on the ambition of creating strong infrastructures and best practices to drive digital transformation in the cultural heritage sector, and defining an approach to support such transformation. The paper underpins the importance of national strategies and infrastructures to the sector, and articulates the recommended actions to support these principles at ministerial level, as well as actions for cultural heritage institutions and the Europeana Initiative.

² <https://demo.europeana.eu/en>

³ <https://pro.europeana.eu/post/announcing-the-winners-of-the-europeana-research-grants-programme-2019>

⁴ <https://www.europeana.eu/portal/en/exhibitions/blue-skies-red-panic#>

⁵ <https://www.photoconsortium.net/50s-in-europe-kaleidoscope/>

⁶ <https://pro.europeana.eu/post/final-recommendations-under-romanian-presidency>


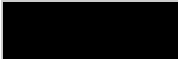
Introduction

The periodic report describes work carried out under Europeana DSI-4 from 1 October 2019 (M14) until 30 November 2019 (M15) based on the implementation plan (B.1 deliverable M12). The work is organised in nine work packages (WP).

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

For each task related Key Performance Indicators (KPIs) and other reporting requirements/metrics as well as associated risks are stated to give a holistic view on the area of work.

Explanatory notes for tables reporting - colour codes

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

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

Abbreviations

Consortium participants

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

Other

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

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

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

Task 1.1. Easy and rewarding data publishing

Partners: EF, PSNC, and INESC-ID

Europeana DSI-4 offers a fully functional data and aggregation infrastructure through Metis, which allows EF to import, transform, validate and enrich metadata for aggregators.

Overview of outcomes

Partner	Outcomes	Progress	Oct M14	Nov M15	Dec M16	Jan M17	Feb M18	Mar M19	Apr M20	May M21
EF/ PSNC	METIS maintenance (bugs fixing, infrastructure upgrades, refinement of existing features) - 30% of effort in M14/M15	Ongoing								
Data publishing with Metis is extended [Metis V1.x]										
<i>Fully replace previous publishing system by re-establishing URL redirection and depublication features. We will work on defining requirements and designing solutions for incremental processing.</i>										
EF/ PSNC	Design a technical solution for incremental data processing in Metis	100%								
EF/ PSNC	Release Metis V1.6 and eCloud V1.7	100%								
<i>Prototype methods for new Metis ingestion components</i>										
EF, INESC	Experiments with new ingestion technology with qualifying datasets	Ongoing								
EF, INESC	Metadata and content aggregation via linked data and IIIF: ingested datasets, data quality evaluation and other experiments	100%								
EF, INESC	User guide for Data aggregation Lab	100%								

Data publishing speed and reliability is enhanced [Metis V2.x]			
<i>Scale up Metis operations by supporting search of datasets, improving the error reporting mechanisms, and testing the scheduling of aggregation workflows.</i>			
EF/ PSNC	Metis users can search for datasets in Metis [pending release in production]	90%	
EF/ PSNC	Design and implementation of a failover solution to improve the resilience of eCloud	30%	
Aggregators and providers increase the speed of data publishing			
<i>Work towards increased publishing speed by recommending a Metis strategy, and by delivering a Metis sandbox pilot to be further tested as part of the Europeana Common Culture generic services project.</i>			
EF	Metis strategic recommendations (MS68)	30%	
EF	Definition of a work plan	100%	
EF	Writing of a position paper to be shared with aggregators and CHIs	40%	
EF	Organise and run a series of one to one interviews with selected member of the Network for each goal structuring the strategy	50%	
<i>Delivering a digital process for agreeing DEAs with partners</i>			
No work was done in M14/M15.			

Data publishing with Metis is extended [Metis V1.x]

Design a technical solution for incremental data processing in Metis - A technical solution was designed to implement incremental data processing in Metis. This solution will allow the processing of only updated or added records within a dataset rather than the whole dataset as it is currently the case. Implementation of this solution is planned for next year once activities currently in progress are completed.

Release Metis V1.6 and eCloud V1.7 - A new version of Metis and eCloud was released in November. It includes changes aimed at improving the perception of performance of the Metis system by its users: the amount of parallel executions was increased and the reporting of the progress of tasks was reviewed. Several issues preventing specific datasets to be processed were also addressed. The quality of code and several small interactions were improved in the Metis UI.

Metadata and content aggregation via linked data and IIIF: ingested datasets, data quality evaluation and other experiments -

In November we finalised a report⁷ that presents the most relevant experiments for harvesting metadata using novel technologies from the Linked Data and IIF areas. This stream of work was formalized as an R&D priority in Europeana DSI. The report presents the datasets that have been harvested into Europeana DSI (for the Rise of Literacy project and the IIF community) and the specific technology employed. It presents content and metadata quality statistics using the recently adopted tiers of the Europeana Publishing Framework. The report will help Europeana DSI prioritise technologies in order to add new options for harvesting metadata in Metis.

User guide for Data aggregation Lab

We also finalised a guide to use the Data Aggregation Lab⁸ features to harvest datasets using IIF-related technologies. This guide can be used by data officers who would like to harvest datasets using the options provided by the Labs, validate the datasets against the data requirements of Europeana DSI, and export in EDM the harvested data for "real" ingestion in Europeana DSI via Metis.

Aggregators and providers increase the speed of data publishing

Definition of a work plan for the Metis strategy - in order to ensure regular progress on the Metis strategy, EF prepared a work plan to cover the activities between December 2019 and the end of January 2020. These activities consist in the organisation of several one-to-one interviews to illustrate each of the goals structuring the strategy document. A first draft of the strategy in the form of a position paper will be distributed to stakeholders. Feedback will be collected via the document but also a series of webinars.

Risk assessment: easy and rewarding data publishing

Risk	Likelihood of occurrence	Impact	Mitigation strategy
If feedback on the Metis strategy and future Metis developments from stakeholders is limited	Low	Medium	Increase the means to send feedback: webinars, one to one interviews

Task 1.2. Collections experience

Partners: EF

Our KPIs are to reach 550,000 visits per month with a 30% user return rate on Europeana Collections. To achieve this we are focusing on making the site more interesting to browse,

⁷ Report available on request.

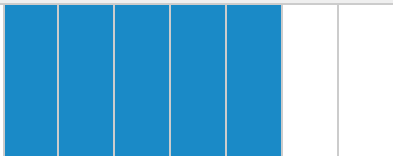
⁸ Software for experimenting with new aggregation technology.

more accessible through language, faster and more accurate to search, and more discoverable by Google.

Overview of outcomes

Partner	Outcomes	Progress	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May
			M14	M15	M16	M17	M18	M19	M20	M21
EF	Europeana Collections existing portal maintenance (bugs fixing, security & software updates) - 5% of efforts in M14/M15	Ongoing	█	█	█	█	█	█	█	█
EF	Chatbot for Europeana Collections (Culture Chatbot GS project)	50%	█	█	█	█	█			
Transform browse experience across collections										
<i>Establishing entities to extend horizontal and hierarchical browsability</i>										
EF	Browse functionality released (MS80)	70%	█	█	█	█	█			
EF	Updated Europeana Collections: demo released	100%	█	█						
EF	Updated portal: item page updated (media viewers, multilingual metadata, full-text, related entities)	80%	█	█	█	█				
EF	Updated portal: editorial content is migrated and available	55%	█	█	█	█	█	█		
EF	Updated portal: available in all 24 EU languages	100%	█	█						
EF	Update of entity collection (additional vocabularies: object type, fashion, migration)	50%	█	█	█	█				
EF	Europeana Collections is able to search and play streaming media	50%	█	█	█	█	█	█		
<i>Speeding up page load time to attract return visitors</i>										
Work done.										
<i>Achieve video playlist consistency through integration of the Europeana Media player</i>										
EF	Media player integrated in Europeana Collections (Europeana Media GS project)	95%	█	█	█	█	█			
Transform multilingual collections experience										
<i>Work towards translated collection experiences by developing our multilingual strategy for searching, browsing, and viewing</i>										

EF	Options for multilingual search and browse (MS33)	70%								
EF	Multilingual strategy: Finnish presidency event	100%								
EF, INESC	Multilingual strategy: case studies (UI experience on Europeana Collections, multilingual search in transcriptions, metadata translations)	100%								
EF	Design a multilingual user experience for Europeana Collections	100%								
EF	Call to CHIs to contribute training data sets used to train eTranslation	40%								
<i>Update UI localisation process</i>										
EF	New system implemented for faster updating of translations	100%								
<i>Support of new vocabularies in Metis dereferencing service</i>										
EF	Implementation of YSO - General Finnish Ontology in Metis	100%								
Search improvements make Europeana Collections more useful										
<i>Ensure search experiences continue to improve by evaluating the performance of search activity</i>										
EF	Update portal: re-implement all filters including fashion, newspaper and collection-specific ones	70%								
<i>Updating search and indexing process to improve search results</i>										
EF	Indexing of transcriptions and subtitles (Enrich Europeana and Europeana Media GS projects)	50%								
<i>Using Ajax to speed up search interactions</i>										
EF	Search now runs as AJAX in a single page application	100%								
Europeana Collections are more discoverable by Google										
<i>Re-evaluate organic search strategies, and publication of schema.org for item pages</i>										
No work was done in M14/M15.										
Extend user engagement features										

<i>Enable contributions for upcoming season Industrial Heritage</i>			
Work done.			
<i>Integrate with the Transcribathon platform so that user generated transcriptions are searched on</i>			
EF	User generated transcriptions are searched and seen on Europeana Collections (Transcribathon platform) (EnrichEuropeana)	20%	

Transform browse experience across collections

Updated Europeana Collections: demo released⁹ - in November we released the first public iteration of the updated portal. Features include a refreshed design, faster search, and entities at the core of the browsing experience.

Updated portal: available in all 24 EU languages - in November we also translated the user interface of the updated portal into 24 official European languages. This includes all menus, links and labels across the site. This does not include written blocks of text and static pages such as terms and conditions or about pages (planned for Q1 2020).

Transform multilingual collections experience

Multilingual strategy: Finnish presidency event - together with the Finnish ministry of culture, EF organised a two-day event in Espoo, Finland, titled 'Multilingualism in Digital Cultural Heritage - needs, expectations and ways forward', under the umbrella of the Finnish Presidency of the Council of the EU. Policymakers, cultural heritage institutions, members of the 'Digital Cultural Heritage and Europeana' expert group, experts in multilingualism came together to discuss how the cultural heritage sector can make use of advances in digital technology to make heritage material more accessible across the EU. In a mixture of speeches, case study presentations, workshop sessions and a panel discussion, participants shared their experiences of opportunities and challenges related to multilingualism. They identified benefits of multilingualism and discussed what solutions or changes are needed to address the challenges. For more details see our post on Europeana Pro¹⁰ and the presentations on Slideshare¹¹.

Multilingual strategy: case studies (UI experience on Europeana Collections, multilingual search in transcriptions, metadata translations) - EF presented three "case studies" at the Finnish Presidency event. The first one was about design issues and options for better including multilingual options in the Europeana Collections portal. The second presented how Europeana currently tackles multilingualism at the level of the metadata it harvests focusing on how we encourage providers to contribute more multilingual data and how we

⁹ <https://demo.europeana.eu/en>

¹⁰ <https://pro.europeana.eu/post/next-steps-for-multilingualism-in-digital-cultural-heritage>

¹¹ <https://www.slideshare.net/Europeana/tag/finnish-presidency>

try to enrich the metadata by linking it to multilingual datasets. The final case study reported on an experiment to apply eTranslation, the automatic translation service provided by the European Commission. We implemented and evaluated a multilingual search engine on top of the WWI transcriptions from the Transcribathons.eu website, whereby both user queries and transcriptions in different languages were automatically translated to English, thus enabling to bring more results to users (though these results are sometimes of dubious quality).

Design a multilingual user experience for Europeana Collections - the objective of this task was to design an intuitive multilingual experience so every user in Europe feels an affinity with the website. We started with validating the usefulness of the current multilingual solutions and adjusted these based on our findings. The new multilingual experience will be implemented on our new Europeana Collections website.

New system implemented for faster updating of translations - we are now using a system called lokalise which is offered to us for free. Lokalise makes the internal updating and professional translations of our UI strings faster. We've also brought the process of translations into the development team as we are faster able to identify when translations need to be updated. This should result in a portal with less translation gaps.

Addition of YSO- General Finnish Ontology in the Metis dereferencing service - YSO contains concepts described in English, Swedish and Finnish with additional links to other Finnish thesauri and vocabularies and to the Library of Congress Subject Headings. YSO links present in the data sent to Europeana DSI will be dereferenced and the fetched data (Preferred Labels with their translations, external links) will be indexed in Europeana DSI. This effort was done in preparation of the Finnish Presidency event focusing on multilinguality.

Search improvements make Europeana Collections more useful

Search now runs as AJAX in a single page application - parts of the Europeana website are now stored on the machine of the user, and only refreshed when there is data to be updated. For example, when the pagination and facets are used, only the search result items are updated, rather than the entire page. This means less data is transmitted to and from our servers and the pages load faster. Previously, the entire page had to be reloaded and transmitted to and from the server for every change to the search query, making it slower.

Overview of KPIs

No.	Description	Target M12	Aug M12	Target M24	Sep M13	Oct M14	Nov M15
1.1	Traffic on Europeana Collections per month	500,000	354,636	550,000	389,830	480,735	461,910

1.2	Returning visitors on Europeana Collections (%)	30%	12.7%	30%	12%	12,4%	12,5%
1.3	Total number of downloads on Europeana Collections	180,000	358,860	240,000	41,843	46,075	48,591
1.4	Total number of click-throughs	800,000	241,200	800,000	15,651	17,351	19,836

Risk assessment: collections experience¹²

Risk	Likelihood of occurrence	Impact	Mitigation strategy
Traffic on Europeana Collections (KPI 1.1) is below target	High	Medium	Expanding editorials with seasons, exhibitions, promotions and activities engaging users; Continuing our experiments on making records more discoverable to Google; Better promotion of APIs to engage with developer and institutional reuse; Transforming the browsing and viewing experiences; Transforming the searching experiences; Transform multilingual collections experience, and; Extending user engagement features
Returning visitors on Europeana Collections (KPI 1.2) is below target: product/content not good enough to encourage people to return	High	Medium	As per mitigation above for KPI 1.1
Total number of click-throughs (KPI 1.4) is behind target	High	Low	Place the partner institutions prominent on the new record page, visible for users to click

¹² Note: Limited work was done on the current portal recently. With the launch of the updated portal coming soon, we expect the traffic and user return rate to go up in 2020.

Task 1.3. Infrastructure

Partners: EF and PSNC

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

Overview of outcomes

Partner	Outcomes	Progress	Oct M14	Nov M15	Dec M16	Jan M17	Feb M18	Mar M19	Apr M20	May M21
Infrastructure is sustainable and high performing										
<i>Specific infrastructure work to safeguard data publishing and the Collections experience includes auditing, consolidating, cleaning, and removing underused infrastructure</i>										
EF	Infrastructure maintenance (bugs, attacks, clean-ups, upgrades, back-ups) - 50% of effort in M14/M15	Ongoing	█	█	█	█	█	█	█	█
EF	Review Jenkins infrastructure	100%	█							
EF	Replacement of Solr cluster	100%	█	█						
EF	Replace SMTP server	100%	█	█						
<i>Launch of failover environment</i>										
No work was done in M14/M15.										
<i>DNS (Domain Name System) consolidation</i>										
No work was done in M14/M15.										
<i>Re-establishing application monitoring services</i>										
EF	Re-establishing application monitoring services	20%	█	█	█	█	█			
APIs are sustainable and high performing										
EF	The Search and Record APIs are significantly improved (v3)	5%	█	█	█	█	█	█	█	█
EF	Thumbnail API released as separate service	100%	█	█						
EF	Researchers can download dumps for all data sets	50%	█	█	█	█				
<i>Establishing authentication and authorisation services (SSO)</i>										
EF	API and end-users are centrally managed and Single Sign On (SSO) is ready to be used	90%	█	█	█	█				

Infrastructure is sustainable and high performing

Review Jenkins infrastructure - EF implemented a more secure and sustainable CI/CD¹³ Jenkins infrastructure.

Replacement of Solr cluster - some systems were replaced with new and higher performing systems.

Replace SMTP server - the SMTP server was replaced to save costs and improve performance.

APIs are sustainable and high performing

Thumbnail API released as separate service - the Thumbnail API was redeveloped as a separate service decoupled from the Record & Search APIs. Besides the fact that noticeable improvements have been made to the performance of the thumbnail delivery and the quality of the code behind, it will allow both APIs to be better scaled and perform in optimal way.

*Overview of reporting requirements: Quality of service (QoS)*¹⁴

	Jun 19	Jul 19	Aug 19	Sep 19	Oct 19	Nov 19
Europeana Collections						
Load (rpm ¹⁵)	664	689	759	779	921	956
Response times (seconds)	1.07	1.08	1.05	1.05	1.08	1.05
Uptime	99.79%	99.90%	99.68%	99.88%	99.79%	99.98%
Europeana APIs						
Load time (rpm)	1,199	1,240	1,120	1,423	1,433	1,651
Response times (seconds)	0.16	0.24	0.19	0.20	0.23	0.15
Uptime	99.96%	99.74%	99.92%	99.97%	99.78%	100%
Europeana Pro						
Response times (seconds)	0.82	0.76	0.63	0.41	0.40	0.44
Uptime	100%	100%	100%	100%	100%	100%

¹³ CI/CD: continuous integration and continuous delivery. <https://en.wikipedia.org/wiki/CI/CD>

¹⁴ With a high-availability architecture design, the services aims to be available 24x7 with uptime 99.5% (excluding scheduled outages). This includes Europeana Collections and APIs.

¹⁵ Rpm: response per minute.

Overview of reporting requirements: Europeana APIs

Month	Total number of APIs requests
June	51,790,787
July	55,343,607
August	50,018,729
September	61,480,229
October	63,981,691
November	71,328,411

Overview of reporting requirements: Europeana REST API¹⁶

	Jun 19	Jul 19	Aug 19	Sep 19	Oct 19	Nov 19
Number of users that exceeded the average of 5 calls a day	68	57	55	51	57	63
Number of users that were active for more than 5 days in each month	62	61	55	53	59	58
Total number of users	181	141	137	155	156	160
Number of sign-ups	48	52	34	56	61	59

Risk assessment: infrastructure

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

¹⁶ <https://pro.europeana.eu/page/europeana-rest-api>

Work package 2: Quality assured content supply

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

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

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

Aggregators and providers were motivated to raise the quality of collections. EF and aggregator partners built appreciation and insight by communicating the value of being part of the Europeana Initiative. EF and aggregating partners supported and assisted content providers and aggregators to ingest content to the Europeana DSI platform via outreach events and workshops (directly and via aggregators), and by one-to-one support.

As part of its efforts EF also redesigns Europeana Pro to drive better outcomes with partners, and releases a statistics dashboard to aggregators and providers.

Overview of outcomes

Partner	Outcomes	Progress	Oct M14	Nov M15	Dec M16	Jan M17	Feb M18	Mar M19	Apr M20	May M21
<i>Build appreciation and insight by communicating the value of being part of the Europeana Initiative</i>										
EF	Helpdesk activities for aggregators	Ongoing								
DSIA	Helpdesk activities for CHIs	Ongoing								
EF	New accredited aggregators: Latvia, Ireland, Czech Republic, Finland	100%								
EF	Develop a 2020 programme of activities for the EAF	25%								
EF/ DSIA	Europeana Aggregators Forum: Stockholm (MS38)	100%								
EF	National workshop: Stockholm	100%								
EF	National workshop: Frankfurt	100%								
<i>Redesign Europeana Pro to drive better outcomes with partners</i>										
EF	Launch of new Europeana Pro (MS79)	70%								

EF	Customer journey workshop (EAF, ENA, CHIs)	100%	
EF	Full editorial review and update	50%	
EF	Chatbot for Europeana Pro (Culture Chatbot GS project)	50%	
<i>Evaluate the implementation of the Europeana Publishing Framework (EPF), research future updates to EPF</i>			
EF	Research future needs for EPF and statistics dashboard	Ongoing	
EF	Support aggregators in the implementation of the EPF2.0 (MS7)	20%	
<i>Releasing statistics dashboard integrated with Metis</i>			
No work was done M14/M15.			

Build appreciation and insight by communicating the value of being part of the Europeana Initiative

New accredited aggregators: Latvia, Ireland, Czech Republic, Finland - aggregators from Latvia, Ireland, Czech Republic and Finland applied for accreditation in the last reporting period. After the applications were evaluated by the Europeana Aggregators’ Forum (EAF) Steering Group, they were approved by the entire EAF at the General Assembly in Stockholm. All new aggregators also have a profile on Europeana Pro¹⁷.

Europeana Aggregators Forum: Stockholm (MS38) - the autumn 2019 meeting of the EAF took place from 14-15 October in Stockholm, hosted and co-organised by the Swedish national aggregator (SOCH). We had about 50 participants and most accredited aggregators were represented. Key agenda items were a workshop on cross domain collaboration and a train the trainer session on IIIF. The IIIF session also provided input for the IIIF side meeting alongside the Europeana 2019 conference and a task force is currently under development to support aggregators working with IIIF. In the cross domain collaboration workshop, priority topics were identified for collaboration between aggregators. A format for implementing this is under discussion.

National workshop: Stockholm - the goal of the national workshop in Stockholm was to accelerate the development of the Swedish national aggregator as a cross domain aggregator for the country. Most of the 57 participants were new to the Europeana ecosystem and got an overview of Europeana and the aggregation landscape. In parallel sessions the participants worked on data quality, copyright and the practicalities of publishing data via SOCH.

¹⁷ <https://pro.europeana.eu/services/data-publication-services/aggregators>

National workshop: Frankfurt - the goal of the national workshop in Frankfurt was to bring new and existing partners of the German national aggregator (DDB) from the museum sector together to introduce the work of Europeana DSI and the DDB, to answer specific questions of CHIs and to support them in their preparations for publishing data in DDB and Europeana DSI. Feedback from the 50 participants was very positive and for the first time we used the opportunity to do an impact assessment to understand how useful the format of the workshop is and what is changing for CHIs.

Redesign Europeana Pro to drive better outcomes with partners

Customer journey workshop (EAF, ENA, CHIs) - it is important to develop products which satisfy the needs of our users. To understand what those needs are we have to collect data. For Europeana Pro we gathered those needs in the form of customer journey workshops. In the workshops we mapped out their current journey and recorded their information needs at every touchpoint. This data helped us refine the information which should be available on Europeana Pro.

Overview of KPIs¹⁸

No.	Description	Target M12	Aug M12	Target M24	Sep M13	Oct M14	Nov M15
2.1	Percentage of surveyed CHIs that rate the relation with its aggregator (partner in Europeana DSI-4) 4 or higher on a Likert scale of 1-5	60%	85%	95%			
2.2	Percentage of surveyed aggregators that rate the relation with Europeana 4 or higher on a likert scale of 1-5	60%	55%	65%			
2.3	Total number of national workshops run	2	2	2	0	1	2

Overview of reporting requirements

Description	Sep M13	Nov M15	Jan M17	Mar M19	May M21	Jul M23
Total number of individual CHIs supported by DSIA (cumulative per year ¹⁹)	38	121	-	-	-	-

¹⁸ KPI 2.1 and KPI 2.2 are measured once a year. Last measurement was in July 2019. Next measurement is expected in July 2020.

¹⁹ Europeana DSI-4 year 1 (M1, September 2018 - M12, August 2019) - year 2 (M13, September 2019 - M24, August 2020)

Total number of countries that received support by DSIA (cumulative per year)	17	26	-	-	-	-
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Overview of communication and dissemination efforts

Partner	Name of event	Activity	Location	Date
EF	EPF training workshop	Facilitator	Vilnius, Lithuania	07/10/2019
EF	MuseumDigit	One-on-one with MuseuMap	Budapest, Hungary	25-26/11/2019
APEF	History Day	Awareness of Archives Portal Europe / Europeana activities, joint stand/information box with Archives Hub	London, UK	19/11/2019
APEF	Country Managers meeting	Face-to-face meeting with the main network partners of the Archives Portal Europe including updates on Europeana collaboration with focus on content strategy between APE and Europeana and continued communication of adjusting the EDM conversion offered in the Archives Portal Europe for providing data to Europeana DSI	The Hague, The Netherlands	23-24/10/2019
BL	Copyright Training Course run by ARA East for England Region	Explanation of rights statements and creative commons statements on Europeana DSI and how collections can be re-used	Essex Record Office, Chelmsford, UK	15/11/2019
DFF	Metadata Workshop for partners of the H2020 Project 'Visual History of the Holocaust'	Promotion of EFG metadata schema and rights statements.org	Frankfurt, Germany	21/10-22/10/2019
Fashion	EFHA International conference 'Fashion and the Politics of Heritage'	UAL/London College of Fashion, program here: https://fashion-and-the-politics-of-heritage.eventbrite.co.uk	London, UK	8-9/11/2019

Fashion	EFHA General Assembly	UAL/London College of Fashion: annual meeting of the supporting members of the Association	London, UK	08/11/2019
Fashion	Train the trainers Mint workshop	Introduction to Mint tool and EPF, hands-on Mint workshop for the EUscreen ingestion staff	NISV, Hilversum	25/11/2019
MCA	NEMO	MUSEU services presentation toward networks of museums	Tartu, Estonia	7-8/11/2019
MCA	CAE - BTO conference	Communication about the 2 projects - generic services + europeana platform	Konstanz, Germany	25-27/10/2019
MCA	Forum Culture Expert Group - EC	Working meeting on EU Political issues on CH	Brussels, Belgium	15-16/10/2019
MCA	DGeac - Platform on DCH	Platform on CH & Digitisation - working meeting	Prague, Czech Republic	7-8/10/2019
NISV	Audiovisual Archives: management and accessibility	Awareness for Europeana collections, content aggregation and rights management	Athens, Greece	30/10/2019
NISV	AMIA conference	Awareness for aggregation and publication of audiovisual content	Baltimore, US	15/11/2019
Photoco ns	WeAre#EuropeF orCulture co-creation event and exhibition vernissage	In the framework of the co-creation sessions for this project, to build local exhibitions of cultural and crowdsourced heritage, we actively promoted Europeana and the use of Europeana content	Girona, Spain	10/10/2019

Task 2.2. Raise quality of aggregated data

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

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

Overview of outcomes

Partner	Outcomes	Progress	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May
			M14	M15	M16	M17	M18	M19	M20	M21
EF	Data publication (DSI, Generic services, and others)	Ongoing								
<i>Resolving the issue of low quality data (tier 0) in the collections experience, resolving broken link issues in collections experience, and agreeing actions coming from the audit of the longtail of data issues</i>										
EF	Design technical architecture for the automatic identification of broken links (MVP)	100%								
<i>Raise quality by establishing data quality plans and resolution processes with aggregators and data providers</i>										
DSIA	Data quality improvements and new content	Ongoing								
EF	Review of data quality plans and ingestion planning for Europeana Common Culture ²⁰	30%								
EF	Set-up a ticketing system to report data issues to aggregators (MS29)	50%								

Resolving broken link issues in collections experience

Design technical architecture for the automatic identification of broken links (MVP) - a technical solution was designed to automatically check the links in Europeana DSI. This solution aims at automatically check and report on broken links for a sample of 100 links per domains (or hostnames) and per datasets every week. This solution will reuse the link checking code currently available in Metis. To implement the solution however requires the development of several new technical components that would represent the work of several months. Decision to implement this solution is for now paused and the priority will be reviewed against other development activities such as links redirection (also on the roadmap).

Overview of KPIs

No.	Description	Target M12	Aug M12	Target M24	Sep M13	Oct M14	Nov M15
2.4	Data in tier 1	< 35.5%	40.10%	< 30%	40.10%	40.10%	40.12%
2.5	Data in tier 2	> 24.5%	20.80%	> 35%	20.70%	20.40%	20.41%

²⁰ <https://pro.europeana.eu/project/europeana-common-culture>

2.6	Data in tier 3	> 4%	9.10%	> 5%	9.00%	9.00%	8.99%
2.7	Data in tier 4	> 20%	30.10%	> 30%	29.80%	30.50%	30.48%
2.8	Tier 2 and above (high quality content)	> 40%	59.90%	> 70%	59.40%	59.90%	59.88%
2.9	Tier 3 and above (high quality + reusable content)	> 30%	39.10%	> 35%	38.80%	39.50%	39.47%
2.10	Number of broken links (out of total) ²¹	0		0			

Overview of reporting requirements

Description	Jul M11	Aug M12	Sep M13	Oct M14	Nov M15
Number of datasets updated (out of total)	14	21	56	22	25
Number of records updated (out of total)	495,536	223,380	1,403,073	642,259	645,628
Data in Tier 0 (metadata)	53.10%	53.20%	52.80%	53.32%	53.32%
Data in Tier A (metadata)	37.90%	37.50%	37.70%	37.31%	37.31%
Data in Tier B (metadata)	8.60%	8.80%	9.00%	8.83%	8.83%
Data in Tier C (metadata)	0.50%	0.50%	0.50%	0.54%	0.54%
Total number of new institutions under Europeana DSI-4 (cumulative per year)	-	-	8	-	24

Data quality improvements per aggregator based on the EPF²²

Month	Total ²³	Content				Metadata			
		Tier 1	Tier 2	Tier 3	Tier 4	Tier 0	Tier A	Tier B	Tier C
APEF									
Aug	302,950	87.19%	4.16%	8.43%	0.22%	98.55%	1.45%	0.00%	0.00%

²¹ This KPI is tight to the outcome 'Automatic identification of broken links (MVP)' which needs to be implemented.

²² Data quality improvements are done based on data quality improvement plans per aggregator. In case an update was delivered to Europeana DSI in the reporting period and the percentages of tiers changed compared to the previous reporting period an explanation is added to this report.

²³ The total figure are excluding all content not compliant to the EPF (tier 0).

Sep	302,950	87.19%	4.16%	8.43%	0.22%	98.55%	1.45%	0.00%	0.00%
Nov	302,950	87.19%	4.16%	8.43%	0.22%	98.55%	1.45%	0.00%	0.00%
BL (Europeana Sounds)									
Aug	449,175	84.90%	2.61%	6.98%	5.51%	50.62%	16.70%	25.40%	7.28%
Sep	449,175	84.90%	2.61%	6.98%	5.51%	50.62%	16.70%	25.40%	7.28%
Nov	449,175	84.90%	2.61%	6.98%	5.51%	50.62%	16.70%	25.40%	7.28%
CARARE / AthenaRC									
Aug	1,878,861	23.77%	16.48%	2.61%	57.14%	27.29%	21.66%	46.21%	4.84%
Sep	1,878,861	23.77%	16.48%	2.61%	57.14%	27.29%	21.66%	46.21%	4.84%
Nov	1,878,861	23.77%	15.41%	3.68%	57.14%	27.29%	21.66%	46.21%	4.84%
MCA									
Aug	2,633,200	58.51%	34.30%	5.29%	1.91%	27.96%	51.77%	20.20%	0.07%
Sep	2,633,200	58.51%	34.30%	5.29%	1.91%	27.96%	51.77%	20.20%	0.07%
Nov	2,654,375	58.30%	34.13%	5.68%	1.89%	27.73%	52.07%	20.13%	0.07%
eFashion									
Aug	810,817	10.79%	88.53%	0.03%	0.65%	0.00%	9.02%	90.98%	0.00%
Sep	810,817	10.79%	88.53%	0.03%	0.65%	0.00%	9.02%	90.98%	0.00%
Nov	810,817	10.79%	88.53%	0.03%	0.65%	0.00%	9.02%	90.98%	0.00%
DFF (EFG - The European Film Gateway)									
Aug	589,369	81.55%	18.30%	0.00%	0.15%	59.13%	28.00%	12.87%	0.00%
Sep	582,236	82.21%	17.64%	0.00%	0.15%	59.86%	27.33%	12.74%	0.08%
Nov	582,236	82.21%	17.64%	0.00%	0.15%	59.86%	27.17%	12.90%	0.08%
NISV (EUscreen)									
Aug	503,980	74.39%	23.74%	0.26%	1.60%	70.96%	29.04%	0.00%	0.00%
Sep	503,980	74.39%	23.74%	0.26%	1.60%	70.96%	29.04%	0.00%	0.00%
Nov	503,980	74.39%	23.74%	0.26%	1.60%	70.96%	29.04%	0.00%	0.00%
AIT-Graz (OpenUp!)									

Aug	7,621,396	2.17%	12.80%	7.26%	77.78%	71.45%	28.55%	0.00%	0.00%
Sep	7,618,622	2.13%	12.80%	7.26%	77.80%	71.44%	28.56%	0.00%	0.00%
Nov	8,117,543	2.04%	12.06%	6.99%	78.91%	73.20%	26.80%	0.00%	0.00%
PhotoCons									
Aug	415,388	50.64%	28.36%	19.18%	1.82%	0.00%	37.08%	62.92%	0.00%
Sep	394,421	50.27%	27.61%	20.21%	1.92%	0.00%	38.95%	61.05%	0.00%
Nov	413,530	50.88%	29.17%	16.67%	3.30%	0.00%	40.46%	59.54%	0.00%

CARARE / AthenaRC

During the period we completed an update to the collections that Vilnius University Faculty of Communications had published during the CARARE (2010-2013) and LoCloud (2013-2016) projects. Under the framework of the Europeana Archaeology generic services project VUFC agreed to release these collections under a more open CC-BY-NC licence. As part of our continual programme of metadata quality reviews, as part of the republication we enriched the metadata with AAT broad subject concepts for archaeology and labelled the language of the metadata. As a result of this republication, 90% of the content is now at tier 3, 8.5% of the content is at tier 2; 44.6% of the metadata is at tier C and 55.3% of the metadata is at tier B.

MCA

With the update of the data from the Swedish Royal Armoury, 85% (34,358) of all items improved from Tier A to at least Tier B. With the same update, also content quality was improved. From all 40,245 in tier 0, it is now only 10,062 in tier 0, but 19,015 records in tier 1, 10,390 in tier 2 and 787 in tier 4. Three out of four subsets of data from UK museums were also enriched and updated in the reporting period.

DFF (EFG - The European Film Gateway)

The updates published by DFF in the reporting period reflect what was reported previously by DFF, as publication of data by EF was delayed. One of the outcomes implemented with the updates was to ensure a proper dereferencing of Geoname links in the data provided by DFF.

AIT-Graz (OpenUp!)

Content tier statistics in summer 2019 showed that 100% of the MNHN (Muséum national d'Histoire naturelle) content was qualified as Tier 0 based on the fact that the content-type entity header was not used to indicate the media type of the resource. OpenUp! advised the content provider on this issue, and as a result in the re-ingest to Europeana DSI in October 2019 already 95% of the content (a total of 478,226 records) has moved up to Tier 4; 4.4% of the content is now Tier 1, 2 or 3 and only 0.6% of this set remains in content Tier

0. Furthermore some smaller sets from the Botanic Garden and Botanical Museum Berlin were updated with new contextual class descriptions.

Photocons

The collections from TopFoto were updated in this reporting period to feed the 'BLUE SKIES, RED PANIC' Europeana virtual exhibition. Another example from this reporting period is about IMAGNO, a small but valuable private photo agency in Austria. The currently published collection has very nice images that are only provided in small resolution (tier 0). Negotiations for tier upgrade are ongoing since the Europeana DSI-3, but there is a fear that, by offering bigger images via Europeana Collections, these will be used more often, thus endangering the company's business. This is a concern that other agencies and archives share, so publishing high resolution images in Europeana Collections is difficult to achieve. As the collections from such agencies are an important part of our heritage that is valuable to be published in Europeana Collections, mechanisms need to be investigated how to open this heritage up without negatively affecting the business of these agencies.

Risk assessment: Raise quality of aggregated data

Risk	Likelihood of occurrence	Impact	Mitigation strategy
Data partners don't control content quality and have difficulties to incentivise the improvement of content quality, which is a risk for this KPI 2.8 and KPI 2.9 (Tier 2 and Tier 3 and above) to be achieved.	Medium	Medium	The new Europeana Collections portal is much better featuring high quality content related to specific themes, subjects, and people. This can help to have a motivation for CHIs to invest in content quality. In parallel, training on the real message 'the more you give the more you get' of the EPF can help to focus more on publishing with a purpose.

Task 2.3. Published data is further enriched for end users

Partners: EF

In recognition that there are limits to what aggregators, CHIs, and EF can do to improve data at scale, we are also investing in APIs that would allow third-parties, external to EF, to suggest enrichments. Annotation API is a new data service that will also be the interface by which running Generic services projects (Crowd Heritage and Enrich Europeana) are going to pass crowdsourced enrichments to the platform.

Overview of outcomes

Partner	Outcomes	Progress	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May
			M14	M15	M16	M17	M18	M19	M20	M21

<i>Extend the EDM annotation profile and the API to cover new GS requirements</i>			
EF	EDM model for annotations agreed and finalised	95%	
EF	Updated Annotation API for generic services	90%	
<i>Design display of annotations on item pages</i>			
EF	Design of item page updated to display annotations	100%	

Design of item page updated to display annotations

We updated the item page by adding a field to display the annotations coming from the generic services projects.

Risk assessment: published data is further enriched for end users

Risk	Likelihood of occurrence	Impact	Mitigation strategy
Annotations coming from GS projects are not validated	High	Medium	EF is working together with the GS projects to make sure that all annotations that come in via the Annotations API are properly reviewed by expert users so that they match the quality requirements and value proposition set by Europeana DSI.

Task 2.4. Influence and organise global interoperability efforts to benefit CHIs

Partners: EF

Global interoperability across the CHI network is an important foundation of Europeana's work. The evolution of interoperability efforts largely progress through involvement in external working groups, task forces, and committees, but also through the creation and dissemination of research reports and reference papers. Updates to the Europeana Data Model will also be implemented on an ongoing basis.

Overview of outcomes

Partner	Outcomes	Progress	Oct M14	Nov M15	Dec M16	Jan M17	Feb M18	Mar M19	Apr M20	May M21
<i>Maintain and extend interoperability by co-ordinating the development and documentation of the Europeana Data Model</i>										
EF	EDM updated (documentation, model)	Ongoing								

<i>Supporting data mapping and conversions with stakeholders</i>			
EF	Conversation with stakeholders on data mapping (EU Open data portal, Wikimedia)	Ongoing	
<i>Producing and disseminating research reports</i>			
EF	Producing and disseminating research reports	Ongoing	
<i>Co-ordinating and contributing to working groups, task forces, and committees</i>			
EF	Contribute to working groups (WG), task forces (TF), and committees	Ongoing	
EF	Coordinate Rightsstatements.org's Technical Working Group	Ongoing	
EF	Coordinate the IIF Discovery Technical Specification Group	Ongoing	
<i>EuropeanaTech community²⁴</i>			
EF, NISV	EuropeanaTech community coordination (SG activities, Twitter, mailing list)	Ongoing	
EF	EuropeanaTech WG: Data Quality Committee ²⁵	Ongoing	
EF	EuropeanaTech TF: Interoperability of annotations and user sets ²⁶	70%	
EF, CARARE	EuropeanaTech TF: 3D content in Europeana ²⁷	90%	
EF, NISV	EuropeanaTech survey	100%	
EF, NISV	EuropeanaTech community: Europeana 2019 event	100%	

EuropeanaTech community

EuropeanaTech survey - in Q3 2019, the EuropeanaTech community steering group (SG) conducted a community satisfaction survey wherein a Net Promoter Score (NPS) was derived. The final NPS was -12, far below the necessary KPI. The first point that comes to mind is that the NPS computing method is not a good fit. Technical individuals, whose

²⁴ <https://pro.europeana.eu/network-association/special-interest-groups/europeanatech>

²⁵ <https://pro.europeana.eu/project/data-quality-committee>

²⁶ <https://pro.europeana.eu/project/interoperability-of-annotations-and-user-sets>

²⁷ <https://pro.europeana.eu/project/3d-content-in-europeana>

trade relies on careful criticism of problems and options to solve them are less likely to give the kind of high score that a positive NPS requires (whereby even 7-8 out of ten is regarded as 'passive'). Moreover, the low NPS is less surprising in context. In order for someone to encourage a colleague to join a community, there needs to be clear added benefit of said community. Between the EuropeanaTech 2018 conference (which received a high NPS score) and our community satisfaction survey, EuropeanaTech's main outputs were mostly editorial (via the EuropeanaTech Insight community publication and the Europeana Pro blog). The formation of the EuropeanaTech SG in 2019 diverted our already limited resources to organisation, thus not allowing substantial time to execute publicly facing community activities. In fact there were not many respondents to our survey, in spite of our communication efforts.

EuropeanaTech still has the capacity to be active and provide added value. It is the largest and most active Europeana community. EuropeanaTech blog posts on Pro generate a large amount of traffic. The creation of the SG offers more potential for long-term added benefit. It is in fact motivated to be more publicly active in 2020, where the outcomes of its first 'own' activities (such as the task force on 3D) will be available to trigger more discussions and developments and we will launch new activities, for example on AI. An NPS survey is recommended for Q1 2021 to measure this (in addition to other actions already planned).

EuropeanaTech community: Europeana 2019 event - the EuropeanaTech community was very active at the Europeana 2019 annual event, which was a great opportunity to reinforce community participation on the technical topics that are key to Europeana DSI. It organised a IIF workshop, the 3D Task Force hosted a seminar, two sessions on highlights from its Innovation Agenda, a session on multilingual access and machine translation, an unconference session, and it was well represented in the session on FAIR principles for digital culture. Each session triggered a high level of engagement, hopefully already helping to mitigate the issue mentioned in the above paragraph.

Overview of KPIs

No.	Description	Target M12	Aug M12	Target M24	Sep M13	Oct M14	Nov M15
2.11	Total number of reference papers or presentations	10	15	10	2	3	3
5.5	Satisfaction of EuropeanaTech members	30		35		-12	

Research publications and outreach events

Partner	Name of event	Activity	Location	Date
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INESC-ID	International Conference on Metadata and Semantics Research - MTSR 2019	Publication and presentation of research paper 'The Data Aggregation Lab software: experimentation for linked data aggregation in Cultural Heritage'	Rome, Italy	28-31/10/2019
EF	Linked Art Face-to-face meeting	Participation: developments of the data model	London, UK	30/09/2019 - 03/10/2019

2.5. Maintain Europeana Licensing Framework and Rightsstatements.org

Partners: EF

The Europeana Licensing Framework (ELF) standardises rights related information and practices across cultural heritage domains and EU member states. The Europeana Licensing Framework will be maintained and updated by EF.

Overview of outcomes

Partner	Outcomes	Progress	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May
			M14	M15	M16	M17	M18	M19	M20	M21
Europeana Licensing Framework (ELF)										
EF	ELF management (review of ELF policies, support rights issues in data ingestion process, update documentation, implementation of rightsstatements.org)	Ongoing								
EF	Management of the adoption of multilingual rights information	Ongoing								
EF	Contribute to NEMO IP working group ²⁸	Ongoing								
EF	Europeana strategy to manage copyright 2020+	90%								
EF	Develop UGC policy to support Europeana and Europeana Generic Services	75%								
EF	Connect Europeana data back into Creative Commons search	70%								
Europeana Copyright community²⁹										
EF	Europeana Copyright community	Ongoing								

²⁸ <https://www.ne-mo.org/about-us/working-groups/working-group-digitalisation-and-ipr.html>

²⁹ <https://pro.europeana.eu/network-association/special-interest-groups/europeana-copyright>

	management		
EF	Europeana Copyright community: Twitter ³⁰	Ongoing	
EF	Europeana Copyright community survey ³¹	100%	
EF	Europeana Copyright community: Europeana 2019 event	100%	
Rightsstatements.org³²			
EF	RightsStatements.org management	Ongoing	
EF	RightsStatements.org: translations	Ongoing	
EF	New CMS and translation system operational	100%	
EF	RightsStatements.org: development of implementation package	40%	
EF	Development of new membership and business model	70%	

Europeana Copyright community

Europeana Copyright community survey - copyright community members, as well as non-members, were invited to answer a survey about the most common challenges they face when it comes to dealing with copyright law. Over 100 practitioners from different sectors replied. The answers have been analysed by the copyright community steering group and are used to build a meaningful copyright community 2020 work plan.

Europeana Copyright community: Europeana 2019 event - the copyright community organised two sessions that sought to connect education, research, tech, impact and communication to copyright. A first session featured live music, whose recording was then used to teach the audience how to apply rights statements or creative commons license on works. It was lead by two copyright community members from Lithuania, one of which is a member of the steering group. As it is an inspiring way to teach copyright, we will promote it among copyright practitioners. The second session focused on raising awareness on the Copyright in the Digital Single Market Directive adopted in April 2019. A panel of four experts exchanged on the opportunities this will bring to current practices in cultural heritage institutions and the sharing of cultural heritage online. It also raised awareness on other instruments that can contribute to the work of cultural heritage institutions such as the public domain.

³⁰ <https://twitter.com/europeanaipr?lang=en>
³¹ <https://pro.europeana.eu/post/insights-from-the-europeana-copyright-community-survey>
³² <https://rightsstatements.org/en/>

Rightsstatements.org

New CMS and translation system operational - the platform Transifex dedicated to the translation of the rights statements is now operational. It incorporates all the functionalities needed. A set of guidelines was prepared to guide translators and reviewers through the use of the tool. It will be tested with upcoming translations. In the meantime we concluded the transition to a new CMS (Netlify) for the general website functionality of rightsstatements.org.

Overview of KPIs

No.	Description	Target M12	Aug M12	Target M24	Sep M13	Oct M14	Nov M15
2.12	Percentage of active aggregators that integrated rightsstatements.org in their infrastructure	25%	61% ³³	35%			

Risk assessment: maintain Europeana Licensing Framework and Rightsstatements.org

Risk	Likelihood of occurrence	Impact	Mitigation strategy
Rightsstatement.org: Challenge to build a sustainable consortium 2020	Low	High	Development a new membership model with current and potential members is underway, due for completion Dec.

Communications and dissemination activities

Partner	Name of event	Activity	Location	Date
EF	NEMO's 27th Annual Conference	Presentation of the Copyright in the Digital Market Directive, its impact on cultural heritage institutions and Europeana's approach to it.	Tartu, Estonia	06-09/11 /2019

³³ KPI will be measured once a year. KPI was measured in July 2019.

Work Package 3: Fostering reuse of digital cultural heritage resources

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

Task 3.1. Engage with educational communities

Partners: EF, EUN, EUROCLIO


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

Overview of outcomes

Partner	Outcomes	Progress	Oct M14	Nov M15	Dec M16	Jan M17	Feb M18	Mar M19	Apr M20	May M21
Communication and dissemination										
EF	Europeana Pro communications (blogs ³⁴)	Ongoing	█	█	█	█	█	█	█	█
EF	Europeana Education LinkedIn group	Ongoing	█	█	█	█	█	█	█	█
EF	Europeana Education Facebook Group ³⁵	Ongoing	█	█	█	█	█	█	█	█
Europeana Education community										
EF	Europeana Education community coordination	Ongoing	█	█	█	█	█	█	█	█
EF	Best practices and case studies on using digital culture in education	60%	█	█	█	█				
EF	Education community: Europeana 2019 event	100%	█	█						
EF	ICOM Portugal and museum representatives meeting	100%	█	█						
EF	Workshop for history educators in Romania	100%	█							
Integration of Europeana resources on educational platforms										

³⁴ <https://pro.europeana.eu/pages/blog/news/markets/education>

³⁵ <https://www.facebook.com/groups/EuropeanaEducation/>

EF	Integration of Europeana content on Unsplash ³⁶	70%						
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Europeana Education community

Education community: Europeana 2019 event - on 28 November the community chair moderated the panel ‘Shaping the future of education with digital cultural heritage’ that presented the Europeana Initiative in education from our partner’s perspective and a debate on how to better engage with other education professionals. On the 29th, the community co-chair moderated the session ‘Promoting digital culture with Digital Invasions’ co-organised with the communicators’ community. This hands-on activity showcased the value of this methodology for education.

ICOM Portugal and museum representatives meeting - with the aim to involve more CHI education professionals in our initiative, on 27 November the community organised an informal meeting for a group of representatives of education departments in Portuguese museums. This event was possible thanks to the collaboration of NEMO, ICOM-Portugal and the Portuguese Ministry of Culture and represents the starting point for a long-standing collaboration with museum professionals. 20 people attended the meeting which was hosted by the director of the Museum of Lisbon.

Workshop for history educators in Romania - on 4 and 5 October, a two-days seminar for Romanian history educators took place in the University Library Cluj-Napoca. The event was organised by the community co-chair, in collaboration with the county education authorities, EF and Euroclio. During the workshop on the first day, 80 participants discovered Europeana learning resources. The NPS on how likely teachers will recommend Europeana to their peers was 62.

Communication and dissemination activities

Partner	Name of event	Activity	Location	Date
EF	Supporting Key Competences Development: ‘Learning approaches and environments in school education’ ³⁷	Attendance, workshop and discussions about digital technologies supporting competence development	Brussels, Belgium	12-13/11/2019
EF, EUN	Eminent 2019	Attendance, dissemination of promo material	Warsaw, Poland	05/11/2019
EF	eTwinning annual conference	Speaker/Presentation	Cannes, France	24-26/10/2019

³⁶ <https://unsplash.com/education>

³⁷

https://ec.europa.eu/education/events/supporting-key-competence-development-learning-approaches-and-environments-in-school-education_en

EF	Generation Code event ³⁸	Presentation of work in education to members of the European parliament (MEPs) and members of the library network, with a total of 90 participants (librarians and other visitors) from 24 EU Member States and 81 MEPs from 22 EU Member States	Brussels, Belgium	08/10/2019
EUN	Sharing our Cultural Heritage to Improve School Performance (BArTS) workshop ³⁹	Workshop	Xàtiva, Spain	21/10/2019
EUN	Europeana 2019 annual conference	Presentation	Lisbon, Portugal	26/11/2019
EUN	STEM day organised by the EPOS (Flemish National Agency for Erasmus projects)	Dissemination promo Material	Leuven, Belgium	08/11/2019
EUN	EUNA Thematic Seminar	Dissemination promo Material	Brussels, Belgium	12/11/2019

Subtask 3.1.1. Maintain and develop governmental partnerships (Ministries of Education)

Partners: EF

EF continued to establish collaborations with Ministries of Education in Europe. Main outcomes of these collaborations include the representation of Europeana DSI and selected Europeana resources on their national educational portals, API integration and connections to teachers on national level.

Overview of outcomes

Partner	Outcomes	Progress	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May
			M14	M15	M16	M17	M18	M19	M20	M21
EF	Collaboration with Ministries of Education (Greece and Croatia)	Ongoing								

³⁸

https://www.facebook.com/pg/LibrariesEU/photos/?tab=album&album_id=1202736746603070&ref=page_inter nal

³⁹ https://www.flickr.com/photos/european_schoolnet/sets/72157711536068643/

Risk assessment

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

Subtask 3.1.2. Maintain and develop non-commercial partnerships

Partners: EF, EUN, EUROCLIO

EUN and EUROCLIO are our key noncommercial partners.

EUN coordinates two groups of teachers to raise awareness about Europeana Collections and to foster their reuse of cultural heritage for digital learning: Europeana Teacher User Group and Europeana Teacher Ambassador network. The Europeana Teacher Ambassador network will support the project by leading the development of learning scenarios with Europeana content as well as the promotion and adoption of these resources at national level. The Europeana Teacher User Group will animate the Teach with Europeana blog⁴⁰ by adding new learning scenarios and stories of implementation and delivering feedback to other teachers.

EUROCLIO will continue to publish digital learning resources with Europeana content on Historiana⁴¹ to raise general awareness of the existence of Europeana as an educational resource in their network of history teachers across Europe.

Overview of outcomes

Partner	Outcomes	Progress	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May
			M14	M15	M16	M17	M18	M19	M20	M21
European Schoolnet (EUN)										
EUN	Communication and dissemination activities	Ongoing	■	■	■	■	■	■	■	■
EUN	Communication plan for the promotion	100%	■							

⁴⁰ <https://teachwittheuropeana.eun.org/>

⁴¹ <https://historiana.eu/#/>

	of Europeana in education (MS42)		■							
EUN	Teasers (short videos) for teachers and ministries	20%	■	■	■					
EUN	Meetings of the teacher ambassador network (MS39)	100%	■							
EUN	Organise the Europeana Teacher User Group	100%	■							
EUN	Europeana MOOC (EN) updated (MS40)	50%	■	■	■	■				
EUN	Europeana MOOC (FR/IT/ES/PT) (MS41)	50%	■	■	■	■	■	■		
Historiana										
EUROCLIO	Communication and dissemination activities	Ongoing	■	■	■	■	■	■	■	■
EUROCLIO	SEO of published Europeana content on Historiana	Ongoing	■	■	■	■	■	■	■	■
EUROCLIO	Workshops for history educators and trainees M14/M15	100%	■							
EUROCLIO	eLearning activities developed (MS45)	20%	■	■	■	■	■	■	■	
EUROCLIO	Source collections published (MS43)	50%	■	■	■	■	■			
EUROCLIO	Teaching Training Package updated (MS44)	50%	■	■	■	■				
EUROCLIO	Fit for education case study (MS46)	30%	■	■	■	■	■	■	■	■

European Schoolnet (EUN)

Communication plan for the promotion of Europeana in education (MS42) - this document provides an overall plan for the promotion of Europeana DSI in education for the second year of Europeana DSI-4 (September 2019 – August 2020). It also examines the impact of activities suggested in the previous communication plan (MS42, M2) of the first year. The document will present guidelines towards engaging with teachers in primary and secondary education to raise their awareness about the educational value of digital cultural heritage and to increase the use of digital learning resources with Europeana content in their classrooms. In order to make this happen, EUN carried out and will continue to carry out dissemination activities, in relation to those main goals, planned for the specific target groups: secondary school teachers and policymakers.

Meetings of the teacher ambassador network (MS39) - from 25 to 27 October, the annual meeting with the 13 Europeana ambassadors took place at the premises of European Schoolnet (EUN) in Brussels⁴². The latest updates of the Europeana portal were discussed with the ambassadors followed by a session on how to create a Europeana learning scenario in terms of pedagogy and resource selection. Other tasks during the workshop were: the new activities assigned to the ambassadors and their user group members, the shooting of the promotional videos for the second year of the project, instructions for the moderation of the new Europeana Massive Open Online Courses, the Teaching with Europeana blog new content, and the preparations for the next Europeana competition.

Organise the Europeana Teacher User Group - out of the 131 User Group teachers of 2018-2019, 82 teachers continue the work into the second project year. EUN published a new application form to invite new members into the 2019-2020 User Group. Teachers from 16 countries were eligible to apply. EUN received 233 applications and selected 56 new teachers to join the project. Two teachers have withdrawn due to personal reasons, therefore, the User Group of 2019-2020 will consist of altogether 136 teachers.

Historiana

Workshops for history educators and trainees M14/M15 - during this period Euroclio organised four workshops to introduce Historiana platform, the Europeana source collections and eLearning activities, and the Teacher Training Guide to a total of 97 history educators, teachers and trainees. The events took place on 5 October in Cluj, Romania (*History and European Digital Resources*), on 10 November in Blois, France (*Les Rendez-Vous de l'Histoire*), on 16 November in Helsinki, Finland (*Seminar by the Finnish History Teachers Association*) and on 27 November in Lisbon, Portugal (*Europeana 2019 Pre-Meeting*).

Overview of KPIs

No.	Description	Target M12	Aug M12	Target M24	Sep M13	Oct M14	Nov M15
3.1	Total number of learning resources using Europeana data	Min. 200	350	Min. 200		2	2 ⁴³
3.2	Total number of integrations of Europeana data in learning environments	5	1	5	1	1	1

⁴²

<https://teachwittheuropeana.eun.org/updates/breathing-new-life-into-the-europeana-project-when-cultural-heritage-meets-pedagogy/>

⁴³ Outcomes are related to the implementation of milestones (MS40, MS41, MS45, MS71).

3.3	Satisfaction rate in the education market (NPS) ⁴⁴	20	61	66		62	62
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Risk assessment

Risk	Likelihood of occurrence	Impact	Mitigation strategy
Some language versions of the MOOCs might result in low sign-ups	Medium	Medium	Promotion on Europeana communication channels; reach out to partners (ministries) in the respective countries to ask for support for dissemination

Subtask 3.1.3. Maintain and develop commercial partnerships

Partners: EF

The commercial partners were the least responsive group out of our three target ones (governmental, noncommercial and commercial). Therefore, we will lower the priority of this educational user group and re-direct the efforts towards collaborations with CHI's educational departments. In this way, our activities will be more aligned with Europeana's strategic focus on cultural heritage institutions.

Task 3.2. Engage with academic research communities

Partners: EF, ATHENARC, and CLARIN

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

Overview of outcomes

Partner	Outcomes	Progress	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May
			M14	M15	M16	M17	M18	M19	M20	M21
EF	Europeana Research advisory board ⁴⁵	Ongoing								

⁴⁴ The NPS is calculated based on the average of NPS scores received at individual workshops, MOOCs, conferences/presentations throughout the year.

⁴⁵ <https://pro.europeana.eu/page/research-advisory-board>

EF	Europeana Research grants programme (MS51) ⁴⁶ -2019 call	100%	
CLARIN	Content integration in CLARIN VLO (evaluation, selection, integration)	25%	
AthenaRC	Research on community generated content initiatives	70 %	
EF	OCLC integration	70%	
Communication and dissemination			
EF, ATHENA RC	Europeana Pro communications (blogs) ⁴⁷	Ongoing	
EF	Twitter: @Eurresearch ⁴⁸	Ongoing	
Europeana Research community			
EF	Europeana Research community coordination	Ongoing	
EF	Research community TF: Research requirements ⁴⁹	75%	
EF	Europeana Research community: Europeana 2019 event	100%	

Europeana Research grants programme (MS51)

In September, EF launched a new format of the Europeana Research Grants Programme with the aim to support events that bring together cultural heritage professionals and researchers. The call was open until 31 October 2019 and proposed as topic Digital Cultural Heritage for Open Science. 70+ applications showed a significant geographic coverage. Italy (13 applications), Portugal (6) and Germany (6) were the most represented countries. The results of the decision-making process were announced on 27 November at the Europeana Annual Event 2019 and through a post on Europeana Pro.⁵⁰

Europeana Research community

Europeana Research community: Europeana 2019 event - two main initiatives were addressed to the research community members on the Europeana Annual Event 2019: 1) a pre-conference workshop on 27 November funded by EOSC Secretariat under the title: EOSC's Evolutionary Scenarios. New Perspectives for Digital Cultural Heritage; 2) a session on 29 November: How to implement the FAIR principles in Digital Culture. The Research

⁴⁶ <https://pro.europeana.eu/page/europeana-research-events-grants-programme-2019-call-for-submissions>

⁴⁷ <https://pro.europeana.eu/pages/blog/news/markets/academic-research>

⁴⁸ <https://twitter.com/eurresearch?lang=en>

⁴⁹ <https://pro.europeana.eu/project/research-requirements>

⁵⁰ <https://pro.europeana.eu/post/announcing-the-winners-of-the-europeana-research-grants-programme-2019>

Requirement TF⁵¹ had the opportunity to present the first outcomes of its survey within the session on the Europeana Innovation Agenda, which hosted the announcement of the four institutions awarded a Europeana research grant, too.

Overview of KPIs

No.	Description	Target M12	Aug M12	Target M24
3.4	Total number of case-studies implementing Europeana on research infrastructures	3	1	3 ⁵²

Communication and dissemination activities

Partner	Name of event	Activity	Location	Date
EF	Special visit to the Bibliotheca Hertziana	Visit organised for the benefit of the Research TF members who participated in a physical meeting in Rome from 8 to 9 September. The focus was the Bibliotheca Hertziana Digital Humanities Lab. ⁵³	Rome, Italy	10/10/2019
EF	Eu Qu-ran Conference	Participation in a panel on the Digital Humanities, on the occasion of the launch of the ERC Project 'The European Qur'an. Islamic Scripture in European Culture and Religion 1150-1850'. ⁵⁴	Naples, Italy	16-18/10/2019
CLARIN	EOSC's Evolutionary Scenarios - pre-conference workshop at Europeana 2019 ⁵⁵	Contribution on the SSHOC/Social Sciences & Humanities Open Cloud project funded within the EOSC. ⁵⁶	Portugal, Lisbon	27/11/2019
Athena RC	Digital initiatives in History and the development of History as a Discipline	Invited talk (in Greek)	Athens University / Free University Berlin	11/10/2019

⁵¹ <https://pro.europeana.eu/project/research-requirements>

⁵² Based on the Europeana Research strategic plan delivered in July 2019 the integration of Europeana sources into research platforms will not be a priority. Therefore this KPI is not valid anymore.

⁵³ <https://www.biblhertz.it/en/digital-humanities-lab>

⁵⁴ <https://euqu.eu/>

⁵⁵ <https://www.dropbox.com/s/gozfg5hgovsd15n/EOSC%20agenda.pdf?dl=0>

⁵⁶ <https://sshopencloud.eu/>

Athena RC	Europeana 1914-1918 and community-generated content in Europe	Seminar	UC Berkeley	12/11/2019
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Risk assessment

Risk	Likelihood of occurrence	Impact	Mitigation strategy
CHIs are not aware of research development contributions	Medium	Low	All research developments should benefit CHIs, benefits should be communicated, to CHIs, initiatives (conferences/workshops) to improve digital skills and literacy of CHI professionals
Digital Collections do not comply with the FAIR principles	High	High	Create awareness of the importance of the FAIR principles

Task 3.3. Engage with creative industries communities

Partners: EF

The creative industries market is large and heterogenous and thus the outreach activities there are time and labour intensive. Considering the available limited resources, the strategic focus on CHIs and the higher priority of other markets (for example, education), we will reduce the effort for the creative industries market. In this line of thought, EF funding opportunities for creative professionals, such as the Europeana Challenges and match funding calls, will be discontinued. We will inform the current users of the existing Europeana Labs channels (Twitter and newsletter) about this change and we will investigate a suitable API strategy.

Work Package 4: Communication and Dissemination

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

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

Task 4.1. Communication and dissemination to CHIs and expert communities

Partners: EF, and Lovegrove

The primary communications platform for this market and our stakeholders is Europeana Pro⁵⁷. Communication to CHIs and expert communities will be disseminated through a number of key channels including Twitter and LinkedIn expert groups.



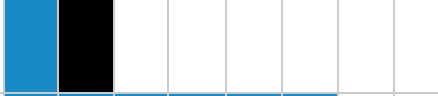

Overview of outcomes

Partner	Outcomes	Progress	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May
			M14	M15	M16	M17	M18	M19	M20	M21
Europeana Pro										
EF	Publication of Pro News ⁵⁸	Ongoing	■	■	■	■	■	■	■	■
EF	Pro News theme: Europe at Work (Oct/Nov)	100%	■	■						
EF	Pro News theme: Europeana Publishing Framework phase 1 (Oct)	100%	■							
EF	Pro News theme: Europeana 2019: Connecting Communities conference (Nov)	100%	■	■						
EF	Pro News theme: Reflections (Dec)	15%	■	■	■					
EF	Pro News theme: Public domain (Jan)	5%		■	■	■				
EF	Pro page for Europeana DSI-4 activities	100%	■							
EF	Online version of Europeana DSI-4 2019 annual report	100%	■	■						
Europeana Communicators community⁵⁹										

⁵⁷ <https://pro.europeana.eu/>

⁵⁸ <https://pro.europeana.eu/blog>

⁵⁹ <https://pro.europeana.eu/network-association/special-interest-groups/europeana-communicators-group>

EF	Europeana Communicators community management	Ongoing	
EF	Europeana Communicators: monthly newsletter ⁶⁰	Ongoing	
EF	Europeana Communicators: Europeana 2019 event	100%	
EF	Europeana Communicators: work plan 2020	5%	

Europeana Pro

Pro News theme: Europe at Work - 11 posts (2,225 views), including three digital champion interviews (1,045 views) and three Historiana learning scenarios posts (300 views).

Pro News theme: Europeana Publishing Framework phase 1 (Oct) three posts introducing the metadata tiers and accredited aggregators scheme (2,945 views).

Pro News theme: Europeana 2019 Connecting Communities conference - five posts (2,383 views).

*Pro page for Europeana DSI-4 activities*⁶¹ - contains four Pro News posts highlighting current activities and challenges, plus link to Europeana DSI-4 2019 annual report, linked to from Europeana Collections 'About' page to guide the general public to this information.

*Online version of DSI-4 annual report*⁶² - Contains nine items highlighting achievements, plus a link to the full text pdf version of the report.

Europeana Communicators community

Europeana Communicators: Europeana 2019 event - the event saw two sessions: (1) Session 'Promoting cultural heritage through Digital Invasion' by the Europeana Education and Communicators communities. This interactive session introduced the concept of a digital invasion and how it can be used to connect a range of audiences with culture. Outcomes visible at #feelingculture⁶³ on Twitter and Instagram. 51 people signed up for the session. 50 tweets and 20 posts on Instagram within half an hour, and the invasion caused #europeanacommunities to trend on Twitter; (2) Session 'Communicating the value of digital culture to stakeholders'. In this session, the Europeana Impact and Communicators communities looked at how to translate the value of activities into communications that are relevant to and support stakeholders' agendas. This workshop took positive steps towards translating impact into effective stakeholder communication. Outcome was a list

⁶⁰ <https://us3.campaign-archive.com/home/?u=ad318b7566f97ecc895e014e&id=a76d355759>

⁶¹ <https://pro.europeana.eu/page/europeana-a-digital-service-infrastructure>

⁶² <https://pro.europeana.eu/page/dsi-4-annual-report-2019>

⁶³ https://twitter.com/search?q=%23feelingculture&src=typed_query

of the most significant stakeholder 'pains' and 'gains'. This will help to shape the next stages of the Europeana Impact Playbook and the Europeana Communicators actions. 43 people signed up for the session.

Overview of reporting requirements

Description	Aug M12	Sep M13	Oct M14	Nov M15	Dec M16
Number of visits to Europeana Pro per month	16,821	25,487	25,898	26,105	-
Number of visits to Pro News per month	6,576	9,183	10,102	10,063	-

Task 4.2. Communication and dissemination to European citizens

Partners: EF

Communication and dissemination to our end-users (European Citizens) aim to increase new visits and re-visits to the Europeana platform. Europeana Collections is expected to receive a minimum of 550,000 visits per month. Communication activities function on channels that Europeana owns (e.g. Europeana Collections, Transcribathon.eu) through for example blogs and our newsletters. We will also promote Europeana content on high-impact channels, where the users already are, like social media (e.g. Facebook, Twitter, Pinterest) and work in collaboration with partners (e.g. GIPHY, DailyArt) to reach wider communities.






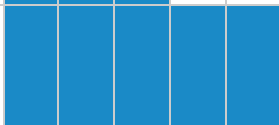
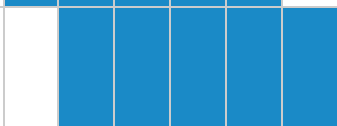





Overview of outcomes

Partner	Outcomes	Progress	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May
			M14	M15	M16	M17	M18	M19	M20	M21
EF, Consortium	Editorial strategy, partner engagement, preparation and publication (blogs ⁶⁴ , galleries ⁶⁵ , exhibitions ⁶⁶)	Ongoing								
EF	Generic services editorial support (planning, advise, editing, publishing)	Ongoing								
EF	Marketing strategy and communication: newsletter and social media (Facebook, Twitter, Instagram, Pinterest)	Ongoing								
EF	Marketing strategy and partnerships (DailyArt, GIF IT UP)	Ongoing								

⁶⁴ <https://blog.europeana.eu/>

⁶⁵ <https://www.europeana.eu/portal/en/explore/galleries>

⁶⁶ <https://www.europeana.eu/portal/en/exhibitions/foyer>

Seasons									
EF	Europe@work season (MS78)	80%							
EF	Europe@work season: collection days	80%							
EF	Europe@work season: Daily Art cooperation	80%							
Exhibitions									
EF	Blue Skies, Red Panic (Fifties Kaleidoscope)	100%							
EF	European Pillar of Social Rights (with DG EMPL)	5%							
EF	Celebrating Europe: Seasonal traditions across Europe (Europeana Common Culture Generic Services action)	30%							
EF	The Silk and the Blood: Images of Authority in Byzantine Art and Archaeology (BYZART)	30%							
EF	WWI & Music	50%							
Transcribathons									
EF	Transcribathons: Enrich Europeana	Ongoing							
Partnerships									
EF	GIF IT UP contest 2019	95%							
Wikimedia									
EF	CHIs engagement with Wikidata (events, workshops)	100%							
EF	Europeana blogs referenced to Wikipedia articles	100%							

Exhibitions

Blue Skies, Red Panic (Fifties Kaleidoscope) - the exhibition *Blue Skies, Red Panic*⁶⁷ takes the user on a photographic journey through Europe in the fascinating 50's. This exhibition was created in the framework of the CEF-project '50s in Europe Kaleidoscope'⁶⁸. Since publication (October) the exhibition received 1,700 visits (up until 30 November) and an NPS of 46.

⁶⁷ <https://www.europeana.eu/portal/en/exhibitions/blue-skies-red-panic#>

⁶⁸ <https://www.photoconsortium.net/50s-in-europe-kaleidoscope/>

Wikimedia

CHIs engagement with Wikidata (events, workshops) - within Europeana DSI-4 we were involved in several events (e.g. Wikimania⁶⁹) and workshops (e.g. 2019 European GLAMwiki Coordinators meeting⁷⁰). Collectively, these events placed EF at the centre of a rapidly emerging area of technical development in the cultural sector - notably in metadata standards, open knowledge practices and software development.

Europeana blogs referenced to Wikipedia articles - we assessed all editorial output for their ability to be used as reference material in Wikipedia. This served a double-benefit of improving the quality of Wikipedia through better footnotes, and also providing inbound 'deeplink' traffic to Europeana.eu from a highly visible website. This process proved particularly successful with thematic commissioned blogposts and exhibitions. In several cases entire new Wikipedia articles were created or existing articles previously had no footnotes at all.

Overview of KPIs

No.	Description	Target M12	Aug M12	Target M24	Sep M13	Oct M14	Nov M15
4.1	Satisfaction rate for Europeana Collections	30	41	43			17
4.2	Satisfaction rate for exhibitions (average per year)	30	48.5	53	60	60	60
4.3	Reach of Europeana data on third parties	150 million	153.2 million	170 million	12 million	25.5 million	38.6 million
4.4	Reach of Europeana data on social media (impressions) ⁷¹	82 million	157.6 million	82 million	12.3 million	198.8 million	233.3 million

Overview over reporting requirements

Description	Aug M12	Sep M13	Oct M14	Nov M15	Dec M16
Total engagement on social media (shares, likes, comments)	243,317	171,374	229,056	194,611	-

⁶⁹ <https://pro.europeana.eu/post/wikimania-2019>

⁷⁰ https://meta.wikimedia.org/wiki/2019_European_GLAMwiki_Coordinators_meeting

⁷¹ Facebook, Twitter, Pinterest, GIPHY

Risk assessment: communication and dissemination to European citizens

Risk	Likelihood of occurrence	Impact	Mitigation strategy
Satisfaction rate for Europeana Collections is low (KPI 4.1)	Medium,	Medium	Constant improvement of Europeana Collections; investigate more elaborated mechanisms to measure user satisfaction
Reach of Europeana data on social media (KPI 4.4): Changes to the algorithms and pricing on social media platforms	Medium	Medium	Diversification of channels, tools and platforms used

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

Under WP5 EF supports the Europeana Network, instituted and organised in the Europeana Network Association (ENA)⁷², its Members Council and Management board, ENA task forces (TF) and working groups (WG), as well as ENA communities. EF also connects to various stakeholders via its EU presidency events.

Overview of outcomes

Partner	Outcomes	Progress	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May
			M14	M15	M16	M17	M18	M19	M20	M21
EF	ENA: general support (agendas, meeting reports)	Ongoing	█	█	█	█	█	█	█	█
EF	ENA monthly newsletter ⁷³	Ongoing	█	█	█	█	█	█	█	█
EF	Europeana LinkedIn Group	Ongoing	█	█	█	█	█	█	█	█
EF	Europeana 2019 annual event (MS54)	100%	█	█						
EF	Europeana 2019 annual event: satisfaction survey	50%	█	█	█					
EF	WG: Europeana 2019 - programme advisory committee	100%	█	█						

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

⁷³ <https://pro.europeana.eu/resources/document-archive/newsletters-and-updates>

Europeana 2019 annual event (MS54)

The Europeana 2019 Conference 'Connect Communities' was a 3 day event that brought together not only representatives of the Europeana Network but also others who are interested to get inspired, transfer knowledge, learn and straighten their network. Our host was the National Library of Portugal in Lisbon. The conference included pre-meetings on the first day such as GIFT, IIF, EOSC, Historiana and a 3D Task Force seminar. The programme⁷⁴ offered a stage to 67 speakers and twelve 90 minute sessions dedicated and organised by the six communities, Education, EuropeanaTech, Communicators, Copyright, Impact and Research. 10 Pitches and 34 poster sessions presented projects and there was plenty of time built in to network. 287 participants attended the conference and 38 countries were represented. The survey, that was shared after the event, shows that the conference was a huge success with an 'excellent' score and would be highly recommended to colleagues.

WG: Europeana 2019 - programme advisory committee

The Programme Committee was selected from the Members Council for the Europeana 2019 event and was responsible for advising on the conference programme and running of the event, and for pushing the communication outwards and making sure the Programme Committee carried out the activities.

Overview of KPIs

No.	Description	Target M12	Aug M12	Target M24	Sep M13	Oct M14	Nov M15
5.1	Satisfaction of the ENA members with the ENA ⁷⁵	30		35			
5.2	Number of members in the ENA	2,000	2,534	2,250	2,587	2,625	2,625

Risk assessment

Risk	Likelihood of occurrence	Impact	Mitigation strategy
Losing a high number of ENA members: membership campaign planned for 2020 will ask members to re-confirm their membership	Medium	Medium	Encourage re-confirmation by sending reminders, communicating the value of being an ENA member

⁷⁴ <https://pro.europeana.eu/page/europeana-2019#programme>

⁷⁵ The metric is expected in March 2020 as part of ENA impact assessment.

Task 5.1. ENA governance

Partners: EF

EF will work with the ENA Members Council (MC) and Management Board (MB) and discuss topics of interest for the ENA.

Overview of outcomes

Partner	Outcomes	Progress	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May
			M14	M15	M16	M17	M18	M19	M20	M21
EF	ENA Management board meetings	Ongoing								
EF	WG: 2019 Governance working group	Ongoing								
EF	ENA Members Council meeting (MS53)	100%								
EF	ENA General Assembly meeting (MS54)	100%								
EF	ENA governance documents (key outcomes 2019, priorities 2020/activity plan)	100%								

ENA Members Council meeting (MS53)

The Members Council (MC) met on 26 November 2019 at the National Library in Lisbon. The MC discussed strategic priorities and involvement of the ENA with regards to implementation of the new Europeana Strategy 2021-2025. Councillors also worked in groups on the topic of digital transformation in the cultural heritage sector: the discussion revolved around problems and solutions in building digital services, and how ENA and/or the DSI consortium can help implement these solutions. Large part of the meeting was then dedicated to ENA communities and their work progress, preparing priorities and activities for 2020, and ideas for interaction and cross-community connections. Finally, the MC was presented with a budget update and governance proposals for creating terms of resignation from the MC; for revising the ENA Bylaws and Procedures; and for creating an ENA code of conduct.

ENA General Assembly meeting (MS54)

The General Assembly meeting took place on 27 November 2019. The agenda included: Minutes of the 2018 meeting of the General Assembly; main achievements and highlights of 2019 and Association Annual Report 2019⁷⁶; plans for 2020 based on the Association Activity Plan 2020; overview of the Association's finances as described in the Financial Report 2018, financial update for 2019, and approval of the Provisional Budget 2020; and finally approval of all these documents and start of the voting period. All the documents were formally approved.

⁷⁶

https://pro.europeana.eu/files/Europeana_Professional/Europeana_Network/Association_Updates/General_Assembly_Meeting_2019/Annual_report_2019.pdf

ENA governance documents (key outcomes 2019, priorities 2020/activity plan)

The following documents were submitted to ENA members for the 2019 General Assembly meeting for discussion and approval: Minutes of the 2018 meeting of the General Assembly⁷⁷; Association Annual Report 2019⁷⁸; Association Activity Plan 2020⁷⁹; Financial Report 2018⁸⁰; Provisional Budget 2020⁸¹. The General Assembly attendees provisionally voted and approved all the documents. The online voting took place between 27 November and 4 December 2019. Overall, 22% of the ENA members voted on the documents and approved all of them by 86%.

Task 5.2. ENA task forces and working groups

Partners: EF

ENA members take on specific subjects or areas of common interest by participating in task forces⁸² and working groups⁸³.

Overview of outcomes

Partner	Outcomes	Progress	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May
			M14	M15	M16	M17	M18	M19	M20	M21
EF	General support (approval and evaluation process)	Ongoing								

Overview of KPIs

No.	Description	Target M12	Aug M12	Target M24	Sep M13	Oct M14	Nov M15
5.3	Number of active task forces	5	3	5	3	3	3

⁷⁷

⁷⁸

https://pro.europeana.eu/files/Europeana_Professional/Europeana_Network/Association_Updates/General_Assembly_Meeting_2019/Annual_report_2019.pdf

⁷⁹

https://pro.europeana.eu/files/Europeana_Professional/Europeana_Network/Association_Updates/General_Assembly_Meeting_2019/ENA_Activity_Plan_2020.pdf

⁸⁰

https://pro.europeana.eu/files/Europeana_Professional/Europeana_Network/Association_Updates/General_Assembly_Meeting_2019/ENA_Financial_Report_2018.pdf

⁸¹

https://pro.europeana.eu/files/Europeana_Professional/Europeana_Network/Association_Updates/General_Assembly_Meeting_2019/ENA_Budget_2020.pdf

⁸² Running task forces are mentioned in the corresponding subject section. More information is available on Europeana Pro. <https://pro.europeana.eu/network-association/task-forces>

⁸³ Running working groups are mentioned in the corresponding subject section. More information is available on Europeana Pro. <https://pro.europeana.eu/network-association/working-groups>

Risk assessment

Risk	Likelihood of occurrence	Impact	Mitigation strategy
Task forces do not finish recommendations on time	High	Low	Manage expectations and be aware of potential impact for Europeana DSI; accommodate extension of task force work

Task 5.3. ENA communities

Partners: EF

The ENA organises communities of trans-national network of experts and specialists in the fields of creating, preserving and publishing digital cultural heritage online. Communities support the delivery of the Europeana DSI by developing policy and strategic advice on topics that the ENA members find relevant for the Europeana Initiative. The members can sign up to receive the newsletters, join various communication channels and social media groups, and attend community-related events and meetings. Under supervision of the MC, there are six active communities in the ENA⁸⁴.

Overview of outcomes

Partner	Outcomes	Progress	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May
			M14	M15	M16	M17	M18	M19	M20	M21
EF	General support for ENA communities (process coordination)	Ongoing								

Overview of KPIs

No.	Description	Target M12	Aug M12	Target M24	Sep M13	Oct M14	Nov M15
5.4	Number of active communities in the ENA	3	6	4	6	6	6

Risk assessment

Risk	Likelihood of occurrence	Impact	Mitigation strategy
Community members show little activity and engagement	Low, Medium, High	Low, Medium, High	Provide calls to action, meeting and webinars, useful tools and material, active information flow

⁸⁴ Community efforts are mentioned in the corresponding subject section. More information is available on Europeana Pro. <https://pro.europeana.eu/network-association/special-interest-groups>

Task 5.4. Europeana EU presidency events

Partners: EF

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

Overview of outcomes

Partner	Outcomes	Progress	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May
			M14	M15	M16	M17	M18	M19	M20	M21
EF	Romanian Presidency event: final recommendations	100%								
EF	Finnish Presidency event (MS56)	100%								
EF	Croatian Presidency event (MS56)	10%								
EF	German Presidency event (MS56)	5%								

Romanian Presidency event: final recommendations

EF - together with representatives from the Romanian Presidency meeting in Iași, on April 17-18 - developed a set of recommendations⁸⁵ that builds on the ambition of creating strong infrastructures and best practices to drive digital transformation in the cultural heritage sector, and defining an approach to support such transformation. The paper underpins the importance of national strategies and infrastructures to the sector, and articulates the recommended actions to support these principles at ministerial level, as well as actions for cultural heritage institutions and the Europeana Initiative.

Finnish Presidency event (MS56)

Policymakers, cultural heritage institutions, the DCHE Expert Group members, experts in multilingualism and EF came together in Espoo, Finland on 24 and 25 October to contribute ideas, experiences and expertise to the discussion on multilingualism in the digital cultural heritage sector. The meeting led to a refreshing perspective on how we can strengthen our approach to multilingualism. A reflection on the content of the meeting was published on Europeana Pro⁸⁶. As part of the next steps to build on the outcomes of this meeting and to progress multilingual reach in Europeana DSI, a recommended multilingual strategy and roadmap paper will be developed (MS33, due in February 2020).

⁸⁵ <https://pro.europeana.eu/post/final-recommendations-under-romanian-presidency>

⁸⁶ <https://pro.europeana.eu/post/next-steps-for-multilingualism-in-digital-cultural-heritage>

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

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

Overview of outcomes

Partner	Outcomes	Progress	Oct M14	Nov M15	Dec M16	Jan M17	Feb M18	Mar M19	Apr M20	May M21
Europeana Impact Framework										
EF	Europeana Impact Framework management	Ongoing	█	█	█	█	█	█	█	█
EF	Update of Impact toolkit	Ongoing	█	█	█	█	█	█	█	█
EF	Europeana Impact Playbook V2	95%	█	█	█	█	█			
Europeana Impact community										
EF	Europeana Impact community management	Ongoing	█	█	█	█	█	█	█	█
EF	Europeana Impact community survey	50%	█	█	█	█				
EF	Europeana Impact community: Europeana 2019	100%	█	█						
EF	Europeana Pro community pages improved ⁸⁷	100%	█	█						

Europeana Impact community: Europeana 2019

During the Europeana 2019 event two impact sessions were held. (1) a Beta version of an introductory workshop to the impact playbook. The workshop was designed by the steering group as a way to lower the barrier to learning about the tools in the playbook. Experience tells us that practitioners gain confidence from participating in a facilitated session prior to taking on the role of facilitator. 40 people joined the session, broken into six working groups exploring prepared scenarios using the playbook tools. Constructive feedback was gathered from the session participants which will be used to refine the Beta workshop prior to publication in January 2020. (2) see [task 4.1](#) for further description of the impact session run in coordination with the Communicators Community.

⁸⁷ <https://pro.europeana.eu/network-association/special-interest-groups/europeana-impact-community>

Europeana Pro community pages improved

The impact community steering group developed a stronger presence for their work through three new community pages on Europeana Pro. The pages inform about the activities of the community: (1) general information around the community such as high level goals and the steering group members; (2) the plans for the community and progress made towards those plans (periodically updated); and (3) profile of events, workshops and presentations made using the impact playbook and techniques to raise awareness amongst community members.

Risk assessment

Risk	Likelihood of occurrence	Impact	Mitigation strategy
Impact toolkit is not being used	Low,	Medium	Work with the community to help people learn how to use it and to make it more accessible for them to use

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

Partners: DEN and EF

Overview of outcomes

Partner	Outcomes	Progress	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May
			M14	M15	M16	M17	M18	M19	M20	M21
DEN, EF	Research with Member State coordinators	100%								
DEN, EF	New dashboards prepared, tested and refined	50%								
DEN, EF	Redesign of the ENUMERATE Observatory	50%								
DEN, EF	D.2 Study on impact of digitisation and reuse of cultural heritage	100%								

Research with Member State coordinators

Research with Member State coordinators was reported on in D.2 deliervable, submitted in October 2019.

D.2 Study on impact of digitisation and reuse of cultural heritage

See section [Task 9.1. Project management of Europeana DSI-4.](#)

Risk assessment

Risk	Likelihood of occurrence	Impact	Mitigation strategy
ENUMERATE data is not sufficient for the stakeholder, members states and policy makers to use	Medium	Medium	User testing to ensure user expectations are met, evaluating the need for a new survey

Task 6.2. Develop a report on 10 cases on the impact of opening up high quality cultural heritage in terms of reuse and economic benefits

Partners: DEN and EF

Overview of outcomes

Partner	Outcomes	Progress	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May
			M14	M15	M16	M17	M18	M19	M20	M21
EF	Impact design workshops	70%								
EF	Economic impact assessment: national workshops	70%								
EF	Economic impact assessment: Education MOOCs	95%								
EF	Economic impact assessment: ENA	30%								
EF	Economic impact assessment: rights frameworks	30%								
EF	Economic impact assessment: Europe at work season	10%								
EF	Economic impact assessment: events & conference	40%								
EF	Economic impact assessment: communities	30%								

Risk assessment

Risk	Likelihood of occurrence	Impact	Mitigation strategy
That the assessments cannot be completed on time due to external	Low	High	Involving internal stakeholders and members of the network to provide

factors during the process (e.g. insufficient data collection)			motivation and opportunity to support this work to ensure a timely completion.
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Task 6.3. Cost-benefit analysis

Partners: EF

Status: Not started, EF will evaluate possible options in January 2020.

As part of this contract, EF will subcontract an expert to develop a cost-benefit analysis on Europeana DSI.

Work Package 7: Governance

Partners: EF

Under WP7 EF reports to the European Commission, the Expert Group on Digital Cultural Heritage and Europeana (DCHE)⁸⁸ and its sub-groups the status of the Europeana DSI platform, activities and developments as well as re-prioritise developments of the platform based on received feedback and validation with users.

Overview of outcomes

Partner	Outcomes	Progress	Oct M14	Nov M15	Dec M16	Jan M17	Feb M18	Mar M19	Apr M20	May M21
EF	DCHE/Subgroup meeting (MS62)	100%								

DCHE/Subgroup meeting (MS62)

On 5th/6th November, EF's executive director attended the DCHE/subgroup meeting in Luxembourg.

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

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

No activities in this reporting period.

⁸⁸ <https://ec.europa.eu/digital-single-market/en/expert-group-digital-cultural-heritage-and-europeana-dche>

Work Package 9: Project and Programme Management

Task 9.1. Project management of Europeana DSI-4

Partners: EF

Overview of outcomes

Partner	Outcomes	Progress	Oct M14	Nov M15	Dec M16	Jan M17	Feb M18	Mar M19	Apr M20	May M21
EF	Project management	Ongoing								
EF	Europeana DSI-4 GA meeting (MS64)	100%								
EF	B.2 Periodic reports and B.3 Activity reports M14	100%								
DEN, EF	D.2 Study on impact of digitisation and reuse of cultural heritage	100%								
EF	C.2 Users and usage report M15	100%								

Europeana DSI-4 GA meeting (MS64)

On 21 October the Europeana DSI-4 consortium met for a virtual meeting. At the meeting EF presented the achievements of the first year of Europeana DSI-4 as well as the recommendations received from EC after the annual review meeting in September.

B.2 Periodic reports and B.3 Activity reports M14

In October, we delivered the B.2 Periodic reports and B.3 Activity reports to EC reporting on progress and outcomes achieved in the period between August and September 2019.

D.2 Study on impact of digitisation and reuse of cultural heritage

In October 2019, DEN and EF delivered the study on the impact of digitisation and reuse of cultural heritage to EC. The deliverable described progress and outcomes of impact related activities. EF will deliver another iteration of the D.2 deliverable describing the outcomes of impact related studies in August 2020 (M24).

C.2 Users and usage report M15

In November, we delivered C.2 Users and usage report to EC⁸⁹. The reports evaluates traffic, user return as well as user satisfaction on Europeana Collections. The report also highlights user research undertaken in the last few months.

⁸⁹ C.2 Users and usage report is available on the Europeana DSI-4 project page. <https://pro.europeana.eu/project/europeana-dsi-4>

Risk assessment

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

Communication and dissemination activities

Partner	Name of event	Activity	Location	Date
EF	THE ARTS+ at Frankfurt Book Fair	Speaker/Presentation of Europeana Initiative	Frankfurt, Germany	16-17/10/2019
EF	Culture Moves annual conf & Internet Festival	Speaker/Presentation of Europeana Initiative	Pisa, Italy	11/10/2019
EF	Time Machine Conference	Speaker/Presentation of Europeana Initiative	Dresden, Germany	08-11/10/2019
EF	BAAC conference	Speaker/Presentation of Europeana Initiative	Riga, Latvia	09-10/10/2019
EF	To exhibit history. Cooperation of museums with archives and libraries	Speaker/Presentation of Europeana Initiative	Munich, Germany	08-09/10/2019

Balance of efforts

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

Work package	Foreseen % of the full contract value in the tender	Year 1 ⁹⁰	Sep 19	Nov 19	Jan 20	Mar 20	May 20	Jul 20
WP1: European DSI platform	57.10%	55.78%	52.18%	50.66%				
WP2: Content supply	10.95%	10.9%	13.40%	11.57%				
WP3: Content reuse	9.69%	10.33%	10.98%	9.93%				
WP4: Communication and dissemination	8.93%	8.04%	8.21%	7.62%				
WP5: Europeana Network Association	6.44%	7.75%	7.75%	12.91%				
WP6: Impact of digitisation and reuse of cultural heritage	1.32%	1.16%	1.11%	1.59%				
7. Governance	1.96%	0.36%	0.24%	0.46%				
8. Phasing-in and phasing-out period	0.50%	0.02%	0%	0%				
9. Project and programme management	3.11%	5.66%	6.13%	5.26%				
Total	100%	100%	100%	100%				

Deviations, change requests and adjustments

No deviations and adjustments from the implementation plan (B.1 deliverable, M12).

⁹⁰ The balance of efforts is calculated per year. Numbers reflect balance of effort for the first year of Europeana DSI-4 (September 2018 - August 2019). Balance of efforts for year two will be reported on bi-monthly.

Major changes in staff, if applicable

No major changes in staff in the Europeana DSI-4 consortium.

Task 9.2. Relations with Europeana DSI Generic Services projects

Partners: EF

EF maintains regular contact with the funded Europeana DSI Generic Services (GS) projects (e.g. via Basecamp groups) and makes sure that the core service platform will be able to deliver the required services for these projects. Specific work undertaken in the reporting period is described in the respective subject areas of this report (e.g. technical developments, editorial contributions).

Overview of outcomes

Partner	Outcomes	Progress	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May
			M14	M15	M16	M17	M18	M19	M20	M21
EF	Programme coordination	Ongoing								
EF	Generic services projects meeting	100%								
EF	EuropeanaMedia ⁹¹	Ongoing								
EF	CrowdHeritage ⁹²	Ongoing								
EF	EnrichEuropeana ⁹³	Ongoing								
EF	CultureChatbot ⁹⁴	Ongoing								
EF	CultureMoves ⁹⁵	Ongoing								
EF	Sharing New Perspectives, your 3D view on Europeana ⁹⁶	Ongoing								
EF	Fifties in Europe Kaleidoscope ⁹⁷	Ongoing								
EF	Opening Up Historiana ⁹⁸	Ongoing								
EF	Judaica Europeana 2.0 ⁹⁹	Ongoing								
EF	LinBi ¹⁰⁰	Ongoing								

⁹¹ <https://pro.europeana.eu/project/europeana-media>

⁹² <https://pro.europeana.eu/project/crowd-heritage>

⁹³ <https://pro.europeana.eu/project/enrich-europeana>

⁹⁴ <https://www.jhn.ngo/culture-chatbot/>

⁹⁵ <https://www.culturemoves.eu/>

⁹⁶ <https://share3d.eu/>

⁹⁷ <https://www.photoconsortium.net/50s-in-europe-kaleidoscope/>

⁹⁸ <https://www.euroclio.eu/project/opening-up-historiana/>

⁹⁹ <https://www.jhn.ngo/judaica-europeana-20/>

¹⁰⁰ <https://linbi.eu/>

EF	Europeana Archaeology ¹⁰¹	Ongoing							
EF	Europeana Common Culture ¹⁰²	Ongoing							
EF	St. George on a bike	Ongoing							

Generic services projects meeting

On 3 and 4 October the Generic Services (GS) projects meeting was held at the Europeana offices in The Hague, The Netherlands. All running GS projects (GS2 and GS3) attended with project representatives. During the meeting the individual projects presented objectives and outcomes of the projects as well as the relation of project outcomes with Europeana DSI. EF presented recent developments for Europeana DSI (Europeana Collections, editorial strategy, APIs). Project representatives also met with EF staff in several sessions to discuss successful implementation of project outcomes on Europeana DSI (features, annotations, editorials) as well as potential collaborations (communication activities, education market).

¹⁰¹ <https://pro.europeana.eu/project/europeana-archaeology>

¹⁰² <https://pro.europeana.eu/project/europeana-common-culture>

Annex: Updates towards milestones

This section states milestones to be delivered in October (M14) and November (M15) 2019. In grey the immediate previous reached milestones (M-2) and next (M+2) are added to provide context. Explanations for the individual milestones are described in the respective sections as outcomes.

MS No.	WP/task	Description	Verification	Status
M8 - April 2019				
MS59	WP6	Impact Playbook version 2.0	Impact Playbook version 2.0 published	Delayed, Expected in Feb 20 - M18 confirmed by EC
M12 - August 2019				
MS11	WP2	Review of the data quality plans	Confirmation by WP leader	Done
MS15	WP2	Overview of new (potential and proposed) content providers per Aggregating Partner	List of new content providers available	Done
MS28	WP4	Exhibition schedule	Exhibition schedule available	Done
MS34	WP1	Updated source code on GitHub	-	Done
MS36	WP2	List of aggregator specific events	List of events available	Done
MS37	WP2	Schedule of content provider support events	List of events available	Done
MS52	WP4	3-4 Transcribathons organised	Confirmation by WP leader	Done
MS57	WP6	ENUMERATE Survey report	-	Cancelled (confirmed by EC)
MS71	WP3	60 new learning scenarios integrating Europeana resources	60 new learning scenarios available	Done
M13 - September 2019				
MS1	WP1	Change development process in place and updated	Document describing process in place	Done

MS2	WP1	Version of Metis updated	Confirmation by the PO	Done
MS4	WP2	Statistics dashboard is available to aggregators and CHIs	Confirmation by the PO	Done
MS10	WP2	Aggregators data quality work plans	Documents ready	Done
MS11	WP2	Review of the data quality plans	Documents ready	Done
MS12	WP2	Division of tiers (data quality) in Europeana DSI	-	Done ¹⁰³
MS21	WP1	API documentation published and updated	-	Done ¹⁰⁴
MS62	WP5	DCHE/Subgroup meeting	Meeting took place	Done, Nov 19 - M15
MS64	WP9	Europeana DSI-4 general assembly	Confirmation by WP leader that meeting took place	Done, Oct 19 - M15
MS78	WP4	Europeana season initiated	Confirmation by WP leader	Done
M14 - October 2019				
MS38	WP2	Europeana Aggregators' Forum meeting	Meeting took place	Done
MS42	WP3	Communication plan for the promotion of Europeana in education	Document ready	Done
M15 - November 2019				
MS17	WP1	Report on the Quality of Service of the platform	-	Done ¹⁰⁵
MS39	WP3	Meetings of the teacher ambassador network	Confirmation of the WP leader that meeting took place	Done
MS51	WP3	Europeana Research Grants Programme	Europeana Research Grants Programme published	Done
MS53	WP5	Europeana Network MC meetings	Confirmation of the WP leader that meeting took place	Done
MS54	WP5	Europeana Network AGM	Confirmation of the WP leader that meeting took place	Done
MS56	WP5	Europeana EU presidency events	Confirmation of the WP leader that meeting took place	Done

¹⁰³ Content tiers are new KPIs introduced in the Implementation plan M6 and will be reported on bi-monthly in the periodic reports.

¹⁰⁴ Application Programming Interfaces (APIs) are regularly updated based on product needs while documentation is regularly kept up-to-date on Europeana Pro and code is made available on GitHub. <https://pro.europeana.eu/resources/apis>

¹⁰⁵ EF reported and will report on the quality of services (e.g. uptime, load and response time) in the periodic reports.

M16 - December 2019				
MS13	WP2	Resolution of low quality data in tier 0	Confirmation by the WP leader	Delayed (M18 - Feb 20) (confirmed by EC)
MS23	WP1	Report on provisions to adopt user feedback, technology changes	-	Expected in time
MS43	WP3	12 Europeana source collections each year	Confirmation by WP leader	Expected in time
MS65	WP5	Satisfaction survey with ENA members	Satisfaction survey with ENA members undertaken	Expected in time
MS80	WP1	Browse functionality released	Confirmation by PO	Delayed (M18 - Feb 20) (confirmed by EC)
M17 - January 2020				
MS40	WP3	Updated MOOC (English)	Confirmation by WP leader	Expected in time
MS44	WP3	Update Teacher Training Kit	Confirmation of the WP leader	Expected in time

Annex: Progress on deliverables (M1-M24)

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

Deliverable number	Description	Due month	Status
A.1	Platform reports	Every 10 months, starting M10	M10 Delivered to EC
B.1	Implementation Plan	Every 6 months, starting M1	M1, M6, M12 Delivered to EC
B.2/B.3	Periodic reports	Every 2 months, starting M2	M2, M4, M6, M8, M10, M12, M14, M16 Delivered to EC
B.4	Annual report	Every 12 months, starting M12	M12 Delivered to EC
B.5	Final report	Last month of the contract (M24) or M36/48 in case of renewals	
C.1	Technical documentation	Every 9 months, starting M9	M9 Delivered to EC
C.2	Users and usage report	Every 5 months, starting M5	M5, M10, M15 Delivered to EC
C.3	Content supply & reuse reports	Every 10 months, starting M10	M10 Delivered to EC
C.4	Stress and disaster recovery test reports	Every 9 months, starting M9	M9 Delivered to EC
D.1	Communication and dissemination plan	Every 9 months, starting M1	M1, M9 Delivered to EC
D.2	Study on impact of digitisation and reuse of cultural heritage	October every second year, starting Y2	M14 Delivered to EC
E.1	Transfer of assets and liabilities report	Every 10 months, starting M1	M1, M10 Delivered to EC
E.2	Transfer process report	Every 10 months, starting M1	M1, M10 Delivered to EC
E.3	Employed staff report	Every 6 months, starting M1	M1, M6, M12 Delivered to EC

Annex: Glossary of terms

Formal definitions of terms used frequently are detailed in the glossary of terms¹⁰⁶ on Europeana Pro. Additional terms, are listed below.

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

¹⁰⁶ <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.