# Deployment and Maintenance of Europeana DSI core services - SMART 2016/1019

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B.2 Periodic report M12

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Revision History

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This deliverable contains original unpublished work except where clearly indicated otherwise.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

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1. Introduction

The sixth periodic report follows up on the deliverables B.2 of M2, M4, M6, M8, M10[1] and describes the work carried out in Europeana DSI-3 from 1 July 2018 until 31 August 2018. It states activities in all tasks described in the Tender, progress on KPIs, derivations and adjustments from the work plan, as well as major changes in staff (if applicable), and a risk assessment registry. The report includes an overview of the balance of efforts until the end of July 2018. At the end of the report a list on communications and dissemination activities (such as events, meetings and conferences attended along with online and offline publications), as well as on pre-existing rights to material used by Europeana DSI-3 participants is attached.

The report describes the progress of Europeana DSI-3 against the strategic objectives as specified in the Tender. Its main objectives are:

A. Discovery, use and engagement for users in defined target groups, against user feedback
B. Optimise data and aggregation infrastructure
C. Improve content distribution mechanisms
D. Improve/widen distribution channels through partnerships
E. Coordinate, sustain and grow the network of data partners and experts
F. Maintain an international interoperable licensing framework
G. Implement and develop new strategies, services and business models
H. Make necessary dispositions to host the results of the Europeana Generic Services Projects

In addition, the report states the progress on handover as part of the objectives under Europeana DSI-3.

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[1] Periodic reports - please view project documentation on the Europeana DSI-3 project page at
https://pro.europeana.eu/project/europeana-dsi-3

2. Highlights

A. **Discovery, use and engagement for users in defined target groups, against user feedback** - work under this objective is on track, no major deviations. Highlights are:

   a. The regular, planned quarterly user satisfaction survey for Europeana Collections was undertaken in August 2018. 88% of users surveyed rated Europeana Collections three out of five stars or higher, as being satisfied, very satisfied or totally satisfied with the website. Europeana Collections received a Net Promoter Score rating of 20. A NPS that is positive (e.g. higher than zero) is felt to be good while an NPS of +50 is excellent.

   b. Work towards the Europeana Newspapers thematic collection continued primarily on the storage and indexing of full-text. On the storage side and the correspondent API, the prototyping phase finished and we are now deploying the solution into a production setting. The newspaper browse functionality is code complete and now ready to be used in a production environment.

B. **Optimise data and aggregation infrastructure** - work under this objective is on track, no major deviations. Highlights are:

   a. The development of Metis as a Minimum Viable Product (MVP) is to be operationable by the end of August 2018. For now, the MVP implements Europeana's requirements and therefore targets primarily the Europeana Data Officer users.

   b. Training the trainers: NISV organised the EUscreen network meeting in Madrid in July 2018. Material from the training playbook was used during a workshop.

   c. Compared to the end of Europeana DSI-2, we now have around 4,6 million records more in Europeana Collections (August 2017 - 53,6 million; August 2018 - 58,2 million).

   d. We surpassed our Europeana Business Plan 2018 KPIs of over 40% in tier 2+ material by 8% (total tier 2+ 48%) and our goal of 20% in tier 3+ material by 3.1% (total tier 3+ 23.1%).

C. **Improve content distribution mechanisms** - work under this objective is on track, no major deviations. Highlights are:

   a. New online exhibition ['Greek song in the 19th and 20th century'](). The exhibition is based on the Music Library of Greece "Lilian Voudouri" collection and describes the evolution of Greek song from the 19th century until today, showcasing its strong connection with the late modern history of Greece.

   b. Three #EuropeanaMigration collection days in Wales, Romania, and Ireland were held during this period, adding crowd-sourced stories of migration to

the thematic collection. Overall, through the #EuropeanaMigration project, 225 crowd-sourced stories relating to migration have now been added to the thematic collection. These stories contain 400 digitised objects, relating to more than 300 people, spanning 14 decades and covering 74 countries.

D. **Improve/widen distribution channels through partnerships** - Good progress was made in all market areas and in particular the market of education. Highlights include:
   a. Education: The MOOC for teachers, "Europeana in your classroom: building 21st-century competencies with digital cultural heritage", ran from April to mid-June 2018. 2019 participants from 59 countries registered to the course. Out of these, 990 started the first module of the course. In total, 342 finished the course, which altogether means a 35% completion rate, much higher than the average 10% rate[2] for this kind of courses. Data collected via pre-course surveys (n=719) indicates that the majority of course participants were secondary school teachers (60%), and female (82%). The post-course survey results (n=271) showed that more than 95% of survey respondents rated the overall value of the course as "Good" or "Very good". More than 95% of the survey respondents also "Agreed" or "Strongly agreed" that the course has made them more confident to use digital cultural heritage in their classroom and that they would recommend this course to a colleague or friend.
   b. Creative Industries: the two challenge winners[3] finalised their products ('Wonders of the World' and 'Birdie Memory').
   c. Academic Research: The third grant winner (2017 edition) submitted his final report. The overall goal of the project was to interconnect the Venice Scholar platform with digital objects in Europeana related to the history of Venice. A new version of the Venice Scholar, with the interface components developed within this project, is accessible at http://www.venicescholar.eu/.

E. **Coordinate, sustain and grow the network of data partners and experts** - The Europeana Network Association continues to operate with a dedicated Management Board and Members Council. Highlights include:
   a. Six Europeana Network communities/special interest groups were officially launched and operationalised at the Members Council meeting in July: Europeana Tech, Europeana Impact, Europeana Copyright, Europeana Research, Europeana Education, and Europeana Communicators group.

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[2] Jordan, K. (2014). Initial trends in enrolment and completion of massive open online courses. The International Review of Research in Open and Distributed Learning, 15(1). doi:http://dx.doi.org/10.19173/irrodl.v15i1.1651

[3] Europeana #edTech Challenge: winners announced. View at https://pro.europeana.eu/post/europeana-edtech-challenge-winners-announced

F. **Maintain an international interoperable licensing framework -** work under this objective is progressing well, no major deviations. Highlights are:
   a. EF and KL concluded the review of the Data Exchange Agreement (DEA)[4] of the Europeana Licensing Framework. The agreement structures the relationship between EF and data providers.

G. **Implement and develop new strategies, services and business models** - work under this objective is on track, no major deviations. Highlights are:
   a. Five cases studies continue to be developed using the impact playbook under the guidance of EF. These, together with five case studies identified through research and surveys undertaken by DEN, have been analysed by EF and DEN. This analysis is used as the basis for developing deliverable D.1 Study on impact of digitisation and reuse of cultural heritage[5], submitted in August 2018.

H. **Make necessary dispositions to host the results of the Europeana Generic Services Projects** - work under this objective is on track, no major deviations. Highlights are:
   a. Migration in the Arts and Sciences: Partners in the project continue to digitise material with a view to ingest these to Europeana. The first newly digitised objects from this project were published on Europeana. National Library of Lithuania (NLL) provided 377 records relating to Lithuanian emigre Aleksandro Račkaus[6].
   b. Rise of Literacy: Two end-user blogs by partners were published, one blog on the different formats of newspapers by our partners from the Berlin State Library (A Variety of Newspaper Formats, August 2018[7]) and one on banned books by our Italian partners OVI (Book Censorship and Banned Books: the Index Librorum Prohibitorum, August 2018[8]).
   c. Byzantine Art and Archeology: EF advised BYZART project leaders on signing the Data Exchange Agreements with new data providers outside of the BYZART consortium. BYZART also presented its data endpoint to EF, ahead of future ingestion via Metis.

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[4] Data Exchange Agreement. View at https://pro.europeana.eu/page/the-data-exchange-agreement
[5] Deliverables can be found on the Europeana DSI-3 project page in the section project documentation. View at https://pro.europeana.eu/project/europeana-dsi-3
[6] Records relating to Lithuanian emigre Aleksandro Račkaus. View at https://www.europeana.eu/portal/en/search?f%5BDATA_PROVIDER%5D%5B%5D=Lietuvos+nacionalin%C4%97+Martyno+Ma%C5%BEvydo+biblioteka+%2F+Martynas+Ma%C5%BEvydas+National+Library+of+Lithuania&locale=en&page=1&per_page=96&q=migration&view=grid
[7] A Variety of Newspaper Formats. View at http://blog.europeana.eu/2018/08/a-variety-of-newspaper-formats/
[8] Book Censorship and Banned Books: the Index Librorum Prohibitorum, August 2018. View at http://blog.europeana.eu/2018/08/book-censorship-and-banned-books-the-index-librorum-prohibitorum/

3. Progress against objectives

A. Discovery, use and engagement for users in defined target groups, against user feedback

Market approach

The revised Europeana 2020 Strategy[9] positions Europeana to operate in five target groups (markets):

1. Cultural Heritage Institutions,
2. European Citizens,
3. Education,
4. Academic Research,
5. Creative Industries.

Each market has a user interface: Europeana Collections[10] and Europeana thematic collections[11] for European Citizens; Europeana Pro[12] for Cultural Heritage Institutions (CHIs); Europeana Labs[13] (as part of Europeana Pro) for Creative Industries; Europeana Research[14] (as part of Europeana Pro) for Academic Research; and Europeana Education[15] (as part of Europeana Pro) for Education.

Products and platform development and maintenance

Europeana DSI-3 operates, maintains and further develops the Europeana Platform and its products, the Europeana metadata repository, Europeana APIs, Europeana Collections and Europeana thematic collections, as well as Europeana Pro.

Product Roadmap

Each product has a development roadmap. All product roadmaps are prioritised based on the strategic goals set out in the Tender. The current roadmap can be viewed following the link in the footnote[16]. (Tender, task 1.1 Product Roadmap agreement on prioritisation and re-prioritisation) The Newspapers thematic collection and Metis are the priority releases for Europeana DSI-3. We are on track to release Metis as MVP. We postponed the release of

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[9] Europeana Strategy 2015-2020. View at http://strategy2020.europeana.eu/update/
[10] Europeana Collections. View at https://www.europeana.eu/portal/en
[11] Europeana thematic collections. View at https://pro.europeana.eu/services/discovery/thematic-collections
[12] Europeana Pro.View at https://pro.europeana.eu/
[13] Europeana Labs. View at https://pro.europeana.eu/what-we-do/creative-industries
[14] Europeana Research. View at https://pro.europeana.eu/what-we-do/academic-research
[15] Europeana Education. View at https://pro.europeana.eu/what-we-do/education
[16] Europeana product roadmap. View at
https://docs.google.com/spreadsheets/d/15vCztIfI0qH8hjNSIMzhxl9GiuSBQ_twE8ZUxJYU4R8/edit?usp=sharing

the Newspaper Collection to December 2018 to have more time to finalise the full text search functionality. As part of this release we will also release the new item page and browse pages. These releases will facilitate a continues browse experience for the user and promote the discovery of items based on subjects.

To maintain and develop the Europeana platform EF has several product teams. All product teams are working with the planning tool Jira to which access is made available to Commission experts. All backlogs are groomed and prioritised in Jira. In this reporting period, we worked on the development of the oEmbed service on Europeana Collections which is almost finalised. We also worked on the item page and the browse pages for the release of the newspaper collection. The API team assisted with the migration of data and worked on the full-text search functionality for the Newspapers Collection. All teams are preparing the release roadmap for Europeana DSI-4 year one. (Tender, task 1.2. Maintenance of the backlog) Further description of activities performed in this reporting period related to the individual products can be found on the next pages.

Europeana Collections[17] and Europeana thematic collections[18]

EF looks to improve performance and user experience (UX), refine and optimise features (e.g. search, entity browse, item display) and components (e.g. galleries, user content contributions) of Europeana Collections and thematic collections. (Tender, task 1.8. Maintenance of Scrum teams to deliver the product roadmap, task 3.2.1 Publish Europeana Collections for end-users)

Primary development focus are the Europeana Newspapers thematic collection and the new item page, intended to be released together.

The item page (in combination with the rest of the portal) is undergoing significant improvements in how we retrieve JS/CSS assets in order to make the site operate faster. The functionality is being refined while the item page is assessed by the UX team.

Background work includes bug fixes and smaller feature improvements. One of these include a tool to help identify why content may not be working on the item page, by providing diagnostics from the Media Proxy. Other smaller fixes include improvements to both the Collections Portal and the UGC Contribute platform.

Europeana Newspapers
EF and INESC-ID worked on the Newspapers API which will adopt the IIIF specifications for the display and search of newspapers items with full-text content, a differentiating aspect from the existing Europeana APIs (Tender, task 1.8. Maintenance of Scrum teams to deliver the product roadmap). In this reporting period, we continued the work on developing the

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[17] Europeana Collections. View at https://www.europeana.eu/portal/en
[18] Europeana thematic collections. View at https://pro.europeana.eu/services/discovery/thematic-collections

search engine for Newspapers metadata and full text. On the storage side and the correspondent API, the prototyping phase finished and we are now deploying the solution into a production setting. The newspaper browse functionality is also code complete and now ready to be used in a production environment.

Europeana Pro (including Europeana Education, Europeana Research, Europeana Labs)

EF maintains Europeana Pro as the principal access point for our reuser markets (Education, Academic Research, Creative Industries) and CHIs. (Tender, task 1.8. Maintenance of Scrum teams to deliver the product roadmap) In this period, we fixed a major bug that was interfering with the saving functionality of the website. This required an investigation phase and we added the "who is editing" functionality to the admin interface which will alert editors if someone else is editing the page at the same time. The Europeana Pro team is also working on the new narrative for the website that will clearly explain why Europeana exists and for who and what value we bring to our target markets.

APIs development and maintenance

Focus in Europeana DSI-3 is to refine, optimise (usability, performance, resilience) and stabilise the existing API endpoints and the technical operations and management of all APIs as well as their documentation. (Tender, ask 1.8. Maintenance of Scrum teams to deliver the product roadmap)

In this period, EF and USFD worked on the migration from both Solr 4.4 to Solr 6.6 and MongoDB 3.0 to 3.6 (in the new environments hosted by PSNC) which are behind the main API (Search & Record). While performing the migration several bug fixes and improvements were made that positively affected other APIs such as OAI-PMH. Once the Metis migration is over, we will move forward with replacing the current OAI-PMH service with the new version.

The Organisations support on the Entity API together with the User Sets API are now ready and are being deployed into a production setting.

In July, we had (and prepared) a meeting to give input to a consultancy to guide the eTranslation CEF to provide language technology to other DSIs (coordinated by Crosslang).

Product testing and analysis of user feedback

EF tested products against user expectations and needs using methods such as satisfaction surveys, log analysis ect. (Tender, task 1.3. Product testing; task 3.2.4 Analysis of results and user feedback). Currently, we are designing a holistic approach for conducting and following up on user research. We focus on collecting base metrics for all our services. We will complement those with aspirational metrics to measure the impact of our activities.

The regular, planned quarterly user satisfaction survey for Europeana Collections was undertaken in August 2018. 88% of users surveyed rated Europeana Collections ⅗ or higher. Europeana Collections received a Net Promoter Score rating of 20. A NPS that is positive (e.g. higher than zero) is felt to be good while an NPS of +50 is excellent[19].

During this period one new exhibitions was published 'Greek song in the 19th and 20th century'[20]. After each exhibition is published, Net Promoter Scores (NPS) and comments are gathered via an online survey until at least 100 responses have been received. Please see table below for detailed figures.

Online exhibition	Net Promoter Score (17.08.18)	Number of respondents (17.08.18)
Tricks of the Trade	28	47
Les Couturiers	54	80
Greek song in the 19th and 20th century	44	9

Our user testing and logging activities over the past three months are further reported on in deliverables C.2 Usage pattern reports (updated August 2018), Data access pattern reports (updated August 2018) and C.5 Reports on suggestions for improvements received (updated June 2018).[21]

Search engine development and maintenance

In this reporting period, EF and USFD investigated the improvement of our search technologies by undertaking the following activities: (Tender, task 1.5. Research and Development of entity based and log analyses based search technologies)

Correlating explicit and implicit data for user motivation: we analysed query logs and user feedback gathered in the task-based evaluation in Europeana DSI-2 to identify correlations between user behaviour and their satisfaction with Europeana. These correlations were computed and analysed across all tasks (e.g., fact-finding task, information gathering tasks, and exploratory task), and for each task. We were able to identify some metrics that correlate with user satisfaction, however they vary differently depending on the tasks that the users carry out. When computed across all tasks in general, we found weaker correlation between these explicit and implicit metrics. Findings are reported on in the

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[19] Net Promoter. View at https://en.wikipedia.org/wiki/Net_Promoter
[20] Greek song in the 19th and 20th century. View at
https://www.europeana.eu/portal/en/exhibitions/greek-song-in-the-19th-and-20th-century
[21] Deliverables C.2, C.3 and C.5. Please view project documentation on the project page at
https://pro.europeana.eu/project/europeana-dsi-3

document 'Correlation between users' search behaviours and their satisfaction in Europeana[22]' and are included in the next iteration of deliverable C.2 Usage pattern report, submitted in August 2018[23].

We also dedicated efforts to align (and give input from the perspective of) evaluations of search as performed in Europeana DSI-2 and DSI-3 with coming (design-focused) tests from the EF product design team.

A paper on the Entity Collection 'Designing a Multilingual Knowledge Graph as a Service for Cultural Heritage – Some Challenges and Solutions[24]' was submitted and accepted for publication at the coming Dublin Core conference.

Maintain, improve and extend the Europeana Data Model (EDM)

EF and INESC-ID work to match the needs for the Entity Collection, semantic enrichment, and the results of the Data Quality Committee to help providers deliver better data. We also continue data modelling work to map between EDM and other relevant models (i.e. Schema.org). (Tender, task 1.6. Maintain, improve and extend the Europeana Data Model based on community input and product development needs)

In this reporting period, we continued work in the EDM Governance Task Force[25]. We completed a second iteration of the EDM profile for (full-text of) newspapers[26] while progress was made on ingestion of newspaper metadata and content. We also started to refine the EDM profile for collections and user sets to be used for Galleries on the Europeana Collections portal. Finally, we revised our mapping from EDM to Schema.org for publication of Schema.org on Europeana Collections to improve its visibility for search engines.

Europeana Infrastructure

The production environment for the Metis data repository (MongoDB and Solr) was set up and configured. A new dedicated test and production environment was created to host the Newspapers collection's data. Review and Consolidation of network firewall rules is ongoing. All the servers were upgraded with the latest security patches. (Tender, task 1.8. Maintenance of Scrum teams to deliver the product roadmap)

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[22] Correlation between users' search behaviours and their satisfaction in Europeana. View at https://docs.google.com/document/d/1IxiHy6ZzxAIikpE-oBVE2-EMDi1Ae55hl5EPBxaExVQ/
[23] Usage pattern report, C.2 deliverable. View at project page in the section project documentation. View at https://pro.europeana.eu/project/europeana-dsi-3
[24] Designing a Multilingual Knowledge Graph as a Service for Cultural Heritage – Some Challenges and Solutions. View at http://dublincore.org/conference/2018/abstracts/#559
[25] Creation and Governance of EDM mappings, profiles and extensions. View at https://pro.europeana.eu/project/creation-and-governance-of-edm-mappings-profiles-and-extensions-task-force
[26] Enhancing EDM to represent digital content for newspapers. View at https://docs.google.com/document/d/1t5yGEzQ0KV2rqU0sFDoKnI2bIDBGrmj0f1gSOCRUgJ4/edit

Europeana Cloud Infrastructure and IIIF Image service

The setting-up of the Metis production environment was finalised. The eCloud infrastructure went through a series of improvements to prevent load or memory leaks issues. The team also made preparations and run the migration of the Europeana Data storage to PSNC. The migration strategy uses directly Metis, which provides a good test case of the production environment, but it bypasses some of the workflow steps used for data aggregation (only OAI-PMH based data harvest and indexing is performed during the migration). Additional development tasks were also required to make the migration possible. The migration of the data is still ongoing.

B. Optimise data and aggregation infrastructure

EF and PSNC worked on the improvement of aggregation technologies to optimise the aggregation infrastructure. Europeana DSI-3 aggregating partners (2Culture, ACE, AIT-Graz, APEF, AthenaRC, BL, DIF, eFashion, MCA, NISV, NTUA, Photocons) continued to improve systems and processes that bring in the content to get higher quality content uploaded (e.g. improvement of the aggregation landscape). EF and aggregating partners also worked on improving content and metadata quality (i.e. by implementing the Europeana Content Strategy[27] and Europeana Publishing Framework[28]).

Enhancing the data and aggregation infrastructure

Aggregation and data acquisition technologies

EF and PSNC maintained and improved the data ingestion and management services to enable data partners and cultural heritage institutions to provide metadata of cultural heritage objects to Europeana. EF and PSNC started to introduce a new aggregation service 'Metis', for greater automation of data publication flows and incremental harvesting and publication. The work focuses on delivering Metis as a Minimum Viable Product (MVP) for August 2018. For now, the MVP implements Europeana requirements and therefore targets primarily Europeana Data Officer users. (Tender, task 1.7. Improve the aggregation tools, task 1.8. Maintenance of Scrum teams to deliver the product roadmap)

In this reporting period, the setting-up of the Metis production environment was finalised with the configuration of the production of Mongo and Solr clusters. The Metis team also worked on solving remaining issues or bugs in the Metis back-end and front-end detected as part of the now daily tests runs. The Deutsche Nationalbibliothek (DNB) contributed to these tests. Here are the conclusion from theses tests and recommendations:

- 'The overall concept of METIS, which is dataset centered, contributes to a cohesive dataset management and delivery. It increases efficiency by making the data

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[27] Europeana Content Strategy. View at https://pro.europeana.eu/post/europeana-content-strategy
[28] Europeana Publishing Framework. View at https://pro.europeana.eu/post/publishing-framework

ingestion and updates faster, thus improving the aggregation process. The workflow runs smoothly and is mostly user friendly - the user can instinctively use the tool's features to harvest, analyze, transform, enrich, normalize and preview data. However, the parameters that the system requires in order to harvest and validate data need to be more flexible in order to accommodate the great diversity of datasets that will be further harmonized through mapping, enrichment and normalizing. Using the mapping script to map the data gives the tool and the process a manual dimension that should/could be automatized in the future.

- The ingestion tool used by the DDB is more organisation-centered, allowing an efficient management of organisations and data sets. A registration component for organisations allows for standardised administrative metadata, and provides each institution with an internal ID in order to avoid organisation duplicates. An internal system to manage internal IDs for organisations would also help Europeana avoid duplications.
- By using external services, which supplement the METIS functionality (esp. Data Checker REST API for Europeana), the data can be visualised in an Europeana environment. This allows the aggregator to map the metadata only once before delivering it to Europeana. The loss of metadata would be minimised, contributing to an overall increase of metadata quality. However, this feature is still to be tested by the DDB.'

Most of the Metis team resources were dedicated to the migration of the Europeana data to the new data storage at PSNC via Metis. Migrating the data is a necessary step before starting using Metis for data operations in production. The team run several migration proof of concepts which enable the detection of issues preventing a smooth migration. After all the issues were solved, the team started migrating the data per batches (end of July 2018). All the Europeana data are harvested from the Europeana OAI in Metis and then indexed.

Research and Development of innovative aggregation and data acquisition technologies

INESC-ID and EF worked on new channels for discovering and harvesting the (contextual) metadata Europeana needs to ingest (i.e. harvesting metadata through web sites such as ResourceSync[29] or Schema.org[30] markup and content publication channels IIIF or APIs). (Tender, task 1.4. Research and Development of innovative aggregation and data acquisition technologies)

INESC-ID and EF continued to provide feedback on the ongoing specification for the ActivityStream-based solution developed in the context of the IIIF Discovery group.

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[29] ResourceSync Framework Specification. View at http://www.openarchives.org/rs/toc
[30] Schema.org. View at http://schema.org/

The case study with Netwerk Digitaal Erfgoed (NDE) and the Koninklijke Bibliotheek (KB) on LOD and Schema.org harvesting was finalized. The LOD dataset from the KB, in Schema.org, was harvested according to the specifications of LOD datasets to Europeana. The KB dataset was converted to EDM and tested for conformance against the Europeana requirements. The resulting EDM data was sent to the Europeana team working on the ingestion of EDM. The pilot tested the whole LOD aggregation process from the initial data provision, until the final step of the ingestion into Europeana.

The LOD pilot with the CEMEC project, was paused by CEMEC, in order to finalise other project tasks. It is expected that the pilot will be continued during the last quarter of 2018.

INESC-ID started working towards technology adoption by Europeana. The earlier experimental prototypes from Europeana DSI-2 were consolidated into proof-of-concept implementations that are now available for demonstration in our 'Data Aggregation Lab[31]' (DAL). The tools implemented for Schema.org and LOD are also available in DAL. The IIIF Change Discovery reference implementation[32], which was done in the previous period,was integrated into DAL. We also discussed this technology with the Metis team.

Aggregation model

EF and 2Culture, ACE, AIT-Graz, APEF, AthenaRC, BL, DIF, eFashion, MCA, NISV, NTUA, Photocons, and PSNC continued improving the aggregation model (Tender, task 2.2 Improve the aggregation model). In this reporting period, we invested in the implementation of the recommendations of the white paper 'A new landscape for Aggregation'. One of the recommendation is to develop an advocacy campaign to support the discussions for dedicated funding for aggregators under the next Multiannual Financial Framework. The preparation of an advocacy campaign is underway with all participants of that task contributing to. A meeting took place end of July to kick-off the work of a task force. Another recommendation is to work on an accreditation scheme for aggregators. EF, AIT-Graz, DIF, Photocons, eFashion and other aggregators participated in a workshop in May 2018 to develop the accreditation scheme further. A two-page document was drafted and reviewed after this workshop by the group, and was shared with the Europeana Aggregators' Forum in early July.

Helpdesk services and expert hubs

EF and aggregation partners (2Culture, ACE, AIT-Graz, APEF, AthenaRC, BL, DIF, eFashion, MCA, NISV, NTUA, Photocons) continued to develop expert hub strategies to provide greater individual and domain specific support for CHIs. (Tender, task 2.3 Greater individual and domain specific support; task 2.3.1 Individual and domain specific support for cultural institutions)

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[31] Data Aggregation Lab. View at https://github.com/nfreire/data-aggregation-lab
[32] IIIF Change Discovery reference implementation. View at https://github.com/nfreire/iiif-discovery-crawling

In this reporting period, eFashion, NISV, AIT-Graz, 2Culture, and Photocons provided general help desk activities through e.g. dedicated Basecamp groups, online documentation and training, and MINT. All partners under this activity communicated and worked with Europeana to prepare updates and revision of datasets. eFashion has updated the internal mapping form EDM-fp to EDM. The Version 2.0.6 of the CARARE metadata schema was made available as an XSD in this reporting period. The mapping of the CARARE schema to EDM has been updated to reflect the changes. Work is in progress on Version 3.0 of the CARARE metadata schema to increase the support for Linked Data. DIF (EFG) work on the preparation, coordination and quality checking of data cleaning and data ingestion activities in cooperation with the technical subcontractor. A full list of activities so far performed in Europeana DSI-3 in regard to helpdesk and expertise under the project is provided in [Annex I: Helpdesk services and expert hubs](#).

Training the trainers

Partners were involved in a number of activities related to training. AIT-Graz (OpenUp!) updated training and information resources at the OpenUp! Website. NISV organised the EUscreen network meeting[33] in Madrid from 5 to 6 July. Material from the training playbook was used during a workshop. At the "Archaeology and Architecture in Europeana" conference (20 June 2018), a presentation by an CARARE representative explained the metadata schema, the benefits of contextual metadata, and supporting linkages between related items of content given the dynamic nature of the archaeological and architectural heritage. Photocons published on its website information and training materials including a section dedicated to Europeana[34].

EF concluded the first series of five national workshops in 2018 with an internal lessons learned report to start preparing for more national workshops in autumn 2018. The first of these workshops is planned for mid November in Slovenia and the agenda is under development. (Tender, task 2.6 Training the trainers)

Improving metadata and content quality

EF maintains a team dedicated to updating and ingesting data into the platform, and advising consortium partners, national aggregators and other direct contributors. (Tender, task 2.1 Ingestion of content)

Compared to the end of Europeana DSI-2, we now have around 4,6 million records more in Europeana Collections (August 2017 - 53,6 million; August 2018 - 58,2 million). This increase is due to many new collections being submitted by aggregators between May and July. The largest of these submissions came from AIT-Graz (OpenUp!) with about 5 million high

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[33] EUscreen network meeting. View at
http://blog.euscreen.eu/2018/07/audiovisual-heritage-in-education-and-beyond-the-annual-euscreen-network-meeting/
[34] Digitisation & data. View at http://www.photoconsortium.net/digitization-data/

quality (tier 4) data. Publishing this amount of data started in June and was completed in July. Also the other DSI aggregating partners were active in providing updates towards the completion of the work scheduled for Europeana DSI-3: CARARE (2Culture, Athena RC), EFG (DIF), EUscreen (NISV), Europeana Fashion, Europeana Sounds (BL), OpenUp! (AIT-Graz), Museu (MCA), and Photocons. EF also published updates and new data from national aggregators from Belgium, Greece, Hungary, Slovenia, Spain, Sweden, and The Netherlands.

Amount of records between September 2017 and August 2018
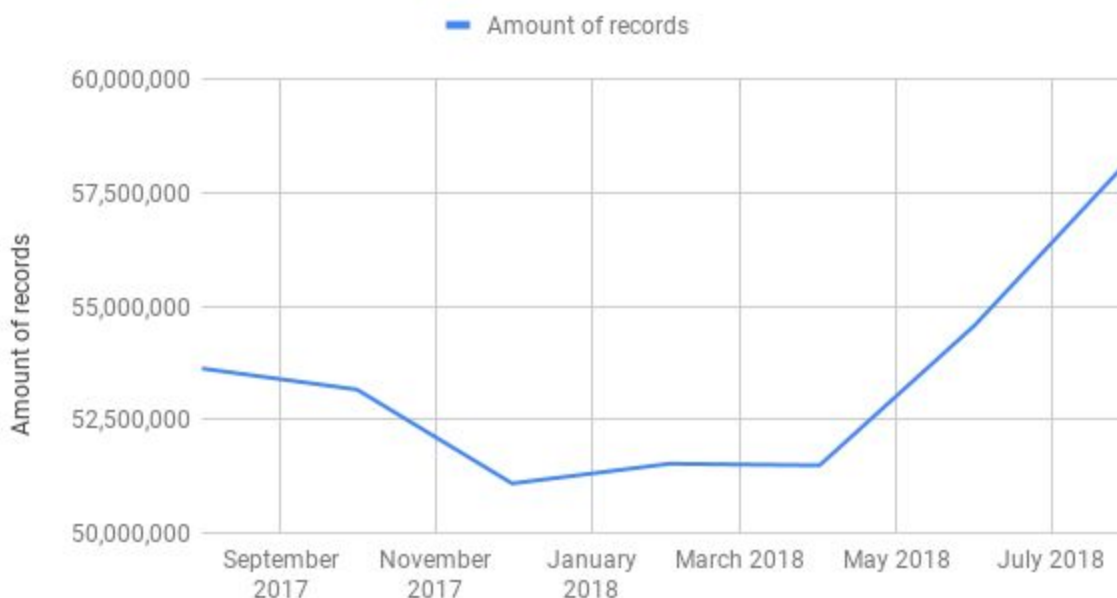
Fig.: Developments of amount of records on Europeana Collections. Due to significant clean-up work in the database, e.g. removal of collections with broken links we had a reduction in the amount of records since the project start until May 2018.

Together with the aggregating partners (2Culture, ACE, AIT-Graz, APEF, AthenaRC, BL, DIF, eFashion, MCA, NISV, NTUA, Photocons), EF worked on data quality improvements. (Tender, task 2.3.2 Data quality improvement)

The increase of the percentage of tier 3 and 4 material is one KPI of Europeana DSI-3. It is still a challenge to measure tier progress consistently and regularly due to technical issues. With the launch of Metis including a new media service we expect these issues to be solved over the next few months. However, progress to date is very positive. We surpassed our goal of over 40% in tier 2+ material by 8% (total tier 2+ 48%) and our goal of 20% in tier 3+ material by 3.1% (total tier 3+ 23.1%). Since the start of Europeana DSI-3 non EPF compliant material declined by 9%. The biggest contribution of tier 4 material came in from Naturalis

Biodiversity Center via OpenUp![35] (AIT-Graz), adding more than five million records with tier 4 compliant content. A big contribution to the increase in tier 2+ material (and decrease of non EPF complaint material) comes from the update of a lot of newspaper content in preparation for the launch of Europeana Newspaper. A lot of the newspaper content now comes with IIIF resources making it directly accessible on Europeana Collections. Also the update of the collections from Bibliothèque nationale de France (BnF)[36] moved many items from tier 1 to tier 2 (1,5 million items). Updating the collections from FotoMarburg via Museu[37] moved several thousand records (370,000 items) from not EPF compliant material to tier 2. Depublishing collections with broken links also helped to decrease non EPF compliant collections.

The end of Europeana DSI-3 finalises the work of EF with all participants of this task on the objectives specified in the aggregator specific data quality plans. We conclude that this set up of the data quality plans worked well to approach data quality improvements in a structured way. Based on the discovery scenarios developed by the Data Quality Committee[38], general objectives were derived applicable to all aggregators. However, the targets for each objective were different and specific to the aggregator. A challenge that was identified is to find a good mix between an ambitious plan that is still realistic without to many dependencies that cannot be influenced directly by the aggregator. This is one lesson learned we have to take into account for Europeana DSI-4, where we will continue to work with aggregator specific data quality plans.

As an outcome, we have seen improvements of the content submitted by the aggregating partners, but also of the metadata, which was the main focus of the objectives in the data quality plan. A detailed overview on the implementation of the data quality plans for Europeana DSI-3 per partner is provided in Annex II: Data quality improvements. The work with the data quality plans has also influenced the work on the metadata component of the Europeana Publishing Framework. Both are based on the same discovery scenarios.

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[35] Naturalis Biodiversity Center via OpenUp! On Europeana Collections. View at
https://www.europeana.eu/portal/en/search?f%5BDATA_PROVIDER%5D%5B%5D=Naturalis+Biodiversity+Center&view=grid
[36] Collections from BnF. View at
https://www.europeana.eu/portal/en/search?f%5BDATA_PROVIDER%5D%5B%5D=Biblioth%C3%A8que+nationale+de+France&page=80&q=sv_dcterms_conformsTo%3A%2Aiiif%2A&view=grid
[37] FotoMarburg via Museu. View at
https://www.europeana.eu/portal/en/search?f%5BDATA_PROVIDER%5D%5B%5D=Bildarchiv+Foto+Marburg&f%5BPROVIDER%5D%5B%5D=Museu&view=grid
[38] Discovery scenarios developed by the Data Quality Committee. View at
https://pro.europeana.eu/project/data-quality-committee#discovery-user-scenarios

Europeana Publishing Framework[39] and Publishing Guide[40]

EF updates the Europeana Publishing Framework (EPF) and Publishing Guide to clarify technical requirements for material to be ingested to Europeana. (Tender, task 2.5 Update the Europeana Publishing Framework)

In this reporting period, we concluded the work on the proposal for the metadata component of the Europeana Publishing Framework. This proposal was discussed and reviewed over the last months with members of the Data Quality Committee, including 2Culture, APEF, BL, DIF, eFashion, Photocons, and AIT-Graz. A 2-page summary of the concept for the amendment of the Europeana Publishing Framework (including metadata requirements) was prepared and reviewed and was finalised to be published end of August or early September.

The principle behind the metadata tiers (as with the content tiers) is 'the more you give, the more you get'. The richer and more well-structured the metadata, the more likely it is that the material will be returned in search results. Adding information about subjects, places, people and time-spans means more people will find, see, share and use it. And adding information about which language the metadata uses will mean we can help the material to show up even if someone is searching in a different language.

Europeana content strategy[41]

With an emphasis on quality over quantity, EF together with aggregators, identify new collections of high quality and partners for publication in Europeana to support the current and upcoming thematic collections. (Tender, task 2.4 Implement Europeana's content strategy)

Participants in this task are regularly approaching potential new partners (but also existing partners) to discuss new submissions of data compliant to the Europeana Content Strategy and Publishing Framework. This sometimes goes beyond individual institutions, e.g. MCA is in discussion with the French Ministry of Culture on a digital strategy for non national museums. Discussions are also underway with AIT-Graz on an OpenUp! Content strategy. eFashion is still working on an internal campaign to adopt new licenses that could allow partial re-use. NISV was informing about and promoting the importance of data quality and Europeana Migration to the participants of the EUscreen network meeting in Madrid (July 2018).

2Culture is continuously discussing with EF the preparation of an archaeology thematic collection. 2Culture organised the annual "Archaeology and Architecture in Europeana"

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[39] Europeana Publishing Framework. View at https://pro.europeana.eu/post/publishing-framework
[40] Europeana Publishing Guide. View at https://pro.europeana.eu/post/publication-policy
[41] Europeana Content Strategy. View at https://pro.europeana.eu/post/europeana-content-strategy

workshop, held in Lund (Sweden) on 20th June. The workshop was well attended by data partners, researchers and companies with an interest in providing and re-using archaeology and architecture content in Europeana.

C. Improve content distribution mechanisms

EF works on improving content distribution mechanisms by enhancing access to data and tools that enable content reuse (i.e. integration of the Europeana API on external platforms). EF, F&F, eFashion, BL, Photocons, and SPK curate and market services (i.e. Europeana thematic collections) to our end-users (European Citizen market) to engage our audiences and to promote reuse of high quality content.

Improving access to data and tools that enable content reuse

Europeana REST API Usage Statistics

Since January 2017, EF has collected monthly usage statistics for the Europeana REST API. From these statistics we derived two metrics: 1) Number of API keys that exceeded the average of 5 calls a day; 2) Number of API keys that were active for more than 5 days in each month.

Period	Number of API keys that…	
	exceeded the average of 5 calls a day	**were active for more than 5 days in each month**
September 2017	75	83
October 2017	76	74
November 2017	Not available (due to technical problems resulting from the migration to the new hosting provider)	
December 2017		
January 2018	71	68
February 2018	87	81
March 2018	65	66
April 2018	62	64
May 2018	70	76
June	65	62
July	64	61

Curation and Marketing of Europeana content to end-users

EF makes use of social media to reach out to end-users and to share cultural heritage material with end-users (European citizens market). (Tender, task 3.2 Reach out to markets and audiences, task task 3.2.1 Publish Europeana Collections to end-users, task 4.1.4. Communication to European Citizens) Ongoing social media activities reflected key tactics such as tapping into wider social conversations and themes for resonance and reach (i.e. following popular hashtags on Twitter such as #MuseumSelfieDay).

Activities that aimed to curate and market Europeana content to end-users included:

- Monthly newsletter[42] in two languages (French, English) reaching about 52,000 subscribers (e.g. August 2018 newsletter[43]);
- Monthly, cover image voting following social media voting polls while the winning artwork was shown for one month as banner image on social media and Europeana Collections;
- Regular posts on Twitter with content relevant to popular and trending hashtags (e.g. #MuseumSelfieDay);
- Regular blog posts to raise awareness of high quality content published in Europeana (e.g. Love across borders: the royal families, June 2018[44]), or other themes. All blogs can be viewed on Europeana[45].
- Regular galleries published to highlight and promote content from Europeana Collections and thematic collections (e.g. Children Reading[46])

This period was dedicated to publish editorials relating to the Europeana Migration campaign and the 1914-1918 Centenary campaign. This period also saw the first editorials published by partners in the Rise of Literacy Generic Services project. During this period, 12 blogs (e.g. A Variety of Newspaper Formats[47], August 2018) and seven 7 galleries (e.g. Journeys of migration[48]) were published.

EF also engaged in social media activities related to the 2018 World Cup by linking content to this popular event, allowing Europeana to reach out to a wider public audience. The World Cup of Art (starting from 30/6), an online game in which people voted for the artworks (found on Europeana) related to countries playing in the Football World Cup, took place on the same day as the football game was playing. The game attracted more than

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[42] Europeana newsletters. View at
http://us3.campaign-archive.com/home/?u=ad318b7566f97eccc895e014e&id=1d4f51a117
[43]August 2018 newsletter. View at
https://mailchi.mp/2f997a389d8c/text-announcement-in-manuscripts-and-early-printed-books-518821
[44] Love across borders: the royal families, June 2018. View at
http://blog.europeana.eu/2018/06/love-across-borders-the-royal-families/
[45] Europeana blogs. View at http://blog.europeana.eu/
[46] Gallery on Children Reading. View at https://www.europeana.eu/portal/en/explore/galleries/children-reading
[47] A Variety of Newspaper Formats. View at http://blog.europeana.eu/2018/08/a-variety-of-newspaper-formats/
[48] Journeys of migration. View at https://www.europeana.eu/portal/en/explore/galleries/journeys-of-migration

2,300 visits.

Latest posts can be seen on Europeana's Facebook[49], Twitter[50], and Pinterest[51] accounts. Below is a short overview, illustrating the increase of social media followers/fans on these channels.

Social Media channel	Jul 17	Oct 17	Dec 17	Jan 18	Apr 18	Jun 18	Aug 18
Facebook	101,6K fans	104,3K fans	104,8K fans	106K fans	106,2K fans	106,4K fans	106,6K fans
Twitter	29,1K followers	29,9K followers	30,6K followers	31,4K followers	31,9K followers	32,4K followers	32,8K followers
Pinterest	11,1K followers	11,4K followers	11,5K followers	11,7K followers	11,9K followers	12K followers	12,5K followers

Europeana thematic collections

EF, F&F, eFashion, BL, Photocons, and SPK publish Europeana thematic collections (Tender, task 3.2.2 Publish Europeana thematic collections).

Following the Collections Forum in January and based on ongoing conversations with partners we restructured and improved the editorial calendar to make it more user friendly. The improved editorial calendar is now in use both by EF and curating partners to schedule editorials efficiently. (Tender, task 3.2.3 Europeana thematic collections forum)

EF (Europeana Art, Europeana 1914-1918) and partners eFashion (Europeana Fashion), BL (Europeana Music), and Photocons (Europeana Photography) updated and curated their respective thematic collections for end-users to facilitate content discovery and user engagement. (Tender, task 3.2.2 Publish Europeana thematic collections) EF also promoted activities via Europeana's general social media channels as well as on dedicated channels for 1914-1918, Fashion, Music and Newspapers. A detailed description of activities performed related to each thematic collection can be found below.

Europeana Art[52] (EF)
- New galleries (e.g. Vilhelm Hammershøi[53]) on Europeana Collections.[54]

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[49] Europeana on Facebook.View at https://www.facebook.com/Europeana/
[50] Europeana on Twitter. View at https://twitter.com/Europeanaeu
[51] Europeana on Pinterest. View at https://nl.pinterest.com/europeana/pins/
[52] Europeana Art. View at https://www.europeana.eu/portal/en/collections/art
[53] Gallery on Vilhelm Hammershøi. View at
https://www.europeana.eu/portal/en/explore/galleries/vilhelm-hammershoi

- New blog post on open culture (e.g. Museums in the Digital Age: Opening up at Birmingham Museums Trust, August 2018[55], following the recent announcement that Birmingham Museums Trust is embracing open access with CC0 license in the Pro blog series 'Museums in the Digital Age'.)
- Publishing of new hero image for the Europeana Art homepage every month.

EF promoted Europeana Art activities on the Europeana Collections page, on Europeana Art and through EF's social media channels (Facebook, Twitter e.g. International Beer Day[56]).

Europeana 1914-1918[57] (EF and F&F)
- New Blog post (e.g. The Belgian Exodus of World War One, August 2018[58]).
- Monthly, new hero image.
- New galleries (e.g. 1914-1918: Czech Republic[59]).

The [Europeana 1914-1918 Centenary Tour](#)[60] continued with highlighting content from the Czech Republic and Slovakia (July) and The Netherlands (August) with dedicated galleries, blog- and social media posts.

EF promoted activities on the Europeana 1914-1918 thematic collections page and on dedicated social media channels (Europeana 1914-1918 on Facebook[61], Europeana 1914-1918 on Twitter[62]). Below is a short overview, stating social media followers on Facebook and Twitter.

Social media channel	October 2017	December 2017	February 2018	April 2018	June 2018	August 2018
Europeana 1914-1918 on Facebook	c. 24,5K fans	c. 24,5K fans	c. 24,5K fans	c. 24,6K fans	c. 24,6 fans	c. 24,5K fans
Europeana 1914-1918 on Twitter	c. 6,7K followers	c. 6,7K followers	c. 6,8K followers	c. 6,9K followers	c. 7K followers	c. 7K followers

[54] Europeana Art galleries. View at https://www.europeana.eu/portal/en/explore/galleries?theme=art
[55] Museums in the Digital Age: Opening up at Birmingham Museums Trust, August 2018. View at https://pro.europeana.eu/post/museums-in-the-digital-age-opening-up-at-birmingham-museums-trust
[56] Twitter post on International Beer Day . View at https://twitter.com/CultureDoug/status/1025364158135652353
[57] Europeana 1914-1918. View at http://www.europeana.eu/portal/en/collections/world-war-I
[58] The Belgian Exodus of World War One, August 2018. View at http://blog.europeana.eu/2018/08/the-belgian-exodus-of-world-war-one/
[59] Gallery on 1914-1918: Czech Republic. View at https://www.europeana.eu/portal/nl/explore/galleries/1914-1918-czech-republic
[60] Europeana 1914-1918 Centeneray tour https://pro.europeana.eu/page/europeana-14-18-centenary-tour
[61] Europeana 1914-1918 on Facebook. View at https://www.facebook.com/Europeana19141918
[62] Europeana 1914-1918 on Twitter. View at https://twitter.com/Europeana1914

Transcribathon.eu

Transcribathon.eu is a crowdsourcing initiative for the transcription of digital material from the First World War compiled by Europeana 1914-1918. F&F joint preparations for the upcoming Transcribathons to be held in autumn in Germany, Italy, Hungary, Cyprus, and Belgium as part of the 1914-1918 Centenary Tour.

F&F maintained and updated the Transcribathon website (news section, content selection, Runs preparations, communication with participants, etc.). F&F and EF continued to co-promote events and value of Transcribathon[63] via social media (Twitter, Facebook). In the table below you find some metrics related to the Transcribathon website.

Metrics	December 2017	February 2018	April 2018	June 2018	August 2018
Documents (pages available to be transcribed)	c. 30,4K	c. 36,2K	c. 36,2K	c. 37,7K	c. 38,9K
Transcriptions completed	c. 8,5K	c. 9,1K	c. 9,8K	c. 11K	c. 11,3K
Registered users	c. 1,3K	c. 1,4K	c. 1,4K	c. 1,5K	c. 1,6K

Europeana Fashion[64] (eFashion)
- Daily, new posts on Facebook[65]
- Daily, new posts published on Instagram[66]
- Daily, one to two new posts on Twitter [67]
- Weekly, two new blog posts[68] published (e.g. Daring Geniuses: Pierre Cardin, August 2018[69])
- Weekly, new column 'runway archive' published, themed on runway pictures linked to the designers presented with some background info (e.g. Runway Archive: kolor spring/summer 2014 collection, July 2018[70])

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[63] Transcribathon. View at http://transcribathon.eu/
[64] Europeana Fashion. View at https://www.facebook.com/EurFashion/
[65] Europeana Fashion on Facebook. View at https://www.facebook.com/EuropeanaFashion
[66] Europeana Fashion on Instagram. View at https://www.instagram.com/europeanafashionofficial/
[67] Europeana Fashion on Twitter. View at https://twitter.com/eurfashion
[68] Europeana Fashion blog posts. View at https://www.europeana.eu/portal/en/blogs?theme=fashion
[69] Blog Daring Geniuses: Pierre Cardin, August 2018. View at
https://www.europeana.eu/portal/en/blogs/daring-geniuses-pierre-cardin
[70] Runway Archive: kolor spring/summer 2014 collection, July 2018. View at
https://www.europeana.eu/portal/en/blogs/runway-archive-kolor-spring-summer-2014-collection)

- Regularly, publishing of new galleries related to Fashion on Europeana Collections[71] (e.g. 'Hats and Headgear'[72])
- Two newsletters[73] published per month (e.g. Newsletter August 2018[74])
- Monthly, thematic exhibitions on Europeana Fashion on Tumblr[75]. July was dedicated to paper couture, showcasing 19th century plates. August is dedicated to the collaboration with Photocons and Europeana Photography - a guest curation that developed the online exhibition titled 'fashion at the races I'

eFashion kept following the media plan developed some months ago. Each day had a designated theme and this allows to span through the vast amount of material available on Europeana Collections, also publishing materials from other collections (not just the fashion ones). Jewellery Monday; Designer Tuesday; Paper Wednesday; Costume Thursday; Runway Friday; Surprise Saturday; Fact Sunday. This led to produce recurrent hashtags, in order to make it easier to retweet or connect. The research done on Europeana Collections also led to contact Europeana Photography and a collaboration with Photocons - managing the photography collection. This collaboration took the form of a guest curation on our tumblr page and will form one or two galleries on the portal.

eFashion and EF promoted activities on the Europeana Collections page, on the Europeana Fashion thematic collections page and on dedicated social media channels (Europeana Fashion on Facebook; Europeana Fashion on Twitter). Below is a short overview, stating the increase of social media followers on Facebook, Instagram and Twitter.

Social media channel	October 2017	December 2017	February 2018	April 2018	August 2018
Europeana Fashion on Facebook	c. 8,0K fans	c. 8,1K fans	c. 8,3K fans	c. 8,7K fans	c. 8,9K fans
Europeana Fashion on Twitter	c. 2,9K followers	c. 3,0K followers	c. 3,8K followers	c. 4,2K followers	c. 4,8K followers

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[71] Galleries related to Fashion View at https://www.europeana.eu/portal/en/explore/galleries?theme=fashion
[72] Gallery on Hats and Headgear. View at
https://www.europeana.eu/portal/en/explore/galleries/hats-and-headgear
[73] Europeana Fashion newsletters. View at
http://us5.campaign-archive.com/home/?u=08acbb4918e78ab1b8b1cb158&id=eeaec60e70
[74] Europeana Fashion Newsletter (August 2018). View at
https://us5.campaign-archive.com/?u=08acbb4918e78ab1b8b1cb158&id=da07fb225f
[75] Europeana Fashion on Tumblr. View at http://europeanafashion.tumblr.com/

Europeana Photography[76] (Photocons)
- Preparations for the 4th and final installment in the series 'The Pleasure of Plenty' - 'I spy with my little eye'.
- Reworking of galleries submitted earlier, toward diversifying content and including more 'open' content
- New posts on Photoconsortium's Facebook[77] account.
- New posts on Photoconsortium's Twitter[78] account.

Photocons functioned as a guest-curator for two Tumblr-series[79] to be published throughout August and September. Both series are devoted to fashion at the races, be it in different countries and different eras.

Photocons and EF promoted activities on the Europeana Collections page, on the Europeana Photography thematic collections page and on dedicated social media channels (Photoconsortium on Facebook: 970 followers; Photoconsortium on Twitter: 390 followers). Photocons also published several blog posts on Photoconsortium.net and other channels (e.g. 'A Day at the Races': ladies' fashion at race tracks in the early 20th century', August 2018[80]).

Europeana Music[81] (BL)
- New online exhibition: 'Greek song in the 19th and 20th century[82]', curated by the Friends of Music Society based in Athens, was launched in August 2018. The exhibition is based on the Music Library of Greece "Lilian Voudouri" collection and describes the evolution of Greek song from the 19th century until today, showcasing its strong connection with the late modern history of Greece.
- Preparations started for another exhibition on a series of musical portraits, examining the experiences of various composers contemporaneous with the 1914-18 war. To include Grainger, Debussy, Ravel, Butterworth, Vaughan-Williams and others.
- New galleries related to Music[83] (e.g. keyboards[84]).
- New blog posts (e.g. Austrian Composers in Exile, June 2018[85]). Guest blogs are commissioned from well-known curators on music related subjects highlighting

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[76] Europeana Photography. View at https://www.europeana.eu/portal/en/collections/photography
[77] Photoconsortium on Facebook. https://www.facebook.com/PhotoConsortium/
[78] Photoconsortium on Twitter. View at https://twitter.com/PhotoConsortium?lang=en
[79] Tumblr-series. View at http://eurfashion.tumblr.com/
[80] 'A Day at the Races': ladies' fashion at race tracks in the early 20th century', August 2018. View at http://www.photoconsortium.net/a-day-at-the-races-ladies-fashion-at-race-tracks-in-the-early-20th-century/
[81] Europeana Music. View at https://www.europeana.eu/portal/en/collections/music
[82] Greek song in the 19th and 20th century. View at https://www.europeana.eu/portal/en/exhibitions/greek-song-in-the-19th-and-20th-century
[83] Galleries on Music on Europeana Collections. View at https://www.europeana.eu/portal/en/explore/galleries?theme=music
[84] Gallery on keyboards. View at https://www.europeana.eu/portal/en/explore/galleries/keyboards
[85] Blog post on Austrian Composers in Exile, June 2018. View at http://blog.europeana.eu/2018/06/austrian-composers-in-exile/

relevant material from Europeana Music. All blogs for Europeana Music on Europeana Collections[86].

- Regular posts on Europeana Music Twitter[87] account, e.g. highlighting content from Europeana Music using hashtags such as #FolkloreThursday, etc.

BL is liaising with music library/sound archive communities, inviting guests to support curation of Europeana Music through galleries, exhibitions and editorials and following up expressions of interest to curate and/or contribute to Europeana Music (e.g. sound curator Lia Dimou for the Ioannou Biennale festival). Guest contributions are commissioned on a monthly basis.

BL gave a paper, at the invitation of the Royal College of Music Museum, on Europeana Music at the Digital Humanities and Musical Heritage workshop[88] held at the Royal College of Music, London, UK in July. This marked the delivery of the MINIM-UK project to make available online 20,000 musical instruments which will migrate to Europeana via MIMO. This was an opportunity to network with CHIs with audio and audio-related collections, discussing opportunities for them to join Europeana.

BL and EF promoted activities on the Europeana Collections page, on the Europeana Music thematic collections page and on dedicated social media channels (Europeana Music on Twitter).

Social media channel	October 2017	December 2017	February 2018	April 2018	June 2018	August 2018
Europeana Music on Twitter	c. 3,8 followers	c. 3,9K followers	c. 4,1K followers	c. 4,2K followers	c. 4,2K followers	c. 4,4K followers

Europeana Migration[89] (EF and Generic services partners)
In the context of the Europeana Migration campaign and thematic collection, we continued to collect user-generated content. Over this period, we continued promotional activities to encourage users to collect stories through this functionality.

Three #EuropeanaMigration collection days were held during this period, adding crowd-sourced stories of migration to the thematic collection.
- 6-7 July, Wales Millennium Centre and People's Collection Wales / National Library of Wales, Cardiff

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[86] Blogs on Europeana Music. View at http://blog.europeana.eu/category/europeana-music/
[87] Europeana Music on Twitter. View at https://twitter.com/europeanamusic
[88] Digital Humanities and Musical Heritage workshop. View at
http://minim.ac.uk/index.php/2018/05/14/digital-humanities-and-musical-heritage-workshop/
[89] Europeana Migration. View at https://www.europeana.eu/portal/en/collections/migration

- 13-14 July 2018, University Library Lucian Blaga, Sibiu, Romania (in partnership with Institute of Social Sciences and Humanities of the Romanian Academy)
- 18-19 August 2018, EPIC The Irish Emigration Museum, Dublin

Overall, through the #EuropeanaMigration project, 225 crowd-sourced stories relating to migration have now been added to the thematic collection. These stories contain 400 digitised objects, relating to more than 300 people, spanning 14 decades and covering 74 countries.

Further information can be found under the Generic Services project Migration in the Arts and Sciences under objective H. 'Make necessary dispositions to host the results of the Europeana Generic Services Projects'.

Europeana Manuscript[90] (EF and Generic services partners)
We have launched[91] Europeana Manuscripts a new dedicated thematic collection. The query was constructed in collaboration with the project partners of the Generic Services project 'Rise of Literacy'. Over time, this collection will grow to include newly digitised or improved content from the Rise of Literacy project partners. Detailed information towards the Generic Services project can be found under objective H. 'Make necessary dispositions to host the results of the Europeana Generic Services Projects'.

Europeana Newspapers (SPK)
Europeana Newspapers will be published and co-curated in the context of the Generic services projects Rise of Literacy (for more information please see objective H. 'Make necessary dispositions to host the results of the Europeana Generic Services Projects' and Rise of Literacy project).

Europeana Newspapers will be launched as a thematic collection in 2018. All public domain datasets that were provided by The European Library (TEL) were ingested and prepared for publication by EF. EF continued to develop features that allow for easy search and browse of the Newspapers collection such as the possibility to list all newspaper titles, searching by date, and integrating of the new item page.

EF conducted an analysis of the user metrics of the Newspapers portal on TEL to identify the specific user groups that could be targeted with the Europeana Newspapers collection. SPK contacted Europeana Newspapers users and newspaper experts regarding their possible involvement in a user testing group. A test group was collected and will test a closed beta version of the Newspapers collection by the end of Europeana DSI-3. The

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[90] Europeana Manuscripts. View at https://www.europeana.eu/portal/en/collections/manuscripts
[91] Discover manuscripts from late antiquity to the arrival of the printing press with new Europeana Manuscripts collection. View at
https://pro.europeana.eu/post/discover-manuscripts-from-late-antiquity-to-the-arrival-of-the-printing-press-with-new-europeana-manuscripts-collection

feedback that this test group will provide will be used to tweak features and functionalities as a preparation for the launch of the collection in Europeana DSI-4.

Discussions were conducted on copyright matters pertaining to the OCR-ed full text of newspapers issues. SPK and EF met regarding rights labelling for full-text and the integration with EDM of Europeana Newspapers full-text content. SPK discussed with Europeana Newspapers data providers (libraries) the possibility to deliver their newspapers via IIIF and the clarification of rights applied to their collections.

SPK provided support to users working with Europeana Newspapers data in digital humanities research projects and engaged in community building and updated dedicated social media accounts regularly (Europeana Newspapers on Twitter[92], c. 1,400 followers, Europeana Newspapers on Facebook[93], c. 1,500 fans).

Thematic collections statistics gathering pilot

EF conducted research to investigate how we could improve the monitoring of the content of thematic collections. A tool was developed that allows for at-a-glance overviews of the content of a thematic collection, live charts and reports on the current content, the historical evolution of the thematic collection, as well as the creation of snapshots of the current state of a thematic collection. By the end of Europeana DSI-3, we aim to incorporate this tool in our workflow and use it to steer and improve the development of Europeana Collections. In this reporting period, development continued on the metric collection tool to gather statistics on thematic collections.

Thematic Campaigns

Two major campaigns are envisaged for 2017/2018 (campaign on migration and cultural heritage and campaign on Europeana 1914-1918), localised and co-managed by Member States and CHIs. (Tender, task 4.3. Thematic campaigns, task 4.4 Partnership in the European Year of Cultural Heritage, task 4.4.1 Work with stakeholders in the EYCH, task 4.4.2. Europeana Events in the framework of EYCH)

EF continued to liaise with the EYCH communications and social media team on an ongoing basis, including providing relevant content[94] across varied topics for European Year of Cultural Heritage (EYCH)[95] channels to promote the Year.

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[92] Europeana Newspaper on Twitter. View at https://twitter.com/eurnews?lang=en
[93] Europeana Newspaper on Facebook. View at https://www.facebook.com/EuropeanaNewspapers/
[94] Twitter post by Creative Europe. View at
https://mobile.twitter.com/europe_creative/status/1028627914697465856
[95] 2018 European Year of Cultural Heritage. View at
https://ec.europa.eu/culture/news/20160830-commission-proposal-cultural-heritage-2018_en

Campaign on Migration and cultural heritage
EF is undertaking a campaign on Migration and cultural heritage under the EYCH in 2018. The campaign will focus on the topic of migration. Together with the European Commission, Member States and CHIs, EF organises and markets activities and events in the context of the EYCH. The campaign will promote user participation by organising collection days. In support of the campaign a new thematic collection Europeana Migration was developed. EF worked on additional relationships with migration museums to contribute to the thematic collection and to participate in the campaign. The latter aims to involve migration museums in a series of public engagement events (e.g. transcribathons).

In the reporting period, activities focused on promoting collection days in Dublin (August), Zagreb (September) and Belgrade(October). This included:

- Social media activity focused on public awareness and participation particularly via Facebook and YouTube. This included building community specific Facebook events and setting up/running targeted facebook advertising. On YouTube, focused promotion was supported with work to translate relevant videos[96] on YouTube into local languages to match the user's browser. The video has now been translated into 10 languages (Croation, German, Greek, Hungarian, Irish, Portuguese, Romanian, Spanish, Serbian and Welsh).
- Promotional collateral was provided with the design of event postcard templates for partners.
- Additional support in targeted outreach was provided with research on relevant local community groups.
- The campaign was also put under the spotlight to professional audiences on the Pro sight, highlighting conversations with both participating institutions and Europeana staff on learnings from the campaign on the importance of cultural diversity in how we relate to culture.[97]

We also revisited and revised the communications approach for future collection days and online promotion based on lessons learned from the first six months of the campaign, including plans for reusing and highlighting the contributions already received.

Campaign on Europeana 1914-1918
EF and F&F worked on the Europeana 1914-1918 Centenary Tour in relation to the EYCH. F&F and EF prepared upcoming Transcribathons to be held in autumn in Germany, Italy, Hungary, Cyprus, and Belgium as part of the 1914-1918 Centenary Tour. This includes appointment agreements, preparing the design and printing of press material (posters, flyers, postcards) and press releases, selection and uploading of documents.

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[96] Europeana Migration videos. View at https://www.youtube.com/watch?v=I2E0GJycWOc; https://www.youtube.com/watch?v=lIzvEbCzEVI
[97] Europeana Migration - what we are learning and what we know for sure. View at https://pro.europeana.eu/post/migration-and-culture-creating-a-space-for-mutual-exchange

The following events are being prepared:
- Transcribathon Hungary, National Archives Budapest, 14 and 15 September 2018
- Transcribathon at Conference of Association of German Historians, 25-28 September 2018, Münster/Germany
- Transcribathon at Digital Innovation Week in co-operation with National Central Library of Rome, 8-12 October 2018, National Central Library of Rome, Rome/Italy
- Transcribathon Cyprus, 31 October-2 November 2018, in co-operation with the UNESCO CHAIR on Digital Cultural Heritage, the Cyprus University of Technology, Europeana Foundation and the EU H2020 Virtual Multimodal Museum Project, in co-operation with the Cyprus Ministry of Education and Culture, the National Library of Cyprus, the National Committee on Digital Cultural Heritage and the Digital Champion.
- Europeana 1914-1918 Centenary Tour Closing Event at House of European History with the International Transcribathon Finals, 26-27 November 2018, Brussels, Belgium

D. Improve/widen distribution channels through partnerships

One of Europeana's priorities is to build and nurture large scale media and distribution partnerships with organisations that already have strong and loyal communities of users with an interest in, need or passion for culture. On the one hand, we aim to develop more partnerships in the market areas Education, Research, and Creative Industries (digital entrepreneurs, designers, developers) to add to the successful ones we have. Under Europeana DSI-3 there is emphasis on the use of Europeana content in education. The strong partnerships with systems used by teachers both at the European and country levels as well as with educational publishers are key. On the other hand, we further improve the distribution of our content towards end users (European Citizens market) by maintaining our successful relationships with social media (e.g. Giphy) as well as with major platforms like Wikimedia.

End-users (European Citizens)

EF aims to maximise the reach to the general public by collaborating with the Wiki community, by developing strong partnerships with social media hubs (like DailyArt, GIPHY). (Tender, Task 3.2.5 Work with third party platforms, task 4.1.5 Cooperate with third party platforms)

During this reporting period, EF together with the National Library of Australia (Trove), the Digital Public Library of America (DPLA), and DigNZ continued preparations for the Gif It Up Competition 2018. The competition is scheduled to commence in October, all partners are

in the process of selecting reusable images, a dedicated environment for promotion of the competition will be developed to ensure effective promotion and to secure visibility.

Wiki community

The translations of the Migration Keyword list provided by Wikidata are prioritised for ingestion at the beginning of the next quarter, alongside the 'object type' vocabulary (photographic terms, fashion terms, musical genres...) all of which have Wikidata item cross-references.

EF prepared for a National-specific training for small/medium sized cultural organisation in association with Netwerk Digitaal Erfgoed (Dutch aggregator partner) and Wikimedia Netherlands. If successful, this model could be reused with other national aggregator partners as a professional development program, in the local language, across the EF network.

Education

EF, EUN and Euroclio continued to develop relationships with education networks, publishers, educational providers, policy makers and national Ministries of Culture. Activities promote the educational value of Europeana and re-use of the cultural heritage material in an educational context. (Tender, task 3.2.19 Build up the Europeana Education community, task 4.1.8 Communication to the educational sector)

EF provides a dedicated space on Europeana Pro for the Education community[98] with information and quick access to ready-to-use resources. We publish blog posts[99] on educational topics, which are respectively promoted on the Europeana Twitter account. During this period the Europeana Education Linkedin group has increased by 59 members (total 332 members, or 21.6% increase in comparison to the previous reporting period).

EF increased the awareness of educators towards Europeana's educational value through webinars and workshops for various teacher communities and at events during this reporting period (see sections below for more details).

Work with Ministries of Education

Ministry of Education in France
EF launched a pilot with the Ministry of Education in France in August 2017. Edutheque established a Europeana dedicated space on the French national educational portal (c.

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[98] Europeana Education community. View at
https://pro.europeana.eu/network-association/special-interest-groups/europeana-education
[99] Europeana blog posts related to Education. View at
https://pro.europeana.eu/pages/blog/blog/markets/education

126.000 teachers and 850.000 subscribers).[100] (Tender, task 3.2.9 Pilot with Ministry of Education in France)

In this reporting period, representatives of the Ministry of Education, Réseau Canopé and EF met at the ministry's premises in Paris in July to review and discuss the results of the pilot project with Europeana. Réseau Canopé presented the final pilot report, which encompassed (a) the feedback provided by the 13 French teachers who developed the learning scenarios with our resources, and (b) the results of the survey to Éduthèque users running in the same platform from January until March 2018. The survey's purpose was to collect and understand users' impressions on Europeana resources displayed on the Éduthèque platform.

As next steps, we agreed to discuss further possible updates of the Europeana resources on Éduthèque and the API integration, to explore suitable communication channels to reach the French educators' communities, to get involved in national school contests to promote the use of Europeana among children, and to publish the learning scenarios and the final report on Éduscol.

In August the learning scenarios and the final report was published on Éduscol[101]. This material is available for the whole community of educators in France.

Ministry of Education in Portugal
EF also collaborated with the Ministry of Education in Portugal (Tender, task 3.2.10 Build partnerships with commercial and noncommercial partners in education).

Thanks to our collaboration with the Ministry of Education in Portugal the "Guide to Using Europeana in Education" was translated into Portuguese[102]. According to the ministry, the guide intends to be the first step for educators searching for information about our resources in the future dedicated space to Europeana project in the DGEC[103] (national portal for education). The technical staff of the DGEC is investigating possible API integration of our Collections in their platform.

Furthermore, a group of teachers working for the Ministry, that also participated in the first Europeana Education MOOC, will test pedagogical activities with our resources in their classroom, during the next school year.

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[100] Europeana space on Edutheque. View at http://www.edutheque.fr/utiliser/partenaire/europeana.html
[101] Europeana et Éduthèque. View at http://eduscol.education.fr/cid106409/europeana-et-edutheque.html
[102] Guide to using Europeana in Education in Portuguese. View at https://pro.europeana.eu/post/guide-to-using-europeana-in-education
[103] DGEC. View at http://www.dge.mec.pt/

Commercial and non-commercial partners in education

EF builds up further relationships with commercial and non-commercial partners in education. (Tender, task 3.2.10 Build partnerships with commercial and noncommercial partners in education)

Netherlands

A meeting with representatives of SURF[104] to explore ways of collaboration was scheduled for September at the Europeana offices. SURF is a joint platform where Dutch research universities, universities of applied sciences, university medical centres, research institutions and senior secondary vocational education institutions work together to develop ICT innovations in research and education.

Italy

The joint web portal[105] of DiCultHer, ICCU and EF to provide the Italian educators and schools with resources is now live. The platform was announced in July by the AgCult[106] (a journalistic governmental agency specialized in public policies related to the cultural and tourism sectors), where the activities 2018-19 promoted by DiCultHer were presented.

Moreover, in September and October, DiCultHer will organize a series of meetings across Italy to present their programming for the 2018-2019 school year, including the new platform.

Organise a developer group of teachers

EUN organises and supports a Developer Group of teachers from European's six target countries (secondary and primary education). In three workshops, the group produced new datasets, pedagogical scenarios and learning activities based on Europeana Collections. In addition, the group created, open source, professional development materials for teachers in several languages. (Tender, task 3.2.11 Organise a developer group of teachers)

At this point in the project, the work has ended. During this reporting period, EUN and EF invited the Developer Group of teachers to join the Europeana Education LinkedIn group where they can share their stories and keep up to date with new developments of Europeana in education. EUN also awarded the teachers with certificates for their participation in the project.

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[104] SURF. view at https://www.surf.nl/
[105] Europeana ICCU DiCultHer. View at https://www.diculther.it/europeana-iccu/
[106] Announcement by the AgCult. View at
https://agcult.it/2018/07/14/con-i-ragazzi-per-costruire-opportunita-al-via-programmazione-diculther-2018-19/

Development of a MOOC

EUN used the resources delivered by the Teacher Developer Group and created some additional content (including videos and MOOC modules for teachers). (Tender, Subtask 3.2.12 Develop a MOOC)

The MOOC for teachers, "Europeana in your classroom: building 21st-century competencies with digital cultural heritage", ran from April to mid-June 2018. 2019 participants from 59 countries registered to the course. Out of these, 990 started the first module of the course. In total, 342 finished the course, which altogether means a 35% completion rate, much higher than the average 10% rate[107] for this kind of courses.

Data collected via pre-course surveys (n=719) indicates that the majority of course participants were secondary school teachers (60%), and female (82%). The post-course survey results (n=271) showed that more than 95% of survey respondents rated the overall value of the course as "Good" or "Very good". More than 95% of the survey respondents also "Agreed" or "Strongly agreed" that the course has made them more confident to use digital cultural heritage in their classroom and that they would recommend this course to a colleague or friend.

Community and online support for Europeana Education User Group

EUN identified and provided community and online support to up to 60 teachers who form a Europeana Education User Group. (Tender, task 3.2.13 Community and online support for the Europeana Education user Group) The Europeana Education User Group participated in the MOOC for teachers and provided feedback on the MOOC and the sustainability of the Europeana Education community of teachers via online questionnaires. EUN analysed the results of the questionnaires and compiled them in a final report, including recommendations on the sustainability of the Europeana Education community. The recommendations revolve around content and resources, and dissemination of the community, such as developing more Europeana learning scenarios; translating the learning scenarios and offering the MOOC in more languages; rerunning the MOOC of teachers; creating a teacher blog where all learning scenarios are available; creating an Europeana Ambassadors' Network; collaboration with other teacher networks; and offering webinars to explain the use of Europeana resources to teachers.

Historiana eLearning Environment

EUROCLIO worked on the development of the Historiana eLearning Environment[108] and on a teacher training package using Europeana content. (Tender, task 3.2.14 Work with

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[107] Jordan, K. (2014). Initial trends in enrolment and completion of massive open online courses. The International Review of Research in Open and Distributed Learning, 15(1). doi:http://dx.doi.org/10.19173/irrodl.v15i1.1651

[108] Historiana. View at https://www.beta.historiana.eu/#/

Historiana) EUROCLIO worked with Webtic to make it possible to add branding of Europeana on the index cards and worked to fix some bugs that were identified during the training events and regular testing of the existing Historiana functionalities by EUROCLIO.

Create learning resources with Europeana content
EUROCLIO facilitated the creation of learning resources with Europeana content by organising Europeana specialised workshops for teachers. (Tender, task 3.2.15 Create learning resources with Europeana content) In this reporting period, all the remaining eLearning Activities and source collections were created and uploaded to Historiana.

The eLearning Activities[109] that are created and uploaded in this period are:
- Context to the 16th Century Reformation
- What can sources reveal about Europe 1945-47
- Plague in Europe
- Writing good historical narratives
- How have Europeans used water since 1700
- Why did Europeans migrate to the USA
- What were the effects of gas on soldiers in the First World War
- Why are there so many interpretations of Catherine the Great of Russia?

The source collections[110] that are created and uploaded in this period are:
- Orientalist art
- Key moments in the first world war
- The plague
- Schisms within Christianity
- Catherine the Great
- Post War Europe

During the reporting period, EUROCLIO also finalised the teacher training package.

EUROCLIO organised an international training in Germany and supported its members to organise training activities in Cyprus and Latvia.

Develop a communication strategy for Europeana on Historiana
EUROCLIO worked on a communication strategy to promote the Historiana eLearning Environment, related training events as well as learning resources on Historiana that make use of the Europeana content. (Tender, task 3.2.16 Develop a communication strategy for Europeana on Historiana)

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[109] eLearning Activities. View at https://historiana.eu/#/teaching-learning
[110] Source collections. View at https://historiana.eu/#/historical-content

During the reporting period, EUROCLIO worked further on the implementation of the communication strategy. This included promotion of the newly created resources via blogs and social media posts. A campaign to promote the use of the teacher training guide will start in the beginning of the new school year.

EUROCLIO organised several workshops and outreach events about its cooperation with Europeana and the development of learning resources using Europeana Collections. A large audience learned about Europeana and Historiana for the first time at the EUROCLIO Regional Summer School in Slovenia (July, 2018). Approximately 45 educators attended the workshop on how the Europeana Collections can be used to create digital learning activities, many of whom had no prior knowledge of Europeana Collections. EUROCLIO also attended the EdTechXEurope Conference in London to speak at the panel "Ecosystem unite! Collaboration across the field as the key to unlocking progress". In the newsletter and through other online communication channels, EUROCLIO draw attention to these events as well as the newly published source collections and learning activities.

Three other events took place in the final two weeks of August (a workshop at the Learning to Disagree project meeting in Berlin, and two workshops within the context of Decisions and Dilemmas, in Latvia and Cyprus). Reports of these training events will be shared online through the regular communication channels at the end of August.

Work with eTwinning

EF works with eTwinning who makes 'cultural heritage' its theme for 2018 in the context of the EYCH 2018. EF works with them on events, materials and datasets that are of use to the eTwinning communities. (Tender, task 3.2.17 Work with eTwinning) In this reporting period, we discussed and planned in more detail the Europeana contribution to the eTwinning Weeks in October 2018.

Creative Industries

EF continues building the community for Creative Industries (e.g. cultural heritage developers and digital innovators) by enriching the content on Europeana Labs[111]. (Tender, task 3.2.20. Continue building up the Europeana Labs community, task 4.1.9. Communication to creative industries) During the reporting period, we published four new dataset on Europeana Pro to promote reuse (e.g. Natural remedies from the Medicinal Garden of the Royal College of Physicians, London[112]).

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[111] Europeana Labs. View at https://pro.europeana.eu/what-we-do/creative-industries
[112] Natural remedies from the Medicinal Garden of the Royal College of Physicians, London. View at https://pro.europeana.eu/data/natural-remedies-from-the-medicinal-garden-of-the-royal-college-of-physicians-london

Monthly, EF publishes a newsletter[113] for the Europeana Labs community. We also regularly publish blog posts[114] on Europeana Pro on creative industries topics and post updates on a dedicated Twitter[115] account (1177 followers).

Partnerships in Creative Industries

EF fosters the relationship with partners who are already working with the Creative Industries (e.g. innovation labs, data platforms, and large scale events). The main areas of partnership are the promotion of cultural heritage as a resource to the creative communities and support of competitions, workshops and growth opportunities. (Tender, task 3.2.21. Forge and continue building relationships with creative industries)

We continued with the preparations for THE ARTS+ festival[116] in October in Frankfurt, Germany. Europeana will be a program partner e.g. contributing to the session design. EF will join a panel on the changing role of cultural heritage institutions in the afternoon of the first event day. We also got invited to the Innovation Summit[117] within THE ARTS+ festival, where we will present and co-lead a roundtable discussion on the need for new value/business models for the cultural and creative industries.

Europeana growth services

EF organises online competitions (Europeana Challenges) to identify and fund the best creative projects using Europeana content. (Tender, task 3.2.22. Europeana growth services) The two challenge winners[118] finalised their products.

'Wonders of the World[119]' (provisional title) is an educational app that teaches primary school kids about world cultural heritage. An animated character, a child with a backpack, will lead kids on a discovery tour of 13 sites around the world. Each site will present architectural and historical content from Europeana (maps, photographs, paintings) and will challenge kids in a playful way.

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[113] Europeana Labs newsletters. View at
http://us3.campaign-archive.com/home/?u=ad318b7566f97eccc895e014e&id=935d4e98eb
[114] Blogs on Europeana Labs. View at https://pro.europeana.eu/pages/blog/blog/markets/creative-industries
[115] Europeana Labs on Twitter. View at https://twitter.com/europeanalabs?lang=en
[116] THE ARTS+ festival. View at https://theartsplus.com/
[117] Innovation Summit. View at https://theartsplus.com/2018/07/09/the-arts-innovation-summit_2018/
[118] Europeana #edTech Challenge: winners announced. View at
https://pro.europeana.eu/post/europeana-edtech-challenge-winners-announced
[119] 'Wonders of the World'. View at Google play
https://play.google.com/store/apps/details?id=com.artstories.worldwonders and App store
https://itunes.apple.com/us/app/art-stories-wonders/id1391606033?l=it&ls=1&mt=8
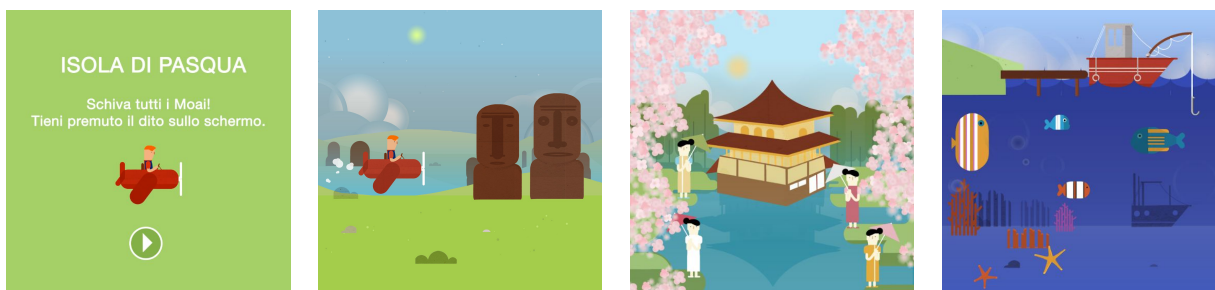
Fig.: Prototype images of the app 'Wonders of the World'

'Birdie Memory': Birdie Memory is a hybrid education project for primary school children on birds and their songs. The project aims to teach younger generations about the diversity of wildlife and strengthen their relation to nature while improving the children's visual observations skills and sound memory. Birdie Memory game is accessible upon invitation due to the planned crowdfunding campaign in October 2018.

Academic Research

EF continues building up the Europeana Research community by maintaining the space on Europeana Pro which serves as an active hub highlighting new developments within Europeana Research.[120] The space promotes material (over 170 open datasets), issues call to actions (i.e. Grants programme) and features research related blogs, as well as news articles within and beyond the Europeana Network. (Tender, task 3.2.6 Improving policy and impact of Europeana in Academic Research, task 3.2.8 Europeana Research community: community engagement, editorial management and advisory board)

The Europeana Metadata Requirements Survey for Research took advantage of 57 respondents. We promoted it via the Europeana social media channels, and CLARIN distributed it to its network via the CLARIN newsletter. The results were analysed in a feedback report, which was shared internally with the aim of improving the platform's features.

Representing the Europeana Foundation, we introduced our work in academic research, showing how open cultural data supports discovery, reuse and innovation in digital humanities at the Open Science and the Humanities Conference in Barcelona in June 2018; we published a blog about its results in July 2018[121]. EF also attended a presentation webinar about the EOSC-Gov project in order to reinforce its participation in the EOSC's[122] future developments. UoG and AthenaRC contributed to the research and composition of

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[120] Europeana Research. View at https://pro.europeana.eu/what-we-do/academic-research
[121] Blog It's time to raise the profile of Open Science in the Humanities, July 2018. View at https://pro.europeana.eu/post/it-s-time-to-raise-the-profile-of-open-science-in-the-humanities
[122] EOSC.View at https://ec.europa.eu/research/openscience/index.cfm?pg=open-science-cloud# EOSC-Gov. View at https://eoscpilot.eu/

Lorna Hughes' keynote talk on Europeana 1914-1918 and other similar initiatives at the EuroScience Open Forum (ESOF)[123] 2018 in Toulouse in July 2018.

Activities and updates were published via EF's general communication and dissemination channels and dedicated channels such as Europeana Research on Twitter[124]. The work of Europeana Research is supported by the Europeana Research Advisory Board chaired by Professor Lorna Hughes (UoG).[125]

Social media channel	December 2017	February 2018	April 2018	June 2018	August 2018
Europeana Research on Twitter	c. 1,9K followers	c. 2K followers	c. 2K followers	c. 2,1K followers	c. 2,2K followers

Research Grants Programme

The current Europeana Research Grants programme is funding three researchers to develop their projects (Medieval manuscript databases: Krista Murchison[126] and Visual representations of Romani in 19th and 20th centuries - Caterina Preda[127]). Two grant winners submitted their final reports which were accepted by the Research Advisory Board. Their project outcomes are already available as online databases: 1) A Visual History of Roma in Romania[128] and Intercultural Dialogue and Multilingualism in Post-Conquest England: A Database of French Literary Manuscripts produced between 1100-1550[129].

The third grant winner (2017 edition), Dr Matteo Romanello, submitted his final report. The overall goal of his project was to interconnect the Venice Scholar platform with digital objects in Europeana related to the history of Venice. A new version of the Venice Scholar, with the interface components developed within this project, is accessible at http://www.venicescholar.eu/.

Another grant recipient, Dr Krista Murchison, was invited to present her project's outcomes at the Europeana Foundation offices in July, together with Ben Companjen, digital

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[123] EuroScience Open Forum (ESOF). View at
https://www.esof.eu/en/media/news/news-reader/after-esof-2018.html
[124] Europeana Research on Twitter. View at https://twitter.com/EurResearch
[125] Europeana Research Advisory Board. https://pro.europeana.eu/page/europeana-research-advisory-board
[126] Blog Medieval manuscript databases: Krista Murchison, April 2018. View at
https://pro.europeana.eu/post/medieval-manuscript-databases-krista-murchison-europeana-research-grants-winner
[127] Blog on Visual representations of Romani in 19th and 20th centuries - Caterina Preda. View at
https://pro.europeana.eu/post/visual-representations-of-roma-in-19th-and-20th-centuries-caterina-preda-europeana-research-grants-winner
[128] A Visual History of Roma in Romania. View at http://roma-ovt.ro/en/
[129] Intercultural Dialogue and Multilingualism in Post-Conquest England: A Database of French Literary Manuscripts produced between 1100-1550. View at https://leidenuniversitylibrary.github.io/manuscript-stats/

scholarship librarian at the Centre for Digital Scholarship of Leiden University. Companjen is currently developing a new interface for the database built by Dr Murchison: https://kmurc047.wixsite.com/a-n-msshttps://kmurc047.wixsite.com/a-n-mss.

UoG and EF finalised the preparations for the Research Grants Programme 2018 which will be launched on 5th September and will call for proposals on the topic of First World War. Promotion to the Research market was supported with the development of a communications plan[130] for the Europeana Research Grants 2018 programme.

Connect to Research Infrastructures

EF an CLARIN continued to connect to Research Infrastructures (Tender, task 3.2.7 Connect to Research Infrastructures). CLARIN collaborated with EF to implement the support for metadata hierarchies in EDM-CMDI conversion and the exploration of the new OAI-PMH endpoint. It also worked on a new retrieval of collections listing, evaluation of current inclusion set and potential extensions of the VLO | Virtual Language Observatory, the CLARIN platform that integrates Europeana data relevant for linguistic research. Finally, CLARIN shared the Europeana Survey for Research via its newsletter.

E. Coordinate, sustain and grow the network of data partners and experts

EF has supporting functions in relation to the Europeana Network Association (ENA) and facilitates activities of the network of data partners and expert communities (e.g. IPR community, Impact community, EuropeanaTech community), as well as with our re-user communities (education, creative industries, academic research). (Tender, task 3.1 User community engagement and support)

Europeana Network Association

To support and engage with the Europeana Network Association EF uses various tools for communication while the Europeana Pro site is instrumental in our dissemination efforts. (Tender, task 3.1 User community engagement and support, task 4.5 Animate and further enlarge the Europeana Network Association, 4.5.1 Europeana Network Association secretariat).

The secretariat continued supporting the Network Association governance, Task Forces, Working Groups, their campaigns, and Europeana's as well as the Network's involvement in 2018 European Year of Cultural Heritage. We built up relations and engaged our audiences by enriching the content on the Europeana Pro website with new blogs[131] (e.g. Introducing

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[130] Communications plan for the Europeana Research Grants 2018 programme. View at https://docs.google.com/spreadsheets/d/1vsxnP7yz6w1mT7nCWke9PZh_1GvJrmFtuagfO4AhILM/edit
[131] Blogs on Europeana Pro. View at https://pro.europeana.eu/blog

the Copyright Community, August 2018[132]). The blogs feature specific highlights of ENA activities, Task Force recommendations, regular Working Group deliverables, cooperations of the Network members, promoting work of our partners, and campaigns. They are relayed through various communication channels such as LinkedIn, Twitter and Facebook.

Monthly, EF publishes a newsletter referred to as monthly Network Update[133] (e.g. Network Update of June/July 2018[134]). This includes the latest developments within the professional community (around 1,000 subscribers). The newsletters are endorsed by the Members Council with each Councillor taking their turn as Editor-in-Chief.

The secretariat also manages the Europeana LinkedIn Group[135] (around 4,000 members) with updates and posts published on a daily basis. The group provides an easy way for the Network members and others to interact with each other and with the Europeana Foundation.

In an effort to help ensure the long-term sustainability of Europeana through increasing public awareness and use, the active engagement and enlargement of the Network Association has been and will remain one of our key topics of focus. The current Association membership stands at 2001[136].

Network Association's Annual General Meeting (AGM)

The Association members come together once a year for the Network Association's Annual General Meeting (AGM), which includes the annual meeting of the General Assembly. (Tender, task 4.5.3 Europeana Network General Assembly) The 2018 AGM and General Assembly will take place in early December in Vienna, Austria[137], and will focus on Network community building. The communications plan[138] for the Europeana AGM 2018 was developed and agreed for implementation.

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[132] Introducing the Copyright Community, August 2018. View at
https://pro.europeana.eu/post/introducing-the-copyright-community
[133] Newsletters and Updates - December 2017. View at
https://pro.europeana.eu/resources/document-archive/newsletters-and-updates
[134] Network Update - June/July 2018. View at
https://us3.campaign-archive.com/?u=ad318b7566f97eccc895e014e&id=222c16cca3
[135] Europeana LinkedIn group. View at
https://www.linkedin.com/start/join?session_redirect=https%3A%2F%2Fwww.linkedin.com%2Fgroups%2F134927&trk=login_reg_redirect
[136] Network Association Members. View at https://pro.europeana.eu/network-association/network-members
[137] Europeana Network Association AGM 2018. View at
https://pro.europeana.eu/event/europeana-network-association-agm-2018
[138] Europeana AGM 2018, Communications plan. View at
https://docs.google.com/spreadsheets/d/1yaaxXAqA0UyIqsPkm0reS2gocDb6u0VlwqUowksYDDQ/edit?usp=sharing

Governance, Members' Council and Management Board

EF supports Members Council meetings and Management Board meetings (e.g. agenda, meetings and minutes publication on Europeana Pro). (Tender, task 4.5.2 Coordinate Members' Council and Management Board)

The Members Council is the elected governing board of ENA (composed of 36 members). The ENA Management Board (six members) is composed of members of the Members Council. EF organised one physical Management Board meeting and a Members Council meeting in The Hague, both in July 2018. Minutes and actions of those meetings are regularly updated following their review on Europeana Pro page[139]. After analysing the existing Europeana and ENA community landscape, six Europeana Network communities/special interest groups were officially launched and operationalised at the Members Council meeting in July: Europeana Tech[140], Europeana Impact[141], Europeana Copyright[142], Europeana Research[143], Europeana Education[144], and Europeana Communicators[145] group. Each of these communities will present its work progress at the next Members Council meeting and 2018 AGM in December 2018.

Task Forces and Working Groups

The Network Association members take on specific subjects or areas of common interest by participating in Task Forces[146] and Working Groups[147]. Task Forces (TFs) tackle specific subjects of interest related to the Europeana 2020 strategy. TFs run for a limited period and result in the delivery of recommendations on their subject. Currently, EF coordinates four active task forces:

1. TF Impact Assessment no.2[148]
2. TF Europeana Resource Citation and Object Identity Standardization[149]

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[139] Network Association Updates. View at
https://pro.europeana.eu/resources/document-archive/newsletters-and-updates#network-association-updates
[140] EuropeanaTech. View at
https://pro.europeana.eu/network-association/special-interest-groups/europeanatech
[141] Europeana Impact. View at https://pro.europeana.eu/what-we-do/impact
[142] Europeana Copyright. View at
https://pro.europeana.eu/network-association/special-interest-groups/europeana-copyright
[143] Europeana Research. View at
https://pro.europeana.eu/network-association/special-interest-groups/europeana-research
[144] Europeana Education. View at
https://pro.europeana.eu/network-association/special-interest-groups/europeana-education
[145] Europeana Communicators. View at
https://pro.europeana.eu/network-association/special-interest-groups/europeana-communicators-group
[146] Europeana Task forces. View at https://pro.europeana.eu/network-association/task-forces
[147] Europeana Working Groups. View at https://pro.europeana.eu/network-association/working-groups
[148] TF Impact Assessment. View at https://pro.europeana.eu/project/impact-assessment
[149] TF Europeana Resource Citation and Object Identity Standardization. View at
https://pro.europeana.eu/get-involved/task-forces/resource-citation-object-identity-standardization

3. TF Creation and Governance of EDM mappings, profiles and extensions[150]
4. TF Europeana Migration[151]

Working Groups (WGs)[152] are set-up to address ongoing activities and issues of continuing relevance and run without a limited timeframe as long as their purpose is required. Currently EF supports six active WG (WG Copyright Policy[153], WG Library[154], WG #AllezCulture[155], WG Data Quality[156], and WG Governance[157], and WG AGM 2018).

User community engagement and support

EF continues to foster communities of transnational networks of experts and specialists in the fields of creating, preserving and publishing digital cultural heritage online. (Tender, task 4.7. Europeana Network community management)

EuropeanaTech community[158]
NISV coordinates the EuropeanaTech community together with EF, focusing on digital engagement and events. (Tender, task 4.7.1 EuropeanaTech community) NISV regularly publishes a newsletter for the EuropeanaTech community. All newsletters can be viewed on Europeana Pro.[159] The EuropeanaTech Twitter account grew during Europeana DSI-3, from around 2,900 followers, July 2017 to 3,500, August 2018, for an overall increase of around 600 followers.

EuropeanaTech continued its work with the EDM Governance Task Force including the closing of the survey and beginning analysing results. The survey was about the practices of using and extending the Europeana Data Model (EDM) among our partners, and asking for their feedback on how we are (currently) and should (in the future) organise and govern the maintenance and evolution of EDM. Furthermore, we collected and analysed a survey for the EuropeanaTech conference[160] (e.g. concluding to an NPS score of 56, which correspond to an excellent appreciation). NISV continued work on its FLOSS research and there will be an early version of the report at the end of Europeana DSI-3. NISV also wrote and finalized the EuropeanaTech community activity report due at the end of Europeana DSI-3.

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[150] TF Creation and Governance of EDM mappings, profiles and extensions. View at
https://docs.google.com/document/d/18Csr68hcWVH4md-xpGbHbiXZbeEIuDsQPDdXpQIP6Yg/edit
[151] TF Europeana Migration. View at
https://docs.google.com/document/d/13IeiLdY-lFEA0whyU3TxFzsks1_TVxasRwZ4Oh-epQI/edit
[152] WGs on Europeana Pro. View at https://pro.europeana.eu/network-association/working-groups
[153] Copyright Policy Working Group. View at https://pro.europeana.eu/project/copyright-policy-working-group
[154] WG Library. View at https://pro.europeana.eu/project/library-wg
[155] WG #AllezCulture.View at https://pro.europeana.eu/project/allezculture-working-group
[156] WG Data Quality. View at https://pro.europeana.eu/project/data-quality-committee
[157] WG Governance. View at https://pro.europeana.eu/project/governance-working-group
[158] EuropeanaTech. View at
https://pro.europeana.eu/network-association/special-interest-groups/europeanatech
[159] EuropeanaTech newsletters. View at https://pro.europeana.eu/page/europeanatech-insight
[160] EuropeanaTech Conference 2018. View at https://pro.europeana.eu/event/europeanatech-conference-2018

Europeana Copyright community[161]

EF and Lovegrove, supported by KL, further developed the Europeana Copyright community. (Tender, task 4.7.2 Europeana IPR community) The copyright community grew to 163 members in the period. The community page on Europeana Pro[162] was updated with relevant content referencing latest blogs published of interest to the community (e.g. 'Introducing the copyright community to the network'[163] or 'Success of the first stage of establishing multilingual copyright information', August 2018[164]). Information about copyright and cultural sector practices was also shared with the community through the @EuropeanaIPR twitter account, which has grown to have 1062 followers.

Cultural heritage institutions and stakeholders

EF communicates with CHIs and other stakeholders via Europeana Pro[165]. (Tender, task 4.1.1 Communication to cultural heritage institutions and stakeholders) Communication activities are reported in the sections related to the target market and/or subject of communication. A list of additional communication activities is provided in [Annex III: Communication and dissemination activities](#) (such as events, meetings and conferences attended along with online and offline publications).

Europeana Facts sheet
Europeana Factsheet - the existing two-page fact sheet aimed at stakeholders, was updated to more clearly reflect: the importance of the Commission's focus on 'digital transformation'; the relationship between the Commission and the Europeana initiative; the complementary and synergetic roles of the Europeana Foundation, the Europeana Aggregators Forum and the Europeana Network Association. This was shared with DG CONNECT and has been further reworked in response to feedback.

Europeana's ten year anniversary
Internal preparation for Europeana's ten year anniversary began - the focus of activity will be on digital transformation, looking forward as well as back. It will reflect the values and mission of the Europeana initiative and celebrate its partners and users and will be participatory in approach.

Revised editorial strategy
Following a review of the editorial strategy, Europeana Pro blogs was renamed Europeana Pro News. The change in approach comes as a result of a strategic shift from reporting as a

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[161] A dedicated space on Europeana pro will be created throughout the Europeana DSI-3 project.
[162] Copyright community on Europeana Pro. View at
https://pro.europeana.eu/network-association/special-interest-groups/europeana-copyright
[163] Introduction to the copyright community. View at
https://pro.europeana.eu/post/introducing-the-copyright-community
[164] Success of trial towards multilingual copyright information. View at
https://pro.europeana.eu/post/community-effort-to-translate-copyright-terms-into-5-languages
[165] Europeana Pro. View at https://pro.europeana.eu/

reflection, to reporting as an exploration (or writing from the 'why'). This approach was taken to better support increased readership, provide greater editorial value and to take a leadership position when it comes to editorial in the CHI sector.

In line with the shift toward news on Pro News, the strategic news-focus also included the implementation of a 'spotlight' topic or theme each month. These included: digital transformation in July, communities in August, education in September etc. Taking this approach has led to a more strategic approach to the production of editorial content, with a view to streamline information with the goal to increase return visitors to the site, and benefit from allied promotion.

Exploring new editorial approaches, Europeana supported and contributed to the Deutsches Historisches Museum blog parade on the theme of 'Europe by the sea - what does the sea mean to you?' with the post 'Mixed-up mermaids[166]'. A blog parade asks individuals/organisations to write and publish a blog on a particular theme and link it to the organisers through social media using a particular hashtag, with the aim to engage stakeholders and raise the profile of both the organising and contributing organisations. The #DHMMeer blog parade had 112 contributions. The DHM listed the contributing posts on their own site and promoted them on social media.

Europeana Communications group
EF maintains a Europeana Communications group that proactively reinforces Europeana communications and campaigns through relevant networks and communities and helps address the issue of multilingualism. Its intention is to create a small but active group of comms professionals who can help to multiply Europeana's campaign messages, and who see Europeana as a source of useful and trustworthy comms information for the digital heritage world. (Tender, task 4.1.6. Europeana Communications group)

Monthly we sent an email newsletter[167], which includes campaign news from Europeana, as well as PR, social media and communications tools and resources (e.g. Let's talk culture - Communications, social media and PR update from Europeana, August 2018[168]). The open rate for August was 59% and the average click through rate is 17% (both above average).

In line with the Europeana Network Association's work on Communities, the July Members' Council meeting discussed turning this group into the Community of Communicators. As a result a chair and co-chair were named, working alongside Europeana's editorial officer as community managers. Work has been ongoing to establish what the revisited community aims for and how it will work. The community in its new form was promoted to existing

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[166] Blog on Mixed-up mermaids. View at http://blog.europeana.eu/2018/07/mixed-up-mermaids/
[167] Communications update from Europeana. View at
http://us3.campaign-archive.com/home/?u=ad318b7566f97eccc895e014e&id=6741190c56
[168] Let's talk culture - Communications, social media and PR update from Europeana, August 2018. View at
https://us3.campaign-archive.com/?u=ad318b7566f97eccc895e014e&id=9bdc78b2f7

members and to the Europeana Network Association more widely with a Pro News post, a dedicated email to the whole network and an item in the Network Newsletter in August.

Europeana Aggregator Forum

EF maintains and develops the Europeana aggregator community by organising Aggregator Forum meetings and maintaining a Basecamp for communication. Both provide opportunities to share experiences, resolve issues, formulate best practices and co-develop guidance for institutions on technical and legal requirements. (Tender, task 2.7 Europeana Aggregator Forum) The follow-up work from the Spring edition of the Europeana Aggregators' Forum meeting in Berlin was concluded in this reporting period. The full report of the meeting was shared with all aggregators in July 2018. Discussions are underway with the Europeana Aggregator Forum Steering Group to prepare the next meeting of the forum.

Statistics Reporting

EF continues to provide usage statistics of Europeana on the Europeana Pro Page. We provide quarterly reports[169] on the Europeana end-user products, social media and third-party platforms (e.g. Usage Statistics Q2 2018[170]). EF also provides the reports for Members States[171] of which we increased the frequency from once to two per year (e.g. country reports[172]). (Tender, task 4.2. Improved statistics reporting on use of Europeana) EF also reported on the use of Europeana in the deliverable C.3 Data Access patterns[173] in April 2018.

Europeana Foundation Board / Steering Group / DCHE

EF is governed by the Europeana Foundation Governing Board and convenes as the Steering Committee of Europeana DSI-3. The Board addresses the progress, risks and mitigation, issues with partners and finances of Europeana DSI-3, among other topics. EF also collaborates with European Commission's Expert Group on Digital Cultural Heritage and Europeana (DCHE) and assess suggestions for improvements received from Commission services. (Tender, task 6.1. Europeana Foundation Board / Steering Group / DCHE) The Member States country reports mid year update was completed and will be published in early September 2018. Preparations are underway for the next Governing Board meeting on 21 September at the Deutsche Nationalbibliothek, Germany.

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[169] Usage statistics of Europeana data. View at
https://pro.europeana.eu/resources/statistics/europeana-usage-statistics
[170] Usage Statistics Q2 2018. View at https://pro.europeana.eu/page/usage-statistics-q2-2018
[171] Member states page on Europeana Pro. View at https://pro.europeana.eu/what-we-do/member-states
[172] Country reports. View at https://pro.europeana.eu/what-we-do/member-states#country-reports
[173] Report can be viewed in the project documentation section of the project page of Europeana DSI-3. View at https://pro.europeana.eu/project/europeana-dsi-3

F. Maintain an international interoperable licensing framework

EF and KL continued to maintain the Europeana Licensing Framework[174] with the aim to standardise and harmonise rights related informations and practices. We also worked with partners across the world to promote and maintain Rightsstatements.org[175] to assure interoperable, machine readable rights statements that work for cultural heritage. (Tender, task 1.9. Maintain and further develop Europeana Licensing Framework, task 1.10. Rightsstatements.org governance and network)

EF and KL concluded the review of the Data Exchange Agreement (DEA)[176] of the Europeana Licensing Framework. The agreement structures the relationship between EF and data providers. A paper delineating the changes needed was approved by the Board (November 2017) and the Commission was requested to comment prior to commencing consultation with data partners. The paper was circulated to a group of data partners (Photocons, MCA, ACE, AIT Graz, 2Culture) for their preliminary review by end of February 2018. To respond to the feedback received, updates to the DEA were prepared in May and it was shared with the review group of data partners in June. In July, the final DEA was shared with the aggregator forum, and a lawyer was consulted on the final draft. The final version of the agreement will be published on Pro along with guidelines for implementation.

EF chairs the Steering Committee for the Rightsstatements.org consortium[177]. Its members are continental or national digital libraries or platforms (including EF, Digital Public Library of America (DPLA)[178], Library & Archives Canada (LAC), National Digital Library of India (NDL), and National Library of Australia (Trove)). Translation of the statements continues, and an update to the website is being developed. We also relaunched the liaison with the W3C ODRL community[179] to push RightsStatements.org as an application case.

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[174] Europeana Licensing Framework. View at https://pro.europeana.eu/post/the-europeana-licensing-framework
[175] Rightsstatements.org. View at http://rightsstatements.org/en/
[176] Data Exchange Agreement. View at https://pro.europeana.eu/page/the-data-exchange-agreement
[177] Rightsstatements.org. View at http://rightsstatements.org/en/
[178] Digital Public Library of America (DPLA). View at https://dp.la/
[179] W3C ODRL community. View at https://www.w3.org/community/odrl/

G. Implement and develop new strategies, services and business models

Impact of digitisation and reuse of cultural heritage

EF worked with the Impact Assessment Taskforce towards the publication of the components of the impact toolkit. (Tender, task 5.1. Impact Assessment Framework toolkit, task 5.2 Europeana Impact Assessment Framework studies, task 5.3 Impact studies)

The components developed in 2017 consisted of a guide for cultural heritage organisations to assess their impact - the Europeana Impact Playbook[180]. The impact work is supported by a video explainer[181], a website[182], blogs and a community of impact professionals (on LinkedIn[183], 247 members). As of August 2018 the Playbook has been downloaded around 1,900 times and the Impact landing page has been viewed around 12,000 times by users from 95 countries around the world.

A sub-group of the impact task force met virtually in August to co-create the parts of the next phase of the impact playbook. The next phases are based upon what we have learned from the development of playbook-led impact assessments, and best practices that have been shared in this task force. A beta version of the playbook will be published on Europeana Pro and feedback from users invited to support the continual development of the resources.

Five cases studies continue to be developed using the impact playbook under the guidance of EF, and in the case of the theme migration is led by EF. These, together with five case studies identified through research and surveys undertaken by DEN, have been analysed by EF and DEN. This analysis is used as the basis for developing deliverable D.1 Study on impact of digitisation and reuse of cultural heritage[184], submitted in August 2018.

Work with Member States and EU Parliament

EF and Lovegrove continued working with policy makers to help connect ministries of culture, education, research, tourism and enterprises to digital cultural heritage and Europeana's five markets. (Tender, task 4.1.2 Organise EU presidency events to connect to policy makers to Europeana) EF has a dedicated space on Europeana Pro for Member

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[180] Europeana Impact Playbook. View at
https://pro.europeana.eu/post/introducing-the-impact-playbook-the-cultural-heritage-professionals-guide-to-assessing-your-impact
[181] Impact video. View at https://vimeo.com/238533045
[182] Impact website. View at https://pro.europeana.eu/what-we-do/impact
[183] Impact of Cultural Heritage Institutions on LinkedIn. View at https://www.linkedin.com/groups/13528017
[184] Deliverables can be found on the Europeana DSI-3 project page in the section project documentation. View at https://pro.europeana.eu/project/europeana-dsi-3

States[185]. We regularly publish a newsletter specifically targeted towards Member States (e.g. Europeana Quarterly Update - Summer 2018[186]). The next presidency event will be held under Austrian presidency in Vienna, Austria in October/November 2018.

H. Make necessary dispositions to host the results of the Europeana Generic Services Projects

Three projects under the Europeana Generic Services call (CEF work programme 2016) operate during Europeana DSI-3. EF made organisational actions to make sure that the thematic collections related to the three projects (Migration in the Arts and Sciences, Rise of Literacy, Byzantine Arts and Archaeology) will be available on the Europeana Core Service Platform in accordance with their product plans and descriptions.

Migration in the Arts and Sciences[187]

EF and consortium partners meet regularly to discuss content selection, ingestion and curation. Basecamp is being used effectively as a communication tool.

Partners in the project are continuing to digitise material with a view to ingesting these to Europeana later in 2018, as per digitisation plans. The first newly digitised objects from this project were published on Europeana. National Library of Lithuania (NLL) provided 377 records relating to Lithuanian emigre Aleksandro Račkaus[188]. NLL and other partners continue to digitise content for the project with publication on Europeana scheduled for autumn 2018.

Three browse entry points were added to the Migration thematic collection, relating to Ellis Island, Greek songs of exile and migration and postcards sent by Norwegian emigrants in the USA. EF curated a gallery (Journeys of Migration[189]) and wrote a blogpost (Moving, breathing, transforming[190]) for the thematic collection. Partners discussed the first concept of the Migration exhibition - chapters, themes, stories and definition of eligible collections and materials were identified.

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[185] Members State page. View at https://pro.europeana.eu/what-we-do/member-states
[186] Europeana Quarterly Update - Summer 2018. View at https://us3.campaign-archive.com/?u=ad318b7566f97eccc895e014e&id=4190d5a2ce
[187] Project page Migration in the arts and Sciences on Europeana Pro. View at https://pro.europeana.eu/project/migration-in-the-arts-and-science
[188] Records relating to Lithuanian emigre Aleksandro Račkaus. View at https://www.europeana.eu/portal/en/search?f%5BDATA_PROVIDER%5D%5B%5D=Lietuvos+nacionalin%C4%97+Martyno+Ma%C5%BEvydo+biblioteka+%2F+Martynas+Ma%C5%BEvydas+National+Library+of+Lithuania&locale=en&page=1&per_page=96&q=migration&view=grid
[189] Gallery on Journeys of Migration. View at https://www.europeana.eu/portal/en/explore/galleries/journeys-of-migration
[190] Moving, breathing, transforming. View at http://blog.europeana.eu/2018/07/moving-breathing-transforming/

Rise of Literacy[191]

EF and consortium partners meet regularly to discuss content selection, ingestion and curation. Basecamp is being used effectively as a communication tool.

Partners are all in the process of finalising their digitisation work with the aim to provide the data to Europeana from September onwards.

Groups are dedicated to the two thematic collections that will be delivered (Europeana Manuscripts and Europeana Newspapers). Partners are working on fine-tuning the query for the new Manuscript collection, actively providing feedback on datasets for inclusion (and exclusion) through a designed form. EF is working on updating the query.

Partners discussed the editorial plan and worked on a planning for the blogs and galleries. It was agreed to make a planning that ensures a flow of editorial output beyond the duration of the project.

Two end-user blogs by partners were published, one blog on the different formats of newspapers by our partners from the Berlin State Library (A Variety of Newspaper Formats, August 2018[192]) and one on banned books by our Italian partners OVI (Book Censorship and Banned Books: the Index Librorum Prohibitorum, August 2018[193]).

Byzantine Arts and Archaeology (BYZART)[194]

In this reporting period, EF advised BYZART project leaders on signing the Data Exchange Agreements with new data providers outside of the BYZART consortium. BYZART also presented its data endpoint to EF, ahead of future ingestion via Metis.

Progress on Handover

EF is preparing Europeana DSI for open procurement from mid-2018. For this objective, EF identified its assets and liabilities that are essential for operating the Digital Service Platform (DSI). These are identified in deliverables E.1 Transfer of assets and liabilities submitted to the Commission in June 2018 (latest submission) as well as E.3 Employed staff report (latest submission August 2018). EF developed a process to technically handover the infrastructure. This is reported on in deliverable E.2 Transfer process report (latest submission June 2018). The technical infrastructure is described in deliverable A.2

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[191] Project page Rise of Literacy on Europeana Pro. View at
https://pro.europeana.eu/project/rise-of-literacy
[192] A Variety of Newspaper Formats. View at http://blog.europeana.eu/2018/08/a-variety-of-newspaper-formats/
[193] Book Censorship and Banned Books: the Index Librorum Prohibitorum, August 2018. View at
http://blog.europeana.eu/2018/08/book-censorship-and-banned-books-the-index-librorum-prohibitorum/
[194] Project page Byzantine Arts and Archeology on Europeana Pro. View at
https://pro.europeana.eu/project/byzantine-art-and-archaeology

Europeana Infrastructure version 2.0 as well as in deliverable C.1 Technical documentation, both updated and submitted to the Commission in August 2018.

4. Key Performance Indicators (KPIs)

As specified in the Tender the KPIs have been updated based on the Business plan 2018. We are on track in regard to almost all KPIs.

We experience challenges to reach the traffic KPI for visits to Europeana Collections. Most of the traffic on Europeana comes from long tail organic searches in Google leading to record pages. The decrease of the number of Europeana pages indexed by Google (due to little metadata descriptions) caused the decrease in traffic coming from organic searches through Google. EF took remedial actions to increase web traffic and indexing by Google such as:
- Include entities from the Entity Collection in the sitemap
- Get more backlinks from big Linked Open Data sources
- Include 'organisations' in the Entity Collection and organisation pages in Europeana.eu
- Publish Schema.org metadata alongside our pages
- Investigate the tuning of search results to reflect the metadata quality

All this actions helped to increase the number of pages indexed by Google and will hopefully increase traffic over time.

We have reached our yearly target of having over 40% Tier 2+ data (actual 48%) and over 20% Tier 3+ data (actual 23.1%) on Europeana Collections.

On the other hand we are over performing in our reach of Europeana data on social media including impressions and engagement (shares/likes/comments) as well as engagement on Europeana products with a high number of items downloaded.

Description	Actual 31 July 2018	Actual/target in % towards end target	Proposed target end of 2018
Cultural Heritage Institutions			
CHI satisfaction: 60% rate relationship with aggregator as 4+ on a Likert scale of 1-5	Not measured	Planned to measure for end of 2018	60%: 4+
Aggregator satisfaction: 60% rate relationship with aggregator as 4+ on a Likert scale of 1-5	Not measured	Planned to measure for end of 2018	60%: 4+

Tier 2+ data: 40% of the total	48% of the total	48%/40%	40% of the total
Tier 3+ data: 20% of the total	23.1% of the total	23.1%/20%	20% of the total
European Citizens			
Net Promoter Score for thematic collections, exhibition and blog > 30[195]	Europeana Collections 47 (Average, measured quarterly) Exhibitions average[196] 58	> 30/47 (Europeana Collections) > 30/58 (Exhibitions)	> 30
Reach of Europeana data: total impressions 3rd parties (Wiki, DailyArt ect.): 150 million	92,623,261	~62%/~58%	150,000,000
Reach of Europeana data: Total impressions social media: 82 million	65,242,433	~80%/~58%	82,000,000
Reach of Europeana data: Total engagement social media (shares/likes): 350 thousand	325,755	~93%/~58%	350,000
Reach of Europeana data: Traffic overall: 6 million visits	2,517,776	~42%/~58%	6,000,000
Engagement on Europeana products: Returning visitors >30% average on all thematic collections		/>30%	>30%
Engagement on Europeana products Downloads: 180 thousand	180,931	~100%/~58%	180,000
Engagement on Europeana products Click-throughs: 800 thousand	429,578	~54%/~58%	800,000
Research			
3 case studies of using Europeana resources in research infrastructures	0	Planned to measure end of 2018	3
3 case studies about grant fund winners published	3	3	3
Business Plan developed and published	In progress	50% Final version to be delivered in autumn 2018	Published

[195] Currently, for the European Citizens market we measure the NPS for Europeana Collections and exhibitions.
[196] After each exhibition is published, Net Promoter Scores (NPS) are gathered via an online survey until at least 100 responses have been received.

Set baseline Net Promoter Score for researchers	-	Planned for end of 2018	NPS
Education			
> 40 learning resources using Europeana data (e.g. MOOCs and learning scenarios)	39	39/ > 40	> 40
> Five integrations of Europeana data in dynamic learning environments (e.g. apps, publishing platforms)	4	4/ > 5	> 5
Net Promoter Score for teachers using Europeana > 20	63 (Aggregated score)	63/>20	>20
Creative Industries			
20 cases of new works, products or services created using Europeana content	3	3, priorities currently on education market	20
At least two new projects with high social and economic impact potential	2	2	2
Europeana Network			
Net Promoter Score for Network Association members >30	Not measured	Planned to measure end of 2018	>30
> 2,000 members	1,890 (excl. ca 300 unconfirmed members)	2001	> 2,000
Five active Task Forces	4	4	5
Community-based organisation implemented	In progress	Implemented	Implemented
Policy and Frameworks			
>25% of active Europeana aggregators have integrated rightsstatements.org in their infrastructure	0%	Work has not started yet, planned for end of 2018	>25%
Economic impact case study published	-	Published	Published
Playbook part 2 published	-	In progress	Published
Research and Development			
Contribution to 10 reference papers or presentations	12	120%	10
Roadmap for improving visibility and indexing by search engines ready and approved	Approved	Approved	Ready
Net Promoter Score > 30 for EuropeanaTech	56	56/>30	> 30

5. Deviations and adjustments

There are no major deviations from the work plan in this period.

6. Major changes in staff if applicable

Archives Portal Europe Foundation (APEF): in July the technical director, Wim Van Dongen, resigned from his position. APEF is currently in the process of recruiting his successor.

7. Risk register update

EF investigated potential risk in regard to the individual activities undertaken in Europeana DSI-3. The following table reflects the current risk assessment of Europeana DSI-3.

Risk id	Description	Likelihood of occurrence	Impact	Mitigation Strategy
R1	Aggregators and content providers cannot deliver contents in the high quality as required	medium	high	- training on the Europeana Publishing Framework - showcasing the value of high-quality data for reuse, social media etc. - continuous update of statistics of data with regards to EPF-tiers - withholding of payment until task is completed if considered technically, organisationally and financially feasible.
R2	Legal issues with the transfer of assets to a possible successor supplier	medium	high	- early start of the handover-task - early information and advice on possible legal issues
R3	Technical issues with a transfer of the IT-platform	low	high	- test of the process in M6 - develop complete and full documentation
R4	Financial stability of some participants may fluctuate causing financial or organisational problems for other consortium members	low	high	- create a consortium agreement with a clause on liability
R5	Partners or subcontractors are not aware of all pre-existing rights; IP and copyright status of existing material used under this tender is not completely clear	high	medium	- every participant and subcontractor will be asked to create a list of pre-existing rights, which will be delivered to the Commission
R6	The IT-platform will not be as robust as expected	medium	high	- review of the IT-platform is part of the tasks. - Europeana employs recovery services to mitigate the consequence of database failures.

R7	Absence of concrete participation of national aggregators	low	high	- activate and involve national platforms and networks into the aggregator community and the Europeana Network
R8	Regulatory changes on copyright for digitisation of (mainly) 20th century material	medium	high	- Raise of awareness issues of consequences of changes in copyright law. - Active involvement of the Europeana Network into copyright reform
R9	General usage is perceived as too low	high	high	- increase involvement of partners, social media hubs and platforms - increase understanding of search engine algorithms. - use benchmarks with other digital libraries

8. Balance of efforts (up to 31 July 2018)

The Balance of efforts table states the percentages of resources allocated to each of the eight activities performed in the Europeana DSI-3 project. The numbers are stated cumulative while the July figures reflect the time frame 1 September 2017 until 31 July 2018.

Category of activity	Foreseen Percentage of the full contract value in the tender	Sep 17	Nov 17	Jan 18	Mar 18	May 18	Jul 18
1. Platform maintenance and development	**38%**	40.6%	40.7%	40.1%	39.7%	39.4%	39.6%
2. Fostering content supply	**18%**	19.6%	18.7%	18.0%	18.2%	18.4%	18.5%
3. Fostering content reuse	**19%**	17.3%	16.8%	16.4%	16.1%	16.1%	16.5%
4. Communication and dissemination	**14%**	8.6%	9.2%	11.6%	12.5%	12.9%	12.6%
5. Studying the impact of digital cultural heritage	**2%**	1.8%	2.8%	2.8%	2.6%	2.6%	2.4%
6. Governance	**1%**	2.6%	2.1%	1.8%	1.8%	1.8%	1.8%
7. Handover	**3%**	0.5%	0.5%	0.7%	0.6%	0.6%	0.5%
8. Project management	**5%**	9.0%	9.2%	8.6%	8.5%	8.2%	8.1%
Total	**100%**	**100%**	**100%**	**100%**	**100%**	**100%**	**100%**

9. Progress on deliverables

Deliverables	Type	Due end of month	Status
A.1 Europeana infrastructure version 1.0	Report	M6	M6 Delivered to EC
A.2 Europeana infrastructure version 2.0	Report	M12	M12 Delivered to EC
B.1 Inception report	Report	M1	M1 Delivered to EC
B.2 Periodic report	Report	M2, M4, M6, M8, M10, M12	M2, M4, M6, M8, M10, M12 Delivered to EC
B.3 Final report	Report	M12	M12 Delivered to EC
C.1 Technical documentation	Report	M9 ,M12	M9, M12 Delivered to EC
C.2 Usage pattern reports	Report	M4, M8, M12	M4, M8, M12 Delivered to EC
C.3 Data access pattern reports	Report	M4, M8, M12	M4, M8, M12 Delivered to EC
C.4 Stress and disaster recovery test reports	Report	M9	M9 Delivered to EC
C.5 Reports on suggestions for improvements received	Report	M5, M10	M5, M10 Delivered to EC
D.1 Study on impact of digitisation and reuse of cultural heritage	Report	M12	M12 Delivered to EC
E.1 Transfer of assets and liabilities report	Report	M1, M10	M1, M10 Delivered to EC
E.2 Transfer process report	Report	M6, M10	M6, M10 Delivered to EC
E.3 Employed staff report	Report	M1, M6, M9, M12	M1, M6, M9, M12 Delivered to EC

Annex I: Helpdesk services and expertise

The annex states activities from 1 September 2017 until 31 August 2018.

CHI that received support	Country	Type	Kind of support received (one-on-one, workshop, specific training,...)
2Culture			
CARARE membership	United Kingdom	General support	2Culture and AthenaRC: domain helpdesk services provided for MINT, MORE and pro.carare.eu.
Basel Landschaft museums consortium	Switzerland	Individual Support	Provision of data update to Europeana
KNAW Dans	Netherlands	Individual Support	Advice concerning rights licensing
Hispana + FEDAC (Calibo de Gran Canaria)	Spain	Individual Support	Advice concerning data update
Institut National Patrimonial, Romania	Romania	Individual Support	Advice concerning data update, metadata specifications, configuring EDM export + metadata enrichment with AAT top subject concepts
Byzart project and the University of Bologna	Italy	Individual Support	Liaison concerning metadata provision, controlled vocabularies and Omeka software
University of Jaen	Spain	Individual Support	Advice concerning data update, metadata mapping and metadata enrichment
University of Vilnius Faculty of Communication	Lithuania	Individual Support	Advice concerning metadata enrichment with AAT top subject concepts, data republication
Skagafjörður Heritage Museum	Iceland	Individual Support	Liaison
Kulturarvstyrelson	Denmark	Individual Support	Advice concerning Europeana publishing framework + data update
INCEPTION project + Nemoris S.r.l.	Italy	Individual Support	Liaison concerning the use of the CARARE metadata schema

Visual Dimension bvma	Belgium	Individual Support	Advice on metadata; liaison concerning the publication of a new 3D collection
Ministry of Brussels Capital Region	Belgium	Individual Support	Liaison concerning publication of an update to their collection
Cyprus University of Technology	Cyprus	Individual Support	Liaison concerning provision of data to Europeana
National Archaeological Institute with Museum at the Bulgarian Academy of Sciences	Bulgaria	Individual Support	Liaison concerning publication of an update to their collection; Progress EF to ensure the de-referencing of SKOS concepts for this dataset
St Paul's, London	United Kingdom	Individual Support	Advice concerning the provision of data to Europeana
Swedish National Heritage Board	Sweden	Individual Support	Support on preparation of high quality datasets, advice concerning metadata enrichment with AAT top subject concepts + publication of an update to their collection.
Deutsches Archaeologische Institut	Germany	Individual Support	Support on preparation of high quality datasets, one-on-one support on EDM mapping for ARACHNE data and and metadata enrichment with AAT top subject concepts, advice on rights licensing
Netherlands Architecture Institute/Het Nieuwe Instituut	Netherlands	Individual Support	Liaison with Rijksdienst voor het Cultureel Erfgoed, Netherlands and advice on aggregation channels
Heritage Malta	Malta	Individual Support	Support on preparation of high quality datasets, one-on-one support on EDM mapping
Rijeke Industrial Heritage	Croatia	Individual Support	Advice on aggregation channels
University of York, Archaeology Data Service	United Kingdom	Individual Support	Support on metadata mapping, the addition of SKOS subject concepts from AAT, and use of the new rights licence suite; advice concerning the use of the new Rights Statement.org licence for

			education + provision of metadata update to Europeana
Rijksdienst voor het Cultureel Erfgoed, Netherlands	Netherlands	Individual Support	Advice on republishing a collection to address a rights issue; advice concerning data update and metadata enrichment with AAT top subject concepts
Archive de la Gironde	France	Individual Support	Support on preparation of high quality datasets
Royal Society of Antiquaries of Ireland	Ireland	Individual Support	Support on preparation of high quality datasets
MECD + FEDC	Spain	Individual Support	EDM, controlled vocabularies, enrichment
Ministry of Culture, Denmark	Denmark	Individual Support	Europeana rights and publishing framework
Cyprus Institute	Cyprus	Individual Support	Collections update
Democritus University of Thrace	Greece	Individual Support	Metadata schema
Polytechnic of Milan	Italy	Individual Support	Metadata schema
National Heritage Board of Poland	Poland	Individual Support	General enquiry
Agency for Heritage and Palaces, Denmark	Denmark	Individual Support	General information about Europeana Publishing Framework
Discovery Programme	Ireland	Individual Support	Progress EF to ensure the de-referencing of SKOS concepts for this dataset
National Heritage Institute, Czech Republic	Czech Republic	Individual Support	Metadata enrichment + updating edm rights statement
Estonian Ministry of Culture, Cultural Heritage Department	Estonia	Individual Support	One-to-one. General enquiry regarding an update of their dataset.
Competence Center Cultural Heritage Digitization, Fraunhofer		Individual Support	General information about CARARE and Europeana

Institute for Computer Graphics Research IGD			
National Archives of Norway	Norway	Individual Support	One-to-one advice concerning re-publication of dataset for quality improvement.
University of the Basque Country (Archaeological research group)	Spain	Individual Support	Enquiry regarding EDM and Europeana publication via Hispana.
Rijksdienst voor het Cultureel Erfgoed, Swedish National Heritage Board, KNAW-DANS, Národní památkový ústav, Vilnius University Faculty of Communication, Urban Institute of Slovenia, Instituto de Arqueologia Iberica de la Universidad de Jaen, The Discovery programme, Politecnico di Torino, Dipartimento Asia Africa Mediterraneo, Università degli Studi di Napoli "L'Orientale"			Workshop
AIT Graz			
Naturalis Biodiversity Center	Netherlands	Individual Support	Advice (New Data Provision, support for source metadata provision); Specific support on data harvesting preparation for huge data amounts for Europeana.
Royal Botanical Garden Kew	United Kingdom	Individual Support	Change of Data input, support for source metadata provision, re-harvest, advice on new rights statement
MNHN	Luxembourg	Individual Support	Change of Data input, support for source metadata provision

NKM Potsdam, Leipzig, Grant Museum	Germany	Individual Support	One-on-one contact
DSMZ-Deutsche Sammlung von Mikroorganismen und Zellkulturen GmbH	Germany	Individual Support	One-on-one advice on image access and on solving technical problems
NHMV - Natural History Museum Vienna	Austria	Individual Support	Support on preparation of high quality datasets, One-on-one advice on image quality
FOTO_AM - Department of Life Sciences, University of Trieste	Italy	Individual Support	One-on-one advice on data access
GBIF France	France	Individual Support	One-on-one taking up communication for joining Europeana
ZFMK	Germany	Individual Support	One-on-one contact concerning quality improvement (incl fixing broken links); One-on-one communication on new data provision and data update
Jena/Halle herbarium	Germany	Individual Support	One-on-one taking up communication for joining Europeana
Herbarium Gatersleben	Germany	Individual Support	Support on preparation of high quality datasets, One-on-one communication on finalizing the connection, Support for source metadata provision
Natural history museum Luxembourg	Luxembourg	Individual Support	Support on preparation of high quality datasets
Herbarium Hamburgense	Germany	Individual Support	Support on preparation of high quality datasets
Musee de la Vallee, Barcelonnette	France	Individual Support	Advice on the OpenUp! aggregation process, help with hosting problems
Finalisation of the OpenUp! Data package for Europeana - according to workplan.	Austria	Individual Support	Automated Support Services for about 40 content archives
Statens Naturhistoriske Museum Københavns Universitet (Denmark)	Denmark	Individual Support	One-on-one communication on new data provision and data update
APEF			

Archives de l'Université de Louvain	Belgium	Individual Support	Discussed possibilities for contributing content via APE to Europeana, using the still to be implemented Omeka + IIIF protocol (deadline: summer of 2018); to be continued
Croatian State Archives	Croatia	Individual Support	Help in producing Europeana content for the #AllezDemocracy campaign
Estonian State Archives	Estonia	Individual Support	Help in producing Europeana content for the #AllezDemocracy campaign
International Institute for Social History / Amsterdam	Netherlands	Individual Support	Help in producing Europeana content for the #AllezDemocracy campaign
Romanian National Historical Archives	Romania	Individual Support	Help in producing Europeana content for the #AllezDemocracy campaign
Slovakian State Archives	Slovakia	Individual Support	Help in producing Europeana content for the #AllezDemocracy campaign
Archives Hub/UK	United Kingdom	Individual Support	Support on preparation of high quality datasets
National Archives of Portugal and Sweden	Portugal	Individual Support	Support on preparation of high quality datasets
AthenaRC			
Basel Landschaft museums consortium	Switzerland	Individual Support	One-to-one: Provision of data update to Europeana
Archaeology Data Service	United Kingdom	Individual Support	One-to-one: Provision of data update to Europeana
Vilnius University	Lithuania	Individual Support	Metadata enrichment, controlled vocabularies, data republication)
National Archaeology Institute with Museum	Bulgaria	Individual Support	Metadata enrichment, controlled vocabularies, data republication)
Rijksdienst voor het Cultureel Erfgoed	The Netherlands	Individual Support	One-to-one support with update
Národní památkový ústav (National Heritage Institute)	Czech Republic	Individual Support	One-to-one support with update
Instituto de Arqueologia Iberica de la Universidad de Jaen	Spain	Individual Support	One-to-one support with publication of new dataset

BL			
Kist o Riches / Tobar An Duchuis	United Kingdom	Individual Support	One-on-one email contact outlining potential improvements that could be made to datasets, including link to instructions on Basecamp. Outcome: agreement that revision over next six months is achievable
FMS (Friends of Music Society)	Greece	Individual Support	One-on-one email contact outlining potential improvements that could be made to datasets, advice on mapping in order to revise metadata (with support from NTUA), link to instructions on Basecamp. Outcome: agreement that revision over next six months is achievable
ITMA (Irish Traditional Music Archive)	Ireland	Individual Support	One-on-one email contact outlining potential improvements that could be made to datasets, advice on xml lang attributes, link to instructions on Basecamp. Outcome: pending
CNRS (CREM, MMSH, CRESSON, LARHRA)	France	Individual Support	One-on-one email contact outlining potential improvements that could be made to datasets (adding xml:lang to fields), including link to instructions on Basecamp. Advice via email on importing datasets with further support from NTUA. Outcome: under consideration
ICCU (Internet Culturale)	Italy	Individual Support	One-on-one email contact outlining potential improvements that could be made to datasets, including link to instructions on Basecamp. Outcome: confirmation that xml:lang has been done in as much detail as possible; willing to make other revisions to datasets over next six months if necessary
OEM (Austrian Mediatheque)	Austria	Individual Support	One-on-one email contact outlining potential improvements that could be made to datasets, including link to instructions on Basecamp. Outcome: agreement that revision over next six months is achievable
ONB (Austrian National Library)	Austria	Individual Support	One-on-one email contact outlining potential improvements that could be made to datasets, advice on xml lang attributes, link to instructions on Basecamp. Outcome: pending

National Technical Library, Czech Republic (considering setting up a sounds repository in Czech Republic with other institutions)	Czech Republic	Individual Support	One-to-one demonstration of MINT showing how raw metadata can be transformed into EDM format
Biblioteca Catalunya	Spain	Individual Support	Introductory email conversation: explaining how to get signed up as an associate provider to Europeana Sounds; what would be needed from the dataset in order for it to appear on Europeana Music; how we use MINT to transform data.
SB		Individual Support	Recap, via email, on how to revise datasets on MINT; discussion on what revisions could be made
NISV	Netherlands	Individual Support	One-to-one discussion at Aggregators' Forum on data revision targets, advice on xml lang attributes
All Europeana Sounds data providers	-	General support	General communication, via basecamp, on the data quality improvements required under DSI-3 and how these can be achieved
IASA conference in Berlin, September, 2017	Germany	Training workshop	A training workshop on MINT was delivered at the IASA conference in Berlin in September (provided by BL/eSounds partner DIZI)
DIF			
Svenska Filminstitutet (SFI)	Sweden	Individual Support	Provider contact, 100 new video items to be delivered, provider contact regarding delivery of thumbnails for new video items
Cineteca di Bologna (CCB)	Italy	Individual Support	Provider contact regarding update of provider set and bug fixes
Filmoteka Narodowa (FN)	Poland	Individual Support	Provider contact about NonAV multilingual description & AV English titles, descriptions; Advised provider with respect to adaptation of export format for AV objects with the aim of integrating English titles, descriptions and keywords.
Nasjonalbiblioteket (NNB)	Norway	Individual Support	Provider contact about new items, metadata quality
Cinémathèque Royale de Belgique (CRB)	Belgium	Individual Support	Provider contact regarding update of provider set and bug fixes

Tainiothiki tis Ellados	Greece	Individual Support	Feedback on preparation of XML exports and plannings for legacy data improvement (ongoing process)
Museo Nazionale del Cinema	Italy	Individual Support	Feedback on metadata quality and support on application of rights statements
Filmoteca de Catalunya	Spain	Individual Support	Feedback on metadata quality for new contribution; Gave provider final feedback on new export structure
Austrian Film Museum	Austria	Individual Support	Feedback on metadata quality and XML structure issues for new contribution; Supported provider in adaptation of export format to deliver higher quality metadata.
Imperial War Museums (IWM)	United Kingdom	Individual Support	provider contact about possibility to provide replacement thumbnail links
Národní filmový archiv (NFA)	Czech Republic	Individual Support	provider contact regarding provision of new IsShownBy and thumbnail links and access rights to digital objects
Lichtspiel - Kinemathek Bern (LKB)	Switzerland	Individual Support	provider contact regarding provision of spatial information and fixing of OAI-PMH
Det Danske Filminstitut (DFI)	Denmark	Individual Support	provider contact regarding changes in export structure and harvesting of OAI-PMH
Estonian Filmarchives (EFA)	Estonia	Individual Support	Contacted provider about fixing of broken IsShownBy links. Due to staff changes the provider will not be able to update links under DSI-3.
Istituto LUCE Cinecittà	Italy	Individual Support	Contacted provider regarding deduplication of items on Europeana. As deduplication turns out to be more complicated than expected, it will be postponed to DSI-4.
eFashion			
ModeMuseum Hasselt (Belgium)	Belgium	Individual Support	One-on-one support for the mapping improvement of the ingested datasets in the eFashion aggregator.
NISV (Netherlands)	Netherlands	Individual Support	One-on-one contact for the fixing of broken links of a video dataset
Israel Museum (Israel) / Bezalel Academy of Arts and Design	Israel	Individual Support	One-on-one support for improving of metadata mapping of their ingested datasets and to ingest new dataset

Muzealne Mody (Poland)	Poland	Individual Support	One-on-one support for the ingestion of a new collection in the eFashion aggregator, from excel files to the EDM XML production, including the ingestion of the related images in the eFashion repository; One-on-one support to adjust mapping of ingested dataset in MINT
CatwalkPictures (Belgium)	Belgium	Individual Support	One-on-one support for the ingestion of a new dataset directly via a SOAP interface in MINT
Bezalel Academy (Israel)	Israel	Individual Support	eFashion: One-on-one support for the preparation of a dataset to be ingested in the eFashion aggregator; One-to-one support for ingestion and mapping of metadata in MINT
SONS (Shoes or not shoes)	Belgium	Individual Support	One-on-one support to fix mapping
Rossimoda	Italy	Individual Support	One-on-one support to improve mapping
ModeMuze (different providers)	Netherlands	Individual Support	One-on-one support to improve mapping
MCA			
Ukrainian National Contact Point (Olga Barkova at BALI)	Ukraine	Individual Support	One-on-one support to try to fix old datasets (Maksymovych Scientific Library of the Taras Shevchenko Kyiv National University, Research Library, National Pedagogical University after M.P. Dragomanov, The State Scientific and Pedagogical Library of Ukraine after V. Sukhomlynskyi). Preliminary information on the aggregation of new datasets with multilingual issues.
SPK (Germany)	Germany	Individual Support	One on one. Planning the new publication of old datasets (provided under the ATHENA and Linked Heritage projects) and inclusion of new records
Israeli Museum (Israel)	Israel	Individual Support	One on one: Instructions on how to update the collection published in 2010 under the ATHENA project (switch from ESE to EDM, inclusion of new pictures)
Collections Trust (UK)	United Kingdom	Individual Support	One on one: analysis of around 500,000 records provided under the AthenaPlus project; the majority is not EPF compliant.

			Planning of the activities for 2018.
LGMA (Ireland)	Ireland	Individual Support	One on one: analysis of the content provided under the AthenaPlus project; its structure is no more compliant with the current Europeana quality parameters.
Hungarian Fine Arts Museum / Museum of History (Hungary)	Hungary	Individual Support	Planning the aggregation of new collections.
National Documentation Center (Greece)	Greece	Individual Support	Update of the dataset published under the ATHENA project (Parthenon frieze's marbles); One-on-One support for the reallocation of the EKT dataset published under the ATHENA project
Nationalmuseum (Sweden)	Sweden	Individual Support	Content enrichment planned
Music Library of Greece "Lilian Voudouri"	Greece	Individual Support	One-on-One support for the republication of records published under the ATHENA project
Schola Graphidis Művészeti Gyűjtemény	Hungary	Individual Support	One-on-One support for the publication of new records
NISV			
AQSHF (Arkivi Qendror Shteteror i Filmit)	Albania	Individual Support	Contact on resolving the broken links issue and preparing data updates; Advice on how to publish more records on Europeana Collections. Attended EUscreen Newcomers workshop in Madrid.
CTV (Czech Television)	Czech Republic	Individual Support	Contact on resolving the broken links issue
ERT (Hellenic Broadcasting Corporation)	Greece	Individual Support	Contact on resolving the broken links issue
FINA (Filmoteka Narodowa - Instytut Audiowizualny)	Poland	Individual Support	Support on access to MINT, aggregation routes in EUscreen, and advice on content and metadata questions, in order to provide new data as well as update existing datasets
RTV (Radio-televizie Voijvodina)	Serbia	Individual Support	New partner. Support on general workflow and guidelines in EUscreen, extensive advice on first mapping to EDM

			in MINT, which resulted in first publication of dataset on Europeana Collections
RTVE (Radiotelevisión Española)	Spain	Individual Support	New partner. Support on general workflow and guidelines in EUscreen, access to MINT.
NISV (Netherlands Institute for Sound and Vision)	Netherlands	Individual Support	Help with updating part of the dataset
MACE (Media Archive for Central England)	United Kingdom	Individual Support	New partner, advice on EUscreen aggregation process; Attended EUscreen Newcomers workshop in Madrid.
RTK (Radiotelevizioni i Kosovës)	Kosovo	Individual Support	New partner, advice on EUscreen aggregation process
DW (Deutsche Welle)	Germany	Individual Support	one-on-one contact on preparing an update
INA (Institut national de l'audiovisuel)	France	Individual Support	one-on-one contact on preparing an update
TVR (Romanian Television)	Romania	Individual Support	one-on-one contact on preparing an update
NAVA (Hungarian National Audiovisual Archive)	Hungary	Individual Support	Help with preparing an update and fixing a broken link issue
TVC (TV3 Televisió de Catalunya)	Spain	Individual Support	one-on-one contact on preparing an update
RTV SLO (Radio-television Slovenia)	Slovenia	Individual Support	one-on-one contact on preparing an update
ORF (Austrian Broadcasting Corporation)	Austria	Individual Support	one-on-one contact on preparing an update; Support with fixing play out issues, preventing broken links
LCVA (Lithuanian Central Archive)	Lithuania	Individual Support	one-on-one contact on preparing an update
National Digital Archive Poland	Poland	Individual Support	New partner, introduction EUscreen workflow
VRT			Help with updating records in the dataset
Memoriav-RTS			Help with updating records in the dataset
RTÉ			Help with updating records in the dataset

Technische informationsbibliothek	Germany		Potential new partner, advice on EUscreen aggregation process. Attended EUscreen Newcomers workshop in Madrid.
Universidad Carlos III	Spain		Potential new partner, advice on EUscreen aggregation process. Attended EUscreen Newcomers workshop in Madrid.
Photocons			
TopFoto (UK)	United Kingdom	Individual Support	Under discussion the terms of support to be provided for aggregation of a new collection (metadata cleaning and mapping); support in preparation of a new high quality dataset (ca. 1.000 records) to be ingested
Israel Museum (Israel)	Israel	Individual Support	Under discussion the terms of support to be provided for aggregation of a new collection (mapping); Remapping and update of the Photography dataset
GENCAT (Spain)	Spain	Individual Support	Support in finalization of dataset update, according to the requirement/suggestions of the ingestion team
Promoter (Italy)	Italy	Individual Support	Support and liaison with EF and NTUA for dataset update + ingestion of a small new batch
Arbejdermuseet (Denmark)	Denmark	Individual Support	Problem-solving support for broken links
Archivo Jalon Angel (Zaragoza)	Spain	Individual Support	Support on preparation of high quality datasets (tier 2), One-on-one support for building the database from the scratch. IP issues still to be unlocked.
EUROPhoto/Ansa	Italy	Individual Support	Contacts with ANSA, the former coordinator of EUROPhoto project, did not generate the hoped result of resuming the EUROPhoto server (thus allowing the broken links to work again). As a consequence the entire dataset was put offline by Europeana.
Fortepan Archive	Hungary	Individual Support	Contacts with Hungarian archive Fortepan, who were interested in providing content to Europeana. They joined Photoconsortium with the aim of getting trained in 2018 for contribution to Europeana Photography.

Photography professional Oote Boe	France	Individual Support	Support on preparation of high quality datasets
Parisienne de Photo (France)	France	Individual Support	Problem-solving support for broken links (solved); work with them on updating links for isshownby
CRDI (Spain)	Spain	Individual Support	Support in finalization of dataset update, according to the DSI requirement/suggestions (nearly ready for harvesting)
POLFOTO	Denmark	Individual Support	Work to solve the issue of broken links in their dataset, but the original provider (a private company) doesn't exist anymore, being acquired by a major press agency. Contacts with the new people are active with the aim to find room for negotiation.

Annex II: Data quality improvements

The annex states activities from 1 September 2017 until 31 August 2018.

Objective from data quality plan	Progress as of December 2017
2Culture	
Objective 1: Address content with broken links	Athena RC and Europeana Foundation lead on the identification of content with broken links. 2Culture has continued to support this task by contacting partners whose content includes broken links. Work in progress to make updates.
Objective 2: rights statements	2Culture continues to communicate the Europeana Rights labelling framework to data partners and to review the use of rights labels with data partners and Europeana Foundation. Work is in progress with the German Archaeological Institute and KNAW-DANS to complete updates, which will address some rights labelling issues. Longer term discussions are underway involving some data partners and their data providers to explore the potential to offer more open access to in copyright content. Content labeled with Europeana rights statements that have been superseded in the Europeana rights framework by labels provided by Rightsstatement.org is being re-labelled as updates are provided. In the last reporting period the Národní památkový ústav dataset, was re-published and the rights relabeled with a statement from the current framework. 3.07% of CARARE content was published with edm:rights

	statements from the old Europeana rights framework. This content has been re-labeled by EF in Europeana Collections.
Objective 3: Add SKOS concepts for archaeology and architecture. Populate at least 50% of the records with high level subject concepts for archaeology and architecture	High level AAT subject concepts have been added to 72% of CARARE content. During the period datasets for Rijksdienst voor het Cultureel Erfgoed, Národní památkový ústav, Instituto de Arqueologia Iberica de la Universidad de Jaen were provided with subject concepts. Follow-up with EF to ensure the de-referencing of datasets provided for the Discovery Programme and the National Archaeology Institute with Museum.
Objective 4: Improve the availability of contextual metadata Increase to 5% the amount of records with detailed subject concepts for archaeology and architecture related to AAT.	This target set out to increase the number of content items with detailed subject concepts for archaeology and architecture to 5%. We estimate that currently detailed AAT subject concepts have been added to around 3% of the collection. During this period the Instituto de Arqueologia Iberica de la Universidad de Jaen and Discovery Programme datasets were provided in this period with detailed subject indexing.
Objective 5 Improve Multilinguality	Athena RC leads on the addition of xml:lang attributes to existing datasets through the use of automated enrichment services. 2Culture supports the task by recommending the use of xml:lang attributes to data partners as updates/new datasets are provided. All newly provided datasets have improved multilinguality. 90% of CARARE collections have xml:lang attributes for dc:title; 82.5% for dc:description; 34% for dc:subject; and 9% for dc:type. It is worth noting that dc:type indexing in most CARARE collections is limited to standard types: image, text, sound, video, 3D etc.
AIT Graz	
Inclusion of the edm:places metadata delivered by OpenUp! into the more relevant "Location" section of the Europeana Portal	First solutions have been implemented. A testset (of about 140,000 records) has been prepared and harvested by Europeana. New mapping requirements for edm:place and dcterms:spatial have been developed out of data presentation within the Europeana test portal. These requirements have been implemented into the OpenUp! transformation routine and will be visible after the next data harvests to be carried out in autumn 2018. Communication and discussion on a better presentation of OpenUp! Geolinking information, as the OpenUp! (Biodiversity) content in most cases does not link to known place names (but uninhabited areas, like the sea etc., where the specimen has been collected).

skos:Concept and related children	The envisaged solution has been implemented in the OpenUp! transformation routine. A testset (of about 140.000 records) has been prepared and harvested by Europeana. The tests have been evaluated and feedback was sent to Europeana. The updated data presentation shall be visible for the data carrying skos:Concept after the next harvests to be carried out in autumn 2018.
APEF	
apeEAD to EDM conversion improvement	Started investigation on how to create direct links from content provided by institutions; finding a solution will be difficult due to a broad variety in link types (direct links to files, direct links to "wrapper" pages, indirect links to both files and wrapper pages).
Data Quality Plan	Fine-tuned and approved it
BL	
Objective 1: remove all snippets / provide access to full media	BL has increased its records on Europeana Sounds from 79,000 to over 84,000, several hundred of which provide access to full media.
Objective 2: 40% increase of language attributes populated in the following edm properties**:** attributes in dc:description, dc:type, dc:subject and dc:title in accordance with ISO 639-2 two letter code	This objective has been achieved on MINT and the results will appear on Europeana at the next ingestion.
Objective 3: Improvement of geo-location metadata	Improvements made to datasets, parsing place names.
Objective 4: Improvement of the edm:Agent data	This objective has been achieved on MINT and the results will appear on Europeana at the next ingestion.
Objective 5: Improvement of date values	A large number of date values - (around 60,000[?] records) have been revised on MINT to ISO 8601 format - these revisions will appear on Europeana after the next ingestion.
Objective 6: Improvement of concept values	Continuing to add concepts from dbpedia and, also, MIMO terms to describe instrumental recordings. As with objective 4, these revisions are being made at collection and/or item level.
DIF	
Objective 1: Improve multilinguality	89,7 % of the xml:lang attributes in dc:description, dcterms alternative, dc:type, dc:subject and dc:title in accordance with ISO 639-2 two letter code

Objective 2: Improve geolocation (increase from 1,52% to 20%)	69% (with LUCE) and 31% (excluding LUCE records) have edm:Place class
Objective 3: Increase skos: concept class (increase from 12,4% to 20%)	40,7% (with LUCE) and 80,6% (without LUCE) have skos:Concept class
Objective 4: Improve chronological information of NonAV material (increase from 9% to 40%)	33% (with LUCE) and 66,65% (without LUCE) of non-AV records have dcterms:created populated
Objective 5: Improve dc:type for AV records (increase from 36% to 70%)	93% (with LUCE) and 67,17% (without LUCE) of AV records have dc:type populated
eFashion	
100% of the relevant fields have the xml:lang attribute. Sub-objective: Align attributes with ISO 639-3 (older mappings may have 639-2 language tags)	The presence of xml:lang tags for relevant fields has significantly increased, by 9% to a level of about 99% fields with literals with xml:lang attribute.
100% of the records have at least one instance of dc:type	Improvements were made on existing records to get to 100%. For some new datasets added during datasets processed during DSI-3 it was decided not to have all records with at least one instance of dc:type because some records have no values that could be mapped and mapping meaningless generic terms would not add much value.
Provide edm:isShownBy that is a video for edm:type VIDEO	Objective has been completed.
99% of all records with an existing date information element (dc:date or dcterms:created) now have an ISO-compliant date	Objective has been completed.
Expand and exploit the Europeana Fashion Thesaurus	In this period was focused on both the translations and the restructuring of the thesaurus. Indeed the thesaurus hierarchy created around 2013 and 2014 needed to be refreshed and improved, which was finalised in May. Meanwhile is being continued to work on a document which will provide The Getty Research Institute (GRI) with translations for the Art & Architecture Thesaurus. It has become clear that without the needed financial means and time, the institutions which formerly worked on the German and Swedish translations probably will not be able to help checking the existing work nor adding the plurals of the nouns (much recommended for a Getty submission of

	terms). The languages provided by August 2018 will be Dutch, French, Italian (tbc), Greek, Hebrew, Serbian.
Check single datasets for mapping improvements	Examples: ● Improved dc:type mapping of all Catwalk Picture datasets (±300K values added) ● Improved dc:type mapping of all Paul van Riel datasets (est. 5K values added) ● Removal of duplicate records in Les Arts Decoratifs
MCA	
Task 1: Populate 100% of the xml language attributes in dc:description, dc:type, dc:subject and dc:title with the correct value.	Assessment of all 93 datasets completed. Work is in progress for 44 of these datasets. Work is completed for with 90% of the xml:lang attributes populated for 5 datasets. The publication of the datasets is still pending due to technical issues with the MINT version used by MUSEU. To be continued in DSI-4.
Task 2: All Museu data sets should have a 75% of their records meaningfully geolocated. Recommendation: If possible avoid too general spatial information. If the information is available the minimum level of geo-location should be municipal.	Work in the source data is completed for 49 datasets. The publication of the datasets is still pending due to technical issues with the MINT version used by MUSEU. To be continued in DSI-4. All 49 datasets have now meaningfully geolocated values. Whenever possible we assigned a punctual geolocation on GeoNames, otherwise a more generic one. Concerning EDM Place, this information is rarely present in the original metadata and the enrichment needed some extended work to reach the result.
Task 3: All MUSEU datasets should have meaningful conceptual entities, skos:concept, in at least 60% of their records.	Work is in progress for 41 datasets and completed for of 8 datasets. The publication of the datasets is still pending due to technical issues with the MINT version used by MUSEU. To be continued in DSI-4. Challenges addressed during the work: Quite often the required information in the source metadata is missing and it is not possible to determine the conceptual entity. Even in this case the enrichment requires an external investigation. Whenever possible, the enrichment of this class has been done by adding a link to the reference thesaurus.
Task 4: When the type of content is homogenous within a dataset, populate dc:type with a link to the AAT vocabulary item, indicating the type of material or a term that can be	Low degree of feasibility under DSI3; work moved to DSI4. The type of content for almost all of the 93 analysed datasets is not homogenous. This is due to the fact that MUSEU is not a thematic aggregator and museums provide the highlights of their collections that include a variety of

enriched by Europeana. Operations Officer can provide guidance about this.	items (mostly paintings, sculptures and art objects all together). Assigning a AAT vocabulary item to the dc:type is a highly time consuming work.
Task 5.1 dataset 2048087 Portable Antiquities Scheme (Collections Trust)	Not feasible. Collections Trust, as aggregator, can only work on some pictures that will be enlarged. The data are old and the digital library can not be modified anymore. Therefore, the collection will most likely be depublished at the end of 2018.
Task 5.2 dataset 2048077 FotoMarburg	Completed. [FotoMarburg](#) data were republished in June 2018; they sum up to 369,396 records that replace 765,753 records provided under the ATHENA project. FotoMarburg separated the datasets (photographs and depicted objects) in its own digital management system. Europeana now has for each photograph a separate record. The data partner provided records on the depicted objects, with multiple digital images attached (the photographs). This improvement lowered the amount of records in Europeana while the number of pictures remained the same. All records have new identifiers as they in fact describe other CHOs than before. The edm:isShownBy has far bigger images than before. From being not compliant with the Europeana Publishing Framework this set is now tier 2 of the EPF.
Task 5.3.1 2048099 SAN	Not relevant for MUSEU to be improved. Feedback sent to the responsible institute in November 2017: the data partner (ICAR, Central Institute for Archives) would like to pass through the Archives Portal Europe - that is the natural aggregator - instead of MUSEU. ICAR's director declared that he is in contact with the Archives Portal Europe Foundation to improve the data model that does not fit with ICAR requirements.
Task 5.3.2 2048088 Internet Culturale	142,383 records have been removed in November 2017 (subset National Library of Florence). The remaining subsets are not relevant for MUSEU to improve. All datasets that joined Europeana through the ATHENA, Linked Heritage and AthenaPlus projects with the label "CulturaItalia" will be resubmitted in high quality by CulturaItalia after its relaunch later in 2018. The old datasets will then be depublished accordingly.
Task 5.3.3 various CulturaItalia (2048011)	Not relevant to be improved by MUSEU. However, a preliminary analysis was done. The biggest subset,

	MuseiD-Italia holds 69,961 records; it collects the contribution of 100 museums (100 smaller subsets). 32 of these have images not compliant to Europeana requirements. CulturaItalia's technical team has contacted the concerned institutions to improve the records; it plans to reach this objective in the first months of 2018 when the new version of CulturaItalia will be completed. CulturaItalia's technical team is doing the same control on the other subsets of 2048011.
NISV	
Objective 1: Improve multilinguality of properties containing literals	With the improvement of the conceptual entities for the core collection (objective 4), preflabels were added in different languages with the xml:lang tag. For several datasets of the EUscreen aggregated collection the xml:tag was added in the EUscreen MINT instance (not delivered and published on Europeana yet).
Objective 4: Improve the presence of conceptual entities	The mapping of thesauri terms between EUscreen data model and EDM for the EUscreen core collection was fixed. None or just one term provided per record was mapped to EDM, now all thesauri terms provided in a record are mapped. The update was published on Europeana Collections in this reporting period, increasing the amount of conceptual multilingual entities considerably. More recently the mapping of thesauri terms between EUscreen data model and EDM for the EUscreen core collection was expanded with the broader and narrower terms (not delivered and published on Europeana yet).
Objective 5: Remove broken links	NAVA reported broken links, they are fixed in the MINT instance of EUscreen, but not published on Europeana Collections yet in this reporting period. Play out issues for ORF items on the EUscreen website were fixed, preventing broken links on Europeana as well.
Objective 6: edm:object size	In the previous reporting periods the increase of edm:object size was discussed and implemented for the EUscreen core collection of more than 60,000 records. The changes were published on Europeana Collections as well, upgrading these records to Tier 2.
Photocons	
Objective 1 - Re-engineering of the Photoconsortium vocabulary	The original Europeana Photography vocabulary (ca. 500 terms related to photography techniques and subjects) has been reorganised and re-engineered in structure and the existing terms, relating to the photography techniques, were linked to AAT and Wikidata. Once ready, the

	vocabulary with the new links was implemented in MINT aggregation tool.
Objective 2 - Data preparation and mapping training	The training was held in December 2017. The existing datasets were prepared via MINT for adding the new links to authority files (AAT and Wikidata), and then resubmitted to Europeana (not published in Europeana yet). In this task we also added ca. 500 new terms for photography techniques and photography deterioration in the vocabulary, for future use in new datasets. We plan to continue adding new terms.
Objective 3 - Technical metadata improvement	Where the relevant metadata field was populated in the datasets, dc:type, dc:format, dc:terms:medium were improved adding the links to AAT and Wikidata via the vocabulary. The task included improvement of language attributes for these metadata fields, to be added manually at provider's side (done by CRDI/Ajuntament de Girona, Promoter, NALIS). We would like to explore a solution via MINT for implementing language attributes automatically without the need of intervention at provider's side.
Objective 4 - Agents metadata improvement	A photographers' index was created with links to Wikidata, and integrated in MINT for the normalisation and enrichment of datasets. The normalisation was done automatically via MINT on all the datasets. We plan to enlarge the photographer's index for future use in new datasets: this implies to create Wikidata pages for less known photographers.
Objective 5 - Contextual and informational metadata improvement	ISO format for dates and spatial values were improved or manually added at provider's side, and then published/republished in Europeana (datasets by Promoter, CRDI).
Objective 6 - General metadata improvement	Language attributes were manually added at provider's side, and then published/republished in Europeana (datsets from Promoter, NALIS, CRDI, Israel Museum)
Objective 7 - Content improvement	Next to always advocating content providers for tier 2 and above, the amount of tier 2 records managed by Photoconsortium now is +220.000 records (collections by CRDI, United Archives, Promoter, KU Leuven, Lithuanian Art Museum, Parisienne, ICIMSS, a part of TopFoto). In addition, there are two other providers i.e. KIK-IRPA and Fortepan, who are members of Photoconsortium and who publish tier 3 datasets via other aggregators.

Objective 8 - Licensing improvement	Next to always advocating content providers for as much open licensing as possible, the rights statements were updated for all the datasets
Objective 9 - A Photoconsortium Europeana metadata strategy document	Discussion and initial draft for a public document was initiated and will prosecute

Annex III: Communication and dissemination activities

The annex states activities from 1 September 2017 until 31 August 2018.

Partner	Name of event	Activity	Location	Date	Website/ Resource
EF	Podcast: The Europeans	Interviewed for podcast	Online	08/08/ 2018	https://soundcloud.com/user-584654470/august-7-piss-and-populism
EUN	Europeana in the classroom	Online blog by Hungarian teacher and the Ministry of Education	Online	25/07/ 2018	http://hirmagazin.sulinet.hu/hu/hirek/europeana-az-osztalyteremben
EUN	Online blog post on the Scientix blog	From Pixel to Plastic: Using Europeana as a resource for 3D printing projects	Online	23/07/ 2018	http://blog.scientix.eu/2018/07/from-pixel-to-plastic/
AIT-Graz	DCPS Day	Presenting OpenUp! and Europeana to scientific community	Berlin University, Germany	10/07/ 2018	
EF	CORPUS Workshop (in French)	Presentation of Europeana-related work on semi-automatic vocabulary alignment	Paris, France	10/07/ 2018	https://bnf.hypotheses.org/4128
NISV	EUscreen Annual Network Meeting	General Assembly meeting and network meeting	Madrid, Spain	5 - 6/07 2018	

DIF	Annual General Meeting of ACE	Update on Europeana DSI-3 at the General Assembly of ACE	Bologna, Italy	27/06/ 2018	
EF	High Level Conference - Cultural Heritage in Europe	Panel Member	Brussels, Belgium	26/06/ 2018	
INESC-ID	22nd International Conference on Electronic Publishing	Paper publication and presentation	Toronto, Canada	22-24/06/ 2018	http://epress.ut sc.utoronto.ca/ elpub2018/
KL	Final conference ReACH @ UNESCO	Persentation about Europeana and open access to cultutral heritage	Paris, France	22/06/ 2018	
EF	European Cultural Summit 2018	Presentation of Europeana	Berlin, Germany	21-23/06/ 2018	http://europea n-cultural-herit age-summit.eu /
EF	Open Science and the Humanities	Presentation on 'Europeana: how open cultural data supports discovery, reuse and innovation in digital humanities'	Barcelona, Spain	20-21/06/ 2018	http://www.ub. edu/openscien ceandthehuma nities/
EF	Archaeology and Architecture in Europeana	Presentation on Europeana Collections and Archaology in Europeana	Lund, Sweden	20/06/ 2018	http://www.car are.eu/events/ archaeology-ar chitecture-euro peana/
INESC-ID, EF	IIIF Discovery Workshop	Presentation and demo	Stanford, USA	19-20/06/ 2018	https://pro.eur opeana.eu/eve nt/europeanat ech-conference -2018
MCA	Conference on Digital CH in the framework of the European Summit of CH	Co-organized by MCA/IFM-SPK/Musa /NEMO	Berlin, Germany	19/06/ 2018	http://europea n-cultural-herit age-summit.eu /events/cultura l-heritage-com munities-and-a udiences-in-tod

					ays-digital-environment?card=7513
EF, EUROCLIO	EdTechXEurope Conference	Presentation of Europeana	London, UK	19/06/2018	http://londonedtechweek.com/
F&F	European Cultural Heritage Summit	Info stand together with Kultureben Kiel at conference Sharing as a Chance	Berlin, Germany	18-22/06/2018	https://sharingheritage.de/veranstaltungen/sharing-als-chance-buergerschaftliches-engagement-und-kulturelles-erbe/
F&F	European Cultural Heritage Summit	Presentation of Europeana Transcribathon at conference "Visions for Culturall Heritage and digital platforms"	Berlin, Germany	18-22/06/2018	http://european-cultural-heritage-summit.eu/veranstaltungen/konferenz-der-blick-auf-das-kulturelle-erbe-und-digitale-plattformen?card=9758
2Culture	Archaeology and Architecture in Europeana	Organisation of annual conference workshop	Lund, Sweden	20/06/2018	http://www.carare.eu/events/archaeology-architecture-europeana/
KL	FInal confernce EnDOW @ EUIPO	Presentation of Europeana perspective on rights clearance for Oprhan Works	Alicante, Spain	15/06/2018	http://diligentsearch.eu/diligent-search-eu-challenges-opportunities/
APEF	"Machine Reading the Archive" - Cambridge DH Network final seminar	Presentation of Archives Portal Europe	Cambridge, UK	14/06/2018	https://www.cdh.cam.ac.uk/
Photocons	Photoconsortium Annual Event 2018	Presentation on Europeana Collections	Barcelona, Spain	12/06/2018	http://www.photoconsortium.net/photoconsortium-annual-event-2018-barcelona-12-june/

EF	Creative Europe Forum 2018, the Balkans Heritage Itinerary conference	Presentation on Europeana	Belgrade, Serbia	11-13/06/2018	
Photocons	Aperitivo con Doisneau	Participation to a special event at Museo della Grafica during a photo exhibition by R. Doisneau	Pisa, Italy	08/06/2018	http://www.photoconsortium.net/aperitivo-con-doisneau/
SPK, CLARIN	DHBenelux	Presentation on Interoperability between Europeana and CLARIN	Amsterdam, Netherlands	07-08/06/2018	http://2018.dhbenelux.org/
INESC-ID	Extended Semantic Web Conference 2018	Paper publication and presentation	Heraklion, Greece	06-08/06/2018	https://2018.eswc-conferences.org/
APEF	Eogan 2018	Presentation of Archives Portal Europe at Eogan 2018	Stavanger, Norway	06-07/06/2018	www.eogan.org
F&F	DDB Forum Berlin	Presentation of Transcribathon/presentation stand	Berlin, Germany	04-05/06/2018	
MCA	5th EYCH Stakeholder and National Coordnators meetings and joint meeting	Representing Michael Culture	Brussels, Belgium	04-05/06/2018	
Photocons	CEPIC Congress	Participation to special track "Unlocking Archives with Innovation, Funding and Partnership" with presentation/dissemination about Europeana Collections and discussion on copyright issues	Berlin, Germany	01/06/2018	http://www.photoconsortium.net/photoconsortium-at-cepic-2018/

EF	Hungarian National Workshop	Presentation on Europeana	Budapest, Hungary	01/06/ 2018	https://pim.hu/ hu/esemenyek/ europeana-hun garian-worksho p
Photocons	Paper for Euromed conference	PHOTOCONSORTIU M: opening up the riches of Europe's Photographic Heritage" about the collections and the metadata improving actions of DSI2 and 3.		06/2018	
EF	DH Budapest 2018 conference	Presentation on Europeana's semantic enrichment	Budapest, Hungary	30/05/ 2018	http://elte-dh.h u/program/
EF	Bulgarian National Workshop	Presentation on Europeana	Varna, Bulgaria	30/05/ 2018	
EF	GIFT annual conference	Presentation on Europeana	Copenhagen , Denmark	29-31/05/ 2018	
EF	Bulgarian Presidency	Presentation on Europeana	Varna, Bulgaria	28-29/05/ 2018	
EF	Bildung in der digitalen Welt	Presentation on Europeana	Hannover, Germany	28-29/05/ 2018	https://elan-ev. de/kmk/
MCA	International Conference on Digital Humanities	Communication partner & member of the program committee	Budapest, Hungary	27-31/05/ 2018	http://elte-dh.h u/conf/
SPK	65th Annual Conference of the German Association for American Studies, Digital American Studies Initiative Forum	Presentation about Europeana Newspapers	Berlin, Germany	26/05/ 2018	https://www.sli deshare.net/cn eudecker/euro peana-newspa pers-in-a-nutsh ell-99202179
EF	Digital Cultural Preservation Event	Presentation on Europeana	Washington DC, USA	23/05/ 2018	http://events.e uintheus.org/e vents/digital-cu ltural-heritage-

					where-the-past-meets-the-future/
EF	EuropeanaTech Conference 2018	Panel Member; Representing Europeana	Rotterdam, Netherlands	16-17/05/2018	https://pro.europeana.eu/event/europeanatech-conference-2018
EUN	Workshop for Bulgarian teachers	Presentation of the Europeana DSI-3 MOOC for teachers	Sofia, Bulgaria	12-13/05/2018	
NISV	COPEAM Conference "Heritage and Media – Preserving the future through our past: an opportunity for growth and democracy?"	Panel: Cultural heritage as an opportunity for economic and social development	Calviá - Mallorca, Spain	10-12/05/2018	http://www.copeam.org/conference/copeam-25th-annual-conference-and-24th-general-assembly/
Photocons	REACH conference and Migration collection day	Participation to the event	Budapest, Hungary	10-11/05/2018	http://www.photoconsortium.net/europeana-collection-days-budapest/
SPK	Digging Into Data Project Oceanic Exchanges Workshop	Presentations regarding Europeana Newspapers and Europeana Newspapers Named Entity Recognition	Stuttgart, Germany	08-09/05/2018	http://oceanicexchanges.org/
KL, AIT-Graz	DBB forum	Presentatiomn about ELF and rightsstatements.org	Berlin, Germany	05/05/2018	https://www.deutsche-digitale-bibliothek.de/static/files/asset/document/ddbforum_programmvorschau.pdf
EUN	Scientix 3 Conference	2 x Presentation of the Europeana	Brussels, Belgium	04-06/05/2018	http://www.scientix.eu/conference

		DSI-3 MOOC for teachers			
DIF	2018 FIAF Symposium Sharing	Presentation on aggregating metadata for EFG	Prague, Czechoslova kia	24/04/ 2018	http://fiaf2018. nfa.cz/
EF	Digital Single Market & Its Impact on Culture & Media	Panel Member; Representing Europeana	Zagreb, Croatia	19-20/04/ 2018	http://culpol.ir mo.hr/registrat ion-is-open-for- the-internation al-round-table- digital-single-m arket-and-its-i mpact-on-cultu re-and-media-i n-croatia/
EF	DCHE	Representing Europeana	Luxembourg	17/04/ 2018	
EUN	21st Science Projects Workshop	Presentation about the Europeana MOOC	Brussels, Belgium	14-15\04\ 2018	http://www.sci entix.eu/spw21 -at-fcl-after
EF	Encyclopedia of Big Data Technologies	Article on "Knowledge Graphs in the Libraries and Digital Humanities Domain"	Online	13/04/ 2018	https://doi.org/ 10.1007/978-3- 319-63962-8_2 91-1
EF, Photocons , AIT-Graz	ViMM Event	Speaker; Representing Europeana, Participation	Berlin, Germany	12-13/04/ 2018	https://www.vi- mm.eu/
EF	Cultural Heritage Charter Feedback Session	Speaker; Representing Europeana	The Hague, Netherlands	09/04/ 2018	https://libereur ope.eu/events/ feedback-work shop-reuse-of- cultural-heritag e-charter/
Photocons	ECHIC conference	Presentations "Publishing Thematic Collections on Europeana – the Challenge of Big CH Repositories" + "Creative with Digital Heritage: the	Leuven, Belgium	06/04/ 2018	https://www.ar ts.kuleuven.be/ echic-2018/Pro gramme

		Europeana Space MOOC"			
EF	Government Europa Quarterly, Issue 25 (page 52-53).	An interview with Harry Verwayen on the benefit for European citizens of digitising cultural heritage	Online	April 2018	http://edition.pagesuite-professional.co.uk/html5/reader/production/default.aspx?pubname=&edid=e9f3c786-3eca-4851-b7d4-1fb8a6e5f5d8
EF	Online Information Quality	Presentation: Data Quality Issues at Europeana	Leiden, Netherlands	26-29/03/2018	https://www.lorentzcenter.nl/lc/web/2018/982/info.php3?wsid=982
EF	SEG (School Education Gateway) webinar	Presenting Europeana as educational resource	Online	27/03/2018	
EF	Innovation and Cultural Heritage - High-level Horizon 2020 conference of The European Year of Cultural Heritage	Representing Europeana	Brussels, Belgium	20/03/2018	https://ec.europa.eu/info/events/innovation-and-cultural-heritage-2018-mar-20_en
EF	Cultural Heritage in Digital Era, EU Info Centar	Presentation and Panellist	Belgrade, Serbia	16/03/2018	https://europa.rs/digitization-debate-kicks-of-the-cultural-heritage-campaign/?lang=en
EF	Journée Biblissima et IIIF : Innover pour redécouvrir le patrimoine écrit	Presentation: Europeana et IIIF [French]	Paris, France	15/03/2018	http://www.biblissima-condorcet.fr/fr/evenements/journee-biblissima-iiif-innover-redecouvrir-patrimoine-ecrit-2018
EF	High Level Meeting Education	Representing Europeana	Brussels, Belgium	14/03/2018	

EF	4th EYCH Stakeholder and National Coordnators meetings and joint meetings	Representing Europeana at stakeholder and partner level for the European Year of Cultural Heritag	Brussels, Belgium	7-8/03/ 2018	
F&F	Special Europeana Crowdsourcing Workshop of Japan Digital Archive Society	Presentation of Europeana 1914-1918 and Transcribathon.eu	Tokyo University, Japan	23/02/ 2018	http://digitalarc hivejapan.org/ bukai/gijutsu
EF	Structural and Financial Barriers in the Access to Culture	Participated as Expert in the public hearing	Brussels, Belgium	21/2/ 2018	
EFG	DIF reception at the Berlinale	Presentation of EFG (website, trailer)	Berlin, Germany	20/02/ 2018	
EF	Consultation on European Agenda for Culture	Stakeholder consultation meeting	Brussels, Belgium	19/2/ 2018	https://ec.euro pa.eu/culture/p olicy/strategic-f ramework_en
EF	EduSpot	Representing Europeana in a workshop of the French Ministry of Education	Paris, France	15/02/ 2018	https://www.ed uspotfrance.fr/
F&F	Colloquium of Georg Eckert Institute, Leibniz-Institute for International Textbook Research	Presentation of Europeana 1914-1918 and Transcribathon.eu	Braunschwei g, Germany	14/02/ 2018	http://www.gei. de/fileadmin/g ei.de/pdf/press e/Drauschke_G EI_Kolloquium_ 2018.pdf
INESC-ID, CLARIN	EUDAT conference	Poster presentation: "Bringing Europeana and CLARIN together: Dissemination and exploitation of cultural heritage data in a research infrastructure"	Porto, Portugal	22-25/01/ 2018	https://eudat.e u/eudat-confer ence-posters-0 #6

INESC-ID	EUDAT conference	Poster presentation: "The Europeana Data Pilot: outcomes and conclusions"	Porto, Portugal	22-25/01/2018	https://eudat.eu/eudat-conference-posters-0#5
INESC-ID	Semantic services in EOSC workshop - EUDAT conference	Presenting Europeana requirements for semantic services in the context of (research) data infrastructures	Porto, Portugal	22-25/01/2018	https://eudat.eu/semantic-services-in-eosc
F&F	Transcribathon Kieler Gelehrtenschule	Presentation of Europeana 1914-1918 and Transcribathon.eu	Kiel, Germany	19/01/2018	https://transcribathon.com/en/runs/kiel/
EUN	Europeana Education: bringing Europe's cultural and scientific heritage to teachers, students and lifelong learners	News article on the School Education Gateway	Online	10/01/2018	https://www.schooleducationgateway.eu/en/pub/latest/news/europeana-education.htm#.Wm406p3-sjU.linkedin
INESC-ID, EF	Published article in: Information Services & Use Journal	Article: "Web technologies: a survey of their applicability to metadata aggregation in cultural heritage"	Online	08/01/2018	https://content.iospress.com/articles/information-services-and-use/isu859
EF	PeriodO workshop	Representing Europeana, discussing interoperability of time periods	Chapel Hill, USA	18-19/12/2017	http://perio.do/
INESC-ID	IEEE Big Data 2017: 2nd Computational Archival Science workshop	Presentation/paper: Building new knowledge from distributed scientific corpus: HERBADROP & EUROPEANA: Two concrete case studies for	Boston, USA	13/12/2017	http://dcicblog.umd.edu/cas/ieee_big_data_2017_cas-workshop/

		exploring big archival data'			
EF	Les lundis numériques de l'INHA en 2017-2018	Presenting Europeana	Paris, France	11/12/ 2017	https://www.inha.fr/fr/agenda/parcourir-par-annee/en-2017/decembre-2017/des-nouvelles-d-europeana.html
EF	European Culture Forum	Representing Europeana	Milan, Italy	07-08/12/ 2017	https://ec.europa.eu/programmes/creative-europe/events/20171207-european-culture-forum-2017_en
EF	Linked Pasts III: New Voices, Old Places	Contribution on coordinating the Linked Pasts community	Stanford, USA	04-06/12/ 2017	https://www.eventbrite.com/e/linked-pasts-iii-new-voices-old-places-registration-35950529000
EF, INESC-ID	SWIB 2017 Semantic Web in Libraries	Presentation: Perspectives on using Schema.org for publishing and harvesting metadata at Europeana	Hamburg, Germany	04-06/12/ 2017	http://swib.org/swib17/
FINA (Generic Services project partner), EF	Game Jam with History	Presenting & Representing Europeana	Warsaw, Poland	01-03/12/ 2017	http://tueuropeana.pl/
PHOTOCONS	REACH kick-off meeting	PHOTOCONSORTIUM and its activities, including DSI3 and Migration were presented to the partners of this new EU H2020 project	Berlin, Germany	01-02/12/ 2017	http://www.digitalmeetsculture.net/article/reach-kick-off/

CLARIN, INESC-ID	Digital Infrastructures for Research 2017	Presentation: "Bringing Europeana and CLARIN together: Dissemination and exploitation of cultural heritage data in a research infrastructure "	Brussels, Belgium	30/11 - 01/12 2017	https://indico.egi.eu/indico/event/3455/session/1/contribution/14
EF	Culture & Innovation Lab	Presenting Impact	Hamburg, Germany	28/11/ 2017	
EF	Europeana 1914-1918 et Transcribathon dans la salle de classe	Transcribathon Presentation & Workshop for Teachers	Luxembourg, Luxembourg	23-24/11/ 2017	https://www.c2dh.uni.lu/events/personal-sources-wwi-and-citizen-science-opportunities-research-and-education-project
EF	Sharing is Caring	Presenting Impact	Aarhus, Denmark	19-21/11/ 2017	http://sharecare.nu/aarhus-2017/
PHOTOCONS	IATED/ICERI 2017 CONFERENCE	Two presentations and paper proceedings: "EUROPEANA THEMATIC COLLECTIONS AND EDUCATION: ALLIANCES FOR OPEN CONTENT" and "INNOVATE YOUR CLASSROOM WITH EUROPEANA COURSE CAPSULES – READY FOR CONSUMPTION!"	Sevilla, Spain	16-18/11/ 2017	http://www.photoconsortium.net/iceri-conference-for-educational-innovations/
EF	Finnish National Museum Seminar "Collections: storing and using of the metadata"	Presentation: Data scale and diversity issues at Europeana	Helsinki, Finland	16-17/11/ 2017	
EF	Connected Data London	Presentation: Transforming Access to Culture &	London, UK	16/11/ 2017	http://connected-data.london/programme-2017/

		History with Connected Data			
PHOTOCONS, eFASHION	EVA MINERVA	Presentation: "Open Sesame: Europeana's Thematic Collections on Photography and Migration"; Presentation of the Europeana Fashion Collection and of the Europeana Collections	Jerusalem, Israel	13/11/2017	http://www.photoconsortium.net/photoconsortium-at-eva-minerva-2017/
EF	Open licences, open content, open data: tools for developing digital humanities, 2017	"Workshop: Bringing Wikipedia inside the cultural institution"	Tartu, Estonia	2/11/2017	http://dh.org.ee/category/events/dhe2017/
EF	WikidataCon	Coordinating session "How can GLAMs grab the low hanging fruit?"	Berlin, Germany	28-29/10/2017	https://www.wikidata.org/wiki/Wikidata:WikidataCon_2017
EUROCLIO	eTwinning Conference	Presentation of Europeana and activities	Malta	26-27/10/2017	http://www.anefore.lu/evenements/conference-etwinning-a-malte/
EF	UNESCO-NDL International Workshop on Knowledge Engineering for Digital Library Design!	Presenting and Representing Europeana	New Delhi, India	24-28/10/2017	http://www.iconf.ndl.iitkgp.ac.in/#
SPK	Impresso project kick-off meeting	Presentation of Europeana Newspapers and participated in a workshop on researcher needs of the impresso project	Lausanne, Switzerland	24-25/10/2017	http://impresso-project.ch/

EF	Smithonian Impact Conference	Launching European Impact Playbook	Washington DC, USA	17-21/10/2017	https://dpo.si.edu/2017-smithsonian-digitization-fair-welcome-0
eFashion	Brandy17	Presentation of the Europeana Fashion collection at an international conference	Milan, Italy	17-18/10/2017	http://www.brandyspace.com/
EF	THE ARTS+ Fair (Frankfurt Book Fair)	Presentation of Europeana and activities in the Business Hub area to build new partnerships between Europeana and the creative industries sector	Frankfurt, Germany	11/-12/10/2017	https://theartsplus.com/
EF	Museums in the Digital Age	Presentation of the benefits of working with Europeana to a conference audience of museum professionals and students	Munich, Germany	05/10/2017	https://www.pinakothek.de/musmuc17
EF	DIDACTA 2017	Presentation in the workshop "Digital content for education & OER"	Florence, Italy	27-29/09/2017	http://fieradidacta.indire.it/en/
EF	API World conference	Received API Award: Data API for the Europeana REST API and opportunity to connect to various (mainly commercial) developers.	San Jose, USA	23-28/09/2017	http://apiworld.co/
EF, CLARIN	CLARIN Annual Conference 2017	Representing Europeana Research and its activities	Budapest, Hungary	18-20/09/2017	https://www.clarin.eu/content/programme-clarin-annual-conference-2017

EF, INESC-ID	TPDL 2017	Presentation of paper "Metadata aggregation: assessing the application of IIIF and Sitemaps within cultural heritage"	Thessaloniki, Greece	19/09/2017	http://www.tpdl.eu/tpdl2017/
EF, USFD	TPDL 2017	Presentation of paper "What Information Users Search for Using Europeana and Why"	Thessaloniki, Greece	19/09/2017	http://www.tpdl.eu/tpdl2017/
EF, INESC-ID	TPDL 2017	Presentation of paper "Data Quality Assessment in Europeana: Metrics for Multilinguality"	Thessaloniki, Greece	19/09/2017	http://www.tpdl.eu/tpdl2017/
EF	Forum Europe Ruhr / Culture 360	Panel participation "International funding environments - programmes for prosperity"	Essen, Germany	06-07/09/2017	http://www.e-c-c-e.de/en/forum-europe-ruhr.html
2Culture	Towards digital infrastructures for open, participatory, public archaeology, EAA 201	Co-organiser of conference session exploring how digital infrastructures are providing new ways to make connections between those involved in the protection of the archaeological heritage, researchers, commercial archaeology and the public and the impact of the 1993 Valetta convention.	Maastricht, Netherlands	01/09/2017	http://www.carare.eu/events/carare-session-eaa-2017/

Annex IV: Update on pre-existing rights

This is a current list of pre-existing rights related to activities and outcomes of Europeana DSI. Any partner reserves the right to express pre-existing rights during the project by adding/updating the list below. Communication and PR-activities from all partners are not considered outcomes or results, as is content produced by data or content providers, delivered to Europeana and aggregators. The list was reviewed and updated in August 2018 by all partners.

1. **Europeana Foundation (EF)**

Pre-existing material	Rights to pre-existing material	Identification of rights holder
Any document or digital object, created by Europeana Foundation, before 31 August 2017, whether published or not;	Copyright	Stichting Europeana
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The metadata databases, digital object databases and source code; software licences; computers and usage rights over leased computers and computer storage, hosting and connectivity agreements;	Licenses, database rights and copyright	Stichting Europeana
All rights which the Stichting Europeana holds under its agreements with data providers (the Data Exchange Agreements), concluded before 31 August 2017.	License(s)	Stichting Europeana

2. **2Culture Associates Ltd (2CULTURE)**

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The CARARE.eu domain name	Registered domain name	2Culture Associates Ltd

Any document or digital object, created by either the CARARE project or the CARARE CLG before 31 August 2017 whether published or not.	Copyright	CARARE (Connecting Archaeology and Architecture in Europe) company limited by guarantee
The contact databases, metadata, source code, software licences, computers and usage rights over computer storage, hosting and connectivity agreements.	Licenses, database rights and copyright	2Culture Associates Ltd

3. Association des Cinémathèques Européennes ASBL (ACE)

Pre-existing material	Rights to pre-existing material	Identification of rights holder
Any document or digital object, created by ACE before 31 August 2017, whether published or not;	Copyright	ACE
Any document or digital object, created by EFG before 31 August 2017, whether published or not;	Copyright	ACE/EFG

4. AIT Angewandte Informationstechnik Forschungsgesellschaft mbH (AIT GRAZ)

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Any document or digital object, created by OpenUp!, before 31 August 2017, whether published or not;	Copyright	OpenUp! Partners
OpenUp! project website: http://open-up.eu/en, including ownership of the domain name, hosting, CMS, design, texts, shared documents (deliverables, minutes, presentations, other documents from project meetings and working groups, etc.); training material	Copyright	OpenUp! Consortium
OpenUp! Natural History Aggregator; workflow, including harvest, mapping to ESE/EDM transformation, enrichment with - currently three - supplemental resources, transfer via OAI-PMH Interface to Europeana	Copyright, data base rights	OpenUp!

5. AIT Austrian Institute of Technology GmbH (AIT VIENNA)

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The Image Similarity Search service	Licenses, database rights and copyright	AIT Austrian Institute of Technology GmbH
The Music Information Retrieval service	Licenses, database rights and copyright	AIT Austrian Institute of Technology GmbH
The Europeana-Client library, implementing support for remote invocation of Europeana Search API	Licenses, copyright	AIT Austrian Institute of Technology GmbH
The API-Commons library, implementing non-functional support for API development.	Licenses, copyright	AIT Austrian Institute of Technology GmbH
The Annotation-Id library, implementing object serialization into JSON-LD format.	Licenses, copyright	AIT Austrian Institute of Technology GmbH
The Europeana Datasets library, implementing support for aggregating user defined datasets from Europeana	Licenses, copyright	AIT Austrian Institute of Technology GmbH

6. **Archives Portal Europe Foundation (APEF)**

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Archives Portal Europe front-end: includes design, texts (English originals), technical settings/definition of the search index, source code for portlets in various parts of the front-end such as Search, Directory, Featured Documents, Topics, etc.	Copyright	APEF
Archives Portal Europe front-end section for registered users: includes design, texts (English originals), source code for portlets/functionalities in "My pages" (saved searches, bookmarks, collections)	Copyright	APEF
Redmine / Jira bugtracker tools	Licenses	APEF

Local Data Preparation Tool: includes design, source code for various parts (admin, conversion, validation, conversion to EDM, reports and extensions, creation/edition, etc.). XSLT-s, schema files, etc.	Copyright	APEF
OAI-PMH repository; Search Widget	Copyright	APEF
Archives Portal Europe back-end (dashboard): includes design, source code for various parts (admin, country manager/institution manager accounts, uploads, conversion, validation, publication/indexing, previews, conversion to EDM, delivery to Europeana, downloads, dashboard profiles, reports, creation/edition, etc.), XSLT-s, schema files, etc.	Copyright	APEF
APE API services	Copyright	APEF
Manuals for using the Archives Portal Europe and its tools (English originals): i.e. Country Manager Manual, Institution Manager Manual, Manual for the DPT, Manual for the OAI Console, Instructions for the search widget	Copyright	APEF
APEF wiki including all content (all manuals and technical documentation)	Copyright	APEF
Ownership of the URL archivesportaleurope.net including all subpages	Copyright	APEF
Admin access to portal(s) and dashboard(s) in all five server environments	Licenses	APEF
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apeMETS /apeMETSRights: includes schema file(s), documentation and manuals	Copyright	APEF
Mapping and conversion to ESE and EDM	Copyright	APEF

APEnet project website: apenet.eu, including ownership of the domainname, hosting, CMS, design, texts, shared documents (deliverables, minutes, presentations, other documents from project meetings and working groups, etc.);	Copyright/licenses	APEF
APEx project website: apex-project.eu, including ownership of the domainname, hosting, CMS, design, texts (except for Articles section), shared documents (deliverables, minutes, presentations, other documents from project meetings and working groups, etc.)	Copyright/licenses	APEF
APEF website: archivesportaleuropefoundation.eu, including ownership of the domainname, hosting, CMS, design, texts (except for Articles section), shared documents (deliverables, minutes, presentations, other documents from project meetings and working groups, etc.)	Copyright/licenses	APEF
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All videos as produced for the tutorial section of the APEnet, APEx and APEF websites mentioned above as well as for the youtube and vimeo channels	Copyright	APEF
All Archives Portal Europe content, ie metadata and digital objects, either created before or after 31 August 2017	Copyright	APEF partners and content providers

7. **Athena Research and Innovation Center in Information Communication and Knowledge Technologies (ATHENARC)**

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The LoCloud vocabulary service, databases, source code and software licences	Licenses, database rights and copyright	Angewandte Informationstechnik Forschungsgesellsch aft mbH (AIT)

The LoCloud vocabulary matching and background linking services, databases, source code and licences	Licenses, database rights and copyright	University of the Basque Country
The LoCloud geolocation enrichment services, databases, source code and licences	Licenses, database rights and copyright	Institute for the Protection of Cultural Heritage of Slovenia
The LoCloud language identification service	Licenses, database rights and copyright	Athena Research and Innovation Centre
The LoCloud Geo-normalization service	Copyright	Athena Research and Innovation Centre
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The MORe Subject mappings service	Copyright	Athena Research and Innovation Centre
The MORe Temporal mappings service	Copyright	Athena Research and Innovation Centre
The CARARE MINT software, databases, source code and licences	Licenses, database rights and copyright	National Technical University of Athens

8. The British Library Board (BL)

The British Library Board was the lead partner of the Europeana Sounds project and continues to lead the Europeana Sounds Task Force. Europeana Sounds' aggregation tool is based on MINT software developed by partner NTUA and made available under the GPL licence. Data providers, who were partners or associate partners of Europeana Sounds, signed the Data Exchange Agreement (DEA) with EF and provided their content and metadata in accordance with the DEA.

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The europeanfilmgateway.eu domain name	Registered Trademark(s)	DIF

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The metadata databases, digital object databases and source code; software licences; computers and usage rights over leased computers and computer storage, hosting and connectivity agreements;	Licenses, database rights and copyright	eFashion

14. **EUN Partnership AISBL (EUN)**

EUN Partnership will develop, under the Europeana DSI-3 project, a set of teaching and training materials using an already established activity template, the Learning Scenario (template belonging to the Future Classroom Lab, developed in the iTEC project 2010-2014) and, using these materials, will create a Massive Online Open Course (MOOC), to be hosted on the European Schoolnet Academy. The European Schoolnet Academy is a private initiative of EUN Partnership, in the form of a professional development platform focusing on innovation in the school and classroom, which offers free massive open online courses (MOOCs) for teachers in primary and secondary schools. All the teaching and training materials, and the MOOC will be made available under Creative Commons, allowing derivatives. As the work of European Schoolnet, in DSI-3, is a work in progress, this declaration of pre-existing rights will be updated regularly, together with the project reports, and might be subject to changes.

Pre-existing material	Rights to pre-existing material	Identification of rights holder
FCL Learning Scenario template and toolkit	Copyright	EUN Partnership aisbl
European Schoolnet Academy	Copyright	EUN Partnership aisbl

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The Historiana Trademark	Trademark	EUROCLIO

16. Facts & Files Historisches Forschungsinstitut Berlin Drauschke Schreiber Partnerschaftsgesellschaft Archiv-, Geschichts- und Literaturwissenschaftler (F&F)

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17. INESC-ID, Instituto de Engenharia de Sistemas e Computadores - Investigação e Desenvolvimento em Lisboa (INESC-ID)
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20. Michael Culture AISBL (MCA)
MUSEU aggregation tool is based on MINT software developed by partner NTUA and made available under the GPL licence. MCA is a European association, and the content providers who are members of MCA and are willing to cooperate in the DSI3 activities all signed the DEA.

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22. National Technical University of Athens (NTUA)

Pre-existing material	Rights to pre-existing material	Identification of rights holder
MINT aggregation platform	Copyright	National Technical University of Athens

23. International Consortium for Photographic Heritage Photoconsortium (PHOTOCONS)
Photoconsortium's aggregation tool is based on MINT software developed by partner NTUA is made available under the GPL licence. Photoconsortium is an association, and the content providers who are members of Photoconsortium and are willing to cooperate in the DSI3 activities all signed the DEA.

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24. Instytut Chemii Bioorganicznej Polskiej Akademii Nauk - Poznańskie Centrum Superkomputerowo-Sieciowe (PSNC)

Pre-existing material	Rights to pre-existing material	Identification of rights holder
Source code contributed to Europeana software systems	License / IPR to source code	Instytut Chemii Bioorganicznej Polskiej Akademii Nauk - Poznańskie Centrum Superkomputerow o-Sieciowe (PSNC)
Source code of LoCloud Collections service	License / IPR to source code	Instytut Chemii Bioorganicznej Polskiej Akademii Nauk - Poznańskie Centrum Superkomputerow o-Sieciowe (PSNC)

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