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B.2 Periodic report 5

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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This deliverable contains original unpublished work except where clearly indicated otherwise.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 fifth periodic report follows up on the deliverables B.2 of M2, M4, M6, M8[1] and describes the work carried out in Europeana DSI-3 from 1 May 2018 until 30 June 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 May 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 report M2 and M4. 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 quarterly user satisfaction survey for Europeana Collections was undertaken in May/June 2018. 92% of users surveyed rated Europeana Collections three (out of five)[2] or higher. Europeana Collections received a Net Promoter Score rating of 51. A NPS that is positive (e.g. higher than zero) is felt to be good while an NPS of +50 is excellent.

   b. In the context of the Europeana Migration campaign and Migration thematic collection a new functionality was added to Europeana Collections to collect user-generated content (UGC). The MVP solution for the UGC is completed.

   c. The new item page is nearing completion. Currently, we are correcting outstanding design and functionality issues.

   d. Work towards the Europeana Newspapers thematic collection continued primarily on the storage and indexing of full-text. A prototype version for both was done, work will continue assessing the implementations against the functional and performance requirements. Further, a EDM profile for full-text is in draft state which will be used as source for both storing and indexing, paving the way for a future newspapers ingestion pipeline.

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. A dedicated testing environment for the Metis data repository was set up and configured. This is part of the preparations for Metis to go-live.

   b. Several training activities were undertaken to facilitate individual and domain specific support for CHIs. Two workshops were held in Bulgaria (30 May) and Hungary (1 June) by EF. Both events were combined with visits of the aggregators as part of the aggregators in residence programme, to improve the relationship with the aggregating partner and to align processes on both sides to ensure data quality improvements can be implemented efficiently. 2Culture also organised the annual 'Archaeology and Architecture in Europeana'[3] workshop, held in Lund (Sweden) in June. The workshop was well attended by data partners, researchers and companies with an interest

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[2] Three= satisfied, Four=very satisfied. Five=totally satisfied
[3] 'Archaeology and Architecture in Europeana workshop. View at
http://www.carare.eu/events/archaeology-architecture-europeana/

in providing and re-using archaeology and architecture content in Europeana.

c. Compared to the end of Europeana DSI-2, we now have 951,976 more records in Europeana Collections (August 2017 - 53,629,175; 25 June 2018 - 54,581,151). This increase is due to many new collections being submitted by aggregators. 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 now (see chart below).
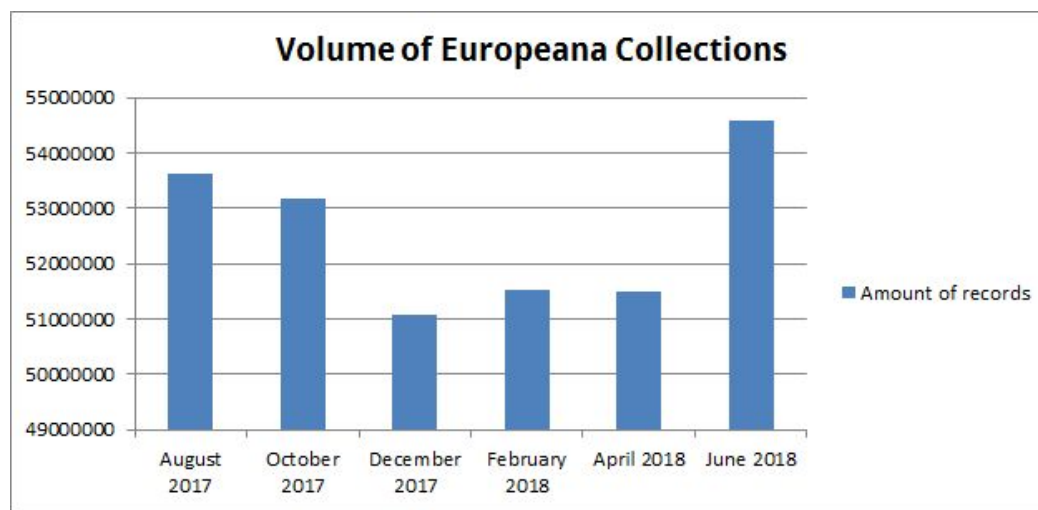
C. **Improve content distribution mechanisms** - work under this objective is on track, no major deviations. Highlights are:

a. We have launched[4] Europeana Manuscripts a new 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 as well as dedicated editorials to promote content (e.g. blogs, galleries, exhibition, browse entry points).

b. New exhibitions 'Les Couturiers'[5] on Europeana Art and 'Tricks of the Trade'[6] on Europeana Photography were published.

c. *European Citizens:* this period was dedicated to the Migration Campaign and the 1914-1918 Centenary Campaign. We continued a short blog series entitled "Love across borders". This series highlighted inter-national love

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[4] 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
[5] Exhibition 'Les Couturiers'. View at
https://www.europeana.eu/portal/en/exhibitions/les-couturiers#ve-anchor-intro_14776-js
[6] Exhibition 'Tricks of the Trade'. View at https://www.europeana.eu/portal/en/exhibitions/tricks-of-the-trade

stories from the Migration and 1914-1918 collections to promote new user-generated stories.

d. *European Citizens:* four Europeana Migration collection days were held (Brussels, Budapest, Dublin, Utrecht) with new user-generated content published. Stories were also collected online. There are now more than 100 stories online - covering a range of time periods and places (63 countries, spanning all continents).

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:* Europeana received the Open Education Award for Excellence[7] in the category of Open Culture in May 2018.

b. *Education:* a workshop at the Ministry of Culture France and a webinar at the Ministry of Culture Portugal with teachers revealed useful information:

   i. teachers mostly search by subject using the search engine as much as the curated content (thematic collections, virtual exhibitions and galleries);

   ii. searching by the language of their preference is not a critical factor;

   iii. images and videos are their preferred format to use in class;

   Teachers also valued the service offered by Europeana as very good:

   iv. Ministry of Culture France: 8.6 net score (in a scale from 1 to 10) for the question "how likely you are to recommend Europeana among your peers?" and an 8.5 for the question "how likely you are to recommend Europeana to your students?";

   v. Ministry of Culture Portugal: 8.9 for the question "how likely you are to recommend Europeana to your peers?" and an 7.4 net score (in a scale from 1 to 10) for the question "how likely you are to use Europeana in your classroom?".

c. *Education:* the 'Europeana in your classroom: building 21st-century competences with digital cultural heritage'[8] MOOC was launched on 30 April on the European Schoolnet Academy. Through this course, participants learned how to navigate the Europeana Collections website, explored and got familiar with the various Europeana apps, tools and materials, and learned how to build learning activities using Europeana Collections resources. Approximately 2000 participants from over 50 countries registered to the course. Around 50% of them came from Turkey and Italy.

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[7] Europeana wins global education award for work to open up digital cultural heritage. View at
https://pro.europeana.eu/post/europeana-wins-global-education-award-for-work-to-open-up-digital-cultural-heritage
[8] Europeana in your classroom: building 21st-century competences with digital cultural heritage. View at
http://www.europeanschoolnetacademy.eu/web/europeana-in-your-classroom-building-21st-century-competences-with-digital-cultural-heritage

d. *Education:* EUROCLIO organized an eTwinning online seminars in May, with 130 participants. People responded particularly positively about the opportunity to use sources selected from Europeana directly in online learning activities. EF gave a webinar in May on Teaching with Europeana to the eTwinning Inclusive Education group, 159 teachers attended the webinar and were quite positive about the experience.

e. *Creative Industries:* the two challenge winners[9] delivered the first prototypes of their projects ('Wonders of the World[10]' and 'Bird Memory Song[11]'). The 'Bird Memory Song' was renamed to Birdie Memory and its initial online presence is available[12].

f. *Academic Research:* two Europeana Research Grants winners submitted their final reports. Their project outcomes are already available as online databases: 1) A Visual History of Roma in Romania[13] and 2) Intercultural Dialogue and Multilingualism in Post-Conquest England: A Database of French Literary Manuscripts produced between 1100-1550[14]. A third grant was confirmed for enriching the Venice Scholar, an online platform for Venice historiography, with a module to search Europeana for relevant content references through the Europeana Search API.

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 renewed Members Council. Highlights include:

a. The EuropeanaTech Conference 2018[15] was held on 15 and 16 May 2018 at the SS Rotterdam in Rotterdam, the Netherlands. The programme of the conference[16], the list of all the keynote speakers[17], presentations, photos and tweets are published on Europeana Pro[18]. Headlines include 277 attendees, over 21,500 views of all event pages, and over 2,800 views of all promotional blogs.

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[9] Europeana #edTech Challenge: winners announced. View at
https://pro.europeana.eu/post/europeana-edtech-challenge-winners-announced
[10] 'Wonders of the World' (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.
[11] 'Bird Memory Song' 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.
[12] View at https://birdiememory.com/en
[13] A Visual History of Roma in Romania. View at http://roma-ovt.ro/en/
[14] 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/
[15] EuropeanaTech Conference 2018. View at https://pro.europeana.eu/event/europeanatech-conference-2018
[16] EuropeanaTech Conference 2018 Programme. View at
https://pro.europeana.eu/page/europeanatech-2018-programme
[17] Keynote speackers on EuropeanaTech Conference 2018. View at
https://pro.europeana.eu/post/europeanatech-2018-our-keynote-speakers
[18] EuropeanaTech 2018 – Gorgeous Data, Glorious Technology: In review. View at
https://pro.europeana.eu/post/europeanatech-2018-gorgeous-data-glorious-technology-in-review

b. EF was involved in several activities related to the Europe Day (9 May 2019) undertaken in Qatar, Luxembourg, Brussels and Washington DC to position Europeana as an initiative of the European Union.

F. **Maintain an international interoperable licensing framework -** work under this objective is progressing well, no major deviations. Highlights are:
   a. *Rightststaemnets.org:* in June, German an Estonian translations of the rights statements provided by the consortium were published - developed with and by members of the Europeana Network.

G. **Implement and develop new strategies, services and business models** - work under this objective is on track, no major deviations. Highlights are:
   a. As contribution to the legacy of the European Year of Cultural Heritage during the Bulgarian presidency, Europeana, the Bulgarian Ministry of Culture and Pencho Slaveykov Public Library organised a high level discussion with the aim to devise and propose a vision for European cultural heritage for implementation under the next multiannual financial framework. High level policy makers from European ministries of culture, EYCH national coordinators, DG EAC and DCHE participated and contributed to the vision for European (digital) cultural heritage 2025.

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 are continuing to digitise material with a view to ingest these to Europeana later in 2018, as per digitisation plans.
   b. *Rise of Literacy:* National Library of Scotland (NLS) organised and hosted an editorial meeting held in Edinburgh with the aim to develop editorial planning (May 2018 - Feb 2019), communications planning as well as stakeholder exercises.
   c. *Byzantine Art and Archeology:* discussions were held with EF and BYZART's project leaders regarding copyright and the rights statements they will apply to digitised material submitted to Europeana.

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[19] 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[20] and Europeana thematic collections[21] for European Citizens; Europeana Pro[22] for Cultural Heritage Institutions (CHIs); Europeana Labs[23] (as part of Europeana Pro) for Creative Industries; Europeana Research[24] (as part of Europeana Pro) for Academic Research; and Europeana Education[25] (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[26]. (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 MVP, and the Newspapers Collection in

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[19] Europeana Strategy 2015-2020. View at http://strategy2020.europeana.eu/update/
[20] Europeana Collections. View at https://www.europeana.eu/portal/en
[21] Europeana thematic collections. View at https://pro.europeana.eu/services/discovery/thematic-collections
[22] Europeana Pro.View at https://pro.europeana.eu/
[23] Europeana Labs. View at https://pro.europeana.eu/what-we-do/creative-industries
[24] Europeana Research. View at https://pro.europeana.eu/what-we-do/academic-research
[25] Europeana Education. View at https://pro.europeana.eu/what-we-do/education
[26] Europeana product roadmap. View at
https://docs.google.com/spreadsheets/d/15vCztIfI0qH8hjNSIMzhxl9GiuSBQ_twE8ZUxJYU4R8/edit?usp=sharing

August 2018. We are also preparing the roadmap for Europeana DSI-4, specifically focusing on the first year releases.

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 prioritized in Jira. In this reporting period, we prepared the specifications of the oEmbed service for Europeana Collections for which development will start in July 2018. The API team worked on the Newspapers API and the (User) Sets API. The Collections team is finalizing the implementation of the item display page and the browse pages. The Metis team is preparing for the migration of data from UIM to Metis which will also start in July. (Tender, task 1.2. Maintenance of the backlog) Further description of activities performed in the reporting period related to the individual products can be found on the next pages.

Europeana Collections[27] and Europeana thematic collections[28]

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)

In the context of the Europeana Migration campaign and Migration thematic collection a new functionality was added to Europeana Collections to collect user-generated content (UGC). The MVP solution for the UGC is completed and technical debt is being recovered. We are correcting an ingestion issue related to the display of locations, which is crucial for the correct display of stories.

Primary development focus are the Europeana Newspapers thematic collection and the new item page, intended to be released together. The new item page is nearing completion and we are currently correcting outstanding design and functionality issues.

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) Work continued primarily on the storage and indexing of full-text. A prototype version for both was done. The work will continue on feeding both implementations with data and assess the implementations against the functional and performance requirements. Further, a EDM profile for full-text is in draft state which allows

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

us to convert all the source data in ALTO files to EDM, which will be used as source for both storing and indexing, paving the way for a future newspapers ingestion pipeline.

The newspaper viewer has been completed and is compatible with the test datasets provided by the API team. The newspaper browse functionality is in the beginning stages of development, beginning with a robust grid layout to house the different components.

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) On Europeana Pro we added attribution icons to more modules making the image attribution display more prominent. We also upgraded the CMS of Europeana Pro (Bolt) to its best version which will fix some of the editorial bugs.

To give the aggregators that Europeana works with more visibility on Europeana Pro EF developed a functionality that enables each aggregator to have its own profile on our website. All tickets for the aggregator landscape were actioned making it possible to launch the aggregator landscape on Pro.

APIs development and maintenance

Under Europeana DSI-1/DSI-2, EF developed two new API endpoints, namely Entities and Annotations. 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).

EF together with AIT-Vienna worked on the integration of Zoho (CMS used to manage information on organizations). At the same time, we also started the development of the User Sets API. The primary goal of this API is to offer an API backend for the Galleries functionality on Europeana Collections and allow for Galleries to be shared externally to client applications for reuse.

Given the problems with scalability of the present OAI-PMH implementation but also the plans to use it for the Metis migration, we have started a new implementation from ground-up that can properly meet the requirements and address all the outstanding issues. A version is now ready with all the expected functionalities and is thoroughly tested with regards to the completeness of the data, proper error handling, and against protocol errors. The focus is now on boosting performance to meet the Metis migration requirements which means supporting a full harvest within a period of 10 days.

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). We are designing a holistic approach for conducting and following up on user research. Currently, 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 May/June. 92% of users surveyed rated Europeana Collections ⅘ or higher. Europeana Collections received a Net Promoter Score rating of 51.

During this period two new exhibitions were published Tricks of the Trade[29] and Les Couturiers[30]. 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. A NPS that is positive (e.g. higher than zero) is felt to be good while an NPS of +50 is excellent[31]. Please see table below for detailed figures.

Online exhibition	Net Promoter Score (19.06.18)	Number of respondents (19.06.18)
Tricks of the Trade	32	38
Les Couturiers	56	70

All our user research activities are described in more detail in deliverables C.2 Usage pattern reports (updated January and April 2018), Data access pattern reports (updated January and April 2018) and C.5 Reports on suggestions for improvements received (updated February 2018 and June 2018).[32]

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):

Evaluation of knowledge graphs in Europeana: we carried out an experimental evaluation of the Europeana auto-complete features. We compared the results with a

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[29] Tricks of the Trade. View at https://www.europeana.eu/portal/en/exhibitions/tricks-of-the-trade
[30] Les Couturiers. View at https://www.europeana.eu/portal/en/exhibitions/les-couturiers
[31] Net Promoter. View at https://en.wikipedia.org/wiki/Net_Promoter
[32] 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

TF-IDF baseline. The results were reported in a paper submitted to RecSys 2018 (currently under review).

Correlating explicit and implicit data for user motivation: we have started processing the log analysis gathered in the task-based evaluation in Europeana DSI-2. We analysed users' implicit data recorded in the logs (such as number of clicks, number of queries, and types of filters used) and are analysing their correlation to users satisfaction and success of the tasks. This task is currently on-going.

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, EF and NISV started the Task Force on Governance of EDM including the organisation of the first meeting and drafting a survey for gathering feedback from the Europeana Network regarding EDM governance. We received feedback on our EDM full-text profile from the IIIF community, and are proceeding with (minor) tuning of some elements. EF also started to get involved in the Dublin Core Usage Board, working on fixing some issues in the Dublin Core Metadata Terms (which are used in EDM).

Europeana Infrastructure

A dedicated testing environment for the Metis data repository (MongoDB and SOLR) was set up and configured. This is part of the preparations for Metis to go-live, so the existing testing environment can be switched to production. (Tender, task 1.8. Maintenance of Scrum teams to deliver the product roadmap)

Europeana Cloud Infrastructure and IIIF Image service
The Metis production environment was set-up. In summary, all the Metis applications are set-up in a test, acceptance and production environment. ECloud is set in a test and production environment and test and production instances have been set for Mongo and Solr. In addition, a series of optimization on the ECloud topologies were performed based on the regular tests performed on Metis. DNS Round Robin and fixes to the Cassandra tables were also implemented. The team is now focusing on the required components for the Metis production environment. Further improvements on other components on Zookeeper and Kafka will be done later.

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[33] and Europeana Publishing Framework[34]).

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 team worked on setting-up the Metis production environment. This consisted of releasing the Metis user interface, Core and authentication modules as well as the enrichment and dereferencing APIs to our hosting provider Bluemix. At PSNC, the production data processing services cluster was scaled up (4 additional processing nodes) and the new version of code was released. All the topologies used in test and acceptance also were deployed in production. On the data storage level, an additional test instance of Mongo and Solr cluster was created. This instance will be used for test while the current test instance will be used for production.

All the data processing tasks planned for the Metis MVP are now implemented both in back-end and front-end. Most of the work is now spent on solving potential issues detected as part of the almost daily user tests. The last development work focuses on the generation of ECloud identifiers and Europeana identifiers. This work is based on the current logic used in Europeana but requires extra attention. The team is also assessing its authentication and authorisation mechanisms to make sure Metis is secure at every level of the infrastructure. The team also worked on the preparation for migrating the Europeana data to the new data storage at PSNC via Metis. This process will bypass the usual data

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

aggregation workflow as we will harvest the data from the Europeana repository. We therefore had to develop a series of scripts that will support those operations in the most automatic way.

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[35] or Schema.org[36] 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. INESC-ID developed a reference implementation for the IIIF Change Discovery specification, version 0.1. INESC-ID and EF participated and presented at the IIIF Discovery Workshop organized by Stanford University.

The case study with Netwerk Digitaal Erfgoed (NDE) and the Koninklijke Bibliotheek (KB), on LOD and Schema.org harvesting, has progressed considerably. The first LOD dataset from the KB, in Schema.org, was harvested according to the specifications of LOD datasets to Europeana. The KB collection was converted to EDM and tested for conformance against the Europeana requirements. A meeting was held with the CEMEC project[37], that aggregates metadata from museums, and it was agreed to add the project to the LOD pilot. INESC-ID is supporting CEMEC in their implementation of the requirements.

INESC-ID and EF also submitted several papers for publication and attended conferences:
- Article for the International Conference on Electronic Publishing (ELPUB 2018) was accepted and was presented at the conference in Toronto, Canada in June.
- Paper on Schema.org harvesting was presented at the Extended Semantic Web Conference (ESWC 2018) in Heraklion, Greece in June.
- Article for the SEMANTiCS 2018 conference was accepted and will be presented in Vienna in September 2018.
- Journal article for the International Journal on Digital Libraries (IJDL) was accepted with minor revisions, and the final version was submitted.

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

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[35] ResourceSync Framework Specification. View at http://www.openarchives.org/rs/toc
[36] Schema.org. View at http://schema.org/
[37] Connecting Early Medieval European Collections (CEMEC). View at https://www.cemec-eu.net/

Improve the aggregation model). In this reporting period, we investigated 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 this campaign is underway with all participants of that task contributing to. Another recommendation is to work on an accreditation scheme for aggregators. EF, AIT-Graz, DIF, Photocons, eFashion and other aggregators participated in a workshop on 7 May 2018 to develop the accreditation scheme further. A two-page document was drafted and reviewed after this workshop by the group, to be shared with the Europeana Aggregators' Forum in early July. The newly elected Steering Group of the Europeana Aggregators' Forum met twice in the reporting period, 8 May and 25 May (with Marco Rendina from eFashion chairing the Steering Group).

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)

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 have communicated and worked with the Europeana DPS team to prepare updates and revision of datasets. DIF (EFG) worked 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!) is continuously updating training and information resources at the OpenUp! Website. Photocons run its annual meeting[38] on 12 June 2018. It included few elements of metadata training, explaining the key role of metadata in supporting collections' visibility and the role of aggregators to facilitate the provision of content to Europeana. Discussions across different kinds of archives were held, with a special focus on collaboration between public and private organisations in the field of digital cultural heritage. BL attended a training on how to match, compare and classify images using Computer Vision, given by Dr Giles Bergel from University of Oxford's Visual Geometry Group, which could thereby automatically enrich metadata. This kind of knowledge could be included the Train the

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[38] Photoconsortium annual event. View at
http://www.photoconsortium.net/photoconsortium-annual-event-2018-barcelona-12-june/

Trainer's toolkit. 2Culture (CARARE) organised the annual 'Archaeology and Architecture in Europeana'[39] 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. The following cultural heritage institutions contributed to the workshop University of Lund, Swedish National Heritage Board, Institute for Heritage Protection of Slovenia, University of Jaen, University of Vilnius Faculty of Communication, Discovery Programme, National Heritage Institute of the Czech Republic, Rijksdienst voor het Cultureel Erfgoed, KNAW-DANS, Centre for Digital Heritage.

EF continued the preparation of national workshops to be held in 2018. Two workshops were held in this reporting period: Bulgaria (30 May) and Hungary (1 June). Both events were combined with visits of the aggregators as part of the aggregators in residence programme, to improve the relationship with the aggregating partner and to align processes on both sides to ensure data quality improvements can be implemented efficiently. The two workshops followed more or less the template developed for the workshops earlier this year. With these workshops we conclude the workshops under Europeana DSI-3, while the planning for national workshops to be held under Europeana DSI-4 has started. (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 951,976 more records in Europeana Collections (August 2017 - 53,629,175; 25 June 2018 - 54,581,151). This increase is due to many new collections being submitted by aggregators. The largest of these submissions came from AIT-Graz (OpenUp!) with about 5 million high quality (tier 4) data. But also the other DSI aggregating partners were active in providing updates towards the completion of the work scheduled for Europeana DSI-3: CARARE, DIF (EFG), NISV (EUscreen), eFashion (Europeana Fashion), BL (Europeana Sounds), AIT-Granz (OpenUp!), MCA, and Photocons. EF also published updates and new data from national aggregators of Cyprus, France, Germany, Greece, Hungary, Lithuania, Slovenia, Spain, and Sweden.

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[39] 'Archaeology and Architecture in Europeana workshop. View at
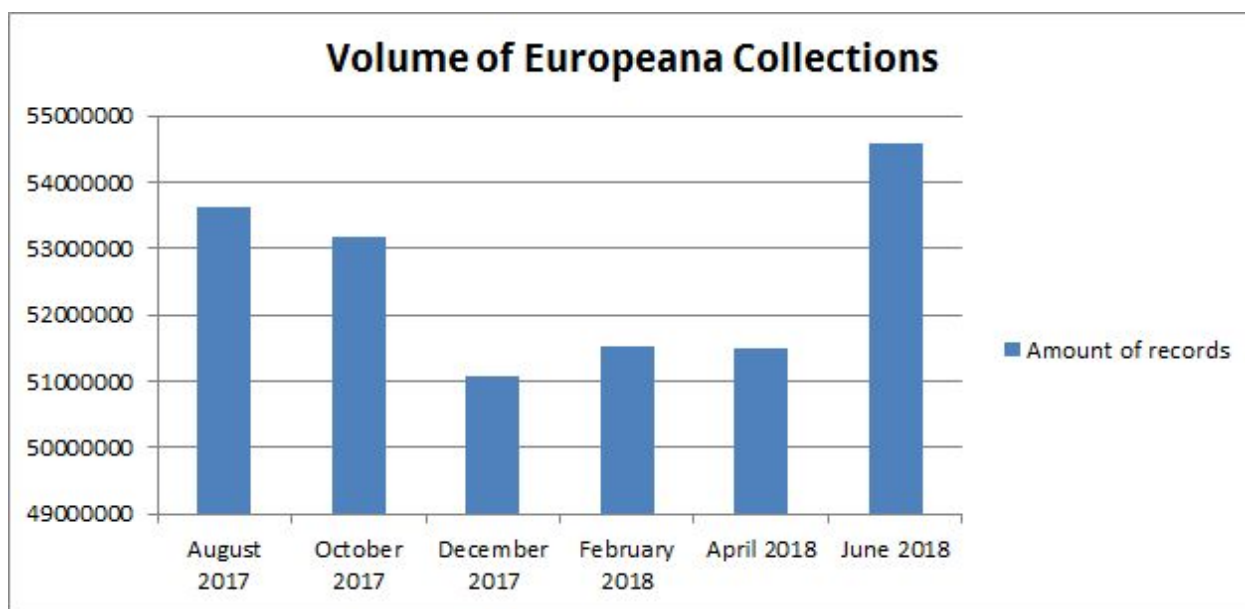http://www.carare.eu/events/archaeology-architecture-europeana/

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 now.

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) By the end of Europeana DSI-3 (August 2018) we aim to have 21% of all content in tier 3 or 4 quality of the Europeana Publishing Framework. After the first four months (September - December 2017) of Europeana DSI-3, about 18% of the total complied to tier 3 and 4. Due to technical problems in our backend (MongoDB, Solr), we are currently not able to extract the up to date numbers to report on the progress against the tiers of the Europeana Publishing Framework. We are currently working on a short-term fix to include the figures in the next report.

During this reporting period DSI aggregating partners kept working on improving language descriptions, multilinguality and adding contextual information to their datasets. NISV (EUscreen) worked on mapping their own thesaurus to the Europeana records. The information is now much richer and multilingual. This is a good example of the benefits of revisiting the mappings and take advantage of data that already exists. 2Culture and AthenaRC (CARARE) worked on adding Getty AAT links to their datasets. In addition, a review was completed of the CARARE metadata schema and its mapping to EDM, and version 3.0 of the CARARE schema was drafted and is currently in testing. Completion of this work will increase the availability of contextual metadata in Europeana in future. DIF (EFG) keeps improving the language description and the richness of its data and is almost achieving a 100% coverage of language attributes in the relevant properties. AIT-Graz (OpenUp!) started to add coordinates to the edm:place class. They also implemented an automatic splitting routine in the OpenUp! aggregator for large datasets providing now a

maximum of 500,000 records per single set. This will allow big datasets to be handled smoothly within the Europeana aggregation infrastructure. Photocons worked on including Getty AAT and Wikidata links in their data. When done this will result in a great increase of conceptual information and multilinguality. Photocons is also disseminating about the data quality improvement work they do under Europeana DSI-3. They submitted a paper to the 2018 Euromed conference. All these efforts bring us closer to the goals established in the Data Quality Plans. A detailed overview on the progress of implementation of the data quality plans for Europeana DSI-3 per partner is provided in [Annex II: Data quality improvements](#).

EF continued the coordination of the Data Quality Committee, focusing on the development of the Data Quality Assessment Framework and a new metadata quality framework that will be deployed alongside the Europeana Publishing Framework.

Europeana Publishing Framework[40] and Publishing Guide[41]

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 reviewed and refined the proposal for the metadata component of the Europeana Publishing Framework. This proposal was discussed and reviewed with members of the Data Quality Committee, including 2Culture, APEF, BL, DIF, eFashion, Photocons, AIT-Graz. A 2-page summary of the concept for the amendment of the Europeana Publishing Framework (including metadata requirements) was prepared, reviewed and finalised, to be published in early July 2018.

Europeana content strategy[42]

With an emphasis on quality over quantity, EF together with aggregators, identifies 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)

eFashion is working on an internal campaign to adopt new licenses that could allow partial re-use (InC-Non commercial, InC-Edu). NISV (EUscreen), 2Culture (CARARE) and AIT-Graz (OpenUp!) are reaching out to new partners to publish via their aggregators high quality data to Europeana. Discussions are currently underway between 2Culture and EF to implement a thematic browse for Archaeology. This will also help identifying data partners with collections of relevance to the archaeology and architecture theme, and to encourage organisations to join CARARE. DIF successfully provided a new collection of AV objects from

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

a content provider who up to now provided only Non-AV content: Svenska Filminstitutet[43]. Photocons prepared a leaflet and other dissemination material[44] to support the proactive outreach to new partners and collections. BL will hand in a paper on Europeana Music at the Digital Humanities and Musical Heritage workshop[45] held at the Royal College of Music on 2nd July. This will mark the delivery of the MINIM-UK project that makes available online 20,000 musical instruments which will be migrated to Europeana via MIMO.

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

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[43] Svenska Filminstitutet on Europeana Collections. View at
https://www.europeana.eu/portal/en/search?f%5BDATA_PROVIDER%5D%5B%5D=Svenska+Filminstitutet&f%5B TYPE%5D%5B%5D=VIDEO&view=grid
[44] Dissemination material of Photocons. View at
http://www.photoconsortium.net/download-dissemination-material/
[45] Digital Humanities and Musical Heritage workshop. View at
http://minim.ac.uk/index.php/2018/05/14/digital-humanities-and-musical-heritage-workshop/

February 2018	87	81
March 2018	65	66
April 2018	62	64
May 2018	70	76

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[46] in two languages (French, English) reaching about 52,000 subscribers (e.g. May 2018 newsletter[47]);
- 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[48]), or other themes. All blogs can be viewed on Europeana[49].
- Regular galleries published to highlight and promote content from Europeana Collections and thematic collections (e.g. Children Reading[50])

This period was dedicated to the Migration Campaign and the 1914-1918 Centenary Campaign. We continued a short blog series (started in the last reporting period) entitled "Love across borders". This series highlighted inter-national love stories from the Migration and 1914-1918 collections to promote new user-generated stories.

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[46] Europeana newsletters. View at
http://us3.campaign-archive.com/home/?u=ad318b7566f97eccc895e014e&id=1d4f51a117
[47] May 2018 newsletter. View at
https://mailchi.mp/5ebff494a9ff/les-couturiers-paris-fashion-houses-our-new-online-exhibition
[48] Love across borders: the royal families, June 2018. View at
http://blog.europeana.eu/2018/06/love-across-borders-the-royal-families/
[49] Europeana blogs. View at http://blog.europeana.eu/
[50] Gallery on Children Reading. View at https://www.europeana.eu/portal/en/explore/galleries/children-reading

EF also engages 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 vote for the artworks (found on Europeana) related to countries playing in the Football World Cup, will take place on the same day as the football game is playing.

Latest posts can be seen on Europeana's Facebook[51], Twitter[52], and Pinterest[53] accounts. Below is a short overview, illustrating the increase of social media followers/fans on these channels.

Social Media channel	July 2017	October 2017	December 2017	January 2018	April 2018	June 2018
Facebook	101,6K fans	104,3K fans	104,8K fans	106K fans	106,2K fans	106,4K fans
Twitter	29,1K followers	29,9K followers	30,6K followers	31,4K followers	31,9K followers	32,4K followers
Pinterest	11,1K followers	11,4K followers	11,5K followers	11,7K followers	11,9K followers	12K 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.

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[51] Europeana on Facebook.View at https://www.facebook.com/Europeana/
[52] Europeana on Twitter. View at https://twitter.com/Europeanaeu
[53] Europeana on Pinterest. View at https://nl.pinterest.com/europeana/pins/

Europeana Art[54] (EF)
- New galleries (e.g. Spring[55]) on Europeana Collections.[56]
- New blog post on open culture (e.g. Museums in the Digital Age: insights from Wellcome Collection, May 2018[57], interview profiling the collections, open access and technology strategies) - most-visited blog in this period (1,000+ views).
- 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).

Europeana 1914-1918[58] (EF and F&F)
- New Blog post (e.g. Tamo daleko (There, far away) – a Serbian prisoner of war during World War One, June 2018[59]).
- Monthly, new hero image.
- New galleries (e.g. 1914-1918: Serbia[60]).

The Europeana 1914-1918 Centenary Tour[61] continued with highlighting content from Greece (May) and Serbia (June) 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[62], Europeana 1914-1918 on Twitter[63]). 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
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

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[54] Europeana Art. View at https://www.europeana.eu/portal/en/collections/art
[55] Gallery on Spring. View at https://www.europeana.eu/portal/en/explore/galleries/spring
[56] Europeana Art galleries. View at https://www.europeana.eu/portal/en/explore/galleries?theme=art
[57] Blog on Museums in the Digital Age: insights from Wellcome Collection, May 2018. View at https://pro.europeana.eu/post/museums-in-the-digital-age-insights-from-wellcome-collection
[58] Europeana 1914-1918. View at http://www.europeana.eu/portal/en/collections/world-war-I
[59] Tamo daleko (There, far away) – a Serbian prisoner of war during World War One, June 2018. View at http://blog.europeana.eu/2018/06/tamo-daleko-there-far-away/
[60] Gallery on 1914-1918: Serbia. View at https://www.europeana.eu/portal/en/explore/galleries/1914-1918-serbia
[61] Europeana 1914-1918 Centeneray tour https://pro.europeana.eu/page/europeana-14-18-centenary-tour
[62] Europeana 1914-1918 on Facebook. View at https://www.facebook.com/Europeana19141918
[63] Europeana 1914-1918 on Twitter. View at https://twitter.com/Europeana1914

Europeana 1914-1918 on Twitter	c. 6,7K followers	c. 6,7K followers	c. 6,8K followers	c. 6,9K followers	c. 7K followers

Transcribathon.eu

Transcribathon.eu is a crowdsourcing initiative for the transcription of digital material from the First World War compiled by Europeana 1914-1918. From 9 to 18 May the Transcribathon Athens[64] was held, hosted by the National Historical Museum and supported by Post Scriptum[65]. A total of 769 documents and over a million characters were transcribed by 40 participants.

F&F maintained and updated the Transcribathon website (news section, content selection, Runs preparations, communication with participants, etc.). In the table below you find some metrics related to the Transcribathon website. F&F and EF continued to co-promote events and value of Transcribathon[66] via social media (Twitter, Facebook) and by presenting Transcribathon.eu at several events (e.g. European Cultural Heritage Summit, June 2018[67]).

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

Europeana Fashion[68] (eFashion)
- Daily, new posts on Facebook[69]
- Daily, new posts published on Instagram[70]
- Daily, one to two new posts on Twitter [71]
- Weekly, two new blog posts[72] published, themed on the biographies of designers and illustrators or on current exhibition (e.g. Dressed to Travel, the Milliner, June 2018[73])

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[64] Transcribathon Athens. View at https://transcribathon.com/en/runs/greece/
[65] Post Scriptum. View at http://www.postscriptum.gr/en/
[66] Transcribathon. View at http://transcribathon.eu/
[67] European Cultural Heritage Summit, June 2018. View at http://european-cultural-heritage-summit.eu/
[68] Europeana Fashion. View at https://www.europeana.eu/portal/en/collections/fashion
[69] Europeana Fashion on Facebook. View at https://www.facebook.com/EuropeanaFashion
[70] Europeana Fashion on Instagram. View at https://www.instagram.com/europeanafashionofficial/
[71] Europeana Fashion on Twitter. View at https://twitter.com/eurfashion
[72] Europeana Fashion blog posts. View at https://www.europeana.eu/portal/en/blogs?theme=fashion
[73] Blog Dressed to Travel, June 2018. View at https://www.europeana.eu/portal/en/blogs/travelling-dress

- Weekly, new column 'runway archive' published, themed on runway pictures linked to the designers presented with some background info
- Regularly, publishing of new galleries related to Fashion on Europeana Collections[74] (e.g. 'Hats and Headgear'[75])
- Two newsletters[76] published per month (e.g. Newsletter June 2018[77])
- Monthly, thematic exhibitions on Europeana Fashion on Tumblr[78]. May was dedicated to 'fashion and christianity', to liaise with the theme of the exhibition opened at the Metropolitan Museum. June is dedicated to contemporary couture.
- New exhibition 'Les Couturiers'[79] published in May

We continued with the media plan we started in April, developing a theme to each day of the week, spanning in the wide Europeana Collection. The plan is organized as follow: Jewellery Monday; Designer Tuesday; Paper Wednesday; Costume Thursday; Runway Friday; Surprise Saturday; Fact Sunday. This lead to produce recurrent hashtags, in order to make it easier to retweet or connect.

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 Instagram; 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
Europeana Fashion on Facebook	c. 8,0K fans	c. 8,1K fans	c. 8,3K fans	c. 8,7K fans
Europeana Fashion on Instagram	c. 7,1K followers	c. 7,1K followers	c. 7,4K followers	c. 7,3K followers
Europeana Fashion on Twitter	c. 2,9K followers	c. 3,0K followers	c. 3,8K followers	c. 4,2K followers

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[74] Galleries related to Fashion View at https://www.europeana.eu/portal/en/explore/galleries?theme=fashion
[75] Gallery on Hats and Headgear. View at
https://www.europeana.eu/portal/en/explore/galleries/hats-and-headgear
[76] Europeana Fashion newsletters. View at
http://us5.campaign-archive.com/home/?u=08acbb4918e78ab1b8b1cb158&id=eeaec60e70
[77] Europeana Fashion Newsletter (June 2018). View at
https://us5.campaign-archive.com/?u=08acbb4918e78ab1b8b1cb158&id=6fb1faf815
[78] Europeana Fashion on Tumblr. View at http://europeanafashion.tumblr.com/
[79] Exhibition 'Les Couturiers'. View at
https://www.europeana.eu/portal/en/exhibitions/les-couturiers#ve-anchor-intro_14776-js

Europeana Photography[80] (Photocons)
- The third exhibition 'Tricks of the Trade'[81] was published. The 4th and final installment in the series 'The Pleasure of Plenty' will be devoted to patterns, textures, collages and peculiar object collections.
- New blog posts (e.g. Revisiting photographic history: new perspectives on John Burke, May 2018[82])
- New gallery related to Photography on Europeana Collections[83] (e.g. Exposition Universelle Paris 1878[84]).
- New posts on Photoconsortium's Facebook[85] account.
- New posts on Photoconsortium's Twitter[86] account.

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: 948 followers; Photoconsortium on Twitter: 366 followers). Photocons also published several blog posts on Photoconsortium.net and social media about items related to the photographic collection (e.g. dissemination of the blog about John Burke[87]).

Europeana Music[88] (BL)
- Online exhibition: 'Greek song from the 19th century to the present day' is being curated by the Friends of Music Society, based in Athens. The exhibition will be launched in July 2018. Another exhibition will be 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[89] (e.g. Early depictions of musical instruments[90]).

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[80] Europeana Photography. View at https://www.europeana.eu/portal/en/collections/photography
[81] Exhibition 'Tricks of the Trade'. View at https://www.europeana.eu/portal/en/exhibitions/tricks-of-the-trade
[82] Blog on Revisiting photographic history: new perspectives on John Burke, May 2018. View at http://blog.europeana.eu/2018/05/revisiting-photographic-history-new-perspectives-on-john-burke/
[83] Galleries related to Photography. View at https://www.europeana.eu/portal/en/explore/galleries?theme=photography
[84] Gallery on Exposition Universelle Paris 1878. View at https://www.europeana.eu/portal/en/explore/galleries/exposition-universelle-paris-1878
[85] Photoconsortium on Facebook. https://www.facebook.com/PhotoConsortium/
[86] Photoconsortium on Twitter. View at https://twitter.com/PhotoConsortium?lang=en
[87] Blog on Photoconsortium.net. View at http://www.photoconsortium.net/revisiting-photographic-history-new-perspectives-on-john-burke/
[88] Europeana Music. View at https://www.europeana.eu/portal/en/collections/music
[89] Galleries on Music on Europeana Collections. View at https://www.europeana.eu/portal/en/explore/galleries?theme=music
[90] Gallery on Early depictions of musical instruments. View at https://www.europeana.eu/portal/en/explore/galleries/early-depictions-of-musical-instruments

- New blog posts (e.g. Austrian Composers in Exile, June 2018[91]). Guest blogs are commissioned from well-known curators on music related subjects highlighting relevant material from Europeana Music. All blogs for Europeana Music on Europeana Collections[92].
- Regular posts on Europeana Music Twitter[93] account, e.g. highlighting content from Europeana Music using hashtags such as #FolkloreThursday, etc.

Early May the landing page and browse entry points were updated related to Portuguese music (to coincide with Eurovision in Lisbon) in late May we presented editorials (blog, landing page and browse entry points) for 'Wagner on Europeana'.

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. Guest contributions are commissioned on a monthly basis.

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
Europeana Music on Twitter	c. 3,8 followers	c. 3,9K followers	c. 4,1K followers	c. 4,2K followers	c. 4,2K followers

Europeana Migration[94] (EF and Generic services partners)
Four Europeana Migration collection days were held (Brussels, Budapest, Dublin, Utrecht) with new user-generated content published. Stories were also collected online. There are now more than 100 stories online - covering a range of time periods and places (63 countries, spanning all continents).

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

Europeana Manuscript[95] (EF and Generic services partners)

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[91] Blog post on Austrian Composers in Exile, June 2018. View at
http://blog.europeana.eu/2018/06/austrian-composers-in-exile/
[92] Blogs on Europeana Music. View at http://blog.europeana.eu/category/europeana-music/
[93] Europeana Music on Twitter. View at https://twitter.com/europeanamusic
[94] Europeana Migration. View at https://www.europeana.eu/portal/en/collections/migration
[95] Europeana Manuscripts. View at https://www.europeana.eu/portal/en/collections/manuscripts

We have launched[96] 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'.

We promoted the new thematic collection with a focus on research and academic audiences with two Pro blogs: 'Discover manuscripts from late antiquity to the arrival of the printing press with new Europeana Manuscripts collection', May 2018[97] (500+ views) and 'From the earliest Scots Gaelic to Dutch children's books - how we're telling the story of literacy in Europe', June 2018[98] (150+ views).

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. EF and SPK worked on the new item page and rendering of newspaper data in the new Europeana presentation. SPK also provided support to users working with Europeana Newspapers data in digital humanities research projects and updated www.europeana-newspapers.eu to conform with the General Data Protection Regulation (GDPR) requirements.

Additional, SPK undertook several outreach activities and presented Europeana Newspapers at workshops and conferences (e.g. 65th Annual Conference of the German Association for American Studies, Digital American Studies Initiative Forum, Berlin, Germany, May 2018[99]). SPK engaged in community building and updated dedicated social media accounts regularly (Europeana Newspapers on Twitter[100], Europeana Newspapers on Facebook[101]).

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[96] 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

[97] Discover manuscripts from late antiquity to the arrival of the printing press with new Europeana Manuscripts collection, May 2018. View at
https://pro.europeana.eu/post/discover-manuscripts-from-late-antiquity-to-the-arrival-of-the-printing-press-with-new-europeana-manuscripts-collection

[98] From the earliest Scots Gaelic to Dutch children's books - how we're telling the story of literacy in Europe, June 2018. View at
https://pro.europeana.eu/post/from-the-earliest-scots-gaelic-to-dutch-children-s-books-how-we-re-telling-the-story-of-literacy-in-europe

[99] Presentation on conference
https://www.slideshare.net/cneudecker/europeana-newspapers-in-a-nutshell-99202179

[100] Europeana Newspaper on Twitter. View at https://twitter.com/eurnews?lang=en

[101] Europeana Newspaper on Facebook. View at https://www.facebook.com/EuropeanaNewspapers/

Social media channel	October 2017	December 2017	February 2018	April 2018	June 2018
Europeana Newspaper on Twitter	c. 1,4K followers	c. 1,4K followers	c. 1,4K followers	c. 1,4K followers	c. 1,4K followers
Europeana Newspapers on Facebook	c. 1,5K fans	c. 1,5K fans	c. 1,5K fans	c. 1,5K fans	c. 1,5K 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.

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 was represented at and contributed to the fifth meetings of both the European Year of Cultural Heritage (EYCH) Stakeholders and the National Coordinators groups in Brussels.

We also promoted[102] the Cultural Summit in Berlin (June 2018) and promoted individual Summit events organised by other EYCH stakeholders including Michael Culture as a key element of the EYCH.
- A blog series highlighting the digital component of the Summit;
- As part of the Stakeholders Group, Europeana commented on and gave it's support to the 'Berlin Call' drafted by Europa Nostra a call to action for supporters of cultural heritage launched in at the summit in Berlin;
- Europeana co-organised the event 'Visions for Cultural Heritage and Digital Platforms' with the Institut für Museumsforschung – Staatliche Museen zu Berlin –

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[102] Berlin Summit explores the effects of digital culture. View at
https://pro.europeana.eu/post/berlin-summit-explores-the-effects-of-digital-culture

Preußischer Kulturbesitz & Forschungs- und Kompetenzzentrum Digitalisierung Berlin (digiS);

- Europeana Migration was presented as a contribution to EYCH to a youth audience at the Young Professionals Summit, 'The Future is Heritage' as part of the Berlin programme.

EF's communication team continued to liaise with the EYCH communications and social media team by e.g. providing relevant content for EYCH channels to promote the Year.

Campaign on Migration and cultural heritage

EF is undertaking a campaign on Migration and cultural heritage under the European Year of Cultural Heritage (EYCH)[103] 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 online sharing while focusing on specific groups and themes related to migration, including:

- Targeting Polish migrant communities across Europe, via paid promotion and reaching out to relevant community groups. Our adverts reached over 16,000 people and generated clicks, whilst we posted on 38 migrant groups on facebook with a combined audience of just under 500,000;
- Social media promotion of the 'Love across borders' short blog series;
- Social media activity[104] connecting Europeana Migration to the wider World Refugee day[105] conversation on 20th June, by employing the relevant hashtags and sharing related stories and contributions.

A review of activities to date in this area was undertaken leading to recommendations to tweak elements of the campaign and user journey in order to maximise impact. Changes towards an updated approach will be implemented.

Worked also continued on the series of Europeana Migration collection days planned for 2018:

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[103] 2018 European Year of Cultural Heritage. View at
https://ec.europa.eu/culture/news/20160830-commission-proposal-cultural-heritage-2018_en
[104] Twitter post. View at https://twitter.com/Europeanaeu/status/1009444619891986434/photo/1
[105] Twitter post. View at https://twitter.com/Europeanaeu/status/1009345332248014850/photo/1

- EPIC the Irish Emigration Museum[106] held the first of three planned Collection Days on 26-27 of May, collecting 24 migration stories from the public. EPIC used the key messages and press template provided in the migration communications toolkit to promote the event to Irish regional press[107] as well via its own and other external channels; the event was also promoted on Europeana social media channels including the end-user blog;
- Instituto Cervantes in Utrecht, the Netherlands held another Collections Day on 23rd June with 40 stories collected. This included creating facebook event page, sharing social media promotional plans, creating a short social media ready version of our migration video[108], translating the Europeana migration videos into Spanish, sharing press release templates and creating promotional postcards to be printed by the venue.

Campaign on Europeana 1914-1918

EF and F&F worked on the Europeana 1914-1918 Centenary Tour in relation to European Year of Cultural Heritage. Please see objective C. Improve content distribution mechanisms and Europeana 1914-1918 for more information.

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

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[106] EPIC launches campaign to collect emigrant stories with Europeana. View at
https://epicchq.com/epic-launches-campaign-emigrant-stories/
[107] Irish regional press. View at
https://www.irishecho.com/2018/05/epic-launches-campaign-to-collect-emigrant-stories/
[108] Europeana Migration - What's your story? View at https://www.youtube.com/watch?v=lIzvEbCzEVI

party platforms) During this reporting period, EF together with the National Library of Australia (Trove), the Digital Public Library of America (DPLA), and DigNZ commenced preparations for the Gif It Up Competition 2018. We also liaised with DailyArt on featuring content from the new Manuscripts thematic collection in the DailyArt app and magazine over the summer period.

Wiki community

Wikidata's presence during EuropeanaTech was even stronger than expected. The pre-conference workshop[109] was fully subscribed and nearly all presenters throughout the conference referenced Wikidata in their talk in some manner (see special report: Wikidata at the EuropeanaTech conference[110]. This indicates a market need for further training for the network, and integration into Europeana's technical workflows. We are currently exploring the possibility to accept consistent ingestion of Wikidata-linked terms, and encourage partners to provide data as such.

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[111] with information and quick access to ready-to-use resources. During the reporting period, we published new blog posts[112] on educational topics (e.g. 'European cultural heritage in educational activities on its learning platform', May 2018[113] and 'Mainstreaming the use of digital cultural heritage in education', June 2018[114]), which were respectively promoted on the Europeana Twitter account. The Europeana Education LinkedIn group kept growing and registered 47 new members (total 273 members, or 20.8% increase in comparison to the previous reporting period).

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[109] Harnessing the power of structured data: a Wikidata workshop. View at
https://pro.europeana.eu/post/harnessing-the-power-of-structured-data-a-wikidata-workshop
[110] Special report: Wikidata at the EuropeanaTech conference. View at
https://outreach.wikimedia.org/wiki/GLAM/Newsletter/May_2018/Contents/Wikidata_report
[111] Europeana Education community. View at
https://pro.europeana.eu/network-association/special-interest-groups/europeana-education
[112] Europeana blog posts related to Education. View at
https://pro.europeana.eu/pages/blog/blog/markets/education
[113] European cultural heritage in educational activities on its learning platform, May 2018. View at
https://pro.europeana.eu/post/european-cultural-heritage-in-educational-activities-on-the-itslearning-learning-platform
[114] Mainstreaming the use of digital cultural heritage in education, June 2018. View at
https://pro.europeana.eu/post/mainstreaming-the-use-of-digital-cultural-heritage-in-education

Europeana also contributed to the STEAM monthly feature of SEG (School Education Gateway) with the article 'Science, Arts and Humanities fused by European digital resources'[115], published on 25 May. The article aims to show science teachers suitable resources for their subjects, such as our thematic collections in Natural History and Maps and Geography, or the virtual exhibition 'The Colossus of Leonardo da Vinci'.

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. 126.000 teachers and 850.000 subscribers).[116] (Tender, task 3.2.9 Pilot with Ministry of Education in France)

In this reporting period, the third and last workshop with the French teachers working with Europeana resources for the pilot project was held on 16 May at Réseau Canopé offices in Poitiers. In the morning, teachers participated in a focus group in order to get qualitative feedback. Three main topics were discussed:

1. Europeana platform: awareness, usability, relevance, reliability, satisfaction;
2. Pedagogical use of Europeana resources: uses by teachers, uses by pupils, lacks, improvements;
3. Teachers' general opinion about Europeana workshops with Réseau Canopé;

Furthermore, six teachers presented their learning scenarios and exchanged ideas about next year and how they could motivate other teachers (who were not part of this group) to use Europeana. All the impressions collected during the focus group and discussions during the workshop will be reflected in a final report. This report will be presented on 3rd July at the Ministry's offices in Paris and Europeana will attend the meeting to know the results of the complete project and to discuss future steps.

At the end of the workshop, teachers answered a Europeana survey about which kind of metadata they need to find in Europeana Collections to easily reuse its content in education. Some of the relevant results are that teachers mostly search by subject using the search engine as much as the curated content (thematic collections, virtual exhibitions and galleries), or that searching by the language of their preference is not a critical factor. They gave an 8.6 net score (in a scale from 1 to 10) for the question "how likely you are to

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[115] Science, Arts and Humanities fused by European digital resources. View at
https://www.schooleducationgateway.eu/es/pub/latest/news/european-digital-resources.htm
[116] Europeana space on Edutheque. View at http://www.edutheque.fr/utiliser/partenaire/europeana.html

recommend Europeana among your peers?" and an 8.5 for the question "how likely you are to recommend Europeana to your students?".

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). On 18 May, Europeana gave a webinar about how to integrate digital culture in education for a selected group of teachers working with the Ministry of Education in Portugal. This group represented a total of 28 teachers (10 training teachers, 9 eTwinning ambassadors and 9 FabLab ambassadors). The post-event questionnaire showed that:

- Most of them were secondary teachers and taught science related subjects;
- Thematic collections are considered the most useful resource, and images and videos their preferred format to use in class;
- Europeana is a valued resource. The teachers gave a 7.4 net score (in a scale from 1 to 10) for the question "how likely you are to use Europeana in your classroom?" and an 8.9 for the question "how likely you are to recommend Europeana to your peers?";

After the webinar, Maria Teresa Godinho, Head of ICT in Education in the Ministry of Education of Portugal, announced that they will translate the Guide for Using Europeana in Education into Portuguese and that they will explore ways of collaboration for a pilot project during the next school year.

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
The briefing of the meeting Erfgoed-en Cultuur(educatie) en digitalisering (Heritage and Culture (education) and digitization), organized by DEN and the LKCA on 21 March and attended by EF, was shared with us on 30 May. The report gives insights into the current and necessary future developments with regard to cultural heritage, cultural education and digitisation. As a discussion follow up, they have proposed a meeting in the last week of July or September to explore ways of collaboration with the education sector in the Netherlands.

During the Open Education Global Conference[117] held between 24 until 26 April in Delft Europeana met with representatives of the organisations SURF[118] and Kennisnet[119]. During the meeting, we discussed the possibility of integrating Europeana resources for education in a platform that SURF in collaboration with Kennisnet will launch at the end of this year. This platform aims to provide to educators of high and secondary education in the Netherlands with open educational resources.

Italy

Istat (the National Institute of Statistics) and DiCultHer[120] (The Digital Cultural Heritage, Arts and Humanities School), named "Le infrastrutture della conoscenza nel mondo digitale" (Digital Infrastructure for Knowledge) met on 29 May. EF was invited to present online its initiative in education, with special emphasis on the resources available for the Italian market. During the meeting representatives of DicultHer, ICCU (Istituto Centrale per il Catalogo Unico), INDIRE (Istituto Nazionale di Documentazione, Comunicazione e Ricerca Educativa) and MiBact (Ministry of Culture and Tourism) discussed the ability of digital infrastructures to modify the traditional tools of knowledge.

In order to set up a more formal collaboration, DiCultHer, ICCU and Europeana are planning to launch a website to provide the Italian educators and schools with Europeana resources for education. This platform will be presented during a meeting that DiculHer will have at the Ministry of Education, University and Research (MIUR) in Rome on 10 or 11 July (tbc). In addition, DiCultHer will present their activities in 2018-19 which aim to engage the youth with cultural heritage, such as the fourth edition of the "Week of Digital Cultures" Antonio Ruberti (#SCUD2019), the Competition "Crowddreaming: young people co-create digital cultures, and the #HackCultura2019. Europeana will be involved in these activities as a content and/or dissemination partner.

All Digital

All Digital[121], the European network of Digital Competence Centres, with three other partners (Stati Generali dell'Innovazione[122] - Italy, CTK Rijeka[123] - Croatia, LIKTA[124] - Latvia, Hellenic Open University[125] - Greece) submitted a project proposal within the framework of

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[117] Open Education Global Conference. View at https://conference.oeconsortium.org/2018/
[118] 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. View at https://www.surf.nl/en
[119] Kennisnet supports Dutch schools with ICT, providing a national ICT basic infrastructure, advising the sector council and sharing their knowledge with primary education, secondary education and secondary vocational education (MBO). View at https://www.kennisnet.nl/
[120] DiCultHer. View at https://www.diculther.it/
[121] All Digital. View at http://all-digital.org/
[122] Stati Generali dell'Innovazione. View at https://www.statigeneralinnovazione.it/online/
[123] CTK Rijeka. View at http://www.ctk-rijeka.hr/
[124] LIKTA. View at https://www.likta.lv/EN/Pages/home.aspx
[125] Hellenic Open University. View at https://www.eap.gr/en/

the next Erasmus+ KA3 Call on Social Inclusion. Europeana signed a letter of interest to support the initiative as an associate partner.

The two year project aims to promote European values, cultural heritage-related skills, common history, intercultural dialogue and social inclusion through education, non-formal and lifelong learning. More specifically, it will disseminate and scale at European level the initiative "Crowddreaming: youths co-create digital culture", a contest initially for Italian Schools, promoted by the DiCultHer, which had its third edition[126] from 31 January until 31 May 2018. For this purpose, a MOOC will be produced to raise the awareness of teachers and students from the respective project countries of the value of cultural heritage and to improve their digital competences. Europeana resources for education will be featured in the MOOC to help teachers and students embed digital culture into the classroom and in projects for the "Crowddreaming" contest.

Open Education Consortium
EF attended and presented our work in education during the Open Education Global Conference 2018[127] between 24 until 26 April in Delft. The event registered their highest attendance ever with 386 attendees from 45 countries. We also received the Open Education Award for Excellence[128] in the category of Open Culture in a special ceremony on 25 May.

Recently, the Open Educational Consortium invited Europeana to participate in their online initiative #HumansofOER[129] that aims to recognize the effect of Open Education Resources (OERs) on a personal level, highlighting a person, a project, or an initiative that is making an impact. Our first feature in this series is the testimonial of a couple of students[130], who took part in the Transcribathons Berlin, organized in June 2017. The history will be published shortly in their platform.

Commercial partnerships in education with educational publishers, learning software providers, content and app developers

EF aims to integrate Europeana content in the online learning platforms and resources of commercial educational providers. (Tender, task 3.2.18. Develop commercial partnerships in education with educational publishers, learning software providers, content and app developers) Trecanni Scuola[131] has confirmed the integration of our content in their virtual learning environment for educators. A selection of some of our galleries and collections will

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[126] Crowddreaming: youths co-create digital culture. View at
https://www.diculther.it/blog/2017/12/20/iii-edizione-concorso-crowddreaming/
[127] Open Education Global Conference 2018. View at https://conference.oeconsortium.org/2018/
[128] Europeana wins global education award for work to open up digital cultural heritage. View at
https://pro.europeana.eu/post/europeana-wins-global-education-award-for-work-to-open-up-digital-cultural-heritage
[129] Humans of OER. View at http://www.oeconsortium.org/humans-of-oer/
[130] Berlin Transcribathon 2017 interviews music. View at https://www.youtube.com/watch?v=1nxWoMmFYYU
[131] Trecanni Scuola. View at http://www.treccaniscuola.it/

be shown thanks to a slider inside the platform's dashboard and a new section named "Europeana". The slider will offer some images in a rotation, while the Europeana section will include all of the content selected. The users will be able to navigate the section, search and filter the results. This integration will be done in September 2018.

EF attended EdTechXEurope[132] Summit on 19 June in London. The 2018 edition welcomed over 900 participants (startups, investors, publishers, industry influencers) from 60+ countries under the theme "Eternally Learning". 150 speakers talked about key aspects of the future of education and work in 65 sessions across 5 tracks. We moderated the panel "Ecosystem unite: Collaboration across the field as the key to unlocking progress" with partners of previous collaborations (EUROCLIO, Art Stories, Ministry of Education France) The panelists shared their insightful stories about the partnership with Europeana and showed how the integration of cultural content in their learning platforms and products inspired learners of all ages, created business value and opened up new growth opportunities. Interested app developers and platform/service providers, such as Quizlet and Microsoft, reached to the panel participants for follow-up conversations. Over the course of the day we also discussed potential partnerships with edtech accelerators and investors.

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 aims to produce new datasets, pedagogical scenarios and learning activities based on Europeana Collections. In addition, the group intends to create, open source, professional development materials for teachers in several languages. (Tender, task 3.2.11 Organise a developer group of teachers)

The learning scenarios and datasets of the teachers from the Developer Group (DG) have now been uploaded on EUN's "Future Classroom Lab[133]" (FCL) directory (search by keyword Europeana). Additionally, the DG teachers prepared a series of professional development materials[134] for teachers consisting of one or more videos in which they discuss the classroom implementation of their learning scenario, what they learned from the experience of using the learning scenario with their students, and what is their advice for other teachers wishing to try the same learning scenario in their classrooms. These videos were produced in English or the language of the respective DG group teachers with English subtitles and implemented in the MOOC (see section Development of a Mooc below). Furthermore, the DG group of teachers actively contributed to the MOOC production by working directly on the course modules, devising activities for participants, assessment

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[132] EdTechXEurope. View at http://edtechxeurope.com/
[133] Future Classroom Lab. View at http://fcl.eun.org/directory
[134] Europeana in your classroom MOOC. View at
https://www.youtube.com/playlist?list=PL3mARAvoNP5SLtRw9hlOHoIR-AWU2-BIj

methods for cultural heritage lessons, and even moderating the online community of MOOC participants.

Development of a MOOC

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

The "Europeana in your classroom: building 21st-century competences with digital cultural heritage"[135] MOOC was launched on 30 April on the European Schoolnet Academy. The course ran for 6.5 weeks, with one module opening per week, and a final grace period of 1.5 weeks. Through this course, participants learned how to integrate cultural heritage into their lessons and practices, regardless of the subject they usually teach. More specifically, they understood how to navigate the Europeana Collections website, explored and got familiar with the various Europeana apps, tools and materials, and learned how to build learning activities using Europeana Collections resources.

Approximately 2000 participants from over 50 countries registered to the course. Around 50% of them came from Turkey and Italy. A final evaluation report on the MOOC, including the number of participants who completed the course and the number of published learning scenarios will be prepared at the end of June, when the course has come to an end.

Community and online support for Europeana Education User Group

EUN will identify and provide community and online support to up to 60 teachers who will form a Europeana Education User Group. (Tender, task 3.2.13 Community and online support for the Europeana Education user Group) In this reporting period, each member of the Europeana Education User Group tested at least one learning scenario out of the 18 developed by the Developer Group of teachers and provided feedback via an online questionnaire. After implementing the learning scenarios, the 60 teachers from Europe participated in the MOOC described in the section 'Development of a MOOC' (see above). Currently, the User Group is providing feedback on the MOOC and the sustainability of the Europeana Education community of teachers via a second online questionnaire. The results of both questionnaires will be analyzed during June and July and will be compiled in a final report, including a report on the sustainability of the Europeana Education community with practical recommendations.

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[135] Europeana in your classroom: building 21st-century competences with digital cultural heritage. View at http://www.europeanschoolnetacademy.eu/web/europeana-in-your-classroom-building-21st-century-competences-with-digital-cultural-heritage

Historiana eLearning Environment

EUROCLIO works on the development of the Historiana eLearning Environment[136] and on a teacher training package using Europeana content. (Tender, task 3.2.14 Work with Historiana) During the reporting period, EUROCLIO worked intensively on improving Historiana based on the feedback that was gathered from the teacher training sessions and the continuous testing of Historiana at the EUROCLIO Secretariat. New features include: 1) a new option to filter resources on type, 2) search bar in the Historical Content and the Teaching and Learning section, and 3) a loading bar that indicates to users that content is loading, which is needed to achieve a better user's experience (e.g. when there are several users working with Historiana with a slow internet connection).

A milestone was the successful transfer of the learning activities from la.historiana.eu[137], the sources collections from sas.historiana.eu[138], the units and key themes from graph.historiana.eu[139], and the e-Activity Builder and the eLearning activities into the main Historiana website. The integration of all these resources in one website and one database means a much better user-experience and less time for maintenance. The next step is the integration of the backend of the website, which enables EUROCLIO to add new resources and edit existing ones.

Create learning resources with Europeana content

EUROCLIO facilitates 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, EUROCLIO worked on a video tutorial[140] as part of the teacher training package, and developed six exemplar eLearning activities using Europeana content. The titles of these are[141]

- How do historians write about causation?
- How useful is this ring for understanding fashions in England in the 15th Century?
- Creating a museum exhibition of the First World War
- What can a painting reveal about 16th century life in Northern Europe?
- How did a World War break out in 1914?
- What can images reveal about European architecture 1100 – 1950.

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

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[136] Historiana. View at https://www.beta.historiana.eu/#/
[137] View at http://la.historiana.eu/la/
[138] View at http://sas.historiana.eu/sas/
[139] View at http://la.historiana.eu/la/
[140] Video tutorial. View at https://drive.google.com/file/d/1BzUPCZ6tGL8Pp76pbYXTuMSnajSCAuVF/view
[141] The e-learning activities are accessible upon account registration on Historiana.

use of the Europeana content. (Tender, task 3.2.16 Develop a communication strategy for Europeana on Historiana) Over the past six weeks, EUROCLIO has published and disseminated several new source collections across their various comms channels. Since Historiana has been integrated into a Single Page Application, it is at the moment not possible to collect reliable statistics on the use of individual resources, such as the learning activities and source collections. However, EUROCLIO has been working on a plan to collect statistics from Historiana, and on an overview of statistics collected from other platforms (such as the EUROCLIO website and social media channels). This overview will be shared with EF beginning of July.

The first of two eTwinning online seminars took place on 14 May, with 130 participants. They were asked to fill in a brief questionnaire after the training, which was met with a lot of enthusiasm. People responded particularly positively about the opportunity to use sources selected from Europeana directly in online learning activities. Here is a screencast of the first eTwinning online training[142].

In addition, during the reporting period EUROCLIO agreed with:
- European Schoolnet to have another eTwinning Seminar on 25 June and to organise a workshop during the eTwinning Annual Conference on 27-28 October in Warsaw;
- Europeana to join the Ecosystem unite! A collaboration to unlock a progress panel during the EdTechxEurope[143] Summit in London on 19 June 2018;
- The Lifelong Learning Platform, to give a poster presentation during a Gallery Walk during their Annual Conference in Vienna on 5-6 July 2018.

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) EF gave a webinar on 24 May on Teaching with Europeana to the eTwinning Inclusive Education group led by the Croatian eTwinning ambassador Marijana Smolcec. 159 teachers attended the webinar and were quite positive about the experience. EF was also invited to the eTwinning UK National conference on 8-10 June in Coventry and delivered two workshops on how to use Europeana in the classroom. In addition, a Europeana workshop was accepted for the eTwinning annual conference on 27-28 October in Warsaw.

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[144]. (Tender,

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[142] Making Historical Thinking Explicit to Students Using Online Tools. View at https://www.youtube.com/watch?v=5AtR91sXOQU
[143] EdTechxEurope. View at http://edtechxeurope.com/
[144] Europeana Labs. View at https://pro.europeana.eu/what-we-do/creative-industries

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 one new dataset on political illustrated magazines and newspapers[145]. Monthly, EF publishes a newsletter[146] (e.g. Europeana Labs News, June 2018[147]) for the Europeana Labs community. The Labs newsletter subscriber list has dropped from 2,766 to 534 subscribers due to the GDPR compliance. Though it is a significantly lower number of subscribers, a positive aspect to this is that we know that the 534 subscribers took their time to opt in and are most engaged. The average open rate of our previous newsletters was 21%, and after publishing our latest newsletter the open rate has gone up to 36%.

We also regularly publish new blog posts[148] on Europeana Pro on creative industries topics (e.g. 'Vintage video inspires original music in MashUp Film Festival competition winning entry'[149], May 2018, and 'Harnessing the power of structured data: a wikidata workshop'[150], June 2018) and post updates on a dedicated Twitter[151] account. The EuropeanaLabs Twitter account has grown by 3.25% to 1141 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) Europeana discussed the participation at the next edition of THE ARTS+ festival[152] on 10-14 October in Frankfurt. Europeana will be a program partner e.g. contributing to the session design on Day 1. Our CEO Harry Verwayen will join a panel on the changing role of cultural heritage institutions in the afternoon of the first event day. We also suggested a few speakers for the remainder of the conference day.

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

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[145] Political illustrated magazines and newspapers from the International Institute of Social History. View at https://pro.europeana.eu/data/political-illustrated-magazines-and-newspapers-from-the-international-institute-of-social-history
[146] Europeana Labs newsletters. View at
http://us3.campaign-archive.com/home/?u=ad318b7566f97eccc895e014e&id=935d4e98eb
[147] Europeana Labs News, June 2018. View at
https://mailchi.mp/e45385bc52d5/europeana-labs-news-june-2018
[148] Blogs on Europeana Labs. View at https://pro.europeana.eu/pages/blog/blog/markets/creative-industries
[149] Vintage video inspires original music in MashUp Film Festival competition winning entry, May 2018. View at https://pro.europeana.eu/post/vintage-video-inspires-original-music-in-mashup-festival-competition-winning-entry
[150] Harnessing the power of structured data a wikidata workshop, June 2018. View at
https://pro.europeana.eu/post/europeana-edtech-challenge-winners-announced
[151] Europeana Labs on Twitter. View at https://twitter.com/europeanalabs?lang=en
[152] THE ARTS+ festival. View at https://theartsplus.com/

services) The two challenge winners[153] started working and delivered the first prototypes of their projects ('Wonders of the World[154]' and 'Bird Memory Song[155]'). The 'Bird Memory Song' was renamed to Birdie Memory and its initial online presence is available[156]. The prototype was also tested with children at the Fête de la Nature[157] event end of May in Paris. Below are first prototype images of the app 'Wonders of the World'.
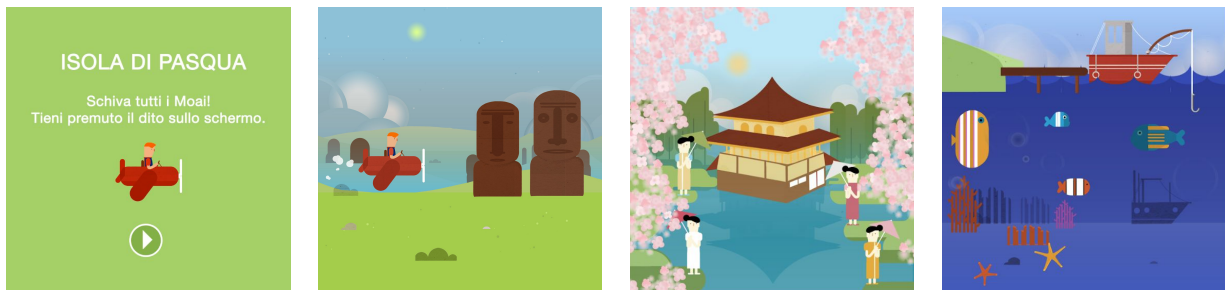
Fig.: Prototype images of the app 'Wonders of the World'

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.[158] 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)

EF gave a presentation on 'Europeana: how open cultural data supports discovery, reuse and innovation in digital humanities' at the Open Science & The Humanities conference[159] in Barcelona in June. The event provided excellent opportunities to expand our outreach to research communities. Finally, we worked on and prepared the first Europeana Research survey which aims to understand better the needs of researchers with regard to the content topics and metadata on Europeana. The survey was shared with CLARIN (resp.

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[153] Europeana #edTech Challenge: winners announced. View at
https://pro.europeana.eu/post/europeana-edtech-challenge-winners-announced
[154] 'Wonders of the World' (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.
[155] 'Bird Memory Song' 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.
[156] View at https://birdiememory.com/en
[157] Fête de la Nature. View at https://fetedelanature.com/edition-2018
[158] Europeana Research. View at https://pro.europeana.eu/what-we-do/academic-research
[159] Open Science & The Humanities conference. View at http://www.ub.edu/openscienceandthehumanities/

their networks) and, formally, at the conference in Barcelona. The survey will be open till 30 June.

UoG co-organized Europeana Board member activities and consulted with them on Europeana Research dissemination through other infrastructures (DESIR, etc). UoG also commenced research on new Europeana-related subject such as Europeana 1914-1914, assessed ToR for supporting current DH initiative proposals, and assessed and signed off Europeana Research Grants winners' projects for final submission.

AthenaRC worked on potential publication on work previously conducted within Europeana Research (1968 case study) and on new Europeana-related subjects like Europeana 1914-1918. AthenaRC also assessed and signed off Europeana Research Grants winners' projects for final submission and supported the submission of the Teaming research project proposal by asking the Research Advisory Board for Letter of Support.

Activities and updates were published via EF's general communication and dissemination channels and dedicated channels such as Europeana Research on Twitter[160]. The work of Europeana Research is supported by the Europeana Research Advisory Board chaired by Professor Lorna Hughes (UoG).[161]

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

Research Grants Programme

The current Europeana Research Grants programme is funding three researchers to develop their projects (Medieval manuscript databases: Krista Murchison[162] and Visual representations of Romani in 19th and 20th centuries - Caterina Preda[163]). 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

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[160] Europeana Research on Twitter. View at https://twitter.com/EurResearch
[161] Europeana Research Advisory Board. https://pro.europeana.eu/page/europeana-research-advisory-board
[162] Blog Medieval manuscript databases: Krista Murchison, April 2018. View at https://pro.europeana.eu/post/medieval-manuscript-databases-krista-murchison-europeana-research-grants-winner
[163] 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

Roma in Romania[164] and Intercultural Dialogue and Multilingualism in Post-Conquest England: A Database of French Literary Manuscripts produced between 1100-1550[165].

After withdraw of the previous third grant winner, Matteo Romanello, Post-Doc Researcher at École Polytechnique Fédérale de Lausanne was confirmed as an awardee of the third grant. More specifically, Dr. Romanello will be responsible for enriching the Venice Scholar, an online platform for Venice historiography, with a module to search Europeana for relevant content references through the Europeana Search API. The Venice Scholar platform is being developed in the framework of the Linked Books[166] project and will be launched by September 2018. The first progress report is expected in June.

Connect to Research Infrastructures

EF an CLARIN continued to connect to Research Infrastructures (e.g. DHBenelux, June 2018 [167]) (Tender, task 3.2.7 Connect to Research Infrastructures). CLARIN implemented improvements to the EDM-CMDI metadata conversion (see GitHub repository[168]). CLARIN published 'resource families' overview for humanities and social sciences scholars[169] featuring Europeana Newspaper resources and started new data complementarity analysis.

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), as well as with our re-user communities (Education, Creative Industries, 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 current Association membership stands at 1954[170]. As of 1 May, the Office

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[164] A Visual History of Roma in Romania. View at http://roma-ovt.ro/en/
[165] 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/
[166] Linked Books project. View at https://dhlab.epfl.ch/page-127959-en.html
[167] EUDAT conference, Porto, January 2018. View at https://eudat.eu/events/conferences/save-the-date-eudat-conference-putting-the-eosc-vision-into-practice
[168] GitHub repository. View at https://github.com/clarin-eric/metadata-conversion/tree/dev-edm-cmdi
[169] Newspaper corpora. View at https://www.clarin.eu/resource-families/newspaper-corpora
[170] Network Association Members. View at https://pro.europeana.eu/network-association/network-members

has unsubscribed around 300 members who never confirmed their interest to remain in the Network Association, following the 2017 Membership campaign[171].

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[172] (e.g. EuropeanaTech 2018 – Gorgeous Data, Glorious Technology: In review, May 2018[173]). 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[174] (e.g. Network Update of May 2018[175]). This includes the latest developments within the professional community. The newsletters are endorsed by the Members Council with each Councillor taking their turn as Editor-in-Chief. The Network Update subscriber list has dropped from 2136 to 963 subscribers due to the GDPR compliance. Though it is a significantly lower number of subscribers, a positive aspect to this is that we know that the 963 subscribers took their time to opt in and are most engaged. The average open rate of our previous newsletters was 31%, and the open rate of our latest newsletter has gone up to 51%.

The secretariat also manages the Europeana LinkedIn Group[176] (4015 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.

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.

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[171] 2017 Membership campaign. View at
https://pro.europeana.eu/post/let-s-make-next-key-decisions-together-renew-your-membership
[172] Blogs on Europeana Pro. View at https://pro.europeana.eu/blog
[173] EuropeanaTech 2018 – Gorgeous Data, Glorious Technology: In review, May 2018. View at
https://pro.europeana.eu/post/europeanatech-2018-gorgeous-data-glorious-technology-in-review
[174] Newsletters and Updates - December 2017. View at
https://pro.europeana.eu/resources/document-archive/newsletters-and-updates
[175] Network Update - May 2018. View at
https://us3.campaign-archive.com/?u=ad318b7566f97eccc895e014e&id=1bc1a43c87
[176] 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

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 2 virtual Management Board meeting in May and June. Minutes and actions of those meetings are regularly updated following their review on Europeana Pro page[177]. The next Management Board meeting will take place on 5 July in The Hague, Netherlands. The secretariat also prepared the second Members Council meeting of the year, planned for 5-6 July in The Hague, Netherlands. The meeting will focus on community building, allocation of budget to the communities, preparing for the shift in the Management Board, and recurrent key topics such as Working Groups and Task Forces. Other topics on the agenda will include reflecting on the EYCH activities in various countries, and AGM preparations.

Task Forces and Working Groups

The Network Association members take on specific subjects or areas of common interest by participating in the Task Forces[178] and Working Groups[179]. 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[180]
2. TF Europeana Resource Citation and Object Identity Standardization[181]
3. TF Creation and Governance of EDM mappings, profiles and extensions[182]
4. TF Europeana Migration[183]

Working Groups (WGs)[184] 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.

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[177] Network Association Updates. View at
https://pro.europeana.eu/resources/document-archive/newsletters-and-updates#network-association-updates
[178] Europeana Task forces. View at https://pro.europeana.eu/network-association/task-forces
[179] Europeana Working Groups. View at https://pro.europeana.eu/network-association/working-groups
[180] TF Impact Assessment. View at https://pro.europeana.eu/project/impact-assessment
[181] TF Europeana Resource Citation and Object Identity Standardization. View at
https://pro.europeana.eu/get-involved/task-forces/resource-citation-object-identity-standardization
[182] TF Creation and Governance of EDM mappings, profiles and extensions. View at
https://docs.google.com/document/d/18Csr68hcWVH4md-xpGbHbiXZbeEIuDsQPDdXpQIP6Yg/edit
[183] TF Europeana Migration. View at
https://docs.google.com/document/d/13IeiLdY-lFEA0whyU3TxFzsks1_TVxasRwZ4Oh-epQI/edit
[184] WGs on Europeana Pro. View at https://pro.europeana.eu/network-association/working-groups

Currently EF supports six active WG (WG Copyright Policy[185], WG Library[186], WG #AllezCulture[187], WG Data Quality[188], and WG Governance[189], 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) EF has existing communities/special interest groups[190] in place such as Europeana Tech[191], Impact[192], Copyright[193], Research[194] or the Education community[195]. Additional communities/ special interest groups proposed by the Management Board and explored by the Members Council are Technical standards, Innovation within the sector, Outreach campaigns, and Use of DCH in education and research. The number and scope of these communities and possibilities of combining them was explored and will be confirmed in the coming weeks and months. The development and practical set-up of these communities will be clarified in the next reporting period.

EuropeanaTech community[196]

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.[197]

The EuropeanaTech Conference 2018[198] was held on 15 and 16 May 2018 at the SS Rotterdam in Rotterdam, the Netherlands. It focused on Tech being at the centre of the Year of European Cultural Heritage. It brought together an international network of technical and R&D specialists from world GLAM organisations, research institutions and creative industries to share innovative progress, transfer knowledge, and forecast the technical future of Europeana and digital cultural heritage. They discussed topics of major

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[185] Copyright Policy Working Group. View at https://pro.europeana.eu/project/copyright-policy-working-group
[186] WG Library. View at https://pro.europeana.eu/project/library-wg
[187] WG #AllezCulture.View at https://pro.europeana.eu/project/allezculture-working-group
[188] WG Data Quality. View at https://pro.europeana.eu/project/data-quality-committee
[189] WG Governance. View at https://pro.europeana.eu/project/governance-working-group
[190] Special interest groups. View at https://pro.europeana.eu/network-association/special-interest-groups
[191] EuropeanaTech. View at
https://pro.europeana.eu/network-association/special-interest-groups/europeanatech
[192] Impact community. View at https://pro.europeana.eu/what-we-do/impact
[193] Copyright community. View at
https://pro.europeana.eu/network-association/special-interest-groups/europeana-copyright
[194] Research community. View at
https://pro.europeana.eu/network-association/special-interest-groups/europeana-research
[195] Education community. View at
https://pro.europeana.eu/network-association/special-interest-groups/europeana-education
[196] EuropeanaTech. View at
https://pro.europeana.eu/network-association/special-interest-groups/europeanatech
[197] EuropeanaTech newsletters. View at https://pro.europeana.eu/page/europeanatech-insight
[198] EuropeanaTech Conference 2018. View at https://pro.europeana.eu/event/europeanatech-conference-2018

interest to the Europeana community, and advised on data, discovery and delivery. The event targeted around 300 developers, researchers, technologists and data specialists with cultural heritage interests. The programme of the conference[199], the list of all the keynote speakers[200], presentations, photos and tweets was published on Europeana Pro[201]. We also reviewed marketing and comms activities undertaken to help inform future activity. Headlines include over 21,500 views of all event pages, and over 2,800 views of all promotional blogs.

EuropeanaTech related activities included:
- EF and NISV organized and participated in IIIF Workshop (at the EuropeanaTech conference);
- NISV is writing a report regarding the status of open source tools and community within the Europeana Network;
- EF and NISV undertook activities towards the Europeana Innovation Agenda;
- EF and INESC-ID were invited and attended a IIIF workshop on discovery at the Stanford University;
- The task force on Resource Citation and Object Identity Standardization started its work with a face-to-face meeting and a following call.

Europeana Copyright community[202]

EF and Lovegrove, supported by KL, will further develop the Europeana Copyright community. (Tender, task 4.7.2 Europeana IPR community) The copyright community grew to 156 members in the period, and the second newsletter[203] was sent in June. The community page on Europeana Pro[204] is updated each month with relevant content referencing latest blogs published of interest to the community (e.g. updates on EU copyright reform[205] or the launch of the German and Estonian language rights statements, June 2018[206]). Information about copyright and cultural sector practices is also shared with the community through the @EuropeanaIPR twitter account, which has grown to have 1041 followers.

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[199] EuropeanaTech Conference 2018 Programme. View at
https://pro.europeana.eu/page/europeanatech-2018-programme
[200] Keynote speackers on EuropeanaTech Conference 2018. View at
https://pro.europeana.eu/post/europeanatech-2018-our-keynote-speakers
[201] EuropeanaTech 2018 – Gorgeous Data, Glorious Technology: In review. View at
https://pro.europeana.eu/post/europeanatech-2018-gorgeous-data-glorious-technology-in-review
[202] A dedicated space on Europeana pro will be created throughout the Europeana DSI-3 project.
[203] Europeana Copyright community newsletter. View at
https://mailchi.mp/cd92295482a1/welcome-to-the-first-newsletter-of-the-europeana-copyright-community-518729
[204] Copyright community on Europeana Pro. View at
https://pro.europeana.eu/network-association/special-interest-groups/europeana-copyright
[205] Overview of copyright reform. View at https://pro.europeana.eu/tags/copyrightreform
[206] Multilingual rights statements - now available in German and Estonian. View at
https://pro.europeana.eu/post/multilingual-rights-statements-now-available-in-german-and-estonian

Cultural heritage institutions and stakeholders

EF communicates with CHIs and other stakeholders via Europeana Pro[207]. (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).

Europe Day (9 May 2019)
Europe Day events and communications provided international opportunities to position Europeana as an initiative of the European Union. In Qatar, Europeana's Executive Director Harry Verwayen contributed a short speech to be presented by the Bulgarian Ambassador to Qatar on the occasion of the National Library of Qatar's Europe Day celebrations. Additionally at this event, four big screens showed GIFs created using Europeana content as part of the GIF IT UP 2017 competition. In both Luxembourg and Brussels, Europeana was represented at stands at EU institution open days, and provided Europeana and EU branded promotional materials including colouring books, bookmarks and postcards created using open content from Europeana Collections. In Washington DC, the European Commission Representation to the United States worked with Europeana when creating a photobooth with backdrops of artworks from each EU member country (via Europeana), allowing participants to become part of the art at their Europe Day event. Further, we published a Pro blog on '6 ways to get your culture fix on Europe Day'[208] (150+ views).

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[209], 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, May 2018[210]). The open rate for May is 61% and the average click through rate is 19% (both above average). In the June newsletter, the first after the GDPR compliance (list reduced from 66 to 42) we recorded an open rate of 44% and a click rate of 19.5%.

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[207] Europeana Pro. View at https://pro.europeana.eu/
[208] 6 ways to get your culture fix on Europe Day. View at
https://pro.europeana.eu/post/6-ways-to-get-your-culture-fix-on-europe-day
[209] Communications update from Europeana. View at
http://us3.campaign-archive.com/home/?u=ad318b7566f97eccc895e014e&id=6741190c56
[210] Let's talk culture - Communications, social media and PR update from Europeana, May 2018. View at
https://us3.campaign-archive.com/?u=ad318b7566f97eccc895e014e&id=aa28bc1982

EF also continued to build up the Basecamp membership as a means of sharing information and best practice. We renewed efforts to engage with the community with the introduction of regular discussion questions to be posed on the forum, and promoted via the newsletter. We are also developing a proposal to further build the communications community through the strengthened involvement of the Europeana Network and Members' Council.

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) In this reporting period, the follow up work from the Spring edition of the Europeana Aggregators' Forum meeting in Berlin was still ongoing. The full report of the meeting was written and reviewed by the newly elected Steering Group of the forum and will be shared with all aggregators in July 2018.

Statistics Reporting

EF continues to provide usage statistics of Europeana on the Europeana Pro Page. We provide quarterly reports[211] on the Europeana end-user products, social media and third-party platforms (e.g. Usage Statistics Q1 2018[212]). EF also provides the reports for Members States[213] of which we increased the frequency from once to two per year (e.g. country reports[214]). (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[215] 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 Governing Board of Europeana Foundation met on 19 June 2018 and discussed

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[211] Usage statistics of Europeana data. View at
https://pro.europeana.eu/resources/statistics/europeana-usage-statistics
[212] Usage Statistics Q1 2018. View at https://pro.europeana.eu/page/usage-statistics-q1-2018
[213] Member states page on Europeana Pro. View at https://pro.europeana.eu/what-we-do/member-states
[214] Country reports. View at https://pro.europeana.eu/what-we-do/member-states#country-reports
[215] 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

Europeana Foundation's position in a changing landscape, the financial updates, Europeana Network Association updates, Europeana DSI-3 progress report, and generic services projects. The Board approved the 2017 Annual Report and Accounts.

The 'Vision for European Cultural Heritage 2025' conference took place on 28-29 May 2018 in Varna, as part of the Bulgarian presidency. It aimed to generate momentum, stimulate thoughts and reflections on the impact of digital cultural heritage, and design a vision of how to use and manage impact during the next strategic framework of the EU.

F. Maintain an international interoperable licensing framework

EF and KL continue to maintain the Europeana Licensing Framework[216] with the aim to standardise and harmonise rights related informations and practices. We also work with partners across the world to promote and maintain Rightsstatements.org[217] 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 continued to work on the review of the Data Exchange Agreement (DEA)[218] 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, work to develop the proposals for updates to the DEA was prepared in May and was shared with the review group of data partners in June. In the months of July and August the final update towards the DEA will be prepared along with guidelines for implementation.

EF chairs the Steering Committee for the Rightsstatements.org consortium[219]. Its members are continental or national digital libraries or platforms (including EF, Digital Public Library of America (DPLA)[220], Library & Archives Canada (LAC), National Digital Library of India (NDL), and National Library of Australia (Trove)). In June the annual meeting of the Steering Committee was held at the New York Public Library. On behalf of the Europeana foundation, Paul Keller was appointed as chair of the Consortium, while the role as coordinator continues to be held by EF.

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[216] Europeana Licensing Framework. View at https://pro.europeana.eu/post/the-europeana-licensing-framework
[217] Rightsstatements.org. View at http://rightsstatements.org/en/
[218] Data Exchange Agreement. View at https://pro.europeana.eu/page/the-data-exchange-agreement
[219] Rightsstatements.org. View at http://rightsstatements.org/en/
[220] Digital Public Library of America (DPLA). View at https://dp.la/

In June, German an Estonian translations of the rights statements provided by the consortium were published - developed with and by members of the Europeana network. Additional translations are being undertaken by members of the network which will further support the wide scale implementation of these statements at national level.

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

Impact of digitisation and reuse of cultural heritage

EF works with the Impact Assessment Taskforce[221] towards the publication of the components of the impact toolkit in 2017. The components developed consisted of a guide for cultural heritage organisations to assess their impact - the Europeana Impact Playbook [222]. The impact work is supported by a video explainer[223], a website[224], blogs and a community of impact professionals (on LinkedIn[225], 230 members). (Tender, task 5.1. Impact Assessment Framework toolkit, task 5.2 Europeana Impact Assessment Framework studies, task 5.3 Impact studies)

The impact task force met virtually in June to discuss progress and plan activities to support the development of the toolkit. Members also shared updates on the development of their own impact assessments, and discussed best practices to be included in the next version of the playbook.

The impact work and playbook was presented at Digikult, Annual digital cultural and practice conference[226] in Gothenburg and the DARIAH impact workshop 'measuring change in digital humanities'[227], Berlin. A workshop using the impact playbook methods was held during the EU presidency event in Varna.
Five cases studies are being developed using the impact playbook under the guidance of EF, and in the case of the theme migration is led by EF. In the reporting period, the partners involved in the case studies National Library of Wales (NLW), SmartSquare, Statens Museum for Kunst (SMK), and Transcribathon held design workshops with stakeholders to explore their impact. Data collection on migration continues and preliminary data for transcribathon has also been collected.

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[221] Impact Assessment Taskforce. View at https://pro.europeana.eu/project/impact-assessment
[222] Europeana Impact Playbook. View at
https://pro.europeana.eu/post/introducing-the-impact-playbook-the-cultural-heritage-professionals-guide-to-assessing-your-impact
[223] Impact video. View at https://vimeo.com/238533045
[224] Impact website. View at https://pro.europeana.eu/what-we-do/impact
[225] Impact of Cultural Heritage Institutions on LinkedIn. View at https://www.linkedin.com/groups/13528017
[226] Digikult, Annual digital cultural and practice conference. View at http://digikult.se/2018-2/
[227] DARIAH impact workshop 'measuring change in digital humanities'. View at
https://www.ibi.hu-berlin.de/de/forschung/information_retrieval/projekte-aktivitaeten/workshop-dariah-eu

The communications plan for the Impact community and playbook continued to be implemented over this period. Actions and activities focused on providing information to the community, positioning Europeana in the field, and work to better understand, target and respond to the needs of the audience. A series of surveys were created and sent to 515 contacts in order to help us understand our audience better, improve our offer, refine our messaging and identify advanced playbook users for case studies, focus groups and other comms opportunities.

To help improve understanding of audiences, and to increase our contact base, the details (through sign-up forms) of 290 Impact Playbook downloaders were captured. This enables us to communicate in a targeted manner with people who download the Playbook. In addition, GDPR compliant sign-up forms were implemented.

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 States[228]. We regularly publish a newsletter specifically targeted towards Member States (e.g. Europeana Quarterly Update - Spring 2018[229]). In this reporting period, as contribution to the legacy of the European Year of Cultural Heritage during the Bulgarian presidency, Europeana, the Bulgarian Ministry of Culture and Pencho Slaveykov Public Library organised a high level discussion with the aim to devise and propose a vision for European cultural heritage for implementation under the next multiannual financial framework. The event was held on 28 and 29 May 2018 in Varna, Bulgaria. High level policy makers from European ministries of culture, EYCH national coordinators, DG EAC and DCHE participated and contributed to the vision for European (digital) cultural heritage 2025. 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

The first 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.

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[228] Members State page. View at https://pro.europeana.eu/what-we-do/member-states
[229] Europeana Quarterly Update - Spring 2018. View at
https://us3.campaign-archive.com/?u=ad318b7566f97eccc895e014e&id=e9a3e539a2

Migration in the Arts and Sciences[230]

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. Partners NISV and FINA identified EU Screen material and improved metadata for inclusion in the thematic collection. KULeuven presented ideas, concepts and proposals for a migration-themed exhibition to be discussed with partners. This exhibition is schedule for publication in October 2018. Detailed information towards Europeana Migration can be found under objective H. 'C. Improve content distribution mechanisms' and Europeana Migration.

Rise of Literacy[231]

EF and consortium partners meet regularly to discuss content selection, ingestion and curation. Basecamp is being used effectively as a communication tool. Groups are dedicated to the two thematic collections that will be delivered (Europeana Manuscripts and Europeana Newspapers). Partners are developing expert editorials to be published over the next 1.5 years and beyond. National Library of Scotland (NLS) organised and hosted an editorial meeting held in Edinburgh with the aim to develop editorial planning (May 2018 - Feb 2019), communications planning as well as stakeholder exercises. Further, the first end-user blog (by CNR-OVI) was published[232].

Byzantine Arts and Archaeology (BYZART)[233]

In this reporting period, discussions were held with BYZART's project leaders regarding copyright and the rights statements they will apply to digitised material submitted to Europeana. BYZART will submit a second batch of test data soon for evaluation by the Collections and Data Partner Services teams.

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 May 2018). EF developed a process to technically handover the

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[230] Project page Migration in the arts and Sciences on Europeana Pro. View at
https://pro.europeana.eu/project/migration-in-the-arts-and-science
[231] Project page Rise of Literacy on Europeana Pro. View at
https://pro.europeana.eu/project/rise-of-literacy
[232] Reading habits in the past. View at http://blog.europeana.eu/2018/06/reading-habits-in-the-past/
[233] Project page Byzantine Arts and Archeology on Europeana Pro. View at
https://pro.europeana.eu/project/byzantine-art-and-archaeology

infrastructure. This is reported on in deliverable E.2 Transfer process report (latest submission June 2018) and the infrastructure is described in deliverable A.1 Europeana Infrastructure version 1.0, submitted to the Commission in February 2018. The reports will be updated in the upcoming months (e.g. E.3 Employed staff report, August 2018).

4. Key Performance Indicators (KPI)

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. Due to technical problems in our backend we are currently not able to extract the up to date numbers to report on the tiers of the Europeana Publishing Framework. The proper fix of the technical problem will be in place after we have migrated to Metis in August 2018. In that process we will also clean up our databases (MongoDB and Solr). From September on we expect to have a clean database again that will allow us to extract reliable figures about content complying to the tiers of the Europeana Publishing Framework

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 'organizations' in the Entity Collection and organization 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.

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

Description	Actual 31 May 2018	Target/actual 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	Not measured, due to technical problems in our backend we are currently not able to extract the up to date numbers to report on the tiers of the Europeana Publishing Framework	We are currently working on a short-term fix to include the figures in the next report.[234]	40% of the total
Tier 3+ data: 20% of the total			20% of the total
European Citizens			
Net Promoter Score for thematic collections, exhibition and blog > 30[235]	Europeana Collections received a Net Promoter Score rating of 69 (Spring 2018, measured quarterly) Exhibitions average[236]	69 (Europeana Collections) 55 (Exhibitions)	> 30
Reach of Europeana data: total impressions 3rd parties (Wiki, DailyArt ect.): 150 million	68,275,528	~50%/~46%	150,000,000
Reach of Europeana data: Total impressions social media: 82 million	51,756,256	~50%/~63%	82,000,000
Reach of Europeana data: Total engagement social media (shares/likes): 350 thousand	225,000	~50%/~64%	350,000
Reach of Europeana data: Traffic overall: 6 million visits	1,890,365	~50%/~32%	6,000,000
Engagement on Europeana products: Returning visitors >30% average on all thematic collections	27,7%	28,4	>30%
Engagement on Europeana products Downloads: 180 thousand	132,073	~50%/~73%	180,000

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[234] The proper fix of the technical problem will be in place after we have migrated to Metis in August 2018. In that process we will also clean up our databases (MongoDB and Solr). From September on we expect to have a clean database again that will allow us to extract reliable figures about content complying to the tiers of the Europeana Publishing Framework.

[235] Currently, for the European Citizens market we measure the NPS for Europeana Collections and exhibitions.

[236] Music and the Mechanics NPS 53, An Ecstasy of Beauty NPS 54, Visions of War NPS 58. After each exhibition is published, Net Promoter Scores (NPS) are gathered via an online survey until at least 100 responses have been received.

Engagement on Europeana products Click-throughs: 800 thousand	333,436	~50%/~42%	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	0	Planned to measure end of 2018	3
Business Plan developed and published	In progress	In progress	Published
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)	In progress	34	> 40
> Five integrations of Europeana data in dynamic learning environments (e.g. apps, publishing platforms)	1	2	> 5
Net Promoter Score for teachers using Europeana > 20	62 (eTwinning webinar survey)	62	>20
Creative Industries			
20 cases of new works, products or services created using Europeana content	1	1, priorities currently on education market	20
At least two new projects with high social and economic impact potential	0	In progress	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)	1,954	> 2,000
Five active Task Forces	4	4	5
Community-based organisation implemented	In progress	In progress	Implemented
Policy and Frameworks			
>25% of active Europeana aggregators have integrated	0%	Work has not started yet,	>25%

rightsstatements.org in their infrastructure		planned for end of 2018	
Economic impact case study published	-	In progress	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	Not measured	Planned to measure end of 2018	> 30

5. Deviations and adjustments

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

6. Major changes in staff if applicable

There are no major changes in staff in this period.

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 May 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 May figures reflect the time frame 1 September 2017 until 31 May 2018.

Category of activity	Foreseen Percentage of the full contract value in the tender	September 2017	November 2017	January 2018	March 2018	May 2018
1. Platform maintenance and development	**38%**	40.6%	40.7%	40.1%	39.7%	39.4%
2. Fostering content supply	**18%**	19.6%	18.7%	18.0%	18.2%	18.4%
3. Fostering content reuse	**19%**	17.3%	16.8%	16.4%	16.1%	16.1%
4. Communication and dissemination	**14%**	8.6%	9.2%	11.6%	12.5%	12.9%
5. Studying the impact of digital cultural heritage	**2%**	1.8%	2.8%	2.8%	2.6%	2.6%
6. Governance	**1%**	2.6%	2.1%	1.8%	1.8%	1.8%
7. Handover	**3%**	0.5%	0.5%	0.7%	0.6%	0.6%
8. Project management	**5%**	9.0%	9.2%	8.6%	8.5%	8.2%
Total	**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	In preparation
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 Delivered to EC
B.3 Final report	Report	M12	In preparation
C.1 Technical documentation	Report	M9 ,M12	M9 Delivered to EC
C.2 Usage pattern reports	Report	M4, M8, M12	M4, M8 Delivered to EC
C.3 Data access pattern reports	Report	M4, M8, M12	M4, M8 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 Delivered to EC
D.1 Study on impact of digitisation and reuse of cultural heritage	Report	M12	In preparation
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 Delivered to EC

Annex I: Helpdesk services and expertise

The annex states activities from 1 September 2017 until 30 June 2018.

CHI that received support	Kind of support received (one-on-one, workshop, specific training,...)
2Culture	
CARARE membership	2Culture and AthenaRC: domain helpdesk services provided for MINT, MORE and pro.carare.eu.
Basel Landschaft museums consortium	One-to-one: Provision of data update to Europeana
KNAW Dans	One-to-one: Advice concerning rights licensing
Hispana + FEDAC (Calibo de Gran Canaria)	One-to-one: Advice concerning data update
Institut National Patrimonial, Romania	One-to-one: Advice concerning data update, metadata specifications, configuring EDM export + metadata enrichment with AAT top subject concepts
Byzart project and the University of Bologna	One-to-one: liaison concerning metadata provision, controlled vocabularies and Omeka software
University of Jaen	One-to-one: advice concerning data update, metadata mapping and metadata enrichment
University of Vilnius Faculty of Communication	One-to-one: advice concerning metadata enrichment with AAT top subject concepts, data republication
Skagafjörður Heritage Museum	One-to-one: liaison
Kulturarvstyrelson	One-to-one: advice concerning Europeana publishing framework + data update
INCEPTION project + Nemoris S.r.l.	One-to-one: liaison concerning the use of the CARARE metadata schema
Archaeology Data Service	One-to-one: advice concerning the use of the new Rights Statement.org licence for education + provision of metadata update to Europeana
Visual Dimension bvma	One-to-one: liaison concerning the publication of a new 3D collection

Ministry of Brussels Capital Region	One-to-one: liaison concerning publication of an update to their collection
Cyprus University of Technology	One-to-one: liaison concerning provision of data to Europeana
National Archaeological Institute with Museum at the Bulgarian Academy of Sciences	One-to-one: liaison concerning publication of an update to their collection
St Paul's, London	One-to-one: advice concerning the provision of data to Europeana
Swedish National Heritage Board	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	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	Liaison with Rijksdienst voor het Cultureel Erfgoed, Netherlands and advice on aggregation channels
Heritage Malta	Support on preparation of high quality datasets, one-on-one support on EDM mapping
Rijeke Industrial Heritage	Advice on aggregation channels
Visual Dimension	One-on-one advice on metadata
University of York, Archaeology Data Service	One-on-one support on metadata mapping, the addition of SKOS subject concepts from AAT, and use of the new rights licence suite.
Rijksdienst voor het Cultureel Erfgoed, Netherlands	One-on-one 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	Support on preparation of high quality datasets
Royal Society of Antiquaries of Ireland	Support on preparation of high quality datasets
MECD + FEDC	One-on-one (EDM, controlled vocabularies, enrichment)
Ministry of Culture, Denmark	One-on-one (Europeana rights and publishing framework)
Cyprus Institute	One-on-one (collections update)

Democritus University of Thrace	One-on-one (metadata schema)
Polytechnic of Milan	One-on-one (metadata schema)
National Heritage Board of Poland	One-to-one - general enquiry
Agency for Heritage and Palaces, Denmark	One-to-one - general information about Europeana Publishing Framework
Discovery Programme	One-to-one - metadata enrichment
National Heritage Institute, Czech Republic	One-to-one - metadata enrichment + updating edm rights statement
AIT Graz	
Naturalis Biodiversity Center	One-on-one advice and individual support (New Data Provision, support for source metadata provision)
Royal Botanical Garden Kew	Individual Support (Change of Data input, support for source metadata provision, re-harvest, advice on new rights statement)
MNHN	Individual Support (Change of Data input, support for source metadata provision)
NKM Potsdam, Leipzig, Grant Museum	One-on-one contact
DSMZ-Deutsche Sammlung von Mikroorganismen und Zellkulturen GmbH	One-on-one advice on image access and on solving technical problems
NHMV - Natural History Museum Vienna	Support on preparation of high quality datasets, One-on-one advice on image quality
FOTO_AM - Department of Life Sciences, University of Trieste	One-on-one advice on data access
GBIF France	One-on-one taking up communication for joining Europeana
ZFMK	One-on-one contact concerning quality improvement (incl fixing broken links)
Jena/Halle herbarium	One-on-one taking up communication for joining Europeana
Herbarium Gatersleben	Support on preparation of high quality datasets, One-on-one communication on finalizing the connection, Support for source metadata provision
Natural history museum Luxembourg	Support on preparation of high quality datasets

Herbarium Hamburgense	Support on preparation of high quality datasets
Musee de la Vallee, Barcelonnette	Advice on the OpenUp! aggregation process, help with hosting problems
Finalisation of the OpenUp! Data package for Europeana - according to workplan.	Automated Support Services for about 40 content archives
APEF	
Archives de l'Université de Louvain	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	Help in producing Europeana content for the #AllezDemocracy campaign
Estonian State Archives	Help in producing Europeana content for the #AllezDemocracy campaign
International Institute for Social History / Amsterdam	Help in producing Europeana content for the #AllezDemocracy campaign
Romanian National Historical Archives	Help in producing Europeana content for the #AllezDemocracy campaign
Slovakian State Archives	Help in producing Europeana content for the #AllezDemocracy campaign
Archives Hub/UK	Support on preparation of high quality datasets
National Archives of Portugal and Sweden	Support on preparation of high quality datasets
AthenaRC	
Basel Landschaft museums consortium	One-to-one: Provision of data update to Europeana
Archaeology Data Service	One-to-one: Provision of data update to Europeana
Vilnius University	Individual support (metadata enrichment, controlled vocabularies, data republication)
National Archaeology Institute with Museum	Individual support (metadata enrichment, controlled vocabularies, data republication)
BL	
Kist o Riches / Tobar An Duchuis	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)	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	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)	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)	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	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)	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)	One-to-one demonstration of MINT showing how raw metadata can be transformed into EDM format
Biblioteca Catalunya	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	Recap, via email, on how to revise datasets on MINT; discussion on what revisions could be made
NISV	One-to-one discussion at Aggregators' Forum on data revision targets, advice on xml lang attributes
All Europeana Sounds data providers	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	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)	Provider contact, 100 new video items to be delivered, provider contact regarding delivery of thumbnails for new video items
Cineteca di Bologna (CCB)	Provider contact regarding update of provider set and bug fixes
Filmoteka Narodowa (FN)	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)	Provider contact about new items, metadata quality
Cinémathèque Royale de Belgique (CRB)	Provider contact regarding update of provider set and bug fixes
Tainiothiki tis Ellados	Feedback on preparation of XML exports and plannings for legacy data improvement (ongoing process)
Museo Nazionale del Cinema	Feedback on metadata quality and support on application of rights statements
Filmoteca de Catalunya	Feedback on metadata quality for new contribution; Gave provider final feedback on new export structure
Austrian Film Museum	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)	provider contact about possibility to provide replacement thumbnail links
Národní filmový archiv (NFA)	provider contact regarding provision of new IsShownBy and thumbnail links and access rights to digital objects
Lichtspiel - Kinemathek Bern (LKB)	provider contact regarding provision of spatial information and fixing of OAI-PMH
Det Danske Filminstitut (DFI)	provider contact regarding changes in export structure and harvesting of OAI-PMH
Estonian Filmarchives (EFA)	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	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)	One-on-one support for the mapping improvement of the ingested datasets in the eFashion aggregator.

NISV (Netherlands)	One-on-one contact for the fixing of broken links of a video dataset
Israel Museum (Israel) / Bezalel Academy of Arts and Design	One-on-one support for improving of metadata mapping of their ingested datasets and to ingest new dataset
Muzealne Mody (Poland)	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
CatwalkPictures (Belgium)	One-on-one support for the ingestion of a new dataset directly via a SOAP interface in MINT
Bezalel Academy (Israel)	eFashion: One-on-one support for the preparation of a dataset to be ingested in the eFashion aggregator
SONS (Shoes or not shoes)	One-on-one support to fix mapping
Rossimoda	One-on-one support to improve mapping
ModeMuze (different providers)	One-on-one support to improve mapping
MCA	
Ukrainian National Contact Point (Olga Barkova at BALI)	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)	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)	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)	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)	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)	Planning the aggregation of new collections.
National Documentation Center	Update of the dataset published under the ATHENA project

(Greece)	(Parthenon frieze's marbles); One-on-One support for the reallocation of the EKT dataset published under the ATHENA project
Nationalmuseum (Sweden)	Content enrichment planned
Music Library of Greece "Lilian Voudouri"	One-on-One support for the republication of records published under the ATHENA project
Schola Graphidis Művészeti Gyűjtemény	One-on-One support for the publication of new records
NISV	
AQSHF (Arkivi Qendror Shteteror i Filmit)	Contact on resolving the broken links issue and preparing data updates
CTV (Czech Television)	Contact on resolving the broken links issue
ERT (Hellenic Broadcasting Corporation)	Contact on resolving the broken links issue
FINA (Filmoteka Narodowa - Instytut Audiowizualny)	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)	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)	New partner. Support on general workflow and guidelines in EUscreen, access to MINT.
NISV (Netherlands Institute for Sound and Vision)	Help with updating part of the dataset
MACE (Media Archive for Central England)	New partner, advice on EUscreen aggregation process
RTK (Radiotelevizioni i Kosovës)	New partner, advice on EUscreen aggregation process
DW (Deutsche Welle)	one-on-one contact on preparing an update
INA (Institut national de l'audiovisuel)	one-on-one contact on preparing an update
TVR (Romanian Television)	one-on-one contact on preparing an update
NAVA (Hungarian National Audiovisual Archive)	Help with preparing an update and fixing a broken link issue
TVC (TV3 Televisió de Catalunya)	one-on-one contact on preparing an update

RTV SLO (Radio-television Slovenia)	one-on-one contact on preparing an update
ORF (Austrian Broadcasting Corporation)	one-on-one contact on preparing an update
LCVA (Lithuanian Central Archive)	one-on-one contact on preparing an update
National Digital Archive Poland	New partner, introduction EUscreen workflow
Photocons	
TopFoto (UK)	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)	Under discussion the terms of support to be provided for aggregation of a new collection (mapping)
GENCAT (Spain)	Support in finalization of dataset update, according to the requirement/suggestions of the ingestion team
Promoter (Italy)	Support and liaison with EF and NTUA for dataset update + ingestion of a small new batch
Arbejdermuseet (Denmark)	Problem-solving support for broken links
Archivo Jalon Angel (Zaragoza)	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	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	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	Support on preparation of high quality datasets
Parisienne de Photo (France)	Problem-solving support for broken links (solved); work with them on updating links for isshownby
CRDI (Spain)	Support in finalization of dataset update, according to the DSI requirement/suggestions (nearly ready for harvesting)
POLFOTO	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 30 June 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 supports the task by communicating with data partners on this issue and by requesting data 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 superceded in the Europeana rights framework by labels provided by Rightsstatement.org is being re-labelled as uodates are provided.
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	We planned to populate at least 50% of the CARARE collection with subject concepts for archaeology and architecture from LOD sources. This target has been exceeded, with 72% of the CARARE collection now including high level subject concepts for archaeology and architecture from the AAT. In addition to this content, AAT subject concepts for archaeology and architecture have been added to collections provided to Europeana via LoCloud data partners.
Objective 4: Improve the availability of contextual metadata Increase to 5% the amount of records with detailed subject concepts for archaeology and architecture related	This target set out to increase the number of content items with detailed subject concepts for archaeology and architecture to 5%. Currently detailed AAT subject concepts have been added to around 3% of the collection. Work is underway by data partners to complete mappings of their subject vocabularies to the

to AAT.	AAT, which will enable enrichment of their datasets with detailed AAT subject concepts in due course.
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.
AIT Graz	
Inclusion of the edm:places metadata delivered by OpenUp! into the more relevant "Location" section of the Europeana Portal	Completed: The transformation routine has been updated for to include wgs84_pos:lat + wgs84_pos:long whenever there are coordinates in the original metadata The test set BGBM has been delivered to Europeana. Nevertheless: There is still discussion necessary to have the correct map being displayed with the record.
skos:Concept and related children	Completed: The language attribute for skos:prefLabel is now provided if a language information is given in the original metadata, and if this language information can be mapped to a standard (ISO) language attribute (not always the case for rare dialects) The test set BGBM has been delivered to Europeana. Nevertheless: Testing of the correct display of the common names is still underway.
APEF	
apeEAD to EDM conversion improvement	Reached an understanding of what to improve
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	Preparing a MINT publication at the end of June for an increase in language attributes. 9 out of 20 data providers have now committed to revising their metadata by this date.

Objective 3: Improvement of geo-location metadata	BL: Improvements made to datasets, parsing place names.
Objective 4: Improvement of the edm:Agent data	BL: Continuing to add agent classes from VIAF, at least at collection level and also at item level (which is more intensive) across all datasets.
Objective 5: Improvement of date values	Identification of datasets which would benefit from this improvement has begun; more improvements will be made at end of June (and, on MINT, in July and August).
Objective 6: Improvement of concept values	BL: 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	
Related to all data quality plan objectives	Provision of harvesting links for a total of twelve updated datasets.
Objective 1: Improve multilinguality	Enrichment of dc:type, dc:subject, dc:description, dcterms:alternative with lang@ for seven datasets.
Objective 2: Improve geolocation	dcterms:spatial enriched with literal instead of ISO code for eleven datasets.
Objective 3: Increase skos: concept class	Enrichment of dc:type with values from Europeana vocabulary for seven updated datasets. Enrichment of dc:subject with dbpedia term "World War I" for one dataset.
Objective 4: Improve chronological information of NonAV material	Enrichment of dcterms:created for five datasets.
Objective 5: Improve dc:type for AV records	Enrichment of dc:type for four datasets.
Additional data quality improvement not listed in the DQP	Fixed broken links for three datasets; provided more or larger thumbnails for two datasets; increased dc:subject for five datasets; provided dc:creator, dc:publisher, dc:contributor for one dataset; improved chronological information of AV material for one dataset; increased dc:description for one dataset; improved licencing for two datasets; provided edm:WebResource dc:format for four datasets; populated edm:rights in one dataset; enriched dcterms:extent in edm:WebResource for two datasets.
eFashion	
100% of the relevant fields have the xml:lang attribute.	Done

Sub-objective: Align attributes with ISO 639-3 (older mappings may have 639-2 language tags)	
100% of the records have at least one instance of dc:type	Done
Provide edm:isShownBy that is a video for edm:type VIDEO	Done
99% of all records with date information element (dc:date or dcterms:created)	Done
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	- 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.	We populated the 90% of the xml language attributes of the records of the following datasets: ● Benaki Museum ● The Royal Armoury Skokloster ● AMS Historica Bologna ● Piraeus Bank Group ● Jewish Museum Prague ● Brandeis University Datasets still need to be udpated in Europeana Collections.

Task 2: All MUSEU data sets should have a 75% of their records meaningfully geolocated.	This activity was already completed for the following datasets: ● Benaki Museum ● The Royal Armoury Skokloster ● AMS Historica Bologna ● Piraeus Bank Group ● Jewish Museum Prague ● Brandeis University ● Ben Uri Gallery and Museum, London ● Telegraph Museum All the above mentioned datasets have now meaningfully geolocated values. Datasets still need to be udpated in Europeana Collections.
Task 3: all MUSEU datasets should have meaningful conceptual entities in at least 60% of their records.	We added conceptual entities to the same datasets of task 2. We highlighted some issues: EDM Agent. Often we do not have enough information to produce a class. SKOS concept. Quite often there are no information in the source metadata to determine the conceptual entity.
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 enriched by Europeana.	This activity has been made on the same datasets as in task 2 and 3. Most of the time, the type of objects present in the datasets are very heterogeneous because the emphasis is on the institution (the museum, that aggregates its heterogeneous collection) rather that on a single type of object (e.g. photographs) or theme (e.g. fashion). When an homogeneous type has been found, the equivalent value in AAT has been added (i.e. Pyreus). Datasets still need to be udpated in Europeana Collections.
Task 5.1 dataset 2048087 Portable Antiquities Scheme (Collections Trust)	
Task 5.2 dataset 2048077 FotoMarburg	FotoMarburg data were republished in June 2018; they sum up to 369,396 records that replace 765,753 records provided under the ATHENA project. Europeana now has for each photograph a separate records).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 (Tier 0 → Tier 2).
Task 5.3.1 2048099 SAN	

Task 5.3.3 various CulturaItalia (2048011)	CulturaItalia will reharvest by the end of the year all the published datasets and will appear as autonomous aggregator.
AOB	We analysed the 66% of the records of all MUSEU datasets (82).
AOB	Beyond the planned tasks, we also fixed some quality issues that the Europeana DPS team highlighted for some datasets.
NISV	
General	Publication on Europeana Collections of the EUscreen core collection of more than 60,000 records. Improving the presence and the amount of conceptual entities, as well as increasing the object size upgrading these records to Tier 2.
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. Also further work has started on this objective in the MINT instance of EUscreen (not published on Europeana Collections yet in this reporting period).
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.
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.
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. In this reporting period the changes were published on Europeana Collections as well, upgrading these records to Tier 2
Photocons	
Objective 1 - Re-engineering of the Photoconsortium vocabulary	Integration of the new, dereferenced vocabulary in MINT is ongoing. Once done, the datasets will be republished with links to AAT and Wikidata

Objective 2 - Data preparation and mapping training	While the remapping of the vocabulary is completed, discussion is progressing for collaboration with Getty to add new terms in AAT (to be of course then integrated in our vocabulary).
Objective 3 - Technical metadata improvement	This comes after the thesaurus is ready, i.e. after obj. 1 and 2 are in place
Objective 4 - Agents metadata improvement	This comes after the thesaurus is ready, i.e. after obj. 1 and 2 are in place. The photographers list for dc:creator, which will help normalising the names in the datasets and link to wikidata where available, is partly ready.
Objective 5 - Contextual and informational metadata improvement	Checks for broken or irrelevant links is always ongoing
Objective 6 - General metadata improvement	NALIS provided c. 2.000 english titles and descriptions for records which had Bulgarian only
Objective 7 - Content improvement	The update for TOPFOTO includes 1.000 records with smaller watermarks. As part of the work to advocate for high quality content, during the Photoconsortium annual event in Barcelona on 12 June we illustrated the Europeana Publishing Framework and showcased the thematic collections. More about the event.
Objective 8 - Licensing improvement	Update of rights aligning to rightsstatements.org for a number of datasets
Objective 9 - A Photoconsortium Europeana metadata strategy document	Initial draft is ready and was discussed at Barcelona assembly

Annex III: Communication and dissemination activities

The annex states activities from 1 September 2017 until 30 June 2018.

Partner	Name of event	Activity	Location	Date	Website/ Resource
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.utsc.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://european-cultural-heritage-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/openscienceandthehumanities/
EF	Archaeology and Architecture in Europeana	Presentation on Europeana Collections and Archaology in Europeana	Lund, Sweden	20/06/ 2018	http://www.carare.eu/events/archaeology-architecture-europeana/
INESC-ID, EF	IIIF Discovery Workshop	Presentation and demo	Stanford, USA	19-20/06/ 2018	https://pro.europeana.eu/event/europeanatech-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://european-cultural-heritage-summit.eu/events/cultural-heritage-communities-and-audiences-in-todays-digital-environment?card=7513
EF	edTech Global 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
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-hungarian-workshop
Photocons	Paper for Euromed conference	PHOTOCONSORTIUM: opening up the riches of Europe's Photographic Heritage" about the collections and the metadata		06/2018	

		improving actions of DSI2 and 3.			
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-fut ure/
EF	EuropeanaTech Conference 2018	Panel Member; Representing Europeana	Rotterdam, Netherlands	16-17/05/ 2018	https://pro.eur opeana.eu/eve nt/europeanat ech-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 DSI-3 MOOC for teachers	Brussels, Belgium	04-06/05/ 2018	http://www.scientix.eu/conference
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.irmo.hr/registration-is-open-for-the-international-round-table-digital-single-market-and-its-impact-on-cultu

					re-and-media-in-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.scientix.eu/spw21-at-fcl-after
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://libereurope.eu/events/feedback-workshop-reuse-of-cultural-heritage-charter/
Photocons	ECHIC conference	Presentations "Publishing Thematic Collections on Europeana – the Challenge of Big CH Repositories" + "Creative with Digital Heritage: the Europeana Space MOOC"	Leuven, Belgium	06/04/ 2018	https://www.arts.kuleuven.be/echic-2018/Programme
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
MCA	MUSEU website	New material	Online	March-April 2018	http://www.museuhub.eu/
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.euro pa.eu/info/eve nts/innovation- and-cultural-he ritage-2018-ma r-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-he ritage-campaig n/?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.bibl issima-condorc et.fr/fr/evenem ents/journee-bi blissima-iiif-inn over-redecouvr ir-patrimoine-e crit-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.europa.eu/culture/policy/strategic-framework_en
EF	EduSpot	Representing Europeana in a workshop of the French Ministry of Education	Paris, France	15/02/2018	https://www.eduspotfrance.fr/
F&F	Colloquium of Georg Eckert Institute, Leibniz-Institute for International Textbook Research	Presentation of Europeana 1914-1918 and Transcribathon.eu	Braunschweig, Germany	14/02/2018	http://www.gei.de/fileadmin/gei.de/pdf/presse/Drauschke_GEI_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.eu/eudat-conference-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 exploring big archival data'	Boston, USA	13/12/2017	http://dcicblog.umd.edu/cas/ieee_big_data_2017_cas-workshop/
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 & History with Connected Data	London, UK	16/11/2017	http://connected-data.london/programme-2017/
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

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 in February 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
The europeana.eu domain name; registered trade mark No. 005444435 filed with the Office for Harmonisation in the Internal Market (OHIM) by Stichting European Digital Library; registered trademark No. 010036853 filed with OHIM by Stichting Europeana on 10/06/2011;	Registered Trademark(s)	Stichting Europeana
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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Any document or digital object, created by 2Culture Associates Ltd, before 31 August 2017, whether published or not	Copyright	2Culture Associates Ltd
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)**

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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

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

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Any document or digital object created by AIT VIENNA before 31 August 2017, whether published or not	Copyright	AIT Austrian Institute of Technology GmbH
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The Entity API service	Licenses, copyright	AIT Austrian Institute of Technology GmbH

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-ld 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)**

Pre-existing material	Rights to pre-existing material	Identification of rights holder
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	Copyright	APEF

profiles, reports, creation/edition, etc.), XSLT-s, schema files, etc.		
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
Ownership of the URL archivesportaleurope.eu including all subpages	Copyright	APEF
Ownership of contracts with Leaseweb with regard to the servers for the portal and the dashboard	Copyright/licenses	APEF
apeEAD: includes schema file(s), documentation and manuals	Copyright	APEF
EAG 2012: includes schema file(s), documentation and manuals	Copyright	APEF
apeEAC-CPF: includes schema file(s), documentation and manuals	Copyright	APEF
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.)		
Ownership/admin access to the social media accounts (Facebook, Twitter, LinkedIn, YouTube, Vimeo, etc.)	Copyright/licenses	APEF
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)**

Pre-existing material	Rights to pre-existing material	Identification of rights holder
The MORe aggregator software, 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	Athena Research and Innovation Centre
Any document or digital object, created by Athena Research and Innovation Centre, before 31 August 2017, whether published or not	Copyright	Athena Research and Innovation Centre
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
The LoCloud Geo coordinate transformation service	Copyright	Athena Research and Innovation Centre
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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Any document or digital object, created by The British Library, before 31 August 2017, whether published or not;	Copyright	The British Library
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9. **CLARIN ERIC (CLARIN)**

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11. Stichting Digitaal Erfgoed Nederland (DEN)

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12. Deutsches Filminstitut - DIF e.V. (DIF)

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13. Europeana Fashion International Association (EFASHION)

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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

15. Euroclio European Association of History Educators (EUROCLIO)

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The domain names www.euroclio.eu www.historiana.eu www.historiana.org		EUROCLIO

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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19. James Lovegrove SPRL (LOVEGROVE)
No pre-existing rights exist

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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Photoconsortium.info		

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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No pre-existing rights exist

28. **The University of Sheffield (USFD)**
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