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Revision History

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1. Introduction

The fourth report follows up on the Deliverables B.2 of M2, M4, M6[1] and describes the work carried out in Europeana DSI-3 from 1 March 2018 until 30 April 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 March 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 during the time frame 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. In the context of the Europeana Migration campaign and thematic collection a new functionality was added to Europeana Collections to collect user-generated content (Europeana Contribute).
   b. The Newspapers API for the upcoming Newspaper thematic collection due in July 2018 is under active development. The first milestone for the Newspapers API was met. The main API is now able to point to the new IIIF endpoint making it possible for Collections to display all the pages of a Newspaper item using the manifest that the IIIF API has generated.
   c. The recently published exhibitions received an excellent NPS e.g. Visions of war[2] received a NPS score of 58 with 125 respondents (A NPS that is positive (e.g. higher than zero) is felt to be good while an NPS of +50 is excellent[3]).

B. **Optimise data and aggregation infrastructure** - work under this objective is on track, no major deviations. Highlights are:
   a. A major highlight the Slovak National Gallery published 9,500+ high-resolution and public domain artworks, following weeks of careful data preparation with the Gallery.
   a. The development of Metis as a Minimum Viable Product (MVP) is to be operationable at the end of May 2018. For now, the MVP implements Europeana's requirements and therefore targets primarily the Europeana Data Officer users.
   b. The draft white paper 'A new landscape for Aggregation' is almost ready. The preparation of an advocacy campaign is underway with all participants of that task contributing to.

C. **Improve content distribution mechanisms** - work under this objective is on track, no major deviations. Highlights are:
   a. In March Europeana's Migration Campaign kicked-off (under EYCH) with the first Europeana Migration Collection Day, held in partnership with the House of European History. We collected 51 stories and digitised 100 objects. The stories covered 43 countries.
   b. In March the Europeana 1914-1918 Centenary Tour kicked off, a campaign to commemorate the centenary of the end of the First World War.

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[2] Vision of War. View at https://www.europeana.eu/portal/en/exhibitions/visions-of-war
[3] Net Promoter. View at https://en.wikipedia.org/wiki/Net_Promoter

c. Together with cultural institutions from across the world, EF invited users to help celebrate Women's History Month (March, 2018) by daily posts on social media about notable women in history, #GalleryOfTheWeek and cover image voting related to the theme, and by promoting relevant recent and older blogs.

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: in March Europeana was announced as a winner of the Open Education Award[4] for Excellence in the category of Open Culture. The award ceremony will be held on 25 April during the Open Education Global Conference[5].
   b. Education: The Ministry of Education in France ran a Europeana user survey on their national portal Edutheque, 1012 respondents out of 1312 would recommend Europeana to their peers (note: not all respondents answered all questions). The most popular resource topics on Edutheque are First World War, Art and Music; in terms of content type - images and online exhibitions.
   c. Education: itslearning[6], one of Europe's 50 fastest growing technology companies with over 7 million people actively using their solutions for education, developed a plugin in their virtual learning environment to integrate Europeana content when creating a learning resource.
   d. European Citizens: for the first time, Europeana collaborated with Reddit, the social news aggregation, discussion and web content rating website, on an 'Ask Me Anything session' about Europeana. Latest statistics show that Reddit now has as many active users as Twitter, is the sixth most visited website in the world, and visitors spend more time there than on any other social media platform.
   e. European Citizens: in the context of Europeana Migration the volunteer crowdsource campaign on Wikidata[7] proved to be efficient, effective, and also popular with highly engaged participation for the translation of 61 terms of the 'migration vocabulary'.
   f. Creative Industries: The Europeana #edTech challenge closed at the end of February with nearly 80 applications from across the world. An international panel[8] of experts selected two projects for further development - "Wonders of the World" app by the Italian startup Art Stories and "Bird Song Memory"

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[4] Blog on 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

[5] Open Education Global Conference, April 2018. View at https://conference.oeconsortium.org/2018/

[6] itslearning. View at https://www.itslearning.com/welcome.aspx

[7] Europeana Migration vocabulary. View at https://www.wikidata.org/wiki/Wikidata:Europeana_migration_vocabulary

[8] Europeana #edTech Challenge 2018 - Jury. View at https://pro.europeana.eu/page/europeana-edtech-challenge-2018-jury

hybrid learning solution by the team of Léna Mazilu and Yoann Gueny - one person start-ups in France[9].

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 preparations for the EuropeanaTech 2018[10] are in their final stage, scheduled for May 15-16 2018 at the SS Rotterdam in Rotterdam, the Netherlands. The list of all the keynote speakers[11] and their contributions was finalized and published on Europeana Pro.

    b. EF and several partners in Germany ran the spring edition of the Aggregator Forum meeting in Berlin, 22-23 March 2018. All Europeana DSI-3 aggregating partners actively participated in the meeting, chaired working sessions and contributed significantly to the success of the meeting. In that context we also investigated how to reboot the Aggregator Forum. The proposal to elect a Steering Group for the Aggregator Forum was approved in Berlin and elections are now running for a chair and a vice chair.

F. **Maintain an international interoperable licensing framework -** work under this objective is progressing well, no major deviations. Highlights are:

    a. The first copyright community newsletter[12] was sent in March to 525 people identified as having expressed an interest in copyright during their interactions with Europeana. Recipients were asked to formally join the community which has so far resulted in 60 Network members joining the community.

    b. The Rightsstatements.org Business plan for 2018[13] wase published in March 2018, setting in place four goals for the consortium to reach in order to further the embedding of rights statements in cultural heritage institutions globally.

    c. In April the annual meeting of the rightsstatements Working Group was held at the New York Public Library, including representatives from Europeana and the Network.

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[9] Blog on Europeana #edTech Challenge winners: winners announced. View at
https://pro.europeana.eu/post/europeana-edtech-challenge-winners-announced
[10] Europeana Tech conference. View at
https://pro.europeana.eu/event/europeanatech-conference-2018
[11] EuropeanaTech 2018 key note speakers. View at
https://pro.europeana.eu/post/europeanatech-2018-our-keynote-speakers
[12] Copyright Community, Issue 1: Sharing knowledge throughout the cultural heritage sector. View at
https://mailchi.mp/ef5bbce793cf/welcome-to-the-first-newsletter-of-the-europeana-copyright-community?e=[U
NIQID]
[13] Rightsstatements.org Business plan for 2018. View at
https://pro.europeana.eu/post/developing-the-rightsstatements-org-consortium-in-2018

G. **Implement and develop new strategies, services and business models** - work under this objective is on track, no major deviations. Highlights are:
   a. The impact task force held a two day workshop in April at Europeana offices to review the contents of the Impact toolkit and identify how it should be further refined in the coming months. This included a mentor session for practitioners of the playbook.

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. The Migration in the Arts and Sciences project finalized the editorial plan for the Europeana Migration thematic collection, with regular blogs and galleries beginning in April 2018.
   b. The Rise of Literacy project finalized its editorial plans for Europeana Manuscripts and Europeana Newspapers thematic collections.
   c. An internal review meeting of the BYZART project was held in April to assess project progress and discuss specific topics such as metadata, rights statements and communications.

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[14] 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[15] and Europeana thematic collections[16] for European Citizens; Europeana Pro[17] for Cultural Heritage Institutions (CHIs); Europeana Labs[18] (as part of Europeana Pro) for Creative Industries; Europeana Research[19] (as part of Europeana Pro) for Academic Research; and Europeana Education[20] (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[21]. (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. All the backlogs are prioritized for the Europeana DSI-3 priority releases.

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

EF also started preparing the roadmap for Europeana DSI-4 aiming to agree on all the releases before summer, leaving some time to prepare and estimate the backlogs before the start of Europeana DSI-4.

To maintain and develop the Europeana platform EF maintains several product teams. A description of activities performed in the reporting period related to the individual products can be found on the next pages.

Europeana Collections[22] and Europeana thematic collections[23]

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 2018, we aim to facilitate a more mature and intuitive browsing experience on Europeana Collections. With this in mind, we redesigned the item page and are introducing a new concept: browse pages. Both will be released in summer. Primary development focus has become Newspapers and the new item page, intended to be released together. This involves modifying and connecting the IIIF player to simulated APIs to prepare for the launch of the Newspapers APIs. Aesthetic changes are being made to the new item page.

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). Building on previous tools to collect user-generated content as developed for the Europeana 1914-1918 project, this new functionality introduces design, a user-friendly interactive form and streamlines the process of collecting user-generated content. The MVP solution for the UGC is completed and technical debt is being recovered, as well as incremental changes made based on our observations with users.

We also decided to continue development of the oEmbed service for Europeana Collections with the new requirements from Europeana Pro. This service will allow users to easily reuse openly licensed data from our site with the correct attribution to enrich their content.

EF has continued efforts to enhance the visibility of Europeana Collections on the web, and prioritized actions to this effect: (1) Include entities from the Entity Collection in the sitemap; (2) Get more backlinks from big Linked Open Data sources; (3) Include 'organizations' in the Entity Collection and organization pages in Europeana.eu; (4) Publish Schema.org metadata alongside our pages; (5) Investigate the tuning of search results to reflect the metadata quality. 1-4 are scheduled for implementation in Europeana DSI-3.

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

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) The first milestone for the Newspapers API was met. The main API is now able to point to the new IIIF endpoint making it possible for Collections to display all the pages of a Newspapers item using the manifest that the IIIF API has generated. Work will continue with the support for storing, indexing and delivering of full-text. INESC-ID and EF continued data conversion work and the design and configuration of the search engine that will be deployed on top of the Newspapers full-text.

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) 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. The profile shows the logo, description, address and contact info for the aggregator. The aggregator landscape will be available on Europeana Pro beginning of May. We also upgraded the content management system to the most recent version to improve its performance.

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, started to implement the support for Organizations on the Entity API and its integration with Zoho (CMS used to manage information on organizations). The information obtained from Zoho will additionally be enriched using Wikidata (when possible) mainly to improve the multilingual coverage.

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. Its present state of implementation already fulfils the requirements for Metis migration and development will continue to reach full completion.

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). The next regular, planned quarterly user satisfaction survey for Europeana Collections will take place in May 2018.

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. The recently published exhibitions received an excellent NPS. A NPS that is positive (e.g. higher than zero) is felt to be good while an NPS of +50 is excellent[24].

Online exhibition	Net Promoter Score (10.04.18)	Number of respondents (10.04.18)
An Ecstasy of Beauty[25]	54	101
Visions of War[26]	58	125

All our user research activities are described in more detail in deliverables C.2 Usage pattern report (updated January and April 2018), Data access pattern report (updated January and April 2018) and C.5 Reports on suggestions for improvements received (updated February 2018).[27]

Search engine development and maintenance

EF and USFD investigated the development of new search technologies with the aim: (A) to improve querying within specific Europeana Collections; (B) to get logs into queryable form for benchmarking and reporting; (C) to Log Entity Collection (EC) searches to be able to track usage of entities from the Collection and to rank position of entities selected from the autosuggest entities list; and to re-define query strategy for Entity Collection; (D) to build a query testbed for Learning-To-Rank (LTR); and (E) Evaluation of knowledge graphs in Europeana (Tender, task 1.5. Research and Development of entity based and log analyses based search technologies) In this reporting period we performed following activities:

(A) Improve querying within specific Europeana Collections: we worked on the import of organization data in the Entity Collection data, which is now available for enhancing the descriptions that point to these organizations (especially, data providers).

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[24] Net Promoter. View at https://en.wikipedia.org/wiki/Net_Promoter
[25] An Ecstasy of Beauty. View at https://www.europeana.eu/portal/en/exhibitions/an-ecstasy-of-beauty
[26] Vision of War. View at https://www.europeana.eu/portal/en/exhibitions/visions-of-war
[27] 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

(E) Evaluation of knowledge graphs in Europeana: we continued to evaluate the Entity Collection in Europeana. We built a multilingual dataset to evaluate the autocomplete component (i.e., the autocomplete API) which includes autocomplete queries and their relevant entities in 24 EU languages. We calculated the performance of this component (MRR and Precision). We have also created a small dataset containing 10 Europeana CHIs randomly selected from 5 different collections (Art, Fashion, Music, Photography and World War). These documents were annotated with their relevant Agent, Concept and Place entities and used as a gold standard for evaluating the accuracy and recall of the current entities (linked in the CHIs). The results are reported in the document 'Evaluation of the Europeana Entity Collection knowledge graph'.[28]

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) In this reporting period, EF and INESC-ID progressed on the modeling for newspapers, finalizing the first draft of the EDM full-text profile. Presently community feedback for the profile is gathered. A research article, mainly focused on the EDM full-text profile was written and submitted to the Theory and Practice on Digital Libraries Conference (TPDL 2018), and is presently under peer review. In this reporting period, EF and NISV have also re-started the organization of a task force on governance of EDM-related efforts. We hope to re-launch the task force in the next reporting period. (Tender, task 1.6. Maintain, improve and extend the Europeana Data Model based on community input and product development needs)

Europeana Infrastructure

EF expanded the monitoring capabilities to include not only the servers but also the Solrs and MongoDBs. This expansion is part of the preparation to comply with future demands of specific metrics regarding load and response time. Backups were centralized and added to DevOps facilities to provide monitoring and cause analysis upon failure. The same was done for both scripts related to infrastructure and other kind of scripts that are located centrally to avoid any confusion when the scripts run the last time and if the execution was successful.

EF also implemented an automated/repeatable build and deploy procedure for CRF as well as enabled an isolated environment to perform test and deployment.

The consolidation of hosting providers is ongoing. Since the migration to IBM Cloud, we still had some redirect applications which were running for the last period of time on our last major hosting provider. This is now finalized and the old account is closed. Engine Yard is

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[28] Evaluation of the Europeana Entity Collection knowledge graph. View at
https://docs.google.com/document/d/1-swW_Y6KRcGx_XbvMVxfet4eKBzKgPmTzW9w3PVaK1Y/

another provider which is in the process of being consolidated, only one application is running on Engine Yard which will be moved as soon one of the scrum team has the capacity of doing so. Amazon S3 is also in the process of being consolidated. (Tender, task 1.8. Maintenance of Scrum teams to deliver the product roadmap)

Europeana Cloud Infrastructure and IIIF Image service
Within the Europeana Cloud Infrastructure, PSNC improved the acceptance environment. As part of the activity Java JVM was upgraded on all machines in this environment. To add processing capabilities in the acceptance environment, Storm Cluster has been scaled out to six machines. Configuration improvement regarding the static code analysis tool was also part of the activity during this period. Further attention was paid to code quality and to resolve issues reported by the code analysis tool (Sonar). In addition, work focused on delivering HTTP harvesting topology, which is now finalized. Time was also spent on optimizing the cancellation task within Data Processing Service (DPS). Further focus was on preparations for the production environment. An architectural proposal for the production environment was produced and is currently under evaluation. No changes to the IIIF image service in this period.

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 (i.e. development of the aggregation model) to get higher quality content uploaded. EF and aggregating partners also worked on improving content and metadata quality (i.e. by implementing the Europeana Content Strategy[29] and Europeana Publishing Framework[30]).

Enhancing the data and aggregation infrastructure

Aggregation and data acquisition technologies

EF and PSNC maintain and improve 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 the end of May 2018. For now, the MVP implements Europeana requirements and therefore targets primarily a Europeana Data Officer user. (Tender, task 1.7. Improve the aggregation tools, task 1.8. Maintenance of Scrum teams to deliver the product roadmap)

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

The work on Metis progresses as expected and the MVP is still scheduled to be released in production by the end of May. Together with PSNC, the production infrastructure is being setup. The new data storage are already in place. The team has defined a migration plan to transition from the current Unified Ingestion Manager (UIM) system to Metis and is now refining the tasks required for the migration. The migration from a system to another also involves the migration of the Europeana databases into Europeana Cloud. The new data storage are already in place at PSNC.

The back-end developments done in Metis are progressively implemented in the front-end. This integration tasks allows the testing of the technical aspects of the components as well as allowing users to test them against the functional requirements.

The different processing tasks required as part of the Europeana data aggregation workflow continue to be developed: Cleaning and normalisation of the data, enrichment, media service, link checking, http based import and publication. Each of these developments involve code quality improvement and unit tests. As of April 2018, the media service, link checking, cleaning and normalisation and publication, are being finalised and will be ready to be integrated in the Metis user interface.

While so far every process step was implemented individually to be tested, all these steps are now being re-implemented as part of a workflow framework. This framework enables the definition and execution of a full workflow consisting in different steps rather than triggering every step one after the other. The framework has been implemented in the Metis user interface and every step is now integrated to the new design. The Metis user interface provides now access to statistics for a given dataset prior to the mapping, data samples after each workflow step.

In addition the team has started the preparation for the production environment. Together with PSNC, the back-end services (Solr and MongoDB) are installed and configured in PSNC. It still remains to test them. An architectural diagram is under construction for this production environment. Other components needed for production environment are also being added to IBM Cloud which is used to host Metis.

Research and Development of innovative aggregation and data acquisition technologies

EF and INESC-ID 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[31] or Schema.org[32] markup and content publication channels IIIF or APIs). (Tender, task 1.4 Research and Development of innovative aggregation and data acquisition technologies)

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

INESC-ID and EF have continued to provide feedback on the ongoing specification for the ActivityStream-based solution developed in the context of the IIIF Discovery group. The case study with Netwerk Digitaal Erfgoed (NDE) and the Koninklijke Bibliotheek (KB), on LOD and Schema.org harvesting, has progressed considerably. A detailed plan was agreed between all three organizations, and the first tasks are in progress. INESC-ID has conducted a state-of-the-art analysis on vocabularies for description of LOD datasets, and is currently working on specifications to support the provision of LOD datasets to Europeana. The KB has also made available a first sample of the Schema.org data, which is currently under analysis by INESC-ID.

INESC-ID is participating in the Program Committee of the 2018 IIIF Conference. INESC-ID and EF also submitted several papers for publication:
- Article for the European Semantic Web Conference (ESWC 2018) was accepted and will be presented in June.
- Journal article for the International Journal on Digital Libraries (IJDL) is under peer review.
- Article for the International Conference on Electronic Publishing (ELPUB 2018) has been written and is under peer review.

Aggregation model

EF and 2Culture, ACE, AIT-Graz, APEF, AthenaRC, BL, DIF, eFashion, MCA, NISV, NTUA, Photocons, and PSNC continued improving the aggregation model (Tender, task 2.2 Improve the aggregation model). The white paper 'A new landscape for Aggregation' was finalised and shared with aggregators for a final discussion at the last Aggregator Forum meeting (22-23 March). Executive summary, conclusions and next steps are final now. A final round of edit of two chapters is still pending before the paper can be published on Europeana Pro. APEF, eFashion, MCA, DNB, PSNC (as members of the task force) worked actively on the white paper and all other participants in this task reviewed the paper and gave feedback during the Aggregator Forum meeting.

In this reporting period, we also invested in the implementation of the recommendations of the white paper. The preparation of an advocacy campaign is underway with all participants of that task contributing to. An aggregator fact sheet was prepared with input from all DSI aggregating partners to support this campaign. Another implementation action was the work on an accreditation scheme for aggregators. EF, AIT-Graz and Photocons are working on this since autumn 2017 and hosted working sessions at the last Aggregator Forum meeting in Berlin. A one day workshop is currently prepared for 7 May 2018 with these partners and other aggregators to develop the accreditation scheme further.

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, Photocons have 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. MCA disseminated Europeana Pro news toward MCA members and network. 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

While the task force to develop a standardised training programme concluded its work in the previous reporting period, the work on the playbook was going on in this reporting period. EF, NISV, eFashion, BL, MCA, Photocons, AIT-Graz as members of the task force reviewed the playbook and committed to disseminate it to their communities. NISV as co-chair of the task force presented the playbook to the Aggregator Forum at its latest meeting in Berlin. MCA and AIT-Graz updated their training material on their websites. APEF ran a workshop on how to ingest/process content in APE and how to forward content to Europeana from there during the ICARUS/EURBICA conference in Split-Croatia on 15 March 2018. Photocons is in preparation of the next annual meeting (12 June 2018) which will include elements of metadata training and Europeana dissemination - according to the recommendations of the Standardized Training Task Force. 2Culture is in preparation for the 'Archaeology and Architecture in Europeana' workshop to be held in Lund, Sweden, 20 June 2018.

EF continued the preparation of national workshops to be held in 2018. One workshop was concluded in this reporting period. On 25 April two members of EF staff led a successful national workshop in Vilnius at the National Library of Lithuania to around 20 people drawn from mostly libraries and museums. A representative of the University of Vilnius presented a local case study and we were happy to be joined by a member of the Europeana Network Association and partner, from the National and University Library in Zagreb. Topics addressed included an overview of Europeana, and (in more detail) the Europeana Publishing Framework, data quality and how to use the Licensing Framework. Local challenges to aggregation (e.g. technical challenges) were discussed in a pre-meeting between EF and members of the National Library of Lithuania.

The participants of the meeting showed strong commitment to work more on high quality data for Europeana. They have identified some technical hurdles which they need to overcome in order to open up their data even more, to reach tier 3+ of the Europeana Publishing Framework. They are using Europeana as an example to follow when it comes to the standardised rights statements. The interest in the Europeana thematic collections was also high and new data partners were identified that would like to contribute to Europeana Migration and Europeana 1914-1918. Also practical support was offered to existing data partners to improve their data and make them more visible in thematic collections.

More workshops are scheduled in Bulgaria (30 May) and Hungary (1 June). (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 DSI-2, we now have 2,136,191 less records in Europeana Collections (August 2017 - 53,629,175; 16 April 2018 - 51,492,984). This reduction is due to significant clean-up work in the database, e.g. to remove collections with broken links. EF also published updates and new data from national aggregators in Austria, France, Germany, Greece, Hungary, Spain, Sweden. EF also published datasets recently updated by the Europeana DSI-3 partners CARARE, EFG, EUscreen, Europeana Fashion, Europeana Sounds, OpenUp!, MCA on Europeana Collections.

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. 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 that will allow us to extract reliable figures about content complying to the tiers of the Europeana Publishing Framework.

DIF made significant effort to improve the quality and richness of its data. For the datasets delivered in the reporting period, the presence of language attributes were greatly increased almost reaching 100% in: dc:title, dc:description, dc:type, dc:terms alternative

and dc:subject. There was an overall increase of 6% in the presence of skos:concept class. This figure nearly matches the year end objective of 20% for the whole EFG dataset. The general expectation is that further updates will meet and probably go beyond the year target. It is worth mentioning that the provided CHO vocabulary proposed by EF was used to standardise terms and describe objects in dc:type, especially for AV material.

2Culture and AthenaRC started to include high level Getty AAT concepts to tag their records. When applied to all its dataset it will be highly beneficial in terms of multilingual description and findability for the CARARE content.

eFashion worked to increase language description, contextual and chronological information. Now 100% of the records have language attributes in the relevant properties, dc:type and dc:date are present in the whole dataset. The data is ready to be published in Europeana.

BL updated one large dataset. Language description and agent information have been significantly improved. The presence of the edm:agent class in this set has jumped from 11% to 31% of the records.

NISV, Photocons, APEF and MCA keep working on the delivery of the agreed data improvements. The work is focused on the increase of the presence of contextual classes in the data, the improvement of language description and the improvement of content to tier 1 or higher.

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](#).

Europeana Publishing Framework[33] and Publishing Guide[34]

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, EF 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, and BL.

Europeana's content strategy[35]

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

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

and upcoming thematic collections. (Tender, task 2.4 Implement Europeana's content strategy)

eFashion is working with Muzealne Mody from Poland as a new partner and ingested their data (Europeana Fashion). It is also approaching existing data partners to work on an update of the licenses of their published content. NISV is in discussion with several parties to join EUscreen and following up with members of the EUscreen network to update EUscreen content suitable for Europeana Migration. 2Culture is working on version 3 of the CARARE metadata scheme to increase support for LOD. BL is currently in discussion with other aggregators on how best to aggregate sound and sound-related collections onto Europeana (Europeana Music). A detailed overview of activities performed by aggregating partners so far can be found in <u>Annex III: Implementation of content strategy</u>.

C. Improve content distribution mechanisms

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

Improving access to data and tools that enable content reuse

Europeana REST API Usage Statistics

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

Period	Number of API keys that…	
	exceeded the average of 5 calls a day	**were active for more than 5 days in each month**
September 2017	75	83
October 2017	76	74
November 2017	Not available (due to technical problems resulting from the migration to the new hosting provider)	
December 2017		
January 2018	71	68

February 2018	87	81
March 2018	65	66

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[36] in two languages (French, English) reaching about 52,000 subscribers (e.g. March 2018 newsletter[37]);
- 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. Pictures in Focus: Migrants, then and now, April 2018[38]), or other themes (e.g. Share your migration story with Europeana Migration, March 2018[39]). All blogs can be viewed on Europeana[40].
- Regular galleries published to highlight and promote content from Europeana Collections and thematic collections (e.g. The kiss[41], Women in World War I[42], and Gal pals[43]). All galleries can be viewed on Europeana Collections[44].

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[36] Europeana newsletters. View at
http://us3.campaign-archive.com/home/?u=ad318b7566f97eccc895e014e&id=1d4f51a117
[37] March 2018 newsletter. View at
https://us3.campaign-archive.com/?u=ad318b7566f97eccc895e014e&id=ed0e642e0e
[38] #ColorOurCollections and Europeana EYCH Colouring Book. View at
http://blog.europeana.eu/2018/02/colorourcollections-and-europeana-eych-colouring-book/
[39] Share your migration story with Europeana Migration, March 2018. View at
http://blog.europeana.eu/2018/03/share-your-migration-story-with-europeana-migration/
[40] Europeana blogs. View at http://blog.europeana.eu/
[41] Gallery on The kiss. View at https://www.europeana.eu/portal/en/explore/galleries/the-kiss
[42] Gallery on Women in World War I. View at
https://www.europeana.eu/portal/en/explore/galleries/women-in-world-war-i
[43] Gallery on Gal pals. View at: https://www.europeana.eu/portal/en/explore/galleries/gal-pals
[44] Europeana galleries. View at https://www.europeana.eu/portal/en/explore/galleries

Together with cultural institutions from across the world, Europeana invited users to help celebrate Women's History Month (March, 2018) by: daily posting on social media about notable women in history, illustrated with quotes and images from Europeana; promoting the #GalleryOfTheWeek (e.g. Art by female artists[45] and cover image voting related to the theme; and by promoting relevant recent and older blogs (e.g. #5WomenArtists: celebrating female artists from across Europe[46]).

Over the Easter period, Europeana created and invited users to participate in an Easter Egg Hunt via a painting on social media[47]. EF also supported and promoted the MuseumWeek, on April 23-29. Throughout the week Europeana shared content related to the daily themes of the event on Twitter, explicitly referencing it with the relevant hashtags (e.g. Mon 23: #womenMW, Tue 24: #cityMW).

Latest posts can be seen on Europeana's Facebook[48], Twitter[49], and Pinterest[50] 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
Facebook	101,6K fans	104,3K fans	104,8K fans	106K fans	106,2K fans
Twitter	29,1K followers	29,9K followers	30,6K followers	31,4K followers	31,9K followers
Pinterest	11,1K followers	11,4K followers	11,5K followers	11,7K followers	11,9K 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

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[45] Gallery on Art by female artists. View at
https://www.europeana.eu/portal/en/explore/galleries/art-by-female-artists
[46] Blog on 5 Women Artists: celebrating female artists from across Europe. View at
http://blog.europeana.eu/2017/03/5womenartists-celebrating-female-artists-from-across-europe/
[47] Facebook post: Happy Easter. View at
https://www.facebook.com/Europeana/photos/a.209570118667.132127.10261403667/10155610182
393668/?type=3&theater
[48] Europeana on Facebook.View at https://www.facebook.com/Europeana/
[49] Europeana on Twitter. View at https://twitter.com/Europeanaeu
[50] Europeana on Pinterest. View at https://nl.pinterest.com/europeana/pins/

and shared this with the members of the Forum on the dedicated Basecamp space. (Tender, task 3.2.3 Europeana thematic collections forum)

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

Europeana Art[51] (EF)
- New galleries (e.g. on Helene Schjerfbeck, Albert Edelfelt[52], and Masterpieces from the Finnish National Gallery) on Europeana Collections.[53]
- New blog post on open culture (e.g. Museums in the Digital Age: insights from the Slovak National Gallery, March 2018[54]).
- Publishing of new hero image for the Europeana Art homepage every month.

A major highlight for Europeana Art is the Slovak National Gallery which published 9,500+ high-resolution and public domain artworks, following weeks of careful data preparation with the Gallery.

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[55] (EF and F&F)
- New Blog post (e.g. Love across borders: the Belgian brothers who loved the same girl, March 2018[56]).
- Monthly, new hero image.
- For the International Women's Day (8 March) we highlighted content from Europeana 1914-1918 in a gallery[57].
- A major new exhibition, Visions of War[58], was published in late February, combining content from and aiming at audiences for two different thematic collections, Europeana Art and Europeana 1914-1918. It draws on archive material from the

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[51] Europeana Art. View at https://www.europeana.eu/portal/en/collections/art
[52] Gallery on Albert Edelfelt. View at https://www.europeana.eu/portal/en/explore/galleries/albert-edelfelt
[53] Europeana Art galleries. View at https://www.europeana.eu/portal/en/explore/galleries?theme=art
[54] Blog on Museums in the Digital Age: insights from the Slovak National Gallery, March 2018. View at https://pro.europeana.eu/post/museums-in-the-digital-age-insights-from-the-slovak-national-gallery
[55] Europeana 1914-1918. View at http://www.europeana.eu/portal/en/collections/world-war-I
[56] Blog on Love across borders: the Belgian brothers who loved the same girl, March 2018. View at http://blog.europeana.eu/2018/03/love-across-borders-the-belgian-brothers-who-loved-the-same-girl/
[57] Gallery on Women in World War I. View at https://www.europeana.eu/portal/en/explore/galleries/women-in-world-war-i
[58] Exhibition 'Vision of War'. View at https://www.europeana.eu/portal/en/exhibitions/visions-of-war

Europeana 1914-1918 collection and artworks held in museum collections, Visions of War examines how serving soldiers and official war artists depicted conflict on the Western Front during World War One in paintings, drawings, watercolours and sculpture. Since publication, the exhibition was been visited over 10,000 times and received very favourable reviews, with a Net Promoter Score of 58.

In March the Europeana 1914-1918 Centenary Tour kicked off, a campaign to commemorate the centenary of the end of the First World War. The campaign will encourage public participation with and foster a connection to cultural heritage content through a centenary tour with on and offline events and activities. It will build on and highlight the work of Europeana 1914-1918 since its start in 2011 through a series of blogs, galleries and social media. This campaign is also closely linked to the European Year of Cultural Heritage. The first month (March) was dedicated to Denmark, April to Luxembourg.

EF promoted activities on the Europeana 1914-1918 thematic collections page and on dedicated social media channels (Europeana 1914-1918 on Facebook[59], Europeana 1914-1918 on Twitter[60]). Below is a short overview, stating social media followers on Facebook and Twitter.

Social media channel	October 2017	December 2017	February 2018	April 2018
Europeana 1914-1918 on Facebook	c. 24,5K fans	c. 24,5K fans	c. 24,5K fans	c. 24,6K fans
Europeana 1914-1918 on Twitter	c. 6,7K followers	c. 6,7K followers	c. 6,8K followers	c. 6,9K 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. Preparations started on the upcoming Greek Transcribathon (8-18 May 2018) in close cooperation with Europeana and the National Historical Museum in Athens. 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[61] via social media (Twitter, Facebook).

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[59] Europeana 1914-1918 on Facebook. View at https://www.facebook.com/Europeana19141918
[60] Europeana 1914-1918 on Twitter. View at https://twitter.com/Europeana1914
[61] Transcribathon. View at http://transcribathon.eu/

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

Europeana Fashion[62] (eFashion)
- Daily, new posts on Facebook[63]
- Daily, new posts published on Instagram[64]
- Daily, one to two new posts on Twitter [65]
- Weekly, two new blog posts[66] published, themed on the biographies of designers and illustrators or on current exhibition (e.g. Stephen Jones, the Milliner, April 2018[67])
- Weekly, new column 'runway archive' published, themed on runway pictures linked to the designers presented with some background info (e.g. Runway Archive: Bamo's fashion show, 1988, March 2018[68])
- Regularly, publishing of new galleries related to Fashion on Europeana Collections[69] (e.g. 'Eccentric Fashion'[70])
- Two newsletters[71] published per month (e.g. Newsletter April 2018[72])
- Monthly, thematic exhibitions on Europeana Fashion on Tumblr[73]. March was dedicated to the attires worn at home, showcasing some of the most interesting pieces used in private spaces. April was dedicated to the newly ingested Polish collection Muzealne Mody.

eFashion started restructuring the media plan by giving a theme to each day of the week, insofar to be able to span in the wide Europeana Collection. The plan will start in April and ideally be organized as follow: Jewellery Monday; Designer Tuesday; Paper Wednesday; Costume Thursday; Runway Friday; Surprise Saturday; Fact Sunday. This will lead to

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[62] Europeana Fashion. View at https://www.europeana.eu/portal/en/collections/fashion
[63] Europeana Fashion on Facebook. View at https://www.facebook.com/EuropeanaFashion
[64] Europeana Fashion on Instagram. View at https://www.instagram.com/europeanafashionofficial/
[65] Europeana Fashion on Twitter. View at https://twitter.com/eurfashion
[66] Europeana Fashion blog posts. View at https://www.europeana.eu/portal/en/blogs?theme=fashion
[67] Blog on Stephen Jones, the Milliner, April 2018. View at https://www.europeana.eu/portal/en/blogs/stephen-jones-the-milliner
[68] Runway Archive: Yves Saint Laurent Haute Couture Retrospective, 2002. View at https://www.europeana.eu/portal/en/blogs/runway-archive-bamo-s-fashion-show-1988
[69] Galleries related to Fashion View at https://www.europeana.eu/portal/en/explore/galleries?theme=fashion
[70] Gallery on Eccentric Fashion https://www.europeana.eu/portal/en/explore/galleries/eccentric-fashion
[71] Europeana Fashion newsletters. View at http://us5.campaign-archive.com/home/?u=08acbb4918e78ab1b8b1cb158&id=eeaec60e70
[72] Europeana Fashion Newsletter (April 2018). View at https://us5.campaign-archive.com/?u=08acbb4918e78ab1b8b1cb158&id=e674015816
[73] Europeana Fashion on Tumblr. View at http://europeanafashion.tumblr.com/

produce recurrent hashtags, in order to make it easier to retweet or connect. This way, all of our media will be aligned and with the same content. eFashion also prepared the content for the new Europeana Exhibition planned for May - working title 'Couture and couturiers'.

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

Europeana Photography[74] (Photocons)
- The third exhibition 'Tricks of the Trade' was reviewed and reworked; high quality images have been requested with the relevant providers. In the next period the exhibition will be finalized and published, after which preparations for the 4th and final installment in the series 'The Pleasure of Plenty' can commence.
- New blog posts (e.g. Pictures in Focus: Migrants, then and now, April 2018[75])
- New gallery related to Photography on Europeana Collections[76] (e.g. Gal Pals[77]).
- New posts on Photoconsortium's Facebook[78] account.
- New posts on Photoconsortium's Twitter[79] account.

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[74] Europeana Photography. View at https://www.europeana.eu/portal/en/collections/photography
[75] Blog on Pictures in Focus: Migrants, then and now', April 2018. View at
http://blog.europeana.eu/2018/04/pictures-in-focus-migrants-then-and-now/
[76] Galleries related to Photography. View at
https://www.europeana.eu/portal/en/explore/galleries?theme=photography
[77] Gallery on Gal Pals. View at https://www.europeana.eu/portal/en/explore/galleries/gal-pals
[78] Photoconsortium on Facebook. https://www.facebook.com/PhotoConsortium/
[79] Photoconsortium on Twitter. View at https://twitter.com/PhotoConsortium?lang=en

Photocons, in collaboration with Europeana, re-devised and further refined the editorial calendar. Galleries were reviewed and where necessary reassembled to include a wider variety of providers, titles and text more eligible for SEO and CC0/Public Domain material where possible.

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 (932 followers), Photoconsortium on Twitter (319 followers)). Photocons also published several blog posts on Photoconsortium.net and social media about items related to the Photographic collection (e.g. heritage photographs by Lithuanian Art Museum of heritage photography linked to Europeana Photography collection[80]).

Europeana Music[81] (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 team working on this has now been confirmed and the exhibition will be launched in June 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[82] (e.g. Trawlers, harbours and fishing communities[83]).
- New blog posts (e.g. Percy Grainger: Sea Shanties, Folksongs and Letters to Grieg, April 2018[84]). Guest blogs are commissioned from well-known curators on music related subjects highlighting relevant material from Europeana Music. All blogs on Europeana Music on Europeana Collections[85].
- Regular posts on Europeana Music Twitter[86] account, e.g. highlighting content from Europeana Music using hashtags such as #Folklore, #FlugelhornFriday, etc.

BL is liaising with music library/sound archive communities, inviting guests to support curation of Europeana Music through galleries, exhibitions and editorials and following up expressions of interest to curate and/or contribute to Europeana Music. Guest contributions are commissioned on a monthly basis.

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[80] Blog on Photoconsortium.net. View at
http://www.photoconsortium.net/vintage-lithuanian-opera-costumes-a-gallery-of-heritage-photographs-by-kaunas-city-museum/
[81] Europeana Music. View at https://www.europeana.eu/portal/en/collections/music
[82] Galleries on Music on Europeana Collections. View at
https://www.europeana.eu/portal/en/explore/galleries?theme=music
[83] Gallery on Trawlers, harbours and fishing communities. View at
https://www.europeana.eu/portal/en/explore/galleries/jazz-greats
[84] Blog post on Percy Grainger: Sea Shanties, Folksongs and Letters to Grieg, April 2018. View at
http://blog.europeana.eu/2018/04/percy-grainger-shanties-folksongs-and-letters-to-grieg/
[85] Blogs on Europeana Music. View at http://blog.europeana.eu/category/europeana-music/
[86] Europeana Music on Twitter. View at https://twitter.com/europeanamusic

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

Europeana Migration[87] (EF and Generic Services project partners)
This period was dedicated to work for the launch of the Migration Campaign. Detailed information towards Europeana Migration can be found under objective H. 'Make necessary dispositions to host the results of the Europeana Generic Services Projects' and the Migration in the Arts and Sciences project.

Upcoming thematic collections

Europeana Newspapers and Europeana Manuscripts 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 (SPK)
Europeana Newspapers will be launched as a thematic collection in 2018. SPK supported end users who had questions about the use of Europeana Newspapers. SPK also prepared editorial content (blogs, galleries, exhibitions, hero images) for the upcoming relaunch of Europeana Newspapers in July 2018.

Additional, SPK undertook following outreach activities:
- (Remote) participation in the DH Nord pre-conference workshop "Hacking the News [88]".
- Compilation of a data report[89] on German newspapers in Europeana Newspapers for the Oceanic Exchanges project.

SPK engaged in community building and updated dedicated social media accounts regularly (Europeana Newspapers on Twitter[90], Europeana Newspapers on Facebook[91]).

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[87] Europeana Migration. View at https://www.europeana.eu/portal/en/collections/migration
[88] Hacking the News workshop. View at
https://www.helsinki.fi/en/helsinki-centre-for-digital-humanities/dhn-2018/programme#section-48089
[89] German Newspapers in Europeana and the Bavarian State Library (digiPress). View at
http://oceanicexchanges.org/2018-03-10-data-reports-german/
[90] Europeana Newspaper on Twitter. View at https://twitter.com/eurnews?lang=en
[91] Europeana Newspaper on Facebook. View at https://www.facebook.com/EuropeanaNewspapers/

Social media channel	October 2017	December 2017	February 2018	April 2018
Europeana Newspaper on Twitter	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

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)

Campaign on Migration and cultural heritage
EF is undertaking a campaign on Migration and cultural heritage under the European Year of Cultural Heritage (EYCH)[92] 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 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). (Tender, 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)

In the reporting period, EF organised a campaign kick-off event, the first Europeana Migration Collection Day, held in partnership with the House of European History from March 15-17. Promotion and communication of this event had started in advance of the event. The communication approach was two-fold: to encourage Brussels based community to attend the event and to use the event to promote the wider campaign to cultural heritage institutions, key stakeholders, and potential participants (e.g. event promotion and positioning with blogs[93]; creation of Facebook event, which garnered 964

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[92] 2018 European Year of Cultural Heritage. View at
https://ec.europa.eu/culture/news/20160830-commission-proposal-cultural-heritage-2018_en
[93] Blogs to promote and celebrate the Migration Collection Days launch in Brussels. View at
https://pro.europeana.eu/post/our-migration-collection-days-launch;
https://pro.europeana.eu/post/europeana-migration-collection-days-launched ;
http://blog.europeana.eu/2018/03/share-your-migration-story-with-europeana-migration/

people interested; creation of video to promote campaign[94] and to be used in Social Media promotion, website promotion and by partners; ongoing social media activity including live tweeting from the event; press release issued[95]). Highlights of pre and post press coverage can be found on Europeana In The News[96].

After the event EF follow up communications by targeted mails informing participants of their content being online[97], and thanking them for participating, sharing links to their material in news coverage, and encouraging them to promote. We also sent targeted mails thanking migration communities in Brussels for promoting the event and attending, with link to live content, encouraging them to promote. Furthermore, the online collection promotional plan for online participation in the Migration project is finalised[98].

EF continues to consistently frame activities and events in the context of the EYCH. The Brussels kick-off event was promoted on the official EYCH events page[99] and on the EYCH news page[100].

Campaign on Europeana 1914-1918
EF and F&F finalised the Europeana 1914-1918 Centenary Tour promotion plan and overview of online activities (in relation to European Year of Cultural Heritage). Please see 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

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[94] Europeana Migration. View at https://www.youtube.com/watch?v=I2E0GJycWOc&feature=youtu.be
[95] Blog on Europeana celebrates European heritage by collecting family migration stories all over Europe. View at
https://pro.europeana.eu/post/europeana-celebrates-european-heritage-by-collecting-family-migration-stories-all-over-europe
[96] Europeana in the news. View at
https://pro.europeana.eu/resources/document-archive/europeana-in-the-news
[97] Migration day content on Europeana. View at
https://www.europeana.eu/portal/en/search?q=europeana_collectionName%3A%282084002_Ag_EU_Migration_ugc%29&view=grid
[98] Migration Collection Marketing and Comms plan. View at
https://docs.google.com/spreadsheets/d/1IjPWiJLwdgW7I1Ac4KecAhuNnYXRCctB1OlBwkq_q78/edit#gid=2095284760
[99] Europeana Migration. View at https://europa.eu/cultural-heritage/europeana-migration_en
[100] Europeana migration project starts in Brussels. View at
https://europa.eu/cultural-heritage/news/europeana-migration-project-starts-brussels_en

Europeana DSI-3 there is emphasis on the use of Europeana content in education. The strong partnerships with systems used by teachers both at the European and country levels as well as with educational publishers are key. On the other hand, we further improve the distribution of our content towards end users (European Citizens market) by maintaining our successful relationships with social media (e.g. Giphy) as well as with major platforms like Wikimedia.

End-users (European Citizens)

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

During March and April, EF built on collaboration with existing partners and explored new ones. For the first time, Europeana collaborated with Reddit, the social news aggregation, discussion and web content rating website, on an 'Ask Me Anything session' about Europeana[101]. The session was promoted by Europeana and Reddit (subpreddit Europe) in advance and during the live session Europeana received and answered more than 70 questions from users internationally. Latest statistics show that Reddit now has as many active users as Twitter, is the sixth most visited website in the world, and visitors spend more time there than on any other social media platform.

EF also collaborated with Daily Art to featured artworks from the Finnish National gallery in the DailyArtApp on Sundays throughout April. Further, we worked with the Mash it Up Film Festival, participating in the judging of submissions in the Archive category and the awards ceremony. All entries in this category made use of Europeana content. The winning entry can be found at Vimeo[102].

Wiki community

In the context of Europeana Migration campaign, the translation of 61 terms in the 'migration vocabulary' via a volunteer crowdsource campaign on Wikidata[103] proved to be efficient, effective, and also popular. Less than a month after launch, 28 languages have been translated to +90% completeness including 19 of the 24 official EU languages. Within only the first four days, 100% of the terms had been translated in eight of the 24 official EU languages. By volunteers' request, 15 other languages were included (e.g. Welsh, Catalan, Norwegian, Ukrainian, Serbian, Macedonian) of which eight have been translated to +90% completeness. Alongside the translation of terms, also translated were short definition

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[101] Ask Me Anything session about Europeana. View at http://bit.ly/2HtbJ7V
[102] Digital Girl Dream Opera. View at https://vimeo.com/265407071
[103] Europeana Migration vocabulary. View at
https://www.wikidata.org/wiki/Wikidata:Europeana_migration_vocabulary

descriptions, and also the name of the group to which the term belonged in the ontology - ensuring greater findability and integration into the database.

Invitations to present Europeana's work in collaboration with Wikimedia projects over the next period were made by the Wikimedia Chapters in Romania (re. 15th Anniversary of Ro.WP), Armenia (re. 2600th Anniversary of Yerevan), and Belgium (re. copyright law advocacy workshops[104] and RS.org). UK (Wales), Ireland, Portugal, Italy, and Poland each have potential Europeana Migration events over the next period at which a Wikimedia presence can be included.

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[105] with information and quick access to ready-to-use resources. During the reporting period, we published new blog posts[106] on educational topics (e.g. Mapping Migration in the arts: The Real Face of White Australia, March 2018[107]), which were respectively promoted on the Europeana Twitter account. Europeana Education LinkedIn group kept growing and registered 39 new members (total 226 members, or 20.8% increase in comparison to the previous reporting period).

We also increased the awareness of educators of Europeana educational value though the three webinars for various teacher communities (e.g. Open Education Week). Furthermore, on 21 March Europeana was announced as a winner of the Open Education Award[108] for Excellence in the category of Open Culture. The award ceremony will be held on 25 April during the Open Education Global Conference[109]. In addition, we will present the Europeana Education initiative in a separate conference slot on 26 April. The award recognition was widely publicised in a Europeana press release and on social media.

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[104] EU policy/Big Fat Brussels Meeting V. View at
https://meta.wikimedia.org/wiki/EU_policy/Big_Fat_Brussels_Meeting_V
[105] Europeana Education community. View at
https://pro.europeana.eu/network-association/special-interest-groups/europeana-education
[106] Europeana blog posts related to Education. View at
https://pro.europeana.eu/pages/blog/blog/markets/education
[107] Blog on Mapping Migration in the arts: The Real Face of White Australia, March 2018. View at
https://pro.europeana.eu/post/mapping-migration-in-the-arts-the-real-face-of-white-australia
[108] Blog on 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
[109] Open Education Global Conference, April 2018. View at https://conference.oeconsortium.org/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) The interview with Milena Popova, Business Development Manager at Europeana, presenting Europeana and its educational offers to eTwinning members was filmed on 28 March and is expected to be online by end April. The video will be promoted on eTwinning and Europeana channels and at relevant events. Furthermore, Europeana supported with content the eTwinning Spring campaign, which runs between 15 March and 9 May. For 8 weeks, eTwinning teachers and their students will participate in an online quest to unlock cultural heritage. Europeana records are used for the virtual treasure hunt and the prize will also include Europeana tools for educators. Also, Milena Popova was invited to give a keynote speech and a workshop during the eTwinning professional development event[110] on 19-21 April in Thessaloniki, Greece.

Work with Ministries of Education

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).[111] (Tender, task 3.2.9 Pilot with Ministry of Education in France)

Upon invitation of the Ministry of Education in France, a Europeana representative attended the Professional Learning Activity (PLA) workshop "Digital resources for schools: supporting key competence development and pedagogical practice" on 15 March during the second edition of the EDUSPOT[112] education fair, organised by the Association of Digital Education and Training Industries (AFINEF). The participants ranged from participants in various French digital resources projects (industry, editors, national and local) to education policy makers (representatives of ministries of education in Europe, European Commission). We presented Europeana and our work in education in the context of the pilot project with Edutheque to the attendees and established new useful contacts.

The Ministry of Education in France ran a Europeana user survey on their national portal Edutheque from 12 January until 2 March. The survey aimed to find out more about the profile of the educators accessing Europeana resources on Éduthèque, their level of satisfaction with these resources as well as the most popular e.g. used among them. The survey was completed by 1581 respondents. More than 50% of those were from secondary education (colléges and lycées), with most teaching history-geography, language and documentation. Just 270 respondents knew Europeana before the survey and most of

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[110] eTwinning professional development event. View at http://www.etwinning.gr/pdw2018-programme
[111] Europeana space on Edutheque. View at http://www.edutheque.fr/utiliser/partenaire/europeana.html
[112] EDUSPOT. View at https://www.eduspotfrance.fr/

them taught the three disciplines mentioned above (90% of teachers in mathematics and technology disciplines didn't know us). 1012 respondents out of 1312 would recommend Europeana to their peers (note: not all respondents answered all questions). The most popular resource topics on Edutheque are First World War, Art and Music; in terms of content type - images and online exhibitions. The survey results are very helpful to better understand the needs of French educators and inform the future selection of Europeana content and resources for Edutheque as well as the general Europeana collections development.

In the beginning of April the Ministry of Education in Portugal announced a forthcoming Europeana webinar for a group of selected educators working for the ministry. This group consists of approximately 30 teachers: 9 Scientix Ambassadors, 9 FabLab Ambassadors and 10 teachers trainers working in the research centres of some universities in Portugal. The webinar will happen on 18 May. The objective of this webinar is to give educators a basic training on how to integrate Europeana Collections into their national curricula, and inspire them to spread the word among their peers.

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)

A new version of the Europeana space on Edu.fi[113], the national portal for education and the community teachers in Finland, was published at the beginning of March.

As part of our partnerships with Open Education Consortium[114], we participated for a second consequent year in the Open Education Week[115] initiative (5-9 March) with a webinar[116] on 7 March and resources in their platform (e.g. on Europeana education policy recommendations[117], WW1 e-book and the transcribathon).

The collaboration with School Education Gateway[118] was extended by a webinar[119] on Europeana offer for educators on 27 March. The webinar was attended by 155 teachers and received very positive feedback.

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[113] Europeana on Edu.fi. View at http://edu.fi/etusivu/verkkouutiset/101/0/europeana_opettajille_ja_kasvattajille
[114] Open Education Consortium. View at http://www.oeconsortium.org/
[115] Open Education week. View at https://www.openeducationweek.org/
[116] Webinar, Open Education week 2018. View at https://www.openeducationweek.org/events/europeana-how-to-inspire-learners-with-digital-culture
[117] Teaching about Migration. View at https://www.openeducationweek.org/resources/teaching-about-migration
[118] School Education Gateway. View at https://www.schooleducationgateway.eu/en/pub/index.htm
[119] Webinar, School Education Gateway. View at https://www.youtube.com/watch?v=m9uUWUB7eZg

In collaboration with DiCultHer[120] (The Digital Cultural Heritage, Arts and Humanities School), Europeana gave a webinar for Italian educators on 13 April. Again, the main goal was to show them how to use Europeana content and bring digital culture into their classroom. This webinar happened within the context of the SCUD 2018[121] (Week for the Digital Culture "Antonio Ruberti") in Italy. DiCultHer is an Italian network of over seventy public and private institutions, of which twenty-six universities, the main Research Centers and the Italian national agencies CNR[122] and ENEA[123].

The first steps for a new collaboration with All Digital[124] have been set up. All Digital (previously Telecentre Europe) is a leading pan-European association based in Brussels, representing member organisations across Europe that work with 25,000 digital competence centres. They were the third co-organiser (together with Europeana and DICultHer) of the webinar for the Italian educators during the SCUD 2018 on 13 April. We aim to further our collaboration next year with another webinar and promotion of our resources during the AllDigitalWeek[125] 2019, one week campaign that invites Europeans to take active steps towards understanding and benefiting from the digital transformation, by learning new media literacy and digital skills.

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) itslearning[126], one of Europe's 50 fastest growing technology companies with over 7 million people actively using their solutions for education, developed a plugin in their virtual learning environment to integrate Europeana content when creating a learning resource. With this new functionality, teachers can search for Europeana images and use them in their assignments and other activities in the itslearning platform. The beta version is ready for internal testing.

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

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[120] DiCultHer. View at https://www.diculther.it/
[121] SCUD 2018. View at
https://www.diculther.it/blog/2018/03/02/eventi-organizzati-per-la-iii-edizione-della-settimana-delle-culture-digitali/
[122] CNR. View at https://www.cnr.it/en
[123] ENEA. View at http://www.enea.it/it
[124] All digital. View at http://all-digital.org/
[125] AllDigitalWeek. View at http://alldigitalweek.eu/
[126] itslearning. View at https://www.itslearning.com/welcome.aspx

development materials for teachers in several languages. (Tender, task 3.2.11 Organise a developer group of teachers)

The developer group of teachers have finalized their work on the learning scenarios. EUN is currently preparing the scenarios to be uploaded on the FCL Directory[127] in order to make them publicly available to teachers everywhere. This activity will be finalized by the end of April 2018. In the meantime the Developer Group of teachers are working on the professional development materials for teachers in order to featured them in the MOOC. During 13-15 April, the teachers attended the last workshop of the project during which they worked together with the EUN project team on the MOOC.

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)

During this period, EF and EUN discussed and finalized the MOOC pedagogical outline, together with the promotional materials for the course. The MOOC will introduce participants to the Europeana platform, where they will find different resources for educators such as pictures, videos, texts and various tools that they can easily integrate in their lessons. Moreover, the MOOC will help teachers to build learning scenarios using digital cultural heritage, in a framework of 21st century skills. Additionally, it will offer a selection of tested classroom activities and resources from different European countries to empower primary and secondary teachers in introducing cultural heritage in the classroom and help them reflect on their own practices. Based on this outline, EUN, together with the Developer Group, have been building the five module Europeana MOOC[128], featuring also the materials developed by the teachers. The MOOC is set to open its first module on 30 April, with one new module opening every week after that. The course will run between 30 April – 13 June.

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) The Europeana Education User Group has been formed during this period. 60 teachers from 15 European countries have joined this community and are testing at least one learning scenario developed by the Developer Group of teachers. The teachers have already started to provide feedback on these resources via an online questionnaire. These teachers will also take part and give feedback on the MOOC, and the sustainability of the Europeana Education community of teachers.

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[127] FCL Directory. View at http://fcl.eun.org/directory
[128] Europeana MOOC. View at http://www.europeanschoolnetacademy.eu/login

Historiana eLearning Environment

EUROCLIO works on the development of the Historiana eLearning Environment[129] and on a teacher training package using Europeana content. (Tender, task 3.2.14 Work with Historiana) During the reporting period, EUROCLIO made progress with the integration of the different websites into the live version. As a result, it is now possible to access the Europeana Source Collections, Search the Europeana Collections and the Collections of selected Europeana Content Providers in one place.

This integrated website will be used for a Europeana DSI workshop during the EUROCLIO annual conference on 21-26 April in Marseille. In the meantime, EUROCLIO also worked further to make it possible to view and edit metadata, including the possibility to add branding to sources from Europeana. This will be done by adding a small logo in the index card.

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) EUROCLIO published[130] six new source collections with Europeana content on Historiana (e.g. Expressions of power and status by European royalty, European emigration to the United States in the late 19th century).

EUROCLIO created the first draft of the Teacher Training Package, that is designed to explain to teacher trainers how to use the Historiana eLearning Environment and the Europeana Collections for the training of history educators as part of the initial training or continued professional development. The core of this package is a series of challenges in which (trainee) teachers are asked to create their own eLearning Activities with one of the Europeana Source Collections, in combination with certain learning outcomes (such developing a sense of time, writing like a historian, etc.).

So far, one face-to-face workshop has already taken place in Tilburg, The Netherlands, at Fontys University of Applied Sciences on 4 April. During this workshop the trainee teachers were challenged to create an eLearning Activity with the collection "The Visual Front" that would help students to recognize bias in these photographs. The workshop provided valuable and positive feedback with regard to the kit and the source collections. The teacher training institute was keen to do another training next year.

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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[129] Historiana. View at https://www.beta.historiana.eu/#/
[130] Europeana content on Historiana. View at http://sas.historiana.eu/sas/

use of the Europeana content. (Tender, task 3.2.16 Develop a communication strategy for Europeana on Historiana) Face-to-face workshop for trainee teachers, as one part of the communications activities, took place in Tilburg, The Netherlands, at Fontys University of Applied Sciences on 4 April. The next face-to-face workshop will take place in Marseille on 24 April and the online seminars with eTwinning are planned for May and June.

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[131]. (Tender, task 3.2.20. Continue building up the Europeana Labs community, task 4.1.9. Communication to creative industries) During the reporting period, we published one new dataset on Impressionist paintings from Slovak National Gallery. Monthly, EF publishes a newsletter[132] (e.g. Europeana Labs News, April 2018[133]) for the Europeana Labs community (c. 3,000 subscribers). We also regularly publish new blog posts[134] on Europeana Pro on creative industries topics (an interview with the creators of Greetings from Zagreb[135] app, March 2018, and the announcements of Europeana #edTech Challenge winners[136], March 2018) and post updates on a dedicated Twitter[137] account (c. 1,105 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) The MashUp festival took place on various locations between 15 March and 19 April, with award ceremony on 13 April in Paris. A Europeana representative was a member of the jury panel to decide on the festival winner. The winner movie as well as all shortlisted ones will be promoted on the festival page and social media in the next weeks.

Europeana growth services

EF organises online competitions (Europeana Challenges) to identify and fund the best creative projects using Europeana content. (Tender, task 3.2.22. Europeana growth services) The Europeana #edTech challenge closed at the end of February with nearly 80 applications from across the world. We evaluated each of them against the competition

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[131] Europeana Labs. View at https://pro.europeana.eu/what-we-do/creative-industries
[132] Europeana Labs newsletters. View at
http://us3.campaign-archive.com/home/?u=ad318b7566f97eccc895e014e&id=935d4e98eb
[133] Europeana Labs News, April 2018. View at
https://us3.campaign-archive.com/?u=ad318b7566f97eccc895e014e&id=8dff7a9295
[134] Blogs on Europeana Labs. View at https://pro.europeana.eu/pages/blog/blog/markets/creative-industries
[135] Blog on Greetings from Zagreb. View at https://pro.europeana.eu/post/greetings-from-zagreb-1
[136] Blog on Europeana #edTech Challenge winners: winners announced. View at
https://pro.europeana.eu/post/europeana-edtech-challenge-winners-announced
[137] Europeana Labs on Twitter. View at https://twitter.com/europeanalabs?lang=en

criteria[138] and shortlisted six projects. From there, an international panel[139] of experts conducted personal interviews with the candidates to discuss their product concept and business model in greater detail, as well as cost estimates and delivery timeframe. Faced with a range of strong ideas with enthusiastic teams behind them, we decided to extend the prize fund to 34,000 EUR and support the further development of the two projects - "Wonders of the World" app (14,000 EUR) by the Italian startup Art Stories and "Bird Song Memory" hybrid learning solution (20,000 EUR) by the team of Léna Mazilu and Yoann Gueny - one person start-ups in France. More in our blog[140].

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.[141] The space promotes material (over 170 open datasets, e.g. dataset on The Antun Gustav Matoš collection[142]), issues call to actions (i.e. Grants programme) and features research related blogs (e.g. Open access for fascinating South-Arabian 'squeezes' from the Glaser Collection, March 2018[143]), 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)

An advisory board meeting was held in the Europeana offices, The Hague, the Netherlands on 25th of April to discuss the business plan, next steps for the third Europeana Research Grants programme, and to introduce the new Research officer, among others. UGLA and AthenaRC contributed to the development of the Europeana Research business plan. AthenaRC worked on potential publication on work previously conducted within Europeana Research (1968 case study).

Activities and updates were published via EF's general communication and dissemination channels and dedicated channels such as Europeana Research on Twitter[144]. The work of Europeana Research is supported by the Europeana Research Advisory Board chaired by Professor Lorna Hughes (UoG).[145]

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[138] Assessment process. View at
https://docs.google.com/document/d/1yNY-6XSWTvzkxUdouDdJmKRivGouCOkmfYllREYqyFo/edit?ts=5a58c87e
[139] Europeana #edTech Challenge 2018 - Jury. View at
https://pro.europeana.eu/page/europeana-edtech-challenge-2018-jury
[140] Blog on Europeana #edTech Challenge winners: winners announced. View at
https://pro.europeana.eu/post/europeana-edtech-challenge-winners-announced
[141] Europeana Research. View at https://pro.europeana.eu/what-we-do/academic-research
[142] Digitising our literary heritage: The Antun Gustav Matoš collection (1873-1914). View at
https://pro.europeana.eu/post/the-antun-gustav-matos-literary-bequest.
[143] Blog Open access for fascinating South-Arabian 'squeezes' from the Glaser Collection, March 2018. View at
https://pro.europeana.eu/post/open-access-for-fascinating-south-arabian-squeezes-from-the-glaser-collection
[144] Europeana Research on Twitter. View at https://twitter.com/EurResearch
[145] Europeana Research Advisory Board. https://pro.europeana.eu/page/europeana-research-advisory-board

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

Research Grants Programme

The current Europeana Research Grants programme is funding two researchers to develop their projects and hand in a final report at the end of May 2018. Negotiations with a third potential grants programme winner are still underway. The two Research grants programme winners were interviewed by Europeana, which resulted in two blogs highlighting the reuse of Europeana Collections by researchers and to create more visibility for the outreach programs of Europeana Research (e.g. Medieval manuscript databases: Krista Murchison, Europeana Research Grants Winner, April 2018[146]).

Connect to Research Infrastructures

EF an CLARIN continued to connect to Research Infrastructures (e.g. DHBenelux2018[147]) (Tender, task 3.2.7 Connect to Research Infrastructures). CLARIN implemented improvements to the EDM-CMDI metadata conversion (see GitHub repository[148]). CLARIN was also involved in publication activities (e.g. co-authored a short paper on digitised newspapers and the EDM Fulltext profile as submission for TPDL 2018; and submission for DHBenelux2018[149] was accepted for presentation as a short project introduction). UGLA consulted with Europeana Board member on Europeana Research dissemination through other infrastructures (DESIR, etc).

Europeana Research also was represented by Seamus Ross of the Europeana Research Advisory board as part of a panel at a conference about the usefulness of research infrastructures for the digital humanities held by KU Leuven and the European Consortium for Humanities institutes and centers (ECHIC)[150] on 5-6 April in Leuven, Belgium.

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

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[146] Blog Medieval manuscript databases: Krista Murchison, April 2018. View at
https://pro.europeana.eu/post/medieval-manuscript-databases-krista-murchison-europeana-research-grants-winner
[147] EUDAT conference, Porto, January 2018. View at
https://eudat.eu/events/conferences/save-the-date-eudat-conference-putting-the-eosc-vision-into-practice
[148] GitHub repository. View at https://github.com/clarin-eric/metadata-conversion/tree/dev-edm-cmdi
[149] DHBenelux2018. View at http://2018.dhbenelux.org
[150] ECHIC Conference programme. View at https://www.arts.kuleuven.be/echic-2018/Programme

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 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[151] (e.g. on the first 2018 Members Council meeting, March 2018[152], and introducing newly-elected Councillors in 'Meet the Members Council' series, March 2018[153]). 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[154] reaching 2,104 subscribers (e.g. Network Update of March 2018[155]). 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 (e.g. Peter Soemers, Functional Application Manager (IT, Information specialist) Netherlands Enterprise Agency (RVO.nl), March 2018). EF also manages the Europeana LinkedIn Group[156] (3956 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.

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[151] Blogs on Europeana Pro. View at https://pro.europeana.eu/blog
[152] First 2018 Members Council meeting, March 2018. View at
https://pro.europeana.eu/post/first-2018-members-council-meeting-in-the-hague-rebooting-and-starting-afresh
[153] Meet the Members Council, Marco de Niet. View at
https://pro.europeana.eu/post/meet-the-members-council-marco-de-niet
[154] Newsletters and Updates - December 2017. View at
https://pro.europeana.eu/resources/document-archive/newsletters-and-updates
[155] Network Update - March 2018. View at
https://us3.campaign-archive.com/?u=ad318b7566f97eccc895e014e&id=567e28ba61
[156] 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

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.

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 two virtual Management Board meeting in March and April, and a physical Members Council meeting in March. The practical set-up of 5 newly proposed Network Association communities proposed by the Management Board and approved by the Members Council, is being explored and implemented. The number and scope of these communities will be confirmed in the coming weeks and months. Minutes and actions of those meetings are regularly updated following their review on the Europeana Pro page[157]. The next virtual Management Board meeting will take place on 2 May.

The first 2018 Members Council meeting[158] took place on on 6 March in The Hague The Council discussed the current and future ENA aspirations, with the main objective to improve the current set-up and increase the community-building efforts in order to activate and strengthen the Network. The key topic was the implementation of the new community-based Network structure. The Network will be reshaped around communities based on topics of common interest, challenges and needs of the Network members, or thematic channels/markets of Europeana, and with regional/national representation. The Council identified and started exploring the future functioning of 5 proposed communities: Technical standards, Impact, Innovation within the sector, Outreach campaigns, and Use of DCH in education and research. The Councillors formed breakout groups around these topics and each group discussed how their community should run in practical terms.

The Councillors were also presented with the upcoming activities related to the Europeana Migration Campaign and discussed how they and their networks can contribute to it, being part of the 2018 EYCH. A few Councillors also shared their personal migration stories during a Europeana collection day simulation. The Council briefly discussed the Association

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[157] Newsletters and Updates. View at
https://pro.europeana.eu/resources/document-archive/newsletters-and-updates#network-association-updates
[158] First 2018 Members Council meeting in The Hague: Rebooting and starting afresh. View at
https://pro.europeana.eu/post/first-2018-members-council-meeting-in-the-hague-rebooting-and-starting-afres
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budget, set-up new yearly Working Groups, and evaluated and approved final reports of 2 Task Forces: Advanced documentation of 3D Digital Assets, and Network Participation Framework. The next Members Council meeting is planned for 5-6 July in The Hague, Netherlands.

Task Forces and Working Groups

The Network Association members take on specific subjects or areas of common interest by participating in the Task Forces[159] and Working Groups[160]. 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[161]
2. TF Europeana Resource Citation and Object Identity Standardization[162]
3. TF Creation and Governance of EDM mappings, profiles and extensions[163]
4. TF Europeana Migration[164]

Working Groups (WGs)[165] are set-up to address ongoing activities and issues of continuing relevance and run without a limited timeframe as long as their purpose is required. Currently EF supports six active WG (WG Copyright Policy[166], WG Library[167], WG #AllezCulture[168], WG Data Quality[169], and WG Governance[170], 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) Two groups communicate regularly to resolve or work on issues: EuropeanaTech community and Europeana Copyright community[171].

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[159] Europeana Task forces. View at https://pro.europeana.eu/network-association/task-forces
[160] Europeana Working Groups. View at https://pro.europeana.eu/network-association/working-groups
[161] TF Impact Assessment. View at https://pro.europeana.eu/project/impact-assessment
[162] TF Europeana Resource Citation and Object Identity Standardization. View at https://pro.europeana.eu/get-involved/task-forces/resource-citation-object-identity-standardization
[163] TF Creation and Governance of EDM mappings, profiles and extensions. View at https://docs.google.com/document/d/18Csr68hcWVH4md-xpGbHbiXZbeEIuDsQPDdXpQIP6Yg/edit
[164] TF Europeana Migration. View at https://docs.google.com/document/d/13IeiLdY-lFEA0whyU3TxFzsks1_TVxasRwZ4Oh-epQI/edit
[165] WGs on Europeana Pro. View at https://pro.europeana.eu/network-association/working-groups
[166] Copyright Policy Working Group. View at https://pro.europeana.eu/project/copyright-policy-working-group
[167] WG Library. View at https://pro.europeana.eu/project/library-wg
[168] WG #AllezCulture.View at https://pro.europeana.eu/project/allezculture-working-group
[169] WG Data Quality. View at https://pro.europeana.eu/project/data-quality-committee
[170] WG Governance. View at https://pro.europeana.eu/project/governance-working-group
[171] A dedicated space on Europeana pro will be created throughout the Europeana DSI-3 project.

EuropeanaTech community

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 (e.g. EuropeanaTech Insight Oct 2017- Jan 2018[172]). All newsletters can be viewed on Europeana Pro.[173]

NISV led the organization alongside EF for a IIIF Showcase and Workshop to be held on May 14th in The Hague. Additionally, NISV was active in IIIF community engagement discussions, strengthening the connections between the IIIF Network and EuropeanaTech community. EF attended and presented at several events (e.g. EF presented its work on implementing IIIF at a IIIF conference[174] in Paris on March 15; EF presented at a Lorentz Center workshop on Online Information Quality[175] in Leiden on March 26-29).

The EuropeanaTech Conference 2018[176] is an important large-scale event for Europeana and its Network and takes place every other year. This year, it will focus on Tech being at the centre of the Year of European Cultural Heritage. It will be held on 15 and 16 May 2018 at the SS Rotterdam in Rotterdam, the Netherlands. The preparations of the conference are in their final stage. It will bring 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 will discuss topics of major interest to the Europeana community, and advise on data, discovery and delivery. The event will target 250 developers, researchers, technologists and data specialists with cultural heritage interests, and will be sponsored by the EuropeanaTech community. The programme of the conference[177] has been supervised by a programme committee, derived from the Europeana DSI-3 consortium, the Europeana Network and invited experts. The list of all the keynote speakers[178] and their contributions has been finalized and published on Europeana Pro.

EF continued its efforts in promoting the EuropeanaTech conference reflecting the communications plan, actions sought to promote the USP and benefits of the conference

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[172] EuropeanaTech Insight Oct 2017- Jan 2018. View at
https://mailchi.mp/beeldengeluid/europeanatech-insight-newsletter-uml8i73fi7-518405?e=%5BUNIQID%5D
[173] EuropeanaTech newsletters. View at https://pro.europeana.eu/page/europeanatech-insight
[174] IIIF conference, Paris. View at
http://www.biblissima-condorcet.fr/fr/evenements/journee-biblissima-iiif-innover-redecouvrir-patrimoine-ecrit-2018
[175] Lorentz Center workshop on Online Information Quality, Leiden. View at
https://www.lorentzcenter.nl/lc/web/2018/982/info.php3?wsid=982
[176] Europeana Tech conference. View at
https://pro.europeana.eu/event/europeanatech-conference-2018
[177] EuropeanaTech 2018 programme. View at https://pro.europeana.eu/page/europeanatech-2018-programme
[178] EuropeanaTech 2018 key note speakers. View at
https://pro.europeana.eu/post/europeanatech-2018-our-keynote-speakers

to both potential attendees and sponsors. This included several blogs (e.g. '5 reasons why you should attend EuropeanaTech'[179]) and the development of a sponsorship opportunities offer[180]. EuropeanaTech continued to place tech as an integral part of the EYCH including promotion on the EYCH website.[181]

Wikidata's presence at the EuropeanaTech conference will now not only be through several talks in the main program, and a keynote presentation, but also a pre-conference workshop day[182] held at the Europeana offices. It is expected to be fully subscribed for the 60 person capacity and will feature presentations and workshops across three tracks. In recognition of the outreach potential of training Europeana Network members in Wikidata, all specific event costs will be borne by the Wikimedia Foundation.

Europeana Copyright community

EF and Lovegrove, supported by KL, will further develop the Europeana Copyright community[183]. (Tender, task 4.7.2 Europeana IPR community) The first copyright community newsletter[184] was sent in March to 525 people identified as having expressed an interest in copyright during their interactions with Europeana. Recipients were asked to formally join the community which has so far resulted in 60 members joining the community.

Cultural heritage institutions and stakeholders

EF communicates with CHIs and other stakeholders via Europeana Pro[185]. (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 IV: Communication and dissemination activities (such as events, meetings and conferences attended along with online and offline publications).

Europeana Communications group
EF maintains a Europeana Communications group that proactively reinforces Europeana communications and campaigns through relevant networks and communities and helps

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[179] 5 reasons why your boss should send you to EuropeanaTech 2018. View at
https://pro.europeana.eu/pages/5-reasons-why-your-boss-should-send-your-to-europeanatech-2018
[180] Sponsorship options at EuropeanaTech 2018. View at
https://pro.europeana.eu/page/sponsorship-options-at-europeanatech-2018
[181] EuropeananTech on EYCH website. View at
https://www.europeeserfgoedjaar.nl/?event=europeanatech-2018&event_date=2018-05-15
[182] Wikidata:Events/EuropeanaTech 2018 Wikidata workshop day. View at
https://www.wikidata.org/wiki/Wikidata:Events/EuropeanaTech_2018_Wikidata_workshop_day
[183] Copyright on Europeana Pro. View at
https://pro.europeana.eu/network-association/special-interest-groups/europeana-copyright
[184] Copyright Community, Issue 1: Sharing knowledge throughout the cultural heritage sector. View at
https://mailchi.mp/ef5bbce793cf/welcome-to-the-first-newsletter-of-the-europeana-copyright-community?e=[U
NIQID]
[185] Europeana Pro. View at https://pro.europeana.eu/

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[186], 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, April 2018[187]). The average open rate for March/April is 54.7.8% and the average click through rate is 14.2%. EF continued to build up the Basecamp membership as a means of sharing information and best practice.

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)

EF and several partners in Germany prepared and ran the Spring edition of the Aggregator Forum meeting in Berlin, 22-23 March 2018. All DSI-3 partners actively participated in the meeting, chaired working sessions and contributed significantly to the success of the meeting. In that context we also investigated with ACE and Photocons how to reboot the Aggregator Forum. The proposal to elect a Steering Group for the Aggregator Forum was approved in Berlin and elections are now running for a chair and a vice chair. A full report of the meeting will be prepared during the next reporting period.

Statistics Reporting

EF continues to provide usage statistics of Europeana on the Europeana Pro Page. We provide quarterly reports[188] on the Europeana end-user products, social media and third-party platforms. We published the latest report in January 2018[189] which illustrates the developments over time in 2017 and Q4 of 2017. EF also provides the reports for Members States[190] of which we increased the frequency from once to two per year. (Tender, task 4.2.

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[186] Communications update from Europeana. View at
http://us3.campaign-archive.com/home/?u=ad318b7566f97eccc895e014e&id=6741190c56
[187] Digital culture news from Europeana and beyond, February 2018. View at
https://us3.campaign-archive.com/?u=ad318b7566f97eccc895e014e&id=93cd4770d1
[188] Usage statistics of Europeana data. View at
https://pro.europeana.eu/resources/statistics/europeana-usage-statistics
[189] Usage Statistics Q4 2017. View at https://pro.europeana.eu/page/usage-statistics-q-4-2017
[190] Member states page on Europeana Pro. View at https://pro.europeana.eu/what-we-do/member-states

Improved statistics reporting on use of Europeana) EF also reported on the use of Europeana in the deliverable C.3 Data Access patterns[191] 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) Harry Verwayen, acting executive director, attended the 3rd DCHE meeting on 18 April to give an update on the work of EF and Europeana service to the Member States.

F. Maintain an international interoperable licensing framework

EF and KL continues to maintain the Europeana Licensing Framework[192] 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[193] to assure interoperable, machine readable rights statements that work for cultural heritage. (Tender, task 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)[194] 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 has been circulated to a group of data partners (Photocons, MCA, ACE, AIT Graz, 2Culture) for their preliminary review by end of February 2018. Responding to the feedback commenced in March-April 2018 and will continue in May-June 2018.

EF chairs the Steering Committee for the Rightsstatements.org consortium[195]. Its members are continental or national digital libraries or platforms (including EF, Digital Public Library of America (DPLA)[196], Library & Archives Canada (LAC), National Digital Library of India

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[191] 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
[192] Europeana Licensing Framework. View at https://pro.europeana.eu/post/the-europeana-licensing-framework
[193] Rightsstatements.org. View at http://rightsstatements.org/en/
[194] Data Exchange Agreement. View at https://pro.europeana.eu/page/the-data-exchange-agreement
[195] Rightsstatements.org. View at http://rightsstatements.org/en/
[196] Digital Public Library of America (DPLA). View at https://dp.la/

(NDL), and National Library of Australia (Trove)). The Rightsstatements.org Business plan for 2018[197] wase published in March 2018, setting in place four goals for the consortium to reach in order to further the embedding of rights statements in cultural heritage institutions globally.

Translations of the rights statements are continuing to be developed, with German and Estonian published for public feedback in March 2018.

In April the annual meeting of the Statements Working Group was held at the New York Public Library, including representatives from Europeana and the Network.

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[198] 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 [199]. The impact work is supported by a video explainer[200], a website[201], blogs and a community of impact professionals (on LinkedIn[202], 210 followers). (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 held a two day workshop in April at Europeana offices to review the contents of the toolkit and identify how it should be further refined in the coming months. This included a mentor session for practitioners of the playbook.

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 this space, and work to better understand, target and respond to the needs of the audience (e.g. Impact newsletter 2018 #2[203], Making an

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[197] Rightsstatements.org Business plan for 2018. View at
https://pro.europeana.eu/post/developing-the-rightsstatements-org-consortium-in-2018
[198] Impact Assessment Taskforce. View at https://pro.europeana.eu/project/impact-assessment
[199] Europeana Impact Playbook. View at
https://pro.europeana.eu/post/introducing-the-impact-playbook-the-cultural-heritage-professionals-guide-to-as
sessing-your-impact
[200] Impact video. View at https://vimeo.com/238533045
[201] Impact website. View at https://pro.europeana.eu/what-we-do/impact
[202] Impact of Cultural Heritage Institutions on LinkedIn. View at https://www.linkedin.com/groups/13528017
[203] Impact newsletter 2018 #2. View at
https://mailchi.mp/europeana.eu/your-monthly-impact-newsletter-518541?e=d7b9eed4ba

impact (it's not just about numbers), March 2018[204]). 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. In addition, sign-up forms to download Playbook and register interest were implemented. This enables us to communicate in a targeted manner with people who download the Playbook.

Five cases studies are being developed using the impact playbook under the guidance of EF. Workshops and mentor sessions were held in March and April with SMK, NLW, Transcribathon and SmartSquare. The first impact survey for the migration project was launched in April and resulted in the collection of 20 responses. The initial review indicates that some promising results will be collected.

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[205]. We regularly publish a newsletter specifically targeted towards Member States (e.g. Europeana Quarterly Update - Spring 2018[206]). There were no Member States or EU Parliament related events organised during this reporting period. The next event (under Bulgarian presidency) will take place in Bulgaria in March 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.

Migration in the Arts and Sciences[207]

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

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[204] Making an impact (it's not just about numbers), March 2018. View at
https://medium.com/@juliafallon/making-an-impact-its-not-about-numbers-e986864975f9
[205] Members State page. View at https://pro.europeana.eu/what-we-do/member-states
[206] Europeana Quarterly Update - Spring 2018. View at
https://us3.campaign-archive.com/?u=ad318b7566f97eccc895e014e&id=e9a3e539a2
[207] Project page Migration in the arts and Sciences on Europeana Pro. View at
https://pro.europeana.eu/project/migration-in-the-arts-and-science

period, the selection plan and digitisation plan for the project were completed. The selection plan shows a list of data providers and associated metadata currently identified by the customized API search query. This list is reviewed by EF and, if applicable data providers are asked to improve the content. The selection plan also identifies existing content on Europeana which is not currently retrieved by the search query, which could be improved to be part of Europeana Migration. Furthermore, the selection plan includes potential material that is already digitized and not on Europeana Collections. Potential ingestion of the content will be investigated further.

The editorial plan has been finalised, with regular blogs and galleries beginning in April 2018 and an exhibition planned for October 2018. A marketing and communications plan was prepared by EF and agreed on by partners. Europeana Migration will be promoted by actively addressing audience segments through social media, user engagement events, project presentations or showcases, articles and third party blogs.

Rise of Literacy[208]

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). In the reporting period, EF worked with several of the partner organisations to help them focus on the delivery of new or improved content to Europeana as well as to contribute to the planned editorial. The editorial plan has been finalised and first drafts of some exhibition chapters are expected by the end of April 2018. We have recruited our advisory board from members of the Europeana Libraries Working group - they will steer the development of the thematic collection sustainability plan.

Our manuscripts query for the manuscripts thematic collection is developing well - we have pushed back the date for publishing this to early May 2018, so that we have a shared communications plan and existing editorial in place. Developing the query has highlighted the need for data improvements in this area. Actions are being taken to contact existing data providers (not in the Generic Services partnership) to highlight the value of improving their data so it can be part of the manuscripts thematic collection.

Byzantine Arts and Archaeology (BYZART)[209]

In this reporting period, an internal review meeting of the BYZART project was held on 5 April to assess project progress and discuss specific topics such as metadata, rights statements and communications.

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[208] Project page Rise of Literacy on Europeana Pro. View at
https://pro.europeana.eu/project/rise-of-literacy
[209] Project page Byzantine Arts and Archeology on Europeana Pro. View at
https://pro.europeana.eu/project/byzantine-art-and-archaeology

Progress on Handover

EF is preparing Europeana DSI for open procurement from mid-2018. For this objective, EF has 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 October 2017 as well as E.3 Employed staff report (submitted October 2017 and February 2018). EF developed a process to technically handover the infrastructure. This is reported on in deliverable E.2 Transfer process report 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, May 2018).

4. Key Performance Indicators (KPI)

As specified in the Tender the KPIs have been updated based on the Business plan 2018. For cultural heritage institutions (CHIs), we changed the KPI for CHIs now rating the user satisfaction with services offered by aggregators, rather than rating Europeana services as most CHIs supply content via national or domain aggregators. An additional KPI for aggregator satisfaction was introduced as aggregators are key stakeholders for Europeana. We also changed the KPI for measuring Tiers from one KPI to two KPIs to be more explicit in the content we hold.

For the European Citizens market, we changed the measurement from Likert scale to NPS scores as this gives us direct and easy to implement feedback mechanism towards our products (e.g. one question with pop-up while users are using the product instead of a survey questionnaire). As the reach on third party platforms and social media was performing well in 2017 we increased the targets for 2018. Just the the traffic KPI for visits to Europeana Collections stayed the same as we experienced challenges to achieve this KPI. 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 (please see chart below) and will hopefully increase traffic over time. At the moment we're at 75% of the target KPI which is the highest traffic since May 2016.

Number of pages indexed by Google
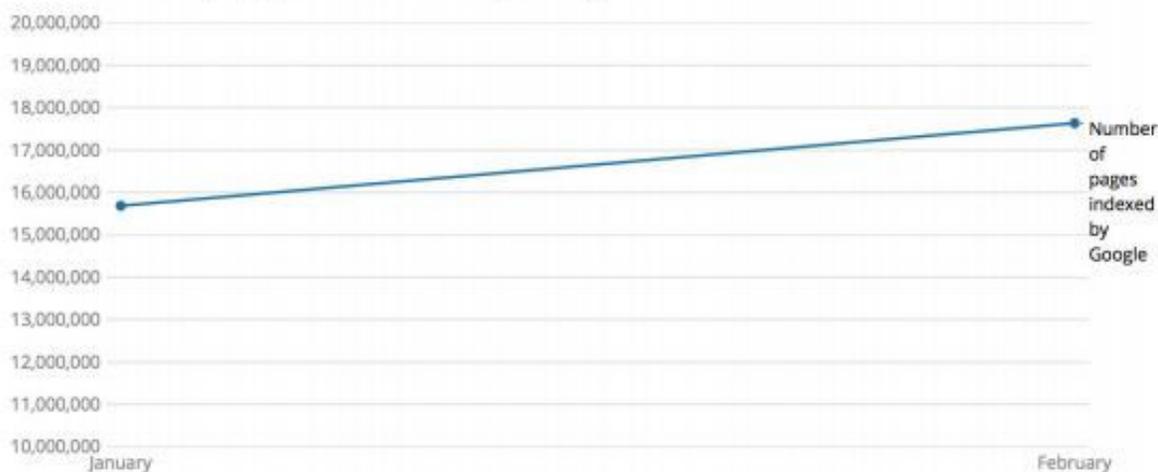
The amount of indexed pages increased between January and February, and keeps on growing.

We also reduced the KPI for returning visitors to thematic collections to one KPI taking the average of all thematic collections, instead of additionally measuring this KPI for all individual thematic collections (e.g. Art, Music, Photography). The scores for the individual thematic collections were quite balanced. Further, we reduced the target for the KPI click-throughs to data partners website as we had challenges to reach this target in 2017. The decrease of the number of pages indexed by Google influences this KPI, as less people reach pages with poor quality (e.g. records that have little metadata description). This pages are more likely to have further engagement to the partner's website (a user may be interested in more description of the record and clicked-through to the data partners website). We also developed our direct view of objects on the record pages which may impacted on the number of click-throughs.

For the Research market, we changed the way for measuring user satisfaction form Likert scale to NPS scores. NPS scores give a direct and easy to implement feedback mechanism towards our products (e.g. one question with pop-up while users are using the product instead of a survey questionnaire). We also replaced the KPI for consolidating partnerships with research infrastructures that make Europeana data available to case studies of using Europeana resources in research infrastructures, to make this KPI more specific. Further we introduced a KPI for a Europeana Research Business plan as main milestone.

For the Education Market, we also changed the way for measuring user satisfaction form Likert scale to NPS scores. Further, we changed the KPI for educational partnerships to integration of Europeana data in dynamic learning environments to make it more specific. We introduced a new KPI for learning resources using Europeana data as one of the main milestones for this market under Europeana DSI-3.

For the Creative Industries market, we removed the KPI for users satisfaction as this market is not our main priority at the moment. We introduced a new KPI for new projects with high social and economic impact potential corresponding to our challenges for CCIs for funding for the best projects submitted.

For the Europeana Network, we introduced a new KPI for user satisfaction, increased the KPI for amount of members, and removed the KPI for Working groups keeping only the KPI for Task Forces. We also introduced the KPI for Community-based organisation implemented as community building is one of our objectives this year.

There were also introduced two new categories of KPIs for policy and frameworks as well as research and developments to track the progress in these areas as well.

Description	Actual 31 March 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.[210]	40% of the total
Tier 3+ data: 20% of the total			20% of the total
European Citizens			

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[210] 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.

Net Promoter Score for thematic collections, exhibition and blog > 30[211]	Europeana Collections received a Net Promoter Score rating of 69 (Spring 2018, measured quarterly) Exhibitions average[212]	69 (Europeana Collections) 55 (Exhibitions)	> 30
Reach of Europeana data: total impressions 3rd parties (Wiki, DailyArt ect.): 150 million	39,069,004	~25%/~26%	150,000,000
Reach of Europeana data: Total impressions social media: 82 million	38,614,801	~25%/~47%	82,000,000
Reach of Europeana data: Total engagement social media (shares/likes): 350 thousand	133,897	~25%/~38%	350,000
Reach of Europeana data: Traffic overall: 6 million visits	1,162,081	~25%/~19%	6,000,000
Engagement on Europeana products: Returning visitors >30% average on all thematic collections	28,4	28,4	>30%
Engagement on Europeana products Downloads: 180 thousand	80,255	~25%/~45%	180,000
Engagement on Europeana products Click-throughs: 800 thousand	211,899	~25%/~27%	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	In progres	> 40

[211] Currently, for the European Citizens market we measure the NPS for Europeana Collections and exhibitions.
[212] 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.

> Five integrations of Europeana data in dynamic learning environments (e.g. apps, publishing platforms)	1	1	> 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	0	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)	1,890	> 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 rightsstatements.org in their infrastructure	0%	Work has not started yet, planned for end of 2018	>25%
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	5	5	10
Roadmap for improving visibility and indexing by search engines ready and approved	In progress	In progress	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

- EF has a new Executive Director Harry Verwayen, starting 1st May 2018, who replaced Jill Cousins.
- Kerstin Herlt joined the EU project management team at DIF.

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	low	high	- create a consortium agreement with a clause on liability

	causing financial or organisational problems for other consortium members			
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 March 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 March figures reflect the time frame 1 September 2017 until 31 March 2018.

Category of activity	Foreseen Percentage of the full contract value in the tender	September 2017	November 2017	January 2018	March 2018
1. Platform maintenance and development	**38%**	40.6%	40.7%	40.1%	39.7%
2. Fostering content supply	**18%**	19.6%	18.7%	18.0%	18.2%
3. Fostering content reuse	**19%**	17.3%	16.8%	16.4%	16.1%
4. Communication and dissemination	**14%**	8.6%	9.2%	11.6%	12.5%
5. Studying the impact of digital cultural heritage	**2%**	1.8%	2.8%	2.8%	2.6%
6. Governance	**1%**	2.6%	2.1%	1.8%	1.8%
7. Handover	**3%**	0.5%	0.5%	0.7%	0.6%
8. Project management	**5%**	9.0%	9.2%	8.6%	8.5%
Total	**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	
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 Delivered to EC
B.3 Final report	Report	M12	
C.1 Technical documentation	Report	M9 ,M12	M9 In preparation
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 In preparation
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	
E.1 Transfer of assets and liabilities report	Report	M1, M10	M1 Delivered to EC
E.2 Transfer process report	Report	M6, M10	M6 Delivered to EC
E.3 Employed staff report	Report	M1, M6, M9, M12	M1, M6 Delivered to EC, M9 In preparation

Annex I: Helpdesk services and expertise

The annex states activities from 1 September 2017 until 30 April 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 + 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 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
RCE	One-to-one: advice concerning data update and metadata enrichment with AAT top subject concepts
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.
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)
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
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, including 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, including 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, including 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
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
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
Austrian Film Museum	Feedback on metadata quality and XML structure issues for new contribution
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
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)	One-on-one support for improving of metadata mapping of their ingested datasets
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 (Greece)	Update of the dataset published under the ATHENA project (Parthenon frieze's marbles).
Nationalmuseum (Sweden)	Content enrichment planned
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
Photocons	
TopFoto (UK)	Under discussion the terms of support to be provided for aggregation of a new collection (metadata cleaning and mapping)
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) |
| CRDI (Spain) | Support in finalization of dataset update, according to the DSI requirement/suggestions (nearly ready for harvesting) |

Annex II: Data quality improvements

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

Objective from data quality plan	Progress as of December 2017
2Culture	
Objective 1: Address content with broken links	Links of 2020718 are fixed.
Objective 2: rights statements	No issues reported by Europeana.
Objective 3: Add SKOS concepts for archaeology and architecture. Populate at least 50% of the records with high level subject concepts for archaeology and architecture	High level SKOS concepts have been added to 30% of the collection.
Objective 4: Improve the availability of contextual metadata Increase to 5% the amount of records with detailed subject concepts for archaeology and architecture related to AAT.	Detailed subject concepts are available for 3% of the collection.
Objective 5 Improve Multilinguality	Multilinguality has been improved via the increase of multilingual labels available attached to the Getty AAT links.
AIT Graz	
skos:Concept and related children	Evaluation of incoming data and further preparations for realization of envisaged solution
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: Revising BL's audio content and metadata to include more embedded (and therefore tier 2) content.
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	BL: completed. BL continuing dIscussions with data providers on how to revise language attributes ongoing. Data providers for eSounds have stated their commitment to improving metadata for objectives 1-5. This is a gradual process, as data providers are working on other projects not directly connected with DSI-4.
Objective 3: Improvement of geo-location metadata	BL: completed. Discussions with data providers on how to do this ongoing. edm:agent has been improved in 2059209. It has moved from 11% to 31% of coverage.
Objective 4: Improvement of the edm:Agent data	BL: work ongoing. DIscussions with data providers on how to do this ongoing.
Objective 5: Improvement of date values	Not yet started.
DIF	
Related to all data quality plan objectives	Provision of harvesting links for a total of four updated datasets.
Objective 1: Improve multilinguality	All four updated sets: provided dc:type with lang@ for AV objects; enriched dcterms:alternative with lang@; corrected dc:description lang@
Objective 2: Improve geolocation	All four updated sets: dcterms:spatial enriched with literal instead of ISO code
Objective 3: Increase skos: concept class	Three updated sets: AV objects enriched with dc:type containing values from Europeana vocabulary; One updated set: enriched dc:subject with dbpedia term "World War I". Increase of 6% in the presence of skos:concept class. Now it covers 18% of the records.
Objective 4: Improve chronological information of NonAV material	One updated set: enriched with dcterms:created
Objective 5: Improve dc:type for AV records	Two updated sets: enriched with dc:type
Additional data quality improvement not listed in the DQP	Increased dc:subject for one dataset; provided larger thumbnails for one set; increased dc:title for two sets, cleaned up and enriched entries in dc:creator, dc:publisher, dc:contributor in two sets; increased dc:description for one set; improved chronological information for AV records for one set; provided ore:Aggregation dc:rights for one set

eFashion	
100% of the relevant fields have the xml:lang attribute. Sub-objective: Align attributes with ISO 639-3 (older mappings may have 639-2 language tags)	Done
100% of the records have at least one instance of dc:type	Done
Provide edm:isShownBy that is a video for edm:type VIDEO	● Removed 500 records with missing video from NISV (hosted originally on Blip.tv, now off-line) ● In contact with MoMu about the fix of their Vimeo video records
99% of all records with date information element (dc:date or dcterms:created)	Done
Expand and exploit the Europeana Fashion Thesaurus	Following the contacts with The Getty Research Institute (GRI), more specifically with managing editor Patricia Harpring, we started the process to incorporate over 800 translations done for our vocabulary into the Art & Architecture Thesaurus. Several institutions have shown their willingness to help in verifying the translations (for Dutch, Italian, Greek, French) and some have meanwhile finished the work (for Serbian and Hebrew). For German and Swedish, solutions are nearby (reconnecting with the institutions was needed since project partner employees have meanwhile moved on to other museums). Spanish and Portuguese will be postponed; Spanish is present in the AAT; for both languages no clear enthusiasm was prompted by institutions. In this period also he main hierarchy of our thesaurus was also reviewed, in order for it to be accordingly changed after the additions of the translations.
MCA	
Task 1:	xml:lang attributes are being included in all concerned datasets.
Task 2: All Museu data sets should have a 75% of their records meaningfully geolocated.	30% of the datasets have been analysed and are under enrichment in MINT

Task 3: all MUSEU datasets should have meaningful conceptual entities in at least 60% of their records.	30% of the datasets have been analysed and are under enrichment in MINT. This task will be helped by the publication of the Foto Marburg dataset (800.000+ records dataset) . Europeana is working to publish this data while making the link redirection from the old Athena links.
Task 5.1 dataset 2048087 Portable Antiquities Scheme (Collections Trust)	
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.
NISV	
General	Preparation with NTUA of the publication of the core collection items (more than 60.000 records). This update includes some major changes affecting objectives 4 (improve the presence of conceptual entities) and objective 6 (edm:object size), and some smaller metadata changes and fixes. In the next reporting period this update and the changes can be harvested and published by Europeana as well.
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. This update is not published on Europeana yet, but should result in the increase of the amount of conceptual entities.
Objective 5: Remove broken links	Contact with all data providers with known broken links issues, fixed for one dataset.
Photocons	
Objective 1 - Re-engineering of the Photoconsortium vocabulary	work on thesaurus structure progressing. mapping to AAT/wikidata ongoing.
Objective 2 - Data preparation and mapping training	Metadata training held in Leuven on Dec. 2017. Work on data ongoing, the terms of EP thesaurus are currently 500 (techniques and deterioration) + 490 (subjects, all of these are translated in 16 languages).

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
Objective 5 - Contextual and informational metadata improvement	Done for Promoter dataset and CRDI, particularly with iso format of dates and type concepts
Objective 6 - General metadata improvement	Done for Promoter dataset and CRDI, particularly implementing language attributes
Objective 7 - Content improvement	Verification and addition of isshownat; verification and correction of broken links
Objective 8 - Licensing improvement	Verification with NTUA about status of new rights statements in MINT. creation of new mappings to be applied to "dormant" partners (i.e. those who are not likely to curate their old datasets in Europeana). Dissemination of Kenninsland research on rights statements accuracy + advocacy to Photocons members
Objective 9 - A Photoconsortium Europeana metadata strategy document	Drafting ongoing

Annex III: Implementation of content strategy

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

Partner	Activity
2Culture	
2Culture	2Culture worked with partners to foster the supply of archaeology and architecture content, and with EF to establish a collections view(s) of these themes.
ACE	
ACE	ACE has contacted the Croatian Film Archive to become a data partner and publish in Europeana.
AIT-Graz	
AIT-Graz	AIT-Graz identified new partners to use the LIDO workflow of OpenUp!
APEF	

APEF	APEF is exploring ideas on how to automatically recognise APEF content which is suitable for Europeana's thematic collections, in order to specifically channel this kind of content towards Europeana only.
APEF	APEF developed a new content policy (http://www.archivesportaleuropefoundation.eu/images/docs/New_ArchivesPortalEurope_Europeana_Content_Policy_20170426.pdf) under DSI-2, which is based on the principles of the Europeana content strategy. APEF is now promoting its content policy to the country manager network and supports the data partners implementing it. The most recent result is the announcement of the Riksarkivet Sweden to get rid of the paid access for its digital objects per 01/01/2018.
APEF	APEF improved the apeEAD to EDM conversion based on the new content policy and used the submissions under #AllezDemocracy as a pilot for this improvement.
APEF	APEF started to implement the rightsstatement.org statements and promoted them to data partners.
DIF	
DIF	Negotiations with Swedish FIlm Institute about contribution of AV collection (adding to their nonAV collection provided earlier)
eFashion	
eFashion	eFashion finalised the ingestion of two new datasets in Tier 2 (both metadata and images) and worked with individual data partners to implement rightsstatement.org statements.
MCA	
MCA	MCA is identifying potential providers of content for the Migration Collection.
MCA	MCA supported the Byzantine Art (DSI Generic Service) project in the initial phase of this project.
NISV	
NISV	NISV has presented at the Aggregator Forum meeting in Zagreb how rightsstatements.org statements were implemented on their side. NISV is working on expanding the network of data partners.
NISV	NISV brought collections to tier 2 of the EPF by making the EUscreen player embeddable via oEmbed in Europeana Collections.
Photocons	
Photocons	Photocons (via its partner KU Leuven) participated in the content analysis and selection for the Europeana Migration project.

Annex IV: Communication and dissemination activities

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

Partner	Name of event	Activity	Location	Date	Website/ Resource
DIF	2018 FIAF Symposium Sharing	Presentation on aggregating metadata for EFG	Prague, Czechoslovakia	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-culture-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	ViMM Event	Speaker; Representing Europeana	Berlin, Germany	12-13/04/2018	https://www.vimm.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	Leuven, Belgium	06/04/2018	https://www.arts.kuleuven.be/echic-2018/Programme

		Europeana Space MOOC"			
EF	Government Europa Quarterly, Issue 25 (page 52-53).	An interview with Harry Verwayen on the benefit for European citizens of digitising cultural heritage	Online	April 2018	http://edition.pagesuite-professional.co.uk/html5/reader/production/default.aspx?pubname=&edid=e9f3c786-3eca-4851-b7d4-1fb8a6e5f5d8
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.europa.eu/info/events/innovation-and-cultural-heritage-2018-mar-20_en
EF	Cultural Heritage in Digital Era, EU Info Centar	Presentation and Panellist	Belgrade, Serbia	16/03/2018	https://europa.rs/digitization-debate-kicks-of-the-cultural-heritage-campaign/?lang=en
EF	Journée Biblissima et IIIF : Innover pour redécouvrir le patrimoine écrit	Presentation: Europeana et IIIF [French]	Paris, France	15/03/2018	http://www.biblissima-condorcet.fr/fr/evenements/journee-biblissima-iiif-innover-redecouvrir-patrimoine-ecrit-2018

EF	High Level Meeting Education	Representing Europeana	Brussels, Belgium	14/03/ 2018	
EF	4th EYCH Stakeholder and National Coordnators meetings and joint meetings	Representing Europeana at stakeholder and partner level for the European Year of Cultural Heritag	Brussels, Belgium	7-8/03/ 2018	
F&F	Special Europeana Crowdsourcing Workshop of Japan Digital Archive Society	Presentation of Europeana 1914-1918 and Transcribathon.eu	Tokyo University, Japan	23/02/ 2018	http://digitalarchivejapan.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	Porto, Portugal	22-25/01/ 2018	https://eudat.eu/eudat-conference-posters-0#6

		cultural heritage data in a research infrastructure"			
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 &	Boston, USA	13/12/ 2017	http://dcicblog.umd.edu/cas/ieee_big_data_2017_cas-workshop/

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

		new EU H2020 project			
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 V: 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)**

Pre-existing material	Rights to pre-existing material	Identification of rights holder
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)

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

4. AIT Angewandte Informationstechnik Forschungsgesellschaft mbH (AIT GRAZ)

Pre-existing material	Rights to pre-existing material	Identification of rights holder
Any document or digital object, created by AIT Angewandte Informationstechnik Forschungsgesellschaft mbH, before 31 August 2017, whether published or not;	Copyright	AIT Angewandte Informationstechnik Forschungsgesellschaft mbH
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)

Pre-existing material	Rights to pre-existing material	Identification of rights holder
Any document or digital object created by AIT VIENNA before 31 August 2017, whether published or not	Copyright	AIT Austrian Institute of Technology GmbH
The Annotations API service	Licenses, copyright	AIT Austrian Institute of Technology GmbH
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.

Pre-existing material	Rights to pre-existing material	Identification of rights holder
Any document or digital object, created by The British Library, before 31 August 2017, whether published or not;	Copyright	The British Library
Any document or digital object, created by Europeana Sounds before 31 August 2017, whether published or not;	Copyright	Europeana Sounds Partners

9. CLARIN ERIC (CLARIN)

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

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	CLARIN ERIC

10. Deutsche Nationalbibliothek (DNB)

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