



Europeanana Foundation Governing Board Meeting

16 November 2016
16h30 – 18h00 CET
Teleconference Call

Progress Report on DSI II for Steering Committee
Action proposed: For information, critique, Q&A and approval

Commentary by Martijn Pronk, Chair of the DSI2 Steering Committee

The project is on track and achieving its objectives with no cause for concern. The Chair therefore recommends that the Board as the Steering Committee of Europeanana DSI2, reads conscientiously and then approves this first interim report.

As a general comment, the Chair of the DSI2 Steering Committee would however like to see the report radiating more confidence, than being purely a list of results of various size, importance etc. Progress is unevenly distributed across work packages and often it is not (immediately) clear in what way reported results have contributed to achieving (part of) the goal. Therefore, this status update could for some readers appear as a long list of more or less separate projects, while I think it is of the utmost importance for Europeanana to be seen as a structured, decisive, focused organization by all relevant decision-makers. Thus a progress report must be a sign of not only the quantity but also the quality of our work. You could say it should also be a PR-tool for Europeanana and reflect pride in the results of our work.

Victor-Jan Vos and Laura Rauscher assured Martijn that this is a preliminary, interim report. Martijn maintains that we should pay more attention to the secondary message we send out in reports like these, and he would like to hear the opinions of other board members on this subject. The report shows that Europeanana is well under way and on track with DSI II, which is positive and promising for the future.

DSI 2 Progress Report

The Europeanana DSI-2 project builds on and continues operation of the existing Europeanana Digital Service Infrastructure's (DSI) Core Service Platform (CSP), following the Europeanana DSI-1-project. Europeanana DSI-2 is thus our core project in which we operate all our activities.





Europeana Foundation and the Europeana DSI2-consortium collaborates with the Europeana Network Association to create annual business plans. The goals of the Europeana DSI-2 project and the Europeana Business Plan 2016 are the same, thus making sure that the goals of the project and the Europeana Network align.

The core goals of Europeana DSI -2 are:

1. To create value for partners by ensuring a better customer experience and incorporating network-centric thought.
2. To improve data quality by innovating the way we aggregate material and implement quality frameworks.
3. To open the data by developing community-segmented services and championing interoperability
4. To strengthen the Europeana ecosystem by trying to achieve long-term funding and transforming the Europeana organisation (the office, the project partners and the Network) from good to great.

Below is a summary of achievements of the Europeana DSI-2 project from July-until September 2016. The next progress report is a formal progress report that will be sent to the Commission for formal review. The full report is attached for further reference.

1. To create value for partners by ensuring a better customer experience and incorporating network-centric thought.

To achieve the first goal, creating value for partners by ensuring a better customer experience and incorporating network-centric thought, we focus on the improving the services for all customer groups: data partners, end-users and re-users. Also, with the purpose to create more value to (data) partners, Europeana has focused on the implementation of the Statistics Dashboard, which provides all our partners with information regarding the traffic to their data on the Europeana sites.

Europeana Collections and the Thematic Collections, ran effectively in the first three months of the project and good progress was made on the writing of the Europeana Collections Plan. Research was carried out on the end-user blog to ensure impactful blogs reaching out to the end-user and in the day to day workflow we implemented more effective ways to develop business requirements for product improvements. The Statistics Dashboard is fully functional and further development work is scheduled for 2017. A subcontract for liaising with the Wikipedia community was issued with Liam Wyatt and a campaign around the theme of 1914-1918 is in the progress of being launched.

Europeana Art published the final chapters of the successful exhibition 'Faces of Europe' and on 25 October a new exhibition, *The Colossus of Leonardo da Vinci*, was launched in partnership with [Museo Galileo](#). The Europeana Art Collections Advisory



Board, continuously helped the collection thrive and grow. It will meet again physically in the course of 2017 and stays in touch virtually via Basecamp.

During this reporting period, we have published on Europeana Labs: three new datasets on the topics of art and fashion (textiles from Sweden, posters and sketches from Toulouse-Latrec and stamps and seals from Lithuania), four new applications using Europeana content (Cinemacina, Damrak, AGRIS and an API-implementation on the website of the Korea Copyright Commission), ongoing updates on the API documentation.

We also promoted the Europeana Labs offering and maintained regular communication with our target audiences via all relevant channels. For this reporting period, we registered 4,970 Labs users on average per month, published two Europeana Labs newsletters (July and September), each reached ca. 3.000 subscribers. This allowed us to better target prospect users and provide them with relevant information on the Europeana Labs service.

Europeana was the guest of honour at [Ludovia13](#), a big educational summit on 23-26 August in South of France. The event was under the patronage of the French Ministry of Education and brought together 800 participants (educators, educational providers and policy makers). Europeana got great exposure to the French educational communities through sessions on each event day as well as at a dedicated stand. More on the event on <http://pro.europeana.eu/blogpost/merci-pour-tout-ludovia-13-encouraging-re-use-of-digital-cultural-heritage-for-education-in-france>

2. To improve data quality by innovating the way we aggregate material and implement quality frameworks.

The second goal, innovating the way we aggregate material, was achieved by the focus on improving our ingestion tools and on implementing quality frameworks, such as IIF and the Europeana Publishing Framework. The Europeana Publishing Framework underlines the value of quality data and presents four tiers of participation in Europeana to data partners. According to these tiers, the higher the quality of information provided, the more benefit is created to audiences.

Since the start of DSI-2 in July 2016, the Europeana database grew in total by about 400,000 records (from 53,118,746 records in early July to 53,522,847 record at the end of September). Total gross increase was reduced by depublishing and data clean-up. Looking at the quality KPI we set in the Business Plan 2016, we have surpassed the target number over summer. We aimed to add at least 2.5 million records to tier 2, 3 or 4 of the Europeana Publishing Framework. Currently, we have 4.4 million more records of tier 2, 3 and 4 than in January 2016.

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meeting in Frankfurt/Main: use cases for the product were reviewed along with additions related to development progress.

The requirements work was also pursued with users from EF and TEL and gathered in a living [document](#) that tracks work in progress on Metis. The design of dashboards for Metis has started as the result of a continuous collaboration between internal EF users of the tool, our UX designer and the Product Owner of Metis.

3. To open the data by developing community-segmented services and championing interoperability

Regarding the third goal, Europeana continued developing and maintaining the Europeana Data Model (EDM), its successful de-facto standard for data exchange in all domains. EDM is especially successful as the data model that allows multilingual, multi-domain, flexible data exchange in the cultural heritage sector. We have refreshed our EDM roadmap. Work has continued on the EDM profile for annotations, organizations, IIIF services and new ways for validating EDM metadata.

Furthermore, user experience has been enhanced with improved facets, a richer media experience and an improved (multilingual) search and browse experience. A product release roadmap has been outlined and a second version of the technical design plan has been published. All services developed were moved to the main Europeana Github repository; continuous integration and Git flow were set up. An alpha version of the Europeana Collections preview service was developed. Development of the Metis mapping tool has started.

Europeana is currently in the process of updating its internal systems for use with the new rights statements (rightsstatements.org). This process is expected to conclude in October 2016 at which point the old Europeana specific rights statements will be replaced by the new internationally standardized rights statements offered by rightsstatements.org

In addition Kennisland (Paul Keller) and Europeana Foundation (Jill Cousins) participated in a rightsstatements.org steering group meeting on 11 and 12 September in Boston, US. The purpose of the meeting was to define a governance structure for rightsstatements.org. This work will continue in the next period. Kennisland and Europeana have also contributed to more extensive documentation for the rightsstatements.org website.

4. To strengthen the Europeana ecosystem by trying to achieve long-term funding and transforming the Europeana organisation (the office, the project partners and the Network) from good to great.



The final goal of the Business Plan is to strengthen the Europeana ecosystem. Under this goal, we make the best use of the Europeana ecosystem, including the Europeana Network Association, the member states, the European Commission, Europeana Foundation and our partnership in the project.

The Europeana DSI-2 project kick-off meeting took place in Vienna at the beginning of September. We had the possibility to meet project partners face-to-face and to network between and across teams. The objectives of the Europeana DSI-2 project have been discussed, as well as issues related to project management, administration and coordination. The teams from each work package had time to discuss future steps and expectations in regard to the project.

A lot of work has gone into preparing the AGM and Elections 2016 with the Management Board, Elections/Voting Committee and Members Council dedicated Working Groups. The [2nd physical meeting of the Members Council](#) in Vienna was organised during the previous reporting period.

Network [Task Forces](#) and [Working Groups](#) overview are being kept up-to-date. The current active Task Force entitled “Audiovisual Media in Europeana” and lead by Erwin Verbruggen met virtually several times and will deliver their interim report in November 2016.

The [AGM Working Group](#) led by Uldis Zarins and Johan Oomen, has been very active in preparing the [AGM Agenda and identifying the appropriate speakers](#). Here again, the WG outcomes were further communicated in September and October through the various dedicated channels (network newsletter, specific mailchimp campaigns, Europeana Pro blogs, LinkedIn and Twitter).

EF coordinated the work processed by the above working groups and set-up the communications plan for both the [Elections 2016](#) and [AGM 2016](#).

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Circulation:

Europeana Foundation Governing Board Members & Observers

Classification:

Public

ANNEX:

Europeana DSI-2 interim progress report 1
July - September 2016



Europeana DSI-2 interim progress report 1

July - September 2016

Laura Rauscher (ONB) (laura.rauscher@onb.ac.at)

Victor-Jan Vos (EF) (victor-jan.vos@europeana.eu)

1. Introduction

Europeana DSI-2 is operating the Europeana DSI and connects cultural institutions who have heritage to share with the end-users and re-users who need this material for work, learning or pleasure. Europeana DSI-2 provides the platform that allows that to happen. Europeana DSI-2 is funded by the Connecting Europe Facility (CEF) Trans-European Telecommunications Networks Work Programme 2015.

Europeana DSI-2 is coordinated by the Europeana Foundation and is run in cooperation with its 34 partners. They can be divided into domain and thematic aggregators (film, natural history, museums, archaeology, fashion, television, labour history and archives), expert networks for distribution (education, tourism, research, creative industries) and experts on subjects that complement the mission of Europeana DSI (legal, technological, statistical, crowdsourcing, events). National aggregators are associate partners to this project. We have also the support of the full Europeana Network Association. The Network Association plays an important part in the governance of Europeana and are doing a lot of volunteer work in Task Forces, expert meetings and workshops.

While Europeana DSI, as a Platform, has many components ready and developed, the experience of sharing needs to be made easier, reciprocal, seamless and more rewarding. Europeana DSI-2 takes further steps towards this. Under Europeana DSI-2, end-users get access to higher quality material in formats that they can use for specific purposes. Creators are clearly and consistently attributed for their work. Aggregators serving cultural institutions get access to improved tools and services for distribution and aggregation.

Europeana DSI-2 continues to ensure a unified and standardised method of access, delivery and distribution of newspapers, letters, books, diaries, archival documents, music, sounds, films, TV broadcasts, museum objects and other cultural objects.

Europeana DSI-2 helps solve border issues around data transfer by promoting the need for copyright reform on a European level. Europeana is directly confronted with the challenges and opportunities of the Digital Single Market for digital cultural heritage, providing case studies and creating practical solutions for transfer of cultural data. It works with several research centres, experts in search technology and the CEF Automated Translation (CEF.AT) building block, to achieve multilingual access and search and discovery improvements.

This document serves as the first progress report of the project. We will present our progress in each work package according to the Description of the Action (DoA) and will update on the outlook for the first five months of the project and provide an overview of all deliverables and milestones to date. Financial results of the first part of the project will be provided separately at the beginning of December 2016.

2. Europeana DSI objectives

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3. Progress July - September 2016

The project started on 1 July 2016, had its kick-off in September 2016 and is on track.

WP1 Data Partner Services

This work package is responsible for the enhancement of the data and the aggregation infrastructure to preserve access to content already accessible, to improve metadata and content quality, and work with the aggregators to ingest new or updated content. The WP includes a much more proactive outreach to new content holders to join Europeana, with more openly accessible data, and fosters their active involvement.

Participants in this work package:

- Europeana Foundation (EF)
- Association Cinématiques Européennes (ACE) and Deutsches Filminstitut (DIF), on behalf of EFG (both representing the film archive-domain)
- 2Culture Associates and AthenaRC, on behalf of CARARE (both representing the archaeology domain)
- Netherlands Institute for Sound and Vision (NISV), on behalf of EUScreen (representing the television and video archive domain)
- Freie Universität Berlin (FUB), on behalf of Open Up! (representing the natural history domain)
- MICHAEL Culture AISBL and Collections Trust (CT) (both representing the museums domain)
- Europeana Fashion International Association (eFashion) (representing the fashion heritage domain)
- Archives Portal Europe Foundation (APEF) (representing the archival domain)
- International Consortium for Photographic Heritage PHOTOCONSORTIUM (PHOTOCONS) (representing the photographic heritage domain)

These domain aggregators are complemented by three technical partners:

- National Technical University of Athens (NTUA)
- Poznan Supercomputing and Networking Centre (PSNC)
- Knowledge Integration Ltd (K-INT)

Associate partners (non-funded) are several national aggregators or national libraries: Austria, France, Germany, Italy, Romania, Lithuania, Slovenia, Spain, Slovakia, Serbia, Norway, Bulgaria, Belgium/Flanders and Czech Republic. Associate partners provide data to Europeana and are involved in discussions on the innovation of the infrastructure.

The objectives of this work package are to:

- innovate the data and aggregation infrastructure by developing business requirements for a shared workflow and toolset (task 1.2)
- maintain a data and aggregation service: Europeana DSI-2 will run aggregation services for 10 domains and themes (libraries, sounds, archives, museums, natural history, film, television, archaeology, fashion and photography), including their technical services (task 1.3)
- increase knowledge of and expertise on the use of Europeana DSI with the aim of increasing the participation of cultural heritage institutions in Europeana (task 1.4)
- implement and develop expert hubs: Europeana DSI-2 looks to the implementation of 2 expert hubs based on 2 domain aggregators, and sets up with national aggregators a best practice network (task 1.5)
- improve data quality, according to the Europeana Publishing Framework tiers; Europeana DSI-2 will add 2,8 million records in tier 2 and above. In addition, Europeana DSI-2 will normalise and enrich metadata, e.g. provider names, date and language information (task 1.6)

Description of work carried out and achievements:

Task 1.1. Manage the work package

In the first three months of the project we integrated two new Operations Officers in the Data Partner Services team of Europeana Foundation. They received training in data processing and started to work on publishing data to europeana.eu. The WP1 progress calls were scheduled for the first six months of the project and the two first calls were held, one end of August, the second end of September. The call in September concluded the first three months of the project. The Aggregator Forum Basecamp project is used regularly to also keep the national aggregators that are associate partners of DSI-2 up to date.

Task 1.2. Innovate the aggregation infrastructure for the Europeana DSI

This task delivers and validates the business requirements for the Europeana DSI's shared aggregation infrastructure and brings the new tools and services to the market.

Subtask 1.2.1. Develop business requirements for a new set of ingestion workflows and tools

An updated version of the technical design plan for Metis was produced to be shared with Europeana DSI partners early October and presented at the Aggregator Forum meeting in Frankfurt/Main: use cases for the product were reviewed along with additions related to development progress.

TEL

The requirements work was also pursued with users from EF and TEL and gathered in a living document which informs the work ongoing on Metis. The designs of dashboards for Metis has started as the result of a continuous collaboration between internal EF users of the tool, our UX designer and the Product Owner of Metis.

Following the decision of Conference of European National Librarians (CENL) of May 2016 to discontinue TEL services for its member libraries as of end of 2016, TEL has been working during the reporting period to establish new aggregation routes for its partners. This includes three main scenarios - re-routing of aggregation workflow through some other data provider (usually a national aggregator), becoming a direct data provider to Europeana or performing no action (in cases where institutions are currently not actively engaged in digitization). TEL is maintaining an active communication about future aggregation scenarios with almost all of the 91 partners who are either TEL member libraries or have used TEL aggregation services during a project. So far nine libraries have confirmed that they themselves are a national aggregator, eleven have confirmed that they will be using their national aggregator as the future route, and eighteen libraries have confirmed that they will deliver their content directly to Europeana (either on regular basis or an a one-off activity to update their content already available on Europeana with help of TEL).

Subtask 1.2.2. Market research and planning for shared data services and new set of ingestion workflows and tools

For the second part of 2016, we are currently planning and preparing two more stakeholder consultations, one with the partners of the European Film Gateway and one with the partners of OpenUp!. These meetings are scoped but not scheduled yet, expected to take place in November and/or December 2016.

A release of the alpha version of three shared services for Metis (validation, preview, statistics) is planned for November 2016; with this release, technical documentation will be produced, enabling the prototyping with Knowledge Integration to start.

K-INT

In preparation for prototyping the adaptation of the Europeana Connection Kit (ECK) to interface with new METIS services, K-Int continued to maintain the Dark Aggregator service which includes shared ECK modules. This included a full re-installation of the server following a hardware crash.

eFashion

In this reporting period, eFashion participated directly to the newly defined aggregators task force that started the evaluation and definition of requirements for the next stage of the shared infrastructure development. The task force met two times in September 2016 and started drafting a first set of recommendations.

Subtask 1.2.3. Release shared data services and new set of ingestion workflows and tools

AthenaRC on behalf of CARARE

A new Perio.do service has been created in order to allow for period names enrichment. A new service that allows publishing content from MORE directly to the Europeana Cloud storage using Europeana Cloud's API has been created and is awaiting testing. The content workflow and the quality review of content on MORE have been reviewed by AthenaRC.

NISV on behalf of EUScreen

NISV updated the AV Toolset to comply with the Europeana Publishing Framework.

Task 1.3. Maintain and run data and aggregation services of DSI aggregating partners

This task maintains the current technical infrastructures of DSI-2 aggregating partners, allowing for a continuous supply chain of cultural heritage-data from their providers to Europeana DSI. The aggregators can then increase the number of participating data providers, processing an increasing amount of data while improving the quality of data submitted to Europeana DSI.

DIF on behalf of EFG

DIF prepared an Request for proposals (RFP) to find a technical subcontractor to carry out the hosting and the data ingestions. The RFP was issued on 22 September, deadline for submissions is 5 October.

FUB on behalf of the OpenUp! network

FUB contributed to the installation of new BHiT version and testing of harvesting and to discussion of new possibilities to test ingestion workflow with large quantities of data.

AthenaRC and 2Culture on behalf of CARARE

The MORE metadata aggregator has been running and supporting the CARARE network. eFashion maintained its aggregator infrastructure up and running in collaboration with NTUA. This included the maintenance of the ingestion platform MINT, the OAI metadata publication to Europeana, the digital repository, where almost 1 mln. digital objects are hosted, and the portal front-end. These last two modules are running in a cloud infrastructure.

NTUA

NTUA applied maintenance work on MINT in order to be up-to-date with the latest versions of the technologies we are using. After discussing with all the aggregators that are using MINT in order to collect requirements on how to improve the functionality, NTUA has drafted a questionnaire based on which we will define the direction for the future MINT developments.

APEF

APEF provided the Europeana ingestion team 4 sample EDM data-sets with small mapping varieties in order to find out which apeEAD-EDM mapping would work the best given the limitations of the Europeana portal display.

PHOTOCONS

PHOTOCONS contributed to liaison and tutoring with potential new partners interested in providing datasets to Europeana (from Spain and from Cyprus).

During the reporting period TEL has re-processed 44 data sets from 13 partners, who have decided to become direct data providers to Europeana. Re-harvesting and re-processing of data is performed in order to establish the necessary changes in data preparation and workflows for partners in order to deliver their data without TEL aggregation services, as well as to improve their data (see Task 1.6.).

Task 1.4. Optimise relations with data partners, domain, thematic and national aggregators

This task develops, maintains and operates the Aggregator Forum and the network of data partners with a strong focus on improving the processes between all aggregating partners in the Europeana DSI.

DIF on behalf of EFG

The Aggregator Forum Basecamp is active and continuously used for reaching out to aggregating partners. The main activity of EF in this reporting period is the preparation of the second 2016-Aggregator Forum meeting, which is co-organised by EF and the German Digital Library in Frankfurt/Main from 5-6 October. The main agenda item is the work on the role of aggregators in the future of the Europeana Ecosystem. We expect about sixty colleagues to join for 1.5 days of workshops. A side meeting on IPR to continue the train-the-trainer activities from DSI-1 will take place as well, in the morning of 5 October.

DIF, together with ACE, held a partner meeting in Bologna on 28 June 2016. The meeting had to be carried out before the official start of DSI-2 as the film festival in Bologna is attended by representatives from all European film archives and many film archives from other continents, so it offers a perfect opportunity to disseminate information about Europeana and EFG. Aim of the meeting was to update EFG partners and interested archives regarding the activities under DSI-2, the general strategy of Europeana and the implications it has for the aggregators. DIF also presented the Europeana Publishing Framework as well as rightsstatements.org and talked about the relevance of good metadata quality. The meeting was attended by representatives of 25 European film archives. Following the meeting, DIF prepared a short questionnaire about possible further data contributions from the film archive sector, which was circulated by ACE to its membership. Replies to this questionnaire will inform DIF of any extra contributions to be carried out under DSI-2.

ACE on behalf of EFG

ACE informed and trained EFG data providers and ACE network members about the Europeana Publishing Framework and the new rights statements in Europeana at the EFG information meeting in Bologna, 28 June 2016. ACE also provided input to the IPR workshop at the Aggregators Forum in Frankfurt, 5 October 2016.

MICHAEL on behalf of MUSEU

MCA prepared a new campaign toward European museums and also participated to a training session organized by Council of Europe for Georgian & Azerbadjian museums and Hungarian cultural institutions. Budapest, Hungary – July 2016.

FUB on behalf of the OpenUp! network

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FUB put first coordination efforts for new partner aggregation and maintained contacts/public relation; direct communication with candidates from Belgium, Germany, France, Great Britain

FUB is offering support to (potential) new providers e.g. MNHN Luxembourg and jointed planning meeting BGBM and AIT for OpenUp! DSI-2 contribution according to work plan first planning effort for OpenUp! DSI-2 dissemination workshop in 2017.

AthenaRC on behalf of CARARE

Metadata mappings have been maintained by AthenaRC in accordance to the latest EDM and partners' schemas.

Europeana Fashion International Association

eFashion maintains and curates a dedicated Basecamp group, where more than 35 fashion data provider institutions are registered and where all the relevant news and activities are disseminated. In order to reach a broader audience in the fashion heritage domain, eFashion also curates a blog on europeanafashion.eu and in July it started also the publication of a bi-weekly newsletter that at the end of September 2016 has reached more than 1.500 subscribers. eFashion also regularly collaborate with the Europeana Communicators Group in order to disseminate both Europeana network news and eFashion news and activities. eFashion also started in August 2016 a collaboration with Europeana Labs for the organisation of the second Europeana Challenge on fashion (<http://labs.europeana.eu/blog/next-challenge-2016-open>).

NISV on behalf of EUScreen

NISV contributed to strengthen and consolidate EUscreen network, keep on showing the Europeana work, via Basecamp and updating training environment for video aggregation.

During the transformation process a lot of individual consultation is provided to libraries to increase their knowledge and awareness of Europeana-specific requirements and specifics of aggregation process, mainly about mapping issues and EDM. A survey has been launched to better identify knowledge gaps among libraries about EDM and mapping issues. An discussion is ongoing on the value of publication of TEL bibliographic linked open data sets on Europeana Research and Europeana Labs. Prospects of of transferring the existing TEL virtual exhibitions to Europeana exhibition platform has been explored, and a decision adopted to focus on a simplified recreation of 1-2 TEL exhibitions on Europeana.

PSNC

During the reporting period PSNC was providing and maintaining LoCloud Collections service, including providing users support. Beside PSNC started the analysis of LoCloud Collections service backlog in order to prioritize and plan service development for the coming months of the project. PSNC also discussed with Europeana possible options for integrating LoCloud Collections with other Europeana services (especially EuropeanaCloud).

Task 1.5. Move from aggregation to Expert and National Hubs

This task further develops and build on the implementation plan developed under Europeana DSI-1 to innovate the relationships of aggregators and Europeana Foundation in order to provide value added services for all data partners.

ACE on behalf of EFG

ACE is member of Working Group Domain Aggregators Next and provides input to the discussions and helps drafting the TF Recommendations. ACE participated in the Domain Aggregators working group meetings in The

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Hague on 23 September and Frankfurt in 5 October and coordinates with the ACE Board about future developments of EFG as domain aggregators.

PHOTOCONS

PHOTOCONS had a meeting with Photoconsortium member CRDI in Barcelona 5/7 to discuss contribution of CRDI to quality control of Europeana Photography collections in Europeana.

Subtask 1.5.1. Implementation and further development of the expert hub concept

A task force was established at the DSI-2 kick-off meeting in Vienna to work more closely with some DSI aggregating partners on the activities for expert hubs. This task force met for the first time on 23 September in The Hague and concluded the meeting with a revised list of activities for expert hubs and first draft recommendations for the role of current domain and thematic aggregators in the Europeana Ecosystem. The Task Force will continue the work during the Aggregator Forum meeting and conclude its work on 25 October 2016.

CARARE

Athena RC and 2Culture (on behalf of CARARE) worked on the concept of expert hub, establishing legal entity and sustainability. They contributed information about the CARARE workflows, aggregation infrastructure and the tools and services available to network members.

FUB on behalf of the OpenUp! network

FUB on behalf of the OpenUp! network, contributed to the investigation on possible features of becoming an expert hub. eFashion representatives joined the discussion on the role of expert hubs started at the kick-off meeting in Vienna.

Europeana Fashion International Association (eFashion)

eFashion brought to the table also the conclusions of the task force on sustainability models for aggregators that it has coordinated.

NISV on behalf of EUScreen

NISV contributed to the Expert Hub communication plan which is in development.

TEL

TEL contributed by providing information about TEL workflows, aggregation infrastructure, membership model and services.

Subtask 1.5.2. Coordination of expert hubs

This subtask looks into the collaboration of expert hubs and the relations they have with each other and with Europeana. It also takes the development progress towards the shared technical infrastructure into account that influences the further development progress of the expert hub concept.

Subtask 1.5.3 Facilitate the setup and coordination of a National Aggregators Best Practice Network

A first draft of a Memorandum of Understanding was presented by national aggregators to EF in late September 2016. This MoU is supposed - among others - to clarify the role of national aggregators within the Europeana ecosystem. It will be discussed further during the Aggregator Forum meeting in early October with the goal to have an agreed version by the end of the year.

TEL, APEF

TEL has established a task force to discuss the role and functions of a library expert hub under Europeana Network Association. TEL has also participated in the task force on the future of domain aggregators and also APEF contributed to the Europeana Aggregator Taskforce.

Task 1.6. Improve the Europeana DSI data quality

The content strategy team (EF staff plus four domain experts) finished a first internal draft of the Europeana Content Strategy in September.

DIF on behalf of EFG

DIF made an evaluation of data sets in EFG that need to be improved and compiled a detailed plan of tasks to be carried out by a technical subcontractor. The improvement of data quality focuses mainly on harmonisation of existing values in fields such as object type, language attribute, provider names. Furthermore DIF will continue to monitor broken links and have archives repair them. Where possible, DIF will lobby to bring in more Tier2 material. DIF, together with a technical subcontractor, will work on ca. 30 data sets to fix individual bugs.

MCA - MICHAEL on behalf of MUSEU

MCA cleaned the database of collections that do not comply to requirements, updating the ones that can be compliant, published datasets, allocated helpdesk for the provided and had preliminary contacts with Douglas Mc Carthy for the inclusion of more content providers in the Art Channel.

FUB on behalf of the OpenUp! network

FUB provided the coordination and data monitoring discussion with vocabulary web service provider, establishing of an updated workflow plan for Common Names Webservice usage. FUB also supplied the quality control: working on broken thumbnails for NHM and worked on technical support for Naturalis, waiting for implementation.

CARARE

The enrichment services of MORE have been applied to the incoming packages in MORE in order to enrich the incoming content by AthenaRC. Furthermore, services for measuring metadata and data quality have been developed and a thorough report for all the CARARE network packages has been created.

eFashion

eFashion in this reporting period already ingested in its aggregator more than 20.000 new records in Tier 2. It also started a systematic activity of improvement of metadata mapping for all the already ingested and published datasets. This activity is supervised by two eFashion content officers and carried on in collaboration with the data providers. Also a new version of the fashion multilingual thesaurus has been published, which included new terms and new terms translations.

NISV on behalf of EUScreen

NISV participated in Aggregator Forum IPR Workshop and APEF contributed to the Europeana Content Strategy Working Group. CT established the contact with Brighton and Hove Museums, which wants to contribute high-quality content to Europeana as a new contributor.

PHOTOCONS

PHOTOCONS had a discussion with Photoconsortium member NTUA in Athens 24/6 on how NTUA could facilitate data improvement on the photography collections in Europeana for Photoconsortium members.

TEL

Whenever possible TEL is working on improvement the quality of data in re-processed data sets. As this mainly depends on capabilities of partner itself, the amount and nature of quality improvements varies from set to set. During the reporting period one set has been upgraded to provide images using IIIF protocol. For other sets main areas of focus has been improvement of thumbnail images (especially where those have been missing so far) and direct links to the digital objects. As a part of quality improvement efforts two data sets have been de-published from Europeana, where a content duplication was identified. TEL was involved in review of the first draft of Europeana content strategy.

Subtask 1.6.1. Ingest and enrich metadata for Europeana DSI

Since the start of Europeana DSI-2 in July 2016, the Europeana database grew in total by about 400,000 records (early July - 53,118,746; late September - 53,522,847). This is due to the database clean-up over summer and the depublication of datasets (see below under 1.6.4). Looking at the quality KPI we set in the Business Plan 2016, we have surpassed that target over summer. We aimed to add at least 2.5 million records to tier 2, 3 or 4 of the Europeana Publishing Framework. At the time of writing, we have 4.4 million more records of tier 2, 3 and 4 than in January 2016. However, this increase is also showing the progress of creating technical metadata in the Europeana backend and fixing issues with datasets where technical metadata could not be created earlier.

Subtask 1.6.2. Ingest high-quality material for thematic collections

After the reorganisation within the office of EF, we now have completed the alignment of the internal teams behind WP1 and WP2. This will allow us to coordinate the content acquisition more efficiently in order to ingest high-quality material or improve existing datasets to make them fit for thematic collections. Over the last weeks we worked for example with the Museum für Kunst und Gewerbe (via the German Digital Library), the Schola Graphidis Art Collection (via MUSEU) and the Muzeum Narodowe w Warszawie (to be updated via Partage Plus). We also updated the collection of the National Library of Spain (rights statements) to allow parts of the collection to be used for a virtual exhibition.

Subtask 1.6.3. Full adoption of the Europeana Publishing Framework by all aggregators and data partners

In the reporting period EF reviewed the annex of the Europeana Publishing Framework (EPF) to specify the technical criteria for each tier per media type. DSI aggregating partners were involved in this work to consider their requirements. The revised annex will be presented at the Aggregator Forum meeting with the aim to conclude this review. From work under WP2 it became clear in this reporting period that the EPF works very well and users are actually acknowledging thematic collections of high quality data being surfaced more clearly. We are preparing on update for aggregators to better understand what users think about the Europeana Thematic Collections and how the EPF can help to reach these users.

Subtask 1.6.4. Adoption and implementation of new standards for metadata and content quality

In the reporting period EF started with the normalisation of organisation names in Europeana. A database with normalised organisation names was set up to prepare for the actual clean up step. Some of the proposed changes have been implemented already, but the majority of the normalised names will be implemented over the next months.

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Over summer a thorough review of parts of the Europeana database took with the aim to identify datasets not compliant with our standards. Some of those datasets where improvements were not possible have been depublished in agreement with the responsible data partner.

Very recently EF ingested and published the first IIIF manifests in Europeana. We still have some issues displaying these resources properly, but on data level we have made very good progress in order to work with more partners supporting IIIF in the future.

EF is also preparing for workshops with aggregators and data partners to work with them on data quality improvements and opening up their data. Two workshops will take place in October, one in Sweden and one in Spain.

WP2 End-user products & services

This work package functions to provide end-users with an attractive experience via Europeana Collections and the Thematic Collections and to deliver data to end users on external platforms (such as Wikipedia). The work package is responsible for publishing Europeana Collections and the Thematic Collection websites, with improved search and presentation of results (to be specified in this WP and developed in WP6).

Participants in this work package:

- Europeana Foundation
- 2Culture Associates
- AthenaRC
- Netherlands Institute for Sound and Vision (NISV)
- Europeana Fashion International Association (eFashion)
- International Consortium for Photographic Heritage PHOTOCONSORTIUM (PHOTOCONS)
- Facts and Files (F&F)
- Stiftung Preußischer Kulturbesitz - Staatsbibliothek zu Berlin (SBB),
- National Library of Latvia (LNB)
- Clarin ERIC (CLARIN)
- University of Glasgow (UoGlasgow)

The objectives of this work package are to:

- publish Europeana Collections (task 2.2)
- publish the Europeana Thematic Collections on art history, fashion, newspapers, photography, 1914-1918 and music (task 2.3)
- run and develop for each thematic area one case study that shows the value of the Europeana Publishing Framework (task 2.4)
- show the value of Europeana to partners by publishing the Europeana Statistics Dashboard (task 2.4)
- publish Europeana Research as the main access point for the use of Europeana by Digital Humanities to researchers (task 2.5)

Description of work carried out and achievements:

Task 2.1 Manage the work package

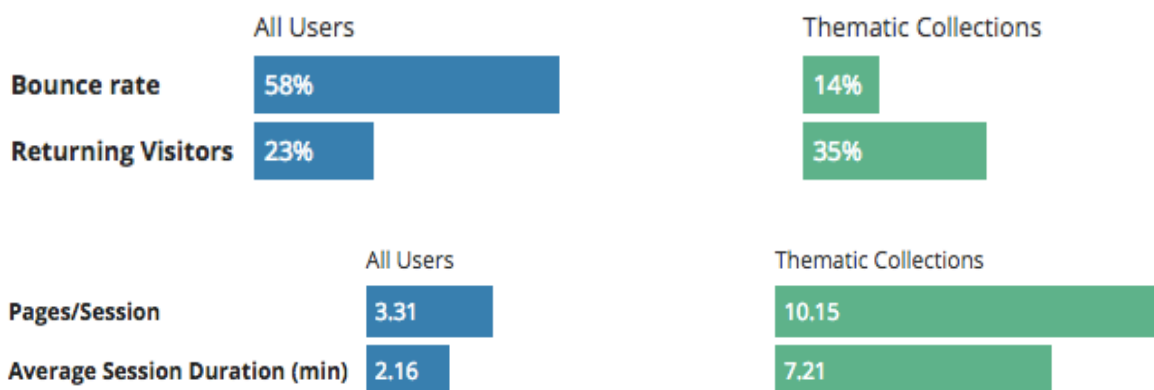
The partners of WP2 were all invited to participate in DSI-2 kick off meeting in Vienna. Most of the WP2 partners attended and actively participated in WP2 specific break out groups, those who could not be there were kept informed by email or basecamp.

Task 2.2 Publish Europeana Collections

Europeana Collections ran effectively in the first months of the project and good progress was made on the writing of the Europeana Collections Plan (M4). Research was carried out on the end-user blog to ensure impactful blogs reaching out to the end-user and in the day to day workflow we implemented more effective ways to develop business requirements for product improvements. The Statistic Dashboard is fully functional and further development work is scheduled for 2017. A subcontract for liaising with the Wikipedia community was issued with Liam Wyatt and a campaign around the theme of 1914-1918 is in the progress of being launched.

Task 2.3. Publish and Market Europeana Thematic Collections

Statistics are monitored monthly and show a much higher level of engagement within thematic collections.



Coordinated by EF staff, Europeana's thematic collections Music, Art and 14-18 continued to run actively and were further developed while Europeana Fashion, Photography and Newspapers will be developed in partnership during the course of DSI-2.

Europeana Art published the last chapters of the successful exhibition 'Faces of Europe' and on 25 October a new exhibition, *The Colossus of Leonardo da Vinci*, will be published in partnership with [Museo Galileo](#). The Europeana Art Advisory Board, continuously helping the collection thrive and grow will meet again physically in the course of 2017 and stays in touch virtually via Basecamp.

Europeana 1914-1918 continues to run on its current platforms with a view migrate to the Europeana Collections platform in the spring 2017. Events and transcriptions were prepared in Belgium, Romania and Latvia for fall 2016 in collaboration with F&F. The transcription tool will be connected to the current platform before 31 October 2016.

First preparatory meetings were held with Photocons the coordinators of the thematic collection on Photography. The required elements for the Europeana Photography Collections plan were discussed and agreed, the plan is on track for delivery in M4. Europeana Photography is expected to go live by the last quarter of DSI-2.

eFashion

Europeana Fashion is run by the E-Fashion consortium and will be launched and migrated to the Europeana Collections platform in January 2017.

eFashion worked in collaboration with EF (WP6) to the definition of requirements and product improvements of the Fashion Collection website that will officially launch in December 2016. In particular, it joined two meetings in The Hague and monthly telcos with the EF development team. The eFashion communication team regularly

engaged the fashion community curating content on the eFashion blog, newsletter and in all social media (Instagram, Pinterest, Facebook, Twitter and Tumblr), reaching out more than 27.000 followers.

F & F

F & F provided further development of transcription tool and editorial content at www.transcribathon.eu, technical support, composing and translation of texts for the website. For Europeana 1914-1918, F & F planned a meeting in Den Haag with the purpose to present the current version of the transcription tool. F & F also provided the planning and preparation of first international Transcribathon at the AGM in Riga/Latvia and for new Europeana 1914-1918 campaigns in three countries, Latvia, Belgium, Poland. F & F also worked for the development of new PR-materials (new graphic design and new texts for posters, folders, postcards and banners) for Europeana 1914-1918 and Europeana transcribe in English and Latvian (in cooperation with graphic designer Olaf Baldini).

SBB

SBB participated to the DPLA-IIIF-Europeana meeting regarding use cases for digitised newspapers, 18-19 July, The Hague and to the DSI-2 kick off meeting in Vienna, 7-8 September 2016 with a presentation on the current state and planned work for the thematic newspaper collection under DSI-2. They presented "Zeitungsdigitalisierung: Stand der Technik und Herausforderungen an Layout- und Strukturanalyse" at OCR-D Workshop, 6-7 September, Berlin-Brandenburg Academy of Sciences. SBB also provides the curation of the @eurnews Twitter account: 10 new Tweets July-Sept, 1133 Followers; of the <https://www.facebook.com/EuropeanaNewspapers> Facebook page: 3 new Posts July-Sept, 1315 Likes and curation, maintenance and updates of the <http://www.europeana-newspapers.eu/> website and blog. They performed Meetings/calls/videoconferences with researchers interested in Europeana Newspapers, incl. Ryan Cordell (Northeastern University), Bob Nicholson (Edge Hill University), Maud Ehrmann (École Polytechnique Fédérale de Lausanne) and with libraries/newspaper collection holders interested in providing their data via Europeana Newspapers, incl. Swiss National Library, National Library of Israel, Bremen State and University Library, Saxon State and University Library. SBB begun with the planning and preparation of D2.4 which should be ready at the end of November and accomplished technical discussions related to the migration of the Europeana Newspapers collection and functionality from TEL to Europeana's infrastructure.

Task 2.4. Develop user engagement projects

Six end-user engagement projects will be organised in the thematic areas of the collections. All partners are actively encouraged to propose ideas for such events either linking or tying into existing events or launches to ensure highest possible impact. The first event scheduled is a Transcribathon/Collection day around the theme of 14-18 in Latvia during the Europeana AGM at the National Library of Latvia, November 2017. NISV prepared the first user-engagement project together with F&F for this event.

LNB

During the reporting period LNB has been in coordination process between EF and F&F about the organisation of the user-engagement campaign for Europeana 1914-1918 in Latvia. The most suitable data for the collection days event - 06.-07.11.2016 - has been identified, responsibilities and tasks between partners has been agreed upon, agenda of the event, facilities, technical and human resources and support necessary for the event have been discussed and planned. LNB has provided Latvian translations of tools and outreach materials to be used for the event, and is involved in planning the promotional activities for the event. LNB has partnered with other institutions in Latvia to provide suitable digitized materials for 1914-1918 transcribathon event and worked with partners in educational sector to ensure participation in the transcribathon event.

Task 2.5 Develop case studies and impact

All events under 2.4 will be measured on overall impact based on the developed impact framework. It was agreed not to further develop the Dashboard (TBC- joris)/internal resources.

PHOTOCONS

PHOTOCONS provided a presentation of Europeana for Education and the Upcoming Europeana DSI Photographic channel at the EADTU HOME conference in Brussels 28/6 and also a presentation of Europeana Space MOOC and the upcoming Europeana DSI Photographic Channel at Edulearn 16 conference in Barcelona 4/7.

Blogs about DSI on Photoconsortium website and digitalmeetsculture.net portal, with action on social networks (Facebook and Twitter):

<http://www.digitalmeetsculture.net/article/europeana-dsi-2-kick-off-in-vienna/>

<http://www.photoconsortium.net/europeana-dsi-2-kick-off-in-vienna/>

<http://www.photoconsortium.net/photoconsortium-participates-in-the-europeana-digital-service-infrastructure/>

<http://www.photoconsortium.net/europeana-dsi2-aggregators-task-force/>

F & F

F & F supported the impact case study “Workers Underground” and is in charge with the analysis and evaluation of Transcribathon in Berlin.

Task 2.6. Publish Europeana Research

Subtask 2.6.1. Coordinating the Europeana Research Advisory Board

The Europeana Research Advisory Board keeps in regular contact via Basecamp, coordinated by the chair of the board, Prof Lorna Hughes (UoG). The board will meet for its 3rd Board Meeting since it was established in 2015 on 2 December 2016 in The Hague. The Board has been actively involved in the development of the grants programme.

Subtask 2.6.2 Improving (and surfacing) Europeana collections via Europeana Research.

This task has not yet started.

Subtask 2.6.3. Data sharing with third parties

CLARIN

CLARIN will work on making use of Europeana data through their research infrastructure and are exploring the Europeana corpus to extract the most relevant datasets.

Primary investigations regarding the harvestable data sets from the OAI providers of TEL and Europeana.

It was decided to proceed using the Europeana provider. A partial overlap between the selection of sets (produced during Europeana DSI-1) from TEL's sets and those offered by the Europeana provider has been identified and will be used for the first iteration of attempts to make Europeana data available and processable through the CLARIN infrastructure.

Europeana (unlike TEL) does not provide Dublin Core (which is already supported), therefore a conversion from EDM to CMDI will have to be implemented in order to present the provided data, which has the additional benefit of allowing for richer data presentation (for which reason a conversion was already envisioned).

Subtask 2.6.4 Research Community Engagement and Scholarly Outreach

Europeana Research launched its Grants Programme during the Europeana DSI-2 kick off in Vienna. The Grants programme is looking for individual research projects which make use of Europeana Collections for research purposes: employing state of the art tools and methods in the Digital Humanities to address a specific research question. The call for submissions has been extremely well received and we received expressions of interest from over 100 researchers about the call to date. Deadline for submissions is 20 October 2016. The Europeana Research Advisory Board will be instrumental in the assessment and grants awarding process.

AthenaRC

As part of the dissemination activity of AthenaRC/DCU has been co-running the Europeana Research Twitter handle, which now has over 1.200 followers. Finally, Agiatis Benardou from AthenaRC/DCU, alongside Prof. Lorna Hughes from the University of Glasgow, gave a successful presentation on Europeana Research at the Digital Humanities Congress in Sheffield last September.

One of the key responsibilities of the DCU team during the reporting period was setting up the Terms of reference and the Call for the Europeana Research Grants. The Call, which will be closed on October 20th 2016, has attracted over one hundred individual enquiries and, and has already received 20 proposals, achieving the KPI of 15.

Subtask 2.6.5 Research in user requirements towards the increase of exploitation and expansion of the use of Europeana Research

AthenaRC

AthenaRC started work on the first case study with the Pelagios/Recogito tool. Exploring the use of Europeana's Collections through this tool, developed to extract, annotate and verify geographic references in texts. The case study is expected to be completed in January 2017.

As part of DCU's responsibilities in the context of Europeana Research, DCU co-organized and participated in the Europeana Research Advisory Board meeting in June 2016. Around the same time, DCU started working on the first Case Study which will be exploring the use of Europeana Collections through the Pelagios/Recogito tool, a tool they developed in order to efficiently extract, annotate and verify geographic references in texts. This Case Study is expected to be completed by January 2017.

Subtask 2.6.6 Develop a network of research labs as a subgroup of the Europeana Network Association

This task has not started yet.

Subtask 2.6.7. Demonstrate exploitation of NeDiMAH Methods Ontology for the Digital Humanities (NeMO)

The case study mentioned under 2.6.5 with the Pelagios/Recogito tool is being structured around NeMO (the NeDiMAH methods ontology).

WP3 Re-user services

This work package serves to open the data provided by the Europeana platform (DSI) by improving and widening content distribution mechanisms to maximise the re-use of digital cultural content by developers and digital innovators. It will create value for data partners by connecting cultural heritage institutions to creative industries, smart cities and education.

Participants in this work package:

- Europeana Foundation
- AthenaRC
- EUN Partnership AISBL (EUN)
- Platoniq Sistema Cultural (Platoniq)
- European Association of History Educators (Euroclio)

The objectives of this work package are to:

- manage and build the Europeana Labs community with the aim of providing the best customer service to cultural heritage developers and digital innovators and developing strong relations with these communities (task 3.2).
- develop strong partnerships in the areas of education, creative industries and smart cities; in line with the Europeana Business Plan 2016 it aims to develop two new educational partnerships, during 2016 (task 3.3).
- develop growth services to support creative industries in building new products and services with Europeana platform data: it aims to support 4 new start-up projects (task 3.4).

Description of work carried out and achievements:

Task 3.1 Manage the work package

WP3 goals, deliverables, planned activities and timeline for achievement of the work package goals were discussed in more details with each WP3 partner in physical meetings and per email. The meetings included:

- Ludovia13, 23-26 August, Ax-les-Thermes (France) - EUROCLIO was part of the Europeana delegation
- Project meeting with EUN, 5 September, Brussels
- Europeana DSI2 kick-off meeting, 7-9 Sept, Vienna - discussions with Platoniq, ATHENARC and EUN (EUROCLIO representative didn't attend for health reasons)

An internal, one day meeting with all re-use team members will take place on 14 October to plan and coordinate in even more details all WP3 related activities (necessary adjustments in 2016 and focus on 2017).

Task 3.2. Build the Europeana Labs community of developers and digital innovators

We have continued building Europeana Labs community by enriching the content on Europeana Labs and building up the relations with our audiences of cultural heritage developers and digital innovators.

A series of three questionnaires have been created and prepared by AthenaRC in order to be sent out to: technology experts, domain experts, creative industries and other stakeholders. Furthermore, a study of existing marketplace technologies has been carried out.

Subtask 3.2.1. Publish Europeana Labs

During this reporting period, we have published on Europeana Labs:

- Three new datasets on the topics of art and fashion
- Four new applications using Europeana content
- Ongoing updates on the API documentation

Subtask 3.2.2. Investigate the inclusion of a marketplace for cultural heritage developers

This task has not started yet.

Subtask 3.2.3. Develop interactive relationships within the Europeana Labs community

We also promoted the Europeana Labs offer and maintained regular communication with our target audiences via all relevant channels. For this reporting period, we:

- Registered 4,970 Labs users on average per month
- Published two Europeana Labs newsletters (July and September), each reached ca. 3.000 subscribers
- Steady growth of @europeanalabs followers (registered 100 % increase)

Task 3.3. Develop partnerships for the re-use of digital cultural content

Subtask 3.3.1. Develop existing distribution partnerships in education

The first workshop within the small validation pilot with EUN will take place on 28-29 November in the Future Classroom in Brussels. The preparations have started and an open call for interested teachers has been issued. So far, France and Finland expressed interest in participation.

EUROCLIO

During this reporting period, EUROCLIO worked with Webtic to make a sitemap on Realltimeboard to get an overview of all the functionalities needed of the Historiana platform to deliver what is needed for the Europeana DSI2 project. EUROCLIO and Webtic also worked together on sketches and prototypes to enable users to create and edit eLearning Activities on Historiana. A core functionality is the eActivity Builder that allows users to use and combine different tools, as well as add basic functionalities to an eLearning Activity (such as adding a text or a question. Another core functionality is the Builder basket that can be used by users to store images that they would like to use to create their eLearning Activity.

EUROCLIO organised a meeting to get feedback from a core group of educators on the way the eActivity Builder should work based on the prototype. Overall, the educators liked both the simplicity and the fact that they could combine different types of tools.

In this period, EUROCLIO registered the hi.st domain to support the future sharing of eLearning Activities using this domain as a short link. The idea is that these short links can be used to invite students to an eLearning Activity, and also to share a eLearning Activity with educators who can then make a copy of the eLearning Activity that they can edit themselves, and can use to invite their own students. The hi.st domain is short for history and for Historiana and easy to remember and write up.

EUN

During Europeana DSI-2, EUN is coordinating a small validation pilot involving twenty teachers from across ten different European countries (one primary and one secondary level teacher per country). The teachers are being identified with the support of MoEs across the ten countries. The selected teachers will develop and test

pedagogical scenarios and learning activities that incorporate Europeana content, between November 2016 and May 2017.

The aim during this period was to prepare the groundwork for the twenty teachers to participate in the small validation pilot including two workshops and two pilot phases which will kick off in November 2016. The ground work was prepared for a number of tasks including:

- Criteria developed for the selection of teachers. Requirements set for teachers: from different curriculum areas; who are able to communicate in English; that have an interest in cultural content; are willing to share experiences and good practices; and have good internet connection both in school and at home.
- Preparation of a detailed memo with the information on Teachers' selection for the validation pilot (20 teachers to be identified in total) for the MoEs interested to have teachers from their country joining the project. The interested MoEs were offered two options for teachers' selection: 1) to nominate or identify the two teachers themselves (one primary / one secondary school teacher) OR 2) EUN to launch a call for interested teachers from their country, the MoE chooses from the list of applicants and sends to EUN the final list of teachers;
- Regular contact with MoEs in order to identify the most suitable teachers to work on the pilot phases; 7 out of 10 MoEs preferred to identify the teachers themselves and send to EUN the final list whereas 3 MoEs (from Finland, France and Hungary) have chosen the 2nd option;
- Launch the open call for teachers in Finland, France and Hungary to join Europeana DSI-2 pilot; the open call has been published through the EUN website, EUN social media, EUN Teachers' newsletter, Scientix website, Future Classroom Lab social media. The open call link has also been shared with the MoEs in the corresponding countries for a further dissemination to their network of teachers. The call for teachers has been sent out to the Europeana Coordinator in order to be included in the 1st Europeana DSI-2 newsletter.

Subtask 3.3.2. Investigate new distribution partnerships in education

Europeana was the guest of honour at [Ludovia13](#), a big educational summit on 23-26 August in South of France. The event was under the patronage of the French Ministry of Education and brought together 800 participants (educators, educational providers and policy makers). Europeana got great exposure to the French educational communities through sessions on each event day as well as at a dedicated stand. More on the event on <http://pro.europeana.eu/blogpost/merci-pour-tout-ludovia-13-encouraging-re-use-of-digital-cultural-heritage-for-education-in-france>

The event greatly contributed to deepening our partnership with the French Ministry of Education. A separate meeting between Europeana and ministry representatives was held on 26 September where new areas of collaboration were discussed (among them participating at other key educational event in France in 2016 and 2017, introduction to educational providers, etc.).

Also, Europeana became a key partner in [Tu Europeana](#) project. The aim of the project, coordinated by the [National Audiovisual Institute](#), is to raise awareness about Europeana and its collections in Poland and to introduce Europeana's potential to serve as a source of inspiration for Polish creators and educators.

In the area of education, a workshop presenting Europeana's reuse potential to teachers, educators and publishers of digital educational materials will take place on 21-22 October 2016 in Remikslab, Lublin. During the two-day workshop participants will learn how to use a range of tools for analogue and digital reuse of cultural archival content for education purposes.

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In discussion is also the launch of a faculty programme of Europeana re-use classes at the School of Form in Poznan (design school). Students will learn about Europeana learn how to use a range of tools for analogue and digital reuse of cultural archival content for education purposes.

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Subtask 3.3.3. Develop distribution partnerships with creative industries intermediaries

EF is forging and deepening the relationship with partners who are already working with the creative industries.

Subtask 3.3.4. Connect to Smart Cities initiatives

We followed up on the meeting with selected Smart Cities at the Major Cities of Europe conference in June in Florence and planned the next steps with the respective partners:

- A technical workshop with Europeana and representatives of Ministry of Culture of Hamburg and Fraunhofer Institute to discuss the possible workflow between Europeana and a cultural city network cloud.
- Participation at the Smart City World Expo Congress, 15 - 17 November in Barcelona - an internal workshop on 14 November, a roundtable on one of the event days and a workshop for interested Smart Cities following the roundtable.

Task 3.4. Develop and promote growth services based on the creative re-use of Europeana material

We launched the second Europeana challenge, this time on the topic of Fashion.

The competition runs on Europeana Labs till 31 October and has a prize fund of 20.000 EUR for the best ideas using digital fashion content. The winners will be evaluated by a jury of experts with industry experience and will be announced by 20 December 2016.

More on the challenge: <http://labs.europeana.eu/incubation/challenges/second-challenge-2016-fashion>

Europeana will be a key partner at [THE ARTS+](#) fair and conference. The event will take place between 19 and 23 October at the premises of the Frankfurt Book Fair and will focus on new business models for cultural and creative industries. Europeana will host the THE ARTS+ Lab, an interactive and interdisciplinary workshop space. Between 19 and 21 October, a team of 25 design students and experts will work to develop new products and services using Europeana Collections. The lab programme will start with a co-creation workshop led by the Spanish consulting company Platoniq, where students will experiment with Europeana data and prototype their best ideas. On the second day, experts will introduce participants to the relevant design thinking tools and help them develop viable business models for their pilots. The Europeana Labs experience will end with a pitching skills training session and project presentations to a jury of selected investors and finance consultants on the third day. The investor panel will evaluate the ideas and help with preparing for the next growth stages. The expert trainings and the investor forum are organised in cooperation with the pan-European investor network Media Deals.

Subtask 3.4.1. Pilot subcontracting

Platoniq

Platoniq disseminated the Europeana Fashion Challenge and the Europeana Research grants Programme.

Subtask 3.4.2. Co-creation services

Platoniq

Platoniq provided:

- Preparation for Frankfurt Book Fair co-creation workshop (agenda participant kit, Guidelines, datasets selection, Powerpoint)
- Announcement of Frankfurt Book Fair workshop in Platoniq's blog and social networks
- Updates of the co-creation materials on the wotify.eu platform
- Built a json API to connect wotify.co dashboard used to keep track of the prototypes co-designed in DSI1 and DSI2 co-creation workshops, with Wotify.eu pilots section
- Editing of Europeana Pilots Case studies for the wotify.eu case studies section

Subtask 3.4.3. Services around financial capacity building

Platoniq

Platoniq accomplished:

- MoMU's workshop report has been published on Europeana pro <http://pro.europeana.eu/blogpost/the-re-usable-fashion-museum>
- Following the reporting of the Workshop at MOMU, we have helped the MOMU team design a crowdfunding campaign (The Re-usable Fashion Museum), which will be published in the next months
- Matching Public and Private Funds with Crowd Donations to Preserve and Re-use Digital Heritage: The Case of Goteo. Article published on Europeana Pro and featured on Europeana network newsletter and a promo-video: (<https://vimeo.com/180870827>)
- Assessment of Spanish proposals for Europeana Fashion Challenge
- We have initiated a conversation with King Baudouin Foundation, based in Belgium, which manages philanthropic projects, options and instruments. These include practical ways of joint fundraising

WP 4: Policy and programme management

This work package is responsible for the full programme management of all projects related to Europeana DSI (including Europeana DSI-2). This allows Europeana to adequately act on the progress of the project. In line with the progress of the project and needs of the consortium and the Europeana Network, the work package maintains and develops policies (such the Europeana Publishing Framework, the Europeana Licensing Framework, and Europeana Impact Assessment Framework). Europeana continues to be involved in copyright reform where it affects or prevents cross-border access and re-use of digital heritage material or the digitisation of 20th century material and therefore its access. This work package aims to clarify and develop strategies, business models and policies for the further advancement of Europeana as a platform and access to European cultural heritage to achieve maximum impact.

Participants in this work package:

- Europeana Foundation
- Stichting Digitaal Erfgoed Nederland (DEN)
- Stichting Nederland Kennisland (KL)
- Österreichische Nationalbibliothek (ONB)
- Bibliothèque nationale de Luxembourg (BnL)
- James Lovegrove SPRL (Lovegrove)

The objectives of this work package are to:

- manage the full Europeana programme of projects with the aim of providing high-quality programme management and cross-project expertise sharing. (task 4.2)
- manage Europeana DSI as a project with 34 partners, to deliver the agreed outcomes of the project (subtask 4.2.1.)
- develop a mechanism to share knowledge on Europeana eco-system (and beyond) to influence current and new policies, as well as measure impact of Europeana DSI (task 4.3)
- develop (and manages implementation of), based on the outcomes of its previous objectives, cohesive policies for digital cultural heritage for the use of Europeana platforms material (task 4.4)
- further develop and implements Europeana's impact, publishing and licensing frameworks with the aim to maximise uptake of Europeana and catalyse the cultural heritage sector in Europe (task 4.5.).

Description of work carried out and achievements:

Task 4.1. Manage the work package

The work in the work package is on track and according to plan. All work package participants met at the Europeana DSI-2 kick-off in Vienna in September 2016. Because of the diversity of the work package, no additional work package meetings are planned; however, there are regular meetings planned between participants and the coordinator.

Task 4.2. Manage the Europeana programme of projects

Subtask 4.2.1. Europeana DSI-2 technical project coordination

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Under this task ONB and EF carried out the technical project coordination of the project: reporting, communication, administration of the project.

Subtask 4.2.2. Convening the Steering Committee of Europeana DSI

The Europeana DSI Steering Committee (the Europeana Foundation Board) met once during this reporting period: in Hilversum on 27 September. It discussed progress of the Europeana DSI-2 project, forecasts for finance and related matter.

Subtask 4.2.3. Manage Europeana DSI's programme of projects and subcontracts

The programme management consisted of project of management of Europeana DSI-2 (in relation with subtask 4.2.1) and the relations with the Europeana Sounds and Europeana Food&Drink-projects, as well as other projects the Europeana DSI is related to in its wider network.

Task 4.3. Improve knowledge sharing for Europeana Network Partners' and the cultural heritage sector

Subtask 4.3.1. Evaluate programme of projects that benefit Europeana's ecosystem

Work on this subtask has not started yet.

Subtask 4.3.2. Run an ENUMERATE survey on digitisation in Europe

DEN

DEN listed the requirements for a survey system and assessing multiple systems, analysed new topics and is formulating and reviewing new survey questions.

Task 4.4. Develop and maintain cohesive policies for digital cultural heritage in Europe

In order to schedule and plan our work in DSI-2 KL organised a half-day planning meeting in early July in Amsterdam together with the Europeana Foundation.

Subtask 4.4.1 Awareness raising of Europeana in coordination with the Commission

Lovegrove

A mapping exercise of relevant EU policy makers in the field of research, education, and creative sector (Europeana's target audience for re-use) has been initiated. This will be followed by an engagement plan with the objective to continue raising awareness of Europeana as a digital resource and look for opportunities of collaboration.

A meeting with the European Commission's policy makers on research infrastructure (unit B.4, DG RTD) has been set up in September together with the research network DARIAH. The purpose is to discuss how Europeana and DARIAH can deepen and improve their collaboration and how Europeana can serve as a true resource for DARIAH and its network of scholars and research institutions within digital humanities. Identification of concrete projects for collaboration is also on the agenda.

With regards to the request by Member States for more insight into Europeana in terms of statistics and use of resources, points for discussion has been established with the team, with focus on the content, format and distribution of country reports.

Subtask 4.4.2. Support, review and maintenance of open data policies

KL

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Kennisland has been working together with the National Library of Luxembourg to schedule the 5th Europeana Licensing workshop in Luxembourg city on the 24th and 25th November 2016. Here we will, amongst other things, discuss the rights statement infrastructure Europeana, Kennisland and the DPLA co-developed and is currently implementing: rightsstatements.org.

BnL

BnL is planning the MS4.4 5th Europeana Licensing workshop in M4 and found the location (Forum Da Vinci, Luxembourg City) and date (24&25.11.2016). In the process of producing final agenda and invitee list. Themes will be Copyright reform, registries and rights metadata (rightsstatements.org among them).

Subtask 4.4.3. Manage Europeana policy development on IPR and open data – coordinate the IPR working group

KL, EF

During the reporting period the European commission has presented its long awaited copyright reform proposals. Kennisland and Europeana have worked on analysing these proposals and have shared initial analysis with the network member through the IPR working group and the Europeana Pro blog. In addition, Europeana and Kennisland have at the request of the Europeana Foundation board prepared a discussion paper on future strategy in the field of IPR policy advocacy. This paper has been discussed during the EF board meeting on the 27th of September. Kennisland and Europeana have continued the efforts to coordinate with associations of library organizations active on the EU level (IFLA, EBLIDA, LIBER, CENL, Public Libraries 2020). As part of these coordination efforts Europeana will create to an event on open data and IPR on the 18th and 19th of september in the European Parliament.

Lovegrove

In relation to IPR, focus has been on reading and evaluating the impact of the European Commission's proposal on copyright issued on 14 September 2016. Communication with cultural heritage institutions in the network regarding their specific interest area has taken place. A meeting was held with the library community on 15 September to discuss the proposal and a more detailed analysis is underway. Once analysed more in detail, with identification parts of the proposed text where there is room for improvement in order to meet the needs of CHIs, a common approach for input to policymakers will be established aligning CHIs as much as possible around core issues.

Subtask 4.4.4. International standardisation of rights information

KL, EF

Europeana is currently in the process of updating its internal systems for use with the new rights statements. This process is expected to conclude in October 2016 at which point the old Europeana specific rights statements will be replaced by the new internationally standardized rights statements offered by rightsstatements.org

In addition Kennisland (Paul Keller) and Europeana Foundation (Jill Cousins) participated in a rightsstatements.org steering group meeting on 11 and 12 September in Boston, US. The purpose of the meeting was to define a governance structure for rightsstatements.org. This work will continue in the next period.

Kennisland and Europeana have also contributed to more extensive documentation for the rightsstatements.org website.

Subtask 4.4.5. Coordinate communication of copyright knowledge to the Europeana Network

KL, EF

In this task, Kennisland, together with the Europeana Foundation, has been working on improving communication and copyright knowledge of the Europeana network. We have been focusing on two specific aspects over the past three months, first: further developing concrete and practical training materials for Europeana DSI-2 partners, building on the materials developed in DSI-1. These materials consist of updated reusable sheets with clear instructions, three movies developed to support training in IPR in the areas of copyright for cultural heritage, the Europeana Licensing Framework and how Creative Commons legal tools can be applied by heritage institutions. Lastly we have been finalising an Europeana Rights Statements Game, that will serve as a tool for aggregators to engage with their aggregators on this subject in a playful way. The second aspect we have been working on is to organise and develop a IPR training session alongside the Aggregator Forum in early October in Frankfurt. Here we will actively involve partners in these new tools to communicate about copyright.

Subtask 4.4.6. Explore IPR implications of alternative data acquisition mechanisms such as crawling and indexing

This task is co-dependent on the developments of 'Operation Direct.' At the moment it is not clear yet in which direction this operation will take Europeana. We have postponed the beginning of this task until the Europeana Annual General Meeting in early November, as we expect we have enough clarity by then to investigate the IPR implications of the alternative data acquisition Operation Direct will propose.

Task 4.5. Further develop and implement Europeana's impact assessment framework, business plans and strategy

Subtask 4.5.1. Manage the ENUMERATE Observatory

DEN

DEN is working on publishing guidelines for analysing and publishing other datasets and sources on the indicator pages, on the development of new indicator pages, creating an ENUMERATE group library on Zotero and on the migration of raw data sets from the data platform to the current observatory.

Subtask 4.5.2. Implement Europeana DSI's Impact Assessment Framework

Europeana published a case-study on Impact of the Europeana 1914-1918 project (Workers Underground in September of 2016 on Europeana Pro. The case-study details the impact of Europeana 1914-1918-project and describes it in 3 areas with 5 perspectives (lenses). This is the first implementation of the Europeana Impact Assessment Framework that is developed under Europeana DSI-1.

Subtask 4.5.3. Develop Europeana Business Plan 2017

All Europeana work package leaders met in Oegstgeest in September 2016 to discuss the plans for 2017. The discussion was based on the work in the Europeana Strategy work group that directed the Europeana work package leader to revise the Europeana strategy. The result will be discussed at the AGM in Riga in November and a new business plan will be delivered to the Network by January 2017.

Work package 5: Network, events and sustainability

This work package covers the activities of the Europeana Network Association members who give time and expertise voluntarily to achieve the strategy of Europeana and to strengthen the role of cultural heritage in our society. As well as running and contributing to Europeana task forces, members of the Association disseminate the work and objectives of Europeana DSI. In 2016 and 2017 a major objective for the Association is to help ensure the long-term sustainability of Europeana through increasing public awareness and use. This will add to the goal of a strengthened Europeana ecosystem. Sustainability of Europeana comes from use and willingness to fund its existence.

Participants in this work package:

- Europeana Foundation
- Latvijas Nacionālās bibliotēkas - Latvian National Library (LNB)

Specifically, the work package:

- coordinates the Europeana Network Association with secretarial services for its governance, task forces, working groups, campaigns and regular meetings
- to 8 Network Task Forces set up to allow Network Association members to take on specific subjects or areas of common interest and complying with Europeana's Strategy 2015-2020
- a new election campaign to appoint new Councillors on the Members Council; we target a 45% participation of the Network Association members
- manages and publishes Europeana Pro as the platform that supports all professional knowledge on Europeana DSI, its programme of projects and Network
- organises and prepares the Europeana Network Association Annual General Meeting (AGM) and other plenary events
- further aids the sustainability of Europeana by working with the Europeana Foundation Governing Board on its sustainability plan, in collaboration with the MSEG, the Europeana Network Association members the European Commission and aligned with The Netherlands Presidency Council conclusions.

Description of work carried out and achievements:

Task 5.1. Manage the work package (EF)

WP management is going according to plan.

Task 5.2. Nurturing and coordinating Europeana Network Association development and contribution (EF)

A lot of work has gone into preparing the AGM and Elections 2016 with the Management Board, Elections/Voting Committee and Members Council dedicated Working Groups.

Subtask 5.2.1. Driving Europeana Network Association secretariat

During the reporting period, we organised 3 Management Board meetings. Minutes and actions of those meetings are available on the following page on Europeana Pro page: <http://pro.europeana.eu/our-network/network-association-newsletters>

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The [2nd physical meeting of the Members Council](#) in Vienna was organised during the previous reporting period. However, the [reporting blog](#) was published in July 2016.

Subtask 5.2.2. Coordinating task forces and working groups

[Task Forces](#) and [Working Groups](#) overview are being kept up-to-date. The current active Task Force entitled “Audiovisual Media in Europeana” and lead by Erwin Verbruggen met virtually several times and will deliver their interim report in November 2016.

Several Working Groups have been very active during the reporting period:

The [Voting/Elections Working Group](#) lead by Joke van der Leeuw-Roord & Rolf Källman have prepared the Voting requirements for the elections 2016. Those were communicated in September and October through the various dedicated channels (network newsletter, specific mailchimp campaigns , Europeana Pro blogs, LinkedIn and Twitter).

The [AGM Working Group](#) lead by Uldis Zarins and Johan Oomen has been very active in preparing the [AGM Agenda and identifying the appropriate speakers](#). Here again, the WG outcomes were further communicated in September and October through the various dedicated channels (network newsletter, specific mailchimp campaigns, Europeana Pro blogs, LinkedIn and Twitter).

EF coordinated the work processed by the above working groups and set-up the communications plan for both the [Elections 2016](#) and [AGM 2016](#).

The [Copyright Working Group](#) lead by Paul Keller has been ongoingly active and published the [Rightsstatements.org factsheet](#) in July 2016. The WG published several blogs including: [Publishing a joint position with libraries on copyright reform](#) in July 2016, [Copyright reform: a first look at the Commission's plans for cultural heritage institutions in September 2016](#) and [A better solution to making out of commerce works available online](#) in September 2016.

The #AllezCulture Working Group published a summary of the work done through the following [blog](#). Outcomes were impressive; people from 37 countries around the world have been sharing their heroines and heroes of cultural heritage, using the phrase ‘I am @Europeanaeu’ and the tag #AllezCulture. 2,500 tweets were sent out, reaching almost 1,000,000 people.

Subtask 5.2.3. Coordinating Members Council campaigns

Most of the Members Council campaigns during the reporting period focused on AGM and Elections. Here are the main published blogs:

Call for Councillors candidacy: [Come forward and become a Members Council 2016 candidate](#)

Call for AGM participation and programme: [“Show us what you've got” – The AGM Programme unveiled](#)

Task 5.3. Managing and publishing Europeana Pro website

Europeana Pro site was instrumental in the dissemination efforts of the Association. To better monitor Pro development, a [Europeana Pro Working Group](#) was set-up chaired by Aubéry Escande. The purpose of the WG is to identify business needs and priorities with relevant stakeholders and communities. The WG participated in an in-depth survey evaluation of Europeana Pro and will be instrumental in the re-development of Pro scheduled in February 2017 through consultation and feedback.

Task 5.4 Coordinating and facilitating Network & Community building events

Subtask 5.4.1 Prepare and organise the Annual General Meeting 2016 and 2017

During the reporting period LNB has been working with EF and ENA (AGM Programme Committee) to prepare for the Annual General Meeting of Europeana Network Association. Virtual meetings are taking place on regular basis to discuss AGM agenda and the facilities and technical support necessary to accommodate it. LNB has secured the availability of hotels for the guests of AGM, secured the venue for the social event, coordinated with providers of catering services, and started preparation of information package for guests of the event.

Subtask 5.4.2. Prepare Europeana Plenary event

Work to be tackled in the next reporting period.

Subtask 5.4.3. Organise EU Presidency parallel meetings or events and publish results

The work done under the Luxembourg Presidency of the EU on the role of Cultural Heritage in Smart Cities was published in the summer (July 2016). This work, from national policy makers from culture, tourism and city planning, links the importance of each person's identity, to their community and its culture and promotes the idea of cultural heritage as a pillar of the Smart City. [Europeana for Smart Cities - a visual report](#)

During the Netherlands' Presidency, EF and Koninklijke Bibliotheek (January 2016 - June 2016). organise and event to revisit the [Research recommendations](#) designed in July 2014, evaluate their implementation level and project the next major milestones for a concrete forward development. The event entitled "[Digital heritage - Current questions in Policy & Research opportunities](#)" was organised in the premises of the National Library of the Netherlands in The Hague on April 25-26, 2016. As we move away from the pilot stage of [Europeana Research](#), we developed an updated and streamlined set of recommendations for action.

Those are:

- implementing more digitisation of cultural heritage,
- enforcing copyright reform to make best use of the public investment in digitisation and
- advocacy on benefits of Digital Humanities Research for Society.

The recommendations are now available on the [Europeana for research visual report](#) that we will be circulating from October 2016 onwards.

Task 5.5. Broaden Europeana's sustainability structure

Following the [Council Conclusions](#) publication in June 2016, Paul Keller - Treasurer of Europeana Network Association - and Jill Cousins - Executive Director of Europeana Foundation - published 2 blogs detailing the implications for Europeana.

- [Good news \(and some homework\) for Europeana](#)
- [Owning our position](#)

A realignment of Europeana Strategy is currently being designed by a Europeana Governing Board Task Force. The outcome and implementation will support Objective 7: Achieve long-term funding of Europeana DSI..

Work package 6: Development

The goal of this work package is to maintain and develop products to support the business in providing services for our data partners, end-users, re-users, researchers, the Europeana Association Network members and other professionals in the European Cultural heritage sector. Its development scope encompasses both short-term needs as well as more experimental developments that may not result in working product within the timeframe of Europeana DSI-2.

Participants in this work package:

- Europeana Foundation
- Netherlands Institute for Sound and Vision NISV
- Österreichische Nationalbibliothek (ONB)
- Instituto de Engenharia de Sistemas e Computadores Investigação e Desenvolvimento em Lisboa (INESC-ID)
- University of Sheffield (USFD)
- AIT Austrian Institute of Technology (AIT)
- Instytut Chemii Bioorganicznej PAN - Poznan Supercomputing and Networking Center (PSNC)
- Humboldt-Universität zu Berlin (HUMBOLDT)
- Semantika d.o.o. (SEMANTIKA)

Specifically, the work package:

- Designs and develops a new and improved set of data ingestion workflows, services and tools
- Improves the Europeana search engine and better monitors the quality of the metadata it builds upon
- Improves and extends the data interoperability framework and EDM
- Incrementally improves and extends public APIs for search, retrieval and user contributions
- Innovates data publication on Europeana
- Improves and extends the Europeana Collections platform and the user experience of the sites (general Collections, thematic collections) built on it
- Maintains and improves the Europeana Statistics Dashboard
- Maintains, develops and consolidates the community sites Pro, Labs and Research
- Coordinates the EuropeanaTech community and activities

Description of work carried out and achievements:

Given the starting time of Europeana DSI-2 the quarter has been dominated by product planning (incl. UX design and technical design) and setting up work processes. It is too soon to evaluate progress against Work Package objectives.

6.1 Manage the work package

In Q1 we have focused on product planning. A draft release roadmap covering all products has been created.

6.2. Design and develop a new and improved set of data processing services

PSNC has worked on development activities for a new set of improved data processing services and the implementation of revision and tags.

Subtask 6.2.1. Requirements analyses and user research

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The user research started in Europeana DSI-1 and was and will continue to be pursued (see WP1 Subtask 1.2.1). The first UI designs were produced for the Metis mapping tool.

Subtask 6.2.2. Technical design and development of data processing services

A product release roadmap has been outlined and a second version of the Technical Design plan has been published. All Europeana services developed were moved to the main Europeana Github repository; continuous integration and Git flow were set up.

An alpha version of the Europeana Collections preview service was developed.

Subtask 6.2.3. Improve and adapt LoCloud Collections

A product release roadmap for LoCloud Collections has been outlined.

Subtask 6.2.4. Maintenance of existing data ingestion tools and services

Bug fixes were done when needed, to support ingestion of data.

6.3. Develop, improve and extend public APIs

Several new releases for the Search and Annotations API were released. The Entity API initiated in Europeana DSI-1 has seen further development and will be published in alpha soon.

Subtask 6.3.1 Maintain and integrate existing APIs

We published a new API console based on [Swagger](#) and Added support for [SSL](#) in the Europeana API.

Subtask 6.3.2. Improve and extend the coverage of the Entity API

Implementation of the entity API has not started for the subtask but a strategy for curating and extending our entity collection is being worked on (to be delivered in November 2016).

AIT

AIT is collaborating with the Europeana Sounds project for development of first release for Entity API and preparing development workspace.

Subtask 6.3.3. Improve the Annotations API

We added support for geo-tagging and updated the specifications in line with the latest [W3C Web Annotation Model](#).

Subtask 6.3.4. Develop image discovery services

AIT is performing the preliminary research on available solutions for development of image discovery services and preliminary discussions on the scope of MS6.9: Advanced image discovery plan.

Subtask 6.3.5. Develop a user content contribution service

Nothing to report as the sub-task has not been initiated.

Subtask 6.3.6 Improve the Newspapers API

INESC-ID

A draft release roadmap has been created but needs to be reviewed before being finalised.

INESC-ID is performing discussion of the planning and release roadmap for the future Newspaper API.

Subtask 6.3.7. Improve APIs management

Nothing to report as the sub-task has not been initiated.

6.4. Improve and extend the Europeana Collections platform

We further enhanced the user experience with improved facets, a richer media experience and an improved (multilingual) search & browse experience.

Subtask 6.4.1. UX research, design and evaluation

We ran a user satisfaction survey to assess/meet KPI of '60% of users will rate their use of Europeana satisfactory or above', which was met during the period this survey ran (for 3 weeks, 1155 participants).

We hosted a workshop and worked on an iteration of the item display information architecture and design, to work towards an improved item display design as there will be lot more information to be added.

Also, we hosted a workshop to assess the need for and desired structure of an alternate version of a thematic landing page with a bigger emphasis on browser rather than search.

We conducted an A/B test to assess whether tooltips work as a way to inform users about certain new features such as the grid display. This test concluded with the conclusion that tooltips do work for this purpose.

We started a user test with an online prototype for an autosuggest functionality in Europeana to assess quality of data and responsiveness of the software.

Subtask 6.4.2. Maintain and develop Europeana Collections components and features

Improved the following components and features:

- Multi-lingual browsing: users will automatically be redirected to Europeana Collections in their own language.
- Improved the visual design of the different landing pages.
- Improved the filtering experience: expandable and collapsable facets.
- Extended coverage for images which are available via [IIIF](#), tens of thousands of records are now shown via IIIF.

Subtask 6.4.3. Develop custom features for three new thematic collections

Started development for custom features for the thematic Fashion collections:

- Support for contextual facets for fashion items: designer, technique, material, colours and item type.
- Support for a date facet, allowing users to filter and browse by date.
- Improved social media integration: Tumblr sharing, Pinterest sharing and a feed of Tumblr items on the landing page.

Development of custom features for other thematic collections hasn't started yet.

6.5. Consolidate and incrementally improve the community sites Europeana Pro, Europeana Labs and Europeana Research

The redesign of the new site started and will be finished by end of October. We also started working on grouping and structuring the information on the site to make things more findable. A workshop will take place mid-October to decide on the final information architecture.

Subtask 6.5.1. Maintain and perform minor feature developments of the Pro, Labs and Research sites and underlying software

We have a service level agreement for 24 hours a month to maintain the current sites. In this period we have mostly done some bugs fixes.

Subtask 6.5.2. Begin the implementation of COPE across Pro, Labs and Research

The technical implementation started. The databases from the three sites are merged into one. Content types are being developed.

6.6. Improve and maintain the Europeana Statistics Dashboard

Nothing to report on development as that part of the sub-task has not been initiated.

6.7. Coordinate the EuropeanaTech community and activities

NISV attended the workshop of the Perio.do project; the research team presented on the work of the Task Force on Evaluation and Enrichment at the TPDL conference and the work on aligning music vocabularies at NKOS workshop

NISV has coordinated the submission and writing of a journal entry for the Digital Humanities journal and prepared FLOSS engagement as part of the forthcoming IIF Event in October.

6.8. Improve (multilingual) search and metadata quality

HUMBOLDT

HUMBOLDT is leading the “Subtask 6.8.2 Measure and enhance multilingual performance”. They defined measures for the degree of multilinguality in Europeana system and metadata, for the multilingual saturation of metadata and contributing to the evaluation of processes that contribute to multilingual features. HUMBOLDT attended the first meeting (Sept. 1, The Hague) for aggregating results of this subtask with overall goal for establishing an evaluation framework. First draft of measures for multilingual saturation of data based on completeness measures of metadata have been determined. HUMBOLDT worked on quantifying these measures across the Europeana collection in collaboration with the Péter Kiraly who designed the Quality Assurance Framework and performed the qualitative analysis of Europeana’s metadata regarding multilingual saturation. The first draft of concept for impact measures for multilingual features and the document for criteria for logging multilingual activities have been prepared.

Subtask 6.8.1. Improve Europeana search

The first iteration of improved logging to support machine-learning of field weightings has been implemented.

The web application (MLTFiddle) supporting exploration of MoreLikeThis weighting has been stabilised and improved.

A roadmap and general technical approach for setting up a trial of the Peripleo search interface with Europeana data has been outlined.

We have been reviewing general models or frameworks for evaluation that can be used within Europeana more generally (e.g., Delone and McLean’s IS Model of Success, the Triptych Interaction Framework model for DLs and the Robert Taylor Model of Value-Add, which has been refined as the TEDS Model). This will help to provide a framework in which to situate various evaluation activities within Europeana, such as the user studies, the evaluation of Europeana components (e.g. search capabilities), the metadata quality work and more project success activities. We are collating a list of Europeana components that can be used to carry out a more Taylor-esque review of the value-add of features that have been developed within Europeana and can be seen to benefit the end user.

Subtask 6.8.2. Measure and enhance multilingual performance

- A first draft of measures for multilingual saturation of data based on completeness measures of metadata was created and distributed among the members of the data quality committee for feedback

- Started to work on quantifying these measures across the Europeana collection in collaboration with the Péter Kiraly who designed the Quality Assurance Framework
- First discussions on evaluating and quantifying the language crossings by users of Europeana
- Alpha implementation of the Entity Collection provides strong multilingual support

Subtask 6.8.3. Facilitate efforts for enhancing data quality

There are ongoing activities of Data Quality Committee on usage scenarios, quality dimensions and measures for metadata. Discussions on a curation strategy for the Entity Collection and using natural language processing tools for data enhancement, incl. a discussion with the FREME project. Discussion of requirements regarding data normalization for the Europeana dataset and Metis. Discussion of technical frameworks and processes for data normalization and data problem reporting

INESC-ID

INESC-ID participated in the activities of the Data Quality Committee and performed discussions on using natural language processing tools for data enhancement. They also participated in the identification of requirements regarding data normalization for the Europeana dataset and METIS.

6.9. Innovate data interoperability and exchange for Europeana

Subtask 6.9.1. EDM development

We have refreshed our EDM roadmap. Work has continued on the EDM profile for annotations, organizations, IIIF services and new ways for validating EDM metadata.

Subtask 6.9.2. Explore and promote novel (IIIF-based) content publication means

As part of this subtask we prepared hosting the next IIIF Technical Working Group in The Hague. In addition, we monitored implementation of harvesting IIIF datasets in Europeana.

Subtask 6.9.3. Linked Data and alternative data acquisition mechanisms

- Shifting from Ontotext's proprietary hosting of Europeana triple store to own open source installation.
- Two case studies on data acquisition, via SiteMaps and IIIF, were started with University College Dublin and the National Library of Wales.
- Preliminary research for the identification of potential technologies for data acquisition

INESC-ID

Two case studies on data acquisition, via SiteMaps and IIIF, were started by INESC-ID with University College Dublin and the National Library of Wales. Preliminary research for the identification of potential technologies for data acquisition.

6.10. Prototype innovative technologies to empower collection owners to publish collections via the Europeana platform services

EF and Semantiks are developing prototypes to test the three innovative approaches, suggested during the research phase:

- Read-Write API for the Europeana platform
- Self-service harvesting solution for standard content publishing protocols (OAI-PMH, REST API, IIIF)
- Direct publishing from institutional Content Management Systems

The results of the work is being reported on the designated [information page](#) on Europeana Pro. Several actual Direct implementations in different organizations (APE - Archives, several OAI-PMH implementations, Galis/Semantika CMS, Qulto CMS, ...) are currently in operation.

Work package 7: Technical infrastructure

This work package is responsible for the continuous maintenance and development of the technical infrastructure of the Europeana DSI. The Europeana DSI is becoming a full-fledged technology and business platform offering online products and services to various user communities. In that light, the overall goal of this work package is to design and develop new and adjust existing components of the platform to support this change as well as maintaining existing systems.

Participants in this work package:

- Europeana Foundation (EF)
- Poznan Supercomputing and Networking Center (PSNC)

Specifically, the work package is to:

- Ensure availability and stability of all Europeana systems and products
- Harmonise, document and communicate the system architecture of Europeana's platform
- Streamline operations of the Europeana DSI platform
- Support development teams with DevOps services
- Develop the infrastructure data layer

Description of work carried out and achievements:

7.1. Manage the work package

All the tasks within the WP is going as expected with no considerable deviations. The contracts are monitored and when action necessary to renew or check for alternatives are being performed. Always looking for alternatives keeps us on top of our providers in such a way that it gives Europeana a good position to negotiate for the best alternative while supporting objectives from 2017 Business Plan.

A complete list of Europeana server and configurations are made available in a [spreadsheet](#)

7.2. Maintain all Europeana systems and products to ensure that they are available and stable

Maintaining the subcontracts and making sure that all systems are available and stable is the main objective here. Maintaining the subcontracts and follow up when needed is ongoing process. When and where applicable an attempt is made to verify the contract value and if possible enforce a discount/better price for EF, which is now the case for subcontractor Neo Technologies providing Neo4J High Availability support, making sure EF data is never "lost". Here below are some statistics over Availability and response time of Services during this report.

In addition a new security policy has been applied which manages access to backend systems more securely. to achieve this servers has been armed with firewalls, which in-turn only accepts connection from VPN and the europeana front end systems.

On September 29th API search functionality went down due to out of memory problem of Neo4J, which in turn is responsible of the hierarchies for our graph database. Since it happened in the middle of the night we were unavailable for 6 hours.

PSNC

Maintenance of test and production environments of eCloud services platform located in PSNC data center inclusive operations support has been provided by PSNC cloud infrastructure team.

Image Service related developments:

- Implementation of JPEG to JPEG2000 conversion in Data Processing Service
- Created Image Server user documentation, rest of documentation was reviewed and adjusted.
- Performance related changes in s3fs.

Data Processing Service related developments:

- Performance tests
- refactoring and improvements (e.g. refactoring of XSLT topology, batch requests support in Metadata & Content Service implemented. Usage of those implemented in Data Processing Service)

The overall uptime is conform the KPI. Here below are some statistics over Availability and response time of Services during this report.

Europeana API (Aug 2016)

Europeana API

Recent

History



Last checked

09/30/2016 02:06:56PM

Uptime this month

99.49%

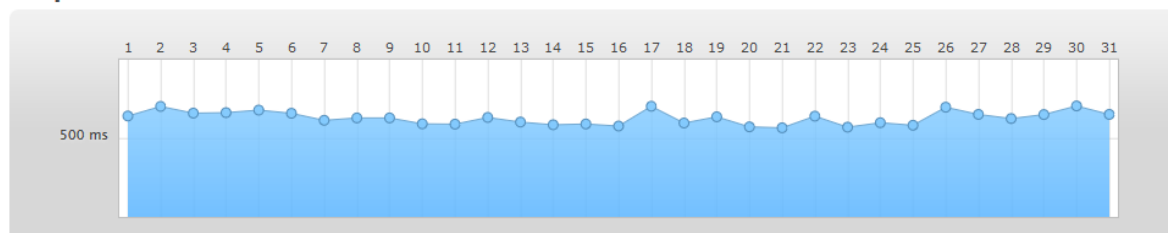
Avg. resp. time this month

628 ms

Check type: HTTP

Check resolution: 1 minutes

Response Time



Average performance per day for the selected month.

Europeana Collections (Aug 2016)

Europeana Collections

Recent

History



Last checked

09/30/2016 01:59:10PM

Uptime this month

99.55%

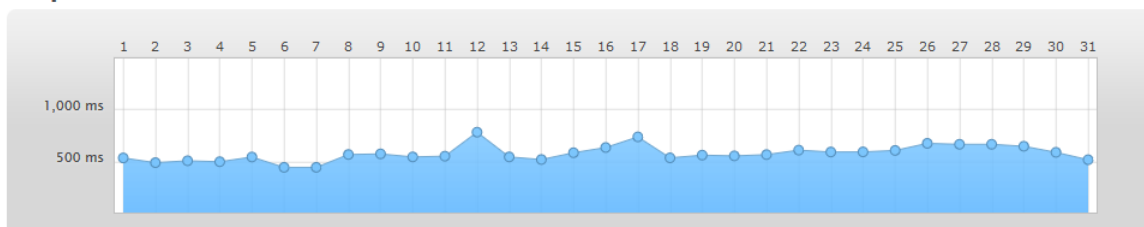
Avg. resp. time this month

576 ms

Check type: HTTP

Check resolution: 1 minutes

Response Time




Average performance per day for the selected month.

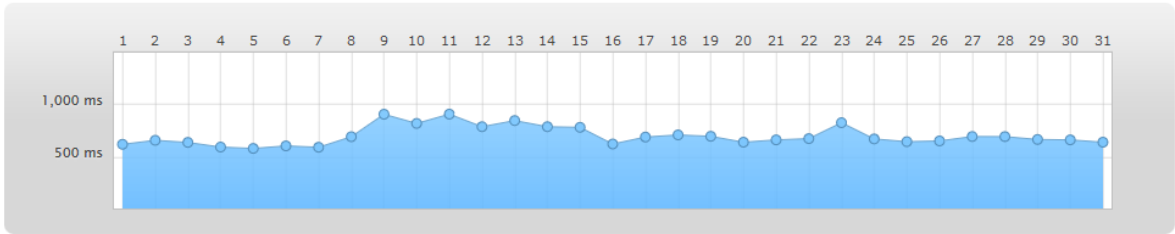
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Europeana API (Jul 2016)

Europeana API Recent History

 Last checked 09/30/2016 01:50:56PM	Uptime this month 99.81%	Avg. resp. time this month 698 ms	Check type: HTTP Check resolution: 1 minutes
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Response Time



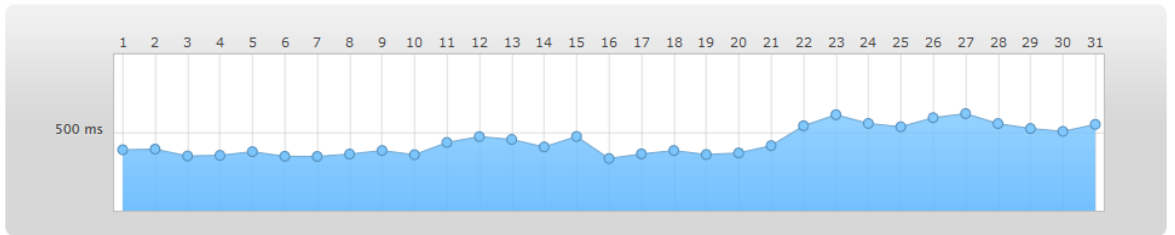
Average performance per day for the selected month.

Europeana Collections (Jul 2016)

Europeana Collections Recent History

 Last checked 09/30/2016 01:56:10PM	Uptime this month 99.80%	Avg. resp. time this month 452 ms	Check type: HTTP Check resolution: 1 minutes
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Response Time



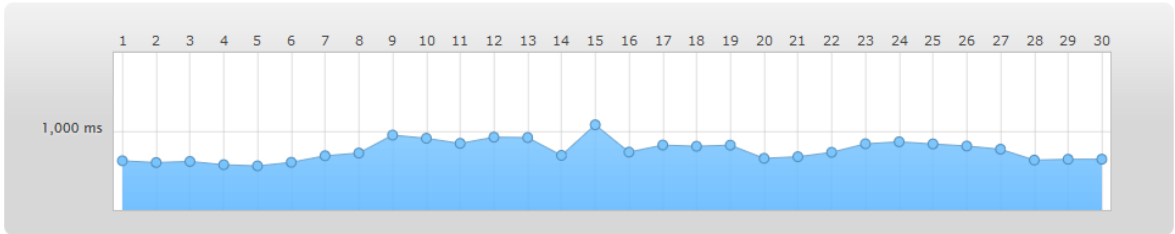
Average performance per day for the selected month.

Europeana API (Aug 2016)

Europeana API Recent History

 Last checked 09/30/2016 02:06:56PM	Uptime this month 99.49%	Avg. resp. time this month 628 ms	Check type: HTTP Check resolution: 1 minutes
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Response Time



Average performance per day for the selected month.

Europeana Collections (Aug 2016)

Europeana Collections

Recent

History



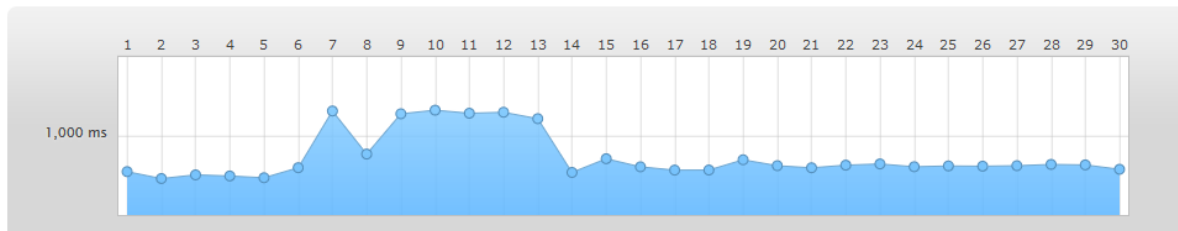
Last checked
09/30/2016 01:59:10PM

Uptime this month
99.55%

Avg. resp. time this month
576 ms

Check type: HTTP
Check resolution: 1 minutes

Response Time



Average performance per day for the selected month.

7.3. Harmonise, document and communicate the system architecture of Europeana's platform

[3-2-1 Strategy](#) is being used for backup strategy of all critical data. Upon the Failover of last Provider ([AnyNines](#)) a complete critical strategy is revised and is in place

Using tools such as [Pingdom](#) to stay on top of availability of all systems and components running within Europeana environments.

For simplicity and maintainability of system architecture, 14 servers were migrated from several environments into one backend environment ([Hetzner](#)).

PSNC

Implementation of automated health checks for eCloud platform using NAGIOS (installation and configuration of needed software, implementation of health checks and custom plugins) has been provided by PSNC. [Nagios](#) monitoring solution has been added to detect performance anomalies and new relic for measuring user experience in the front end systems.

7.4. Streamline operations of the Europeana DSI platform

The DevOps progress by implementing automated jobs to make development life cycle faster and reliable.

Upon a change request or new functionality, a Developer makes code change or implements new code, upon a commit on the GitHub. Jenkins is automatically triggered to deploy in the test environment. In addition to automated tests, manual tests are performed by Tester. Tester manually triggers a deploy to acceptance environment for Product Owner to perform the acceptance test. Again a manual triggering action deploys the code to production environment.

Further automated scripts has been made to deploy server-setups with one click to any desired environment.

7.5. Support development teams with DevOps services

[Central logging](#) has been developed to make access to loggings from different components easy.

The advantage of using Centralised logging now is that debugging the front end is rather a difficult task. It is not easy to see what has been going wrong as all the apps were producing millions of log records per day. Centralised logging removes this obstacle and saves developer search time (through filters) for the problem. The problem is

now easier to reach and faster to fix. For the backend it is different since the problem of backend is the access to the log files of the backend system. A request need to be made for access and wait for the log file to become available. Centralised logging provides these privileges so that the developer can easier find the problem and make an earlier attempt to solve the problem which in turn is the aim of DevOps. To be able to shorten development lifecycle.

Via <http://statistics.europeana.eu/europeana> on API usage are communicated to our providers, stakeholders.

7.6. Develop the infrastructure data layer

PSNC

PSNC is building the cloud with direct involvement of Europeana developers. Developers of Cloud PSNC will be at Europeana in the first half of October to streamline the activities to be done with products Metis (Europeana) and the infrastructure component being developed by PSNC.

Work package 8: Promotion and communication

The objectives of this Work Package are to position Europeana as a catalyst and an innovator in the field of cultural heritage, and to support promotion and communication towards the target audiences of the end-user, re-user and professional services, and the individual products and services they manage from Europeana Collections (including the thematic collections) to Europeana Labs and Pro. This will allow for a stronger Europeana ecosystem as well as increased use of Europeana.

Participants in this work package:

- Europeana Foundation (EF)
- European Museum Academy (EMA)

This work package is specifically responsible for:

- Supporting the strategic positioning of Europeana as a digital service infrastructure for cultural heritage in Europe. It will support Europeana DSI in realising its key objectives by fostering active involvement of stakeholders, such as data partners, the European Commission, Member States, and the general public
- Running the Awards programme with Heritage in Motion
- Promotion of end-user services promotion (Europeana Collections, Thematic Collections and Europeana Research)
- Promotion & Communication of Europeana re-user services (especially Europeana Labs and Europeana Research)
- Promotion & Communication of Europeana Professional services
- One overarching yearly European thematic campaign. In 2016 this will be Europeana Art History 280, The theme for 2017 depends on the 2017 Business Plan focus

Description of work carried out and achievements:

8.1. Manage the work package

The WP-management is going according to plan.

8.2. Manage the strategic positioning of Europeana

The work on this task has not started yet, since we are awaiting a revised Europeana strategy that will inform the work on this subtask.

8.3. Run the Partnership in Awards programme

The work on this task has not yet started.

8.4. Europeana end-user services promotion & awareness raising (Europeana Collections, Thematic Collections and Europeana Research)

Efforts focused on online promotion and social media engagement:

In July a new blog series was introduced, entitled “Maggy’s picks”, to promote high-quality new content ingested in Europeana. In response to user feedback, the Europeana 1914-1918 newsletter was made available in July in

three languages in order to facilitate the engagement of the First World War community with Europeana 1914-1918.

In August user engagement on Europeana Music, was boosted through a published blog post series on Scottish and Irish folk music and supporting social media activity; the posts received up to 945 Facebook likes.

Over the reporting period trending events and hashtags such as #BacktoSchool, #WorldPhotoDay, #OlympicGames, #NationalBookLoversDay were adopted on social media to present Europeana content in a context.

Lovegrove

Helena Lovegrove will be assisting at Europeana's participation at the exhibition organised by PublicLibraries2020 during the EU coding week 18-20 October in the European Parliament.

Subtask 8.4.1. Develop Europeana end-user services promotion & awareness raising plan

8.5. Promotion and awareness raising of Europeana Re-user services (especially Europeana Labs)

Events and social media campaigns were used to spotlight re-use of Europeana content in Education:

In August Europeana was a guest of honour at the 13th edition (23 to 26 August) of Ludovia Summer University in Aix-les-Thermes, France, attended by more than 800 French teachers and educators interested in the use of technology and digital content in classrooms. Europeana actively participated in and contributed to a number of items on the programme, including presentations of Europeana Labs and Historiana and sharing our products and tools with the audience, such as the Europeana 1914-1918 iTunes U course and the new Europeana Transcribe tool.

In August a promotional campaign was run to support the launch of a children's educational game (five-to-ten-year olds) built upon artworks from Europeana Art Collections. The game was developed by Italian start-up 'Art Stories', winner of a creative challenge encouraging start-ups to develop products using Europeana content. The campaign included blog posts featuring an interview with the creators, and a post explaining the way the app works and including the testimonial of an 8-year old user.

8.6. Promotion and awareness raising of Europeana Pro services

The work on this task has not started yet.

8.7. Run an overarching European thematic campaign

The Europeana 280 campaign continued through online exhibitions, events, and social media and online activity:

Over the reporting period, Country of the Week and Hero images for the Art history collections page were published on the Europeana Art Collections site from 11 different countries that contributed artworks to Europeana 280. Facebook was also used to promote each country and the chosen hero image. Contributing institutions were informed in advance to allow them to promote this activity through their own channels.

Public engagement on Facebook was encouraged through a public vote for their favourite Europeana 280 images: four images a month relating to one theme. The institutions whose works were selected were informed in advance that their works featured in the voting so that they could promote it via their own channels and to their own communities.

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The *'Faces of Europe'* exhibition continued from 19 July to 20 November with three more chapters: *'Academic art and new directions'*, *'Painting modern lives'*, and *'Towards abstraction'*. The institutions again were informed which of their works were included in these chapters. The chapters were also promoted on Facebook and Twitter.

A further #JumpingJacks event was held as part of the Europeana 280 campaign on the 26th of August at SMK (National Gallery of Denmark). A Facebook page was created for the event and it was also promoted through Twitter.

Institutional engagement was encouraged via a blogpost written by Merete Sanderhoff of SMK on why they decided to participate in #JumpingJacks.

Work package 9: Financial and HR management

Europeana DSI-2 needs people and resources including a physical work environment. This work package is designed to manage these resources and to control finance in terms of budget and reporting and the full compliance of the project with EU regulations. As the core project Europeana DSI-2 also manages all the other contributing projects and subcontracts.

Participants in this work package:

- Europeana Foundation (EF)
- Poznan Supercomputing and Networking Center (PSNC)¹

This work package is in place to deliver

- Human Resource legal employment and Management
- Financial control, and reporting of Europeana DSI-2 and other EU projects and subcontracts
- Financial management of Europeana DSI
- Business support

Description of work carried out and achievements:

9.1. Manage the work package

The work package is managed in close collaboration with WP4, Europeana Directors and all partners in the project.

9.2. Human Resource legal employment and management

HR is performed as usual.

9.3. Financial control, coordination and reporting of Europeana DSI-2

In close collaboration with Programme Management and project coordination (see also task 4.2) a communication structure, reporting structure and several formats for reporting were set up.

9.4. Financial management for Europeana DSI-2

Financial reporting to Europeana Governing Board is based on a quarterly basis. The information is regularly provided to the Board and steering committee.

9.5. Project and Business Support

Project knowledge sharing and management tools (basecamp, etc.) were maintained and updated if necessary.

¹ PSNC is a participant in this WP since PSNC is required to have the project financially audited after the project. No further work is envisioned for PSNC in WP9.