



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

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DELIVERABLE

B.3 Activity report M10

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Activity reports can be viewed and accessed online in the document section on the Europeana DSI-4 project page¹.

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

TABLE OF CONTENTS

1 Introduction	4
2 Progress towards objectives	4
3 Updates towards milestones	7
4 Key Performance Indicators	11
5 Quality of service (QoS)	15
6 API usage metrics	15
7 Balance of efforts	16
8 Deviations, change requests and adjustments	17
9 Major changes in staff, if applicable	17
10 Progress on deliverables (M1-M12)	18
11 Communication and dissemination activities	19
12 Update on risk assessment	21
13 Updated list of pre-existing rights	24

1 Introduction

The activity report describes the activities performed in Europeana DSI-4 in the period between 1 April 2019 until 31 May 2019. It states progress towards objectives, updates of milestones, progress on KPIs and other metrics, derivations and adjustments, and an overview of the balance of efforts. At the end of the report an overview on progress of deliverables, a list of communications and dissemination activities, a risk assessment registry, as well as a list on pre-existing rights to material used by Europeana DSI-4 participants is added.

2 Progress towards objectives

This section provides a short overview over highlights implemented in the reporting period related to the strategic objectives (objectives as specified in the Europeana DSI-4 tender).

Objective 1

Offer a viable variety of options for end users to discover, use and engage with content they like; refine the value propositions of the platform for all target user groups; ensure that the platform functionality and other services meet those purposes.

In this period, EF resolved performance issues and removed bottlenecks towards the newspapers full-text search. The functionality is now completed and the Europeana Newspaper thematic collection is ready to be officially announced on July 1st via a Pro News post, social media promotion, and via our newsletters.

Schema.org for entities was finished during this period and we tested the publication of schema.org for Entity Pages. In our efforts towards SEO we also deployed the new sitemap application for entity pages and released it to Google. The sitemap now includes both items and entities. In the upcoming months we will measure the results of the sitemap and schema.org for entities, and based on the findings also released schema.org for item pages.

Objective 2

Maintain and further develop a fully operational data and aggregation infrastructure; the infrastructure should be optimised in order to facilitate content provision from content holders; improve data and metadata quality; create, implement and continuously improve efficient ingestion procedures for providers and aggregators.

The spring meeting of the Europeana Aggregators' Forum happened on 3-4 April. A train the trainer event was included in the programme. A report² is summarising the main outcomes.

In May, EF submitted three milestones responding to broken links. Our efforts towards resolving broken links significantly improved the Europeana Collections experience. Some datasets were removed that had seemingly no hope for improvement and datasets fixed (links rectified). In parallel, EF will ensure to not publish any new datasets with broken links and work on an automated solution to systematically detect broken links that develop over time after the data being ingested.

Objective 3

Enable incorporation of new content, seeking to broaden the overview of Europe's cultural heritage; encourage new content holders to join Europeana and foster their active involvement.

In April and May 2019 we published/updated about 2.9 million records in Europeana Collections. New data was mostly contributions from the Generic Services projects Rise of Literacy, Migration in the Arts and Sciences and Byzantine Art.

Objective 4 and Objective 5

Improve content distribution mechanisms to accelerate discovery and maximise visibility, as well as take-up of the platform by fostering creative re-use in third-party products and services.

Improve/widen visibility and content discovery through strong relationships and joint ventures with a broad range of stakeholders (e.g. apps developers) and cultural and creative industries (CCIs) to engage new audiences.

For our end-users (European Citizens market) we published several new blogs and galleries on Europeana Collections, including several guest blogs by partners from the Migration and the Arts and Sciences Generic Service project.

As part of our efforts towards the Education market, EUROCLIO finalised and published 12 new source collections and 6 new eLearning activities on Historiana which cover a wide range of topics, including Napoleon, medicine and anatomy, Renaissance, the Industrial Revolution and more. They also updated the teacher training guide³ to incorporate the lessons learned from the organised workshops so far. Improvements include more options for teachers to choose and adapt kit elements for their workshop.

²

https://docs.google.com/presentation/d/1cGe71suW7mx0-n9KjxxzXaoQ_gf41ORE3CRxseFpc0/edit#slide=id.g4dc6ad517b_0_0

³ <https://pro.europeana.eu/post/teacher-training-guide>

Europeana Research finalised its strategic plan that proposes a number of changes to maximise impact in this area, in which the Europeana Initiative makes a shift towards focusing on the digital transformation of cultural heritage institutions.

Objective 6

Coordinate, sustain and grow the Europeana Network Association with the aim of increasing the number of content providers and organisations reusing the content available through Europeana.

In the end of May, the ENA membership stood at 2,478 members. In the reporting period, we gained 80 new members.

Objective 7

Maintain an international, interoperable licensing framework catering to the needs of data partners, users and creative reuse.

The RightsStatements.org consortium developed a draft business plan for 2019 identifying its core activities (scheduled to be signed off by the Steering Committee meeting 7th May). It will be published at www.rightsstatements.org in July.

Objective 8

Implement existing, and – where appropriate - develop new strategies, services and business models to help move towards financial sustainability.

EF worked and will work with the Commission and the DCHE subgroup to align the Europeana Initiative with the objectives of the independent evaluation. EF attended the DCHE meeting in May 2019 and presented the progress of Europeana DSI-4 to date. Furthermore, several options for changing KPIs and dealing with tier-0 (non-EPF compliant material) were discussed and agreed with the DCHE members.

Under the Romanian EU Presidency the Europeana Conference ‘Exposing online the European cultural heritage’ was held in Iasi on 17-18 April 2019, and brought together 90 officials, policymakers and practitioners to examine and explore the positive impacts and the challenges of making cultural heritage available on the web for heritage institutions.

Objective 9

Take all necessary measures to host and integrate the results of projects funded under CEF calls for proposals for generic services.

In this period, we worked with partners of the Generic Services projects Common Culture, EuropeanaMedia, EnrichEuropeana, and Crowd Heritage on the successful implementation

of results on the DSI platform. Support for integrating the results of the projects into Europeana DSI so far are summarised in A.1 Platform report⁴.

Objective 10

Identify methods and key performance indicators to measure and benchmark progress towards the objectives mentioned above and in particular the use of the platform, access to content, improvement of the quality of metadata and content as well as the reuse of the cultural heritage content accessible through Europeana. A cost benefit analysis should also be provided in order to better define future strategies.

The Europeana DSI-4 implementation plan states milestones to track progress overtime and key performance indicators to follow performance of the platform. Please see section [3 Updates towards milestones](#) and section [4 Key performance indicators](#) for more details.

3 Updates towards milestones

This chapter highlights milestones to be delivered in April (M8) and May (M9) 2019. All milestones were achieved according to plan. In grey the immediate previous reached milestones (M-2) and next (M+2) are added to provide context.

MS No.	WP/task	Description	Verification	Status
M6 - February 2019				
MS3	WP1	User group for improvement of Metis set up	Confirmation by the PO	Done
MS11	WP2	Review of the data quality plans	Confirmation by WP leader	Done
MS14	WP1	Campaign to improve accuracy of rights statements initiated	Confirmation by WP leader	Done
MS24	WP1	Report on improvement of search	EF reported and will report on improvements of search in the C.2 Users and usage reports	Done
MS34	WP1	Updated source code on GitHub	EF updated and will update the source code upon every deployment. Updates are done almost daily. https://github.com/euro	Done

⁴ A.1 Platform report is available on the Europeana DSI-4 project page.
<https://pro.europeana.eu/project/europeana-dsi-4>

			peana	
MS55	WP5	ENA annual report	ENA annual report published	Done
MS62	WP5	DCHE/Subgroup meeting	Meeting took place	Done
MS1.50 ⁵	WP1	New KPIs for Metadata component and data quality improvements defined	Overview of KPIs delivered	Done
M7 - March 2019				
MS41	WP3	MOOC in two other languages each year (2019 and 2020)	Confirmation by WP leader	Done
MS47	WP3	Participation of Europeana in Open Education Week	Confirmation by WP leader	Done
MS49	WP3	Europeana Challenges	Europeana Challenges initiated	Done
M8 - April 2019				
MS9	WP1	Rightsstatements.org Business Plans 2019	Business plan published	Done
The Rightsstatements.org Business Plan 2019 was prepared in May ⁶ and will be published at www.rightsstatements.org in July.				
MS35	WP2	Train the trainers day	Event took place	Done
A train the trainer day for aggregators was organised alongside the Europeana Aggregators' Forum meeting on 4 April 2019. This training event was to introduce and practice the semantic enrichment framework of Europeana.				
MS38	WP2	Europeana Aggregators' Forum meeting	Meeting took place	Done
The last Europeana Aggregators' meeting (EAF) meeting took place from 3-4 April 2019 in The Hague. A short report ⁷ was compiled by the EAF Steering Group to summarise key aspects of the meeting.				
MS43	WP3	12 Europeana source collections each year	Source collections published	Done
EUROCLIO published 12 new source collections ⁸ with Europeana content on Historiana, on topics from Napoleon to medicine and anatomy, energy, transport, women and more.				

⁵ Not in tender, MS of Implementation plan M1.

⁶

<https://docs.google.com/document/d/1pBmjZWkoqn798HI53r6KSveT58f7hnCFO8QBRA5C1kg/edit#heading=h.8r86lpdlkbn>

⁷

https://docs.google.com/presentation/d/1cGe71suW7mx0-n9KjxxzXaoQ_gf41ORE3CRxseEpc0/edit?usp=sharing

⁸ <https://historiana.eu/#/historical-content>

MS48	WP3	Strategic Plan for Europeana Research	Strategic Plan ready	Done
In June, EF submitted the Strategic Plan for Europeana Research to EC.				
MS53	WP5	Europeana Network MC meetings	Confirmation of the WP leader that meeting took place	Done
The Europeana Network MC meetings took place in The Hague, The Netherlands on 5/6 March 2019. Minutes are available here. ⁹				
MS59	WP6	Impact Playbook version 2.0	Impact playbook 2.0	Delayed, expected in Jul (M11)
The Impact Playbook version 2.0 was prepared in May and will be shared publicly in July.				
MS67	WP2	Beta version of Europeana Pro	Version of Europeana Pro published	Done
The redesign of the modules of Europeana Pro was completed. This includes updates to the styling of the website to reflect our brand; update the information architecture of the website to ensure better findability of content, in collaboration with aggregators and the network association members; and a consistent narrative across the website explaining why Europeana exists, what it does and how one can join. Over the next couple of months we will test the new information architecture with the aggregators and network association members and continue working on the narrative. Once this work is done we will officially launch the new Europeana Pro website.				
MS70	WP2	Aggregator profiles published on Europeana Pro	Aggregator spaces on Europeana Pro published	Done
Since 3 April 2019 all accredited aggregators have a profile published on Europeana Pro ¹⁰ .				
M9 - May 2019				
MS19	WP2	Evaluation of broken links in the repository	Report delivered	Done
In May, EF submitted a document to EC reporting on the evaluation of broken links in the repository.				
MS44	WP3	Update Teacher Training Kit	Confirmation of the WP leader	Done
EUROCLIO updated the teacher training guide ¹¹ to incorporate the lessons learned from the organised workshops so far. Improvements include more options for teachers to choose and adapt kit elements for their workshop.				
MS50	WP3/Task	Europeana Match funding	Europeana Match	Cancelled

9

https://pro.europeana.eu/files/Europeana_Professional/Europeana_Network/Association_Updates/Members_Council_meeting_minutes/MC-meeting-minutes-2019/MC-meeting-minutes-2019-03-05&06-The-Hague.pdf

¹⁰ <https://pro.europeana.eu/services/data-publication-services/aggregators>

¹¹ <https://pro.europeana.eu/post/teacher-training-guide>

	3.3.	programme	funding programme initiated	
Match funding is a method of co-investment of the crowd and a private/public institution. We offered the opportunity for match funding under Europeana DSI-4. So far, EF didn't find the right candidates to support match funding.				
MS56	WP5	Europeana EU presidency events	Confirmation of the WP leader that meeting took place	Done
Under the Romanian EU Presidency the Europeana Conference 'Exposing online the European cultural heritage' was held in Iasi on 17-18 April 2019, and brought together 90 officials, policymakers and practitioners to examine and explore the positive impacts and the challenges of making cultural heritage available on the web for heritage institutions. ¹²				
MS63	WP8	Transfer test	Transfer test executed	Delayed, expected in Aug 2019 (M12)
MS72	WP2	Resolve legacy broken link issues	Report delivered	Done
In May, EF submitted a document to EC reporting on efforts done and planned towards resolving legacy broken links.				
MS73	WP2	Review proactive methods for responding to broken links dynamically	Recommendations available	Done
In May, EF submitted a document to EC reporting on methods for responding to broken links dynamically.				
MS75	WP2	Consultation with tier 0 partners is complete	Consultation complete	Done
In June, EF submitted a document to EC with Tier 0 datasets by institution, aggregator and country.				
M10 - June 2019				
MS39	WP3	Meetings of the teacher ambassador network	Confirmation of the WP leader that meeting took place	Expected in time
MS45	WP3	eLearning activities	eLearning activities delivered	Expected in time
MS65	WP5	Satisfaction survey with ENA members	Satisfaction survey with ENA members	Delayed, expected in December ¹³

¹²

https://pro.europeana.eu/files/Europeana_Professional/Event_documentation/Events/Presidency/Romanian-Pr esidency-Programme.pdf

¹³ After an internal cross-team discussion on effectiveness and feasibility of the ENA satisfaction survey EF decided to conduct it following the Europeana 2019 event in early December 2019.

M11 - July 2019				
MS6	WP2	EPF updated with metadata component	Updated EPF available on Pro	Expected in time
MS25	WP1	Report on user interface satisfaction surveys	EF reported and will report on user interface satisfaction surveys in the C.2 Users and usage reports	Done
MS30	WP1	Overview of data providers that have signed the new DEA	List available	Expected in time
MS66	WP1	Study on engagement element	Study ready	Expected in time
MS69	WP1	Review of as-is architecture landscape	Document ready	Expected in time
MS74	WP2	Audit and design resolution plan for longtail of ongoing data issues	Plan ready	Expected in time
MS76	WP3	Three case-studies of using Europeana in academic research	Case studies published	Expected in time

4 Key Performance Indicators

KPIs as defined for the first year of the tender (1 September 2018 until 31 August 2019) are detailed in the table below. The table states the KPIs related to the individual work package, how the KPI is measured, and the target towards the KPI to be reached by 31 August 2019.

Our main KPIs for Europeana Collections including traffic generated to Europeana Collections as well as user return rate are behind target. We are still experiencing a high level of dependency on Google, with limited control of the long tail organic traffic. Mitigations include focusing on the generation of traffic to areas of the website we do have control over (thematic collections, exhibitions, galleries, blog) and diversifying traffic sources. These efforts will complement the work done on the product side to enhance the overall portal experience to encourage direct return visitors. This should result in an improved user experience and extended user journey.¹⁴

Number of click-throughs is behind target. We assume that as data quality improves over time on Europeana Collections there is less need for users to click-through to partners websites to explore the content. To increase traffic to partners' websites we placed the partner institutions prominent on the new record page, visible for users to click.

¹⁴ More information on traffic and user return rate can be found in C.2 Users and usage deliverable available on the Europeana DSI-4 project page. <https://pro.europeana.eu/project/europeana-dsi-4>

Total number of integrations of Europeana data in dynamic learning environments is behind target. Currently we are in contact with two learning platforms (one commercial and one ministry related) to integrate Europeana resources.

Total number of cases of new works, products or services using Europeana content in the creative industries market are behind target. Due to strategic priorities towards other markets our outreach to the creative industries professionals was rather limited so far under Europeana DSI-4.

We perform very well on social media with almost twice as much users reached as initially targeted.¹⁵

¹⁵ More information on social media can be found in C.3 Content supply and reuse deliverable available on the Europeana DSI-4 project page. <https://pro.europeana.eu/project/europeana-dsi-4>

Replace with screenshots: KPIs

Replace with screenshots: KPIs

5 Quality of service (QoS)

The following table summarises performance of our products¹⁶ (Europeana Collections and Europeana APIs):

	Jan 19	Feb 19	Mar 19	Apr 19	May 19
Europeana Collections					
Load (rpm ¹⁷)	553 rpm	879 rpm	741 rpm	553 rpm	541rpm
Response times (seconds)	1.56	1.1	1.35	1.67	1.29
Uptime ¹⁸	99.95%	99.79%	99.3%	99.17% ¹⁹	99.88%
Europeana APIs					
Load time (rpm)	1080 rpm	1362 rpm	1441 rpm	1098 rpm	1278 rpm
Response times (seconds)	0.15	0.16	0.22	0.26	0.20
Uptime	99.99%	99.68%	99.35%	99.98%	99.96%

More information on quality of service can be found in the A.1 Platform report.²⁰

6 API usage metrics

EF collects monthly usage statistics for the Europeana REST API²¹. From these statistics we derived two metrics: 1) Number of users that exceed the average of 5 calls a day; 2) Number of users that were active for more than 5 days in each month.

Period	Number of users that...	
	exceeded the average of 5 calls a day	were active for more than 5 days in each month
September 2018	66	65

¹⁶ Figures reflect status of current production services. Figures are average response times.

¹⁷ Rpm: response per minute.

¹⁸ With a high-availability architecture design, the services aims to be available 24x7 with uptime 99.5% (excluding scheduled outages). This includes Europeana Collections and APIs.

¹⁹ The uptime number in this reporting period is below target. EF had problems with our provider IBM. We are actively working on plans to mitigate this kind of downtime in the future, by having a separated environment with a different provider we can switch to.

²⁰ Available on the Europeana DSI-4 project page. <https://pro.europeana.eu/project/europeana-dsi-4>

²¹ <https://pro.europeana.eu/page/europeana-rest-api>

October 2018	72	55
November 2018	71	74
December 2018	73	70
January 2019	76	70
February 2019	74	74
March 2019	69	72
April 2019	65	62
May 2019	75	71

7 Balance of efforts

The Balance of efforts table states the percentages of resources allocated to each of the nine work packages of the Europeana DSI-4 project. The numbers are stated cumulative while the March figures reflect the time frame 1 September 2018 until 31 May 2019.

Work package	Foreseen Percentage of the full contract value in the tender	Sep 18	Nov 18	Jan 19	Mar 19	May 19
1. Operating, maintaining and developing European DSI as the pan-European online cultural platform	57.10%	54.08%	56.11%	55.36%	56.08%	56.06%
2. Content supply	10.95%	12.28%	10.88%	10.32%	10.23%	10.35%
3. Fostering content reuse of digital cultural	9.69%	9.50%	9.76%	9.48%	9.68%	10.01%

heritage resources						
4. Communication and dissemination	8.93%	11.09%	8.47%	8.14%	8.03%	7.98%
5. Animate and further enlarge the Europeana Network Association	6.44%	6.13%	7.06%	9.33%	8.84%	8.33%
6. Studying the impact of digitisation and reuse of cultural heritage	1.32%	1.07%	1.32%	1.21%	1.07%	1.03%
7. Governance	1.96%	0.00%	0.31%	0.19%	0.32%	0.44%
8. Phasing-in and phasing-out period	0.50%	0.06%	0.03%	0.02%	0.03%	0.02%
9. Project and programme management	3.11%	5.79%	6.06%	5.95%	5.72%	5.78%
Total	100%	100%	100%	100%	100%	100%

8 Deviations, change requests and adjustments

No deviations and adjustments from the implementation plan (B.1 deliverable, M6).

9 Major changes in staff, if applicable

Victor-Jan Vos, Head of Programme and Network at Europeana Foundation, will leave his position by the end of August 2019.

10 Progress on deliverables (M1-M12)

Deliverable number	Description	Due month	Status
A.1	Platform reports	M10	Delivered to EC
B.1	Implementation Plan	M1, M6, M12, M18	M1 and M6 Delivered to EC
B.2	Periodic reports	M2, M4, M6, M8, M10, M12	M2, M4, M6, M8, M10 Delivered to EC
B.3	Activity reports	M2, M4, M6, M8, M10, M12	M2, M4, M6, M8, M10 Delivered to EC
B.4	Annual report	M12	
C.1	Technical documentation	M9	Delivered to EC
C.2	Users and usage report	M5, M10	Delivered to EC
C.3	Content supply & reuse reports	M10	Delivered to EC
C.4	Stress and disaster recovery test reports	M9	Delivered to EC
D.1	Communication and dissemination plan	M1, M9, M18	M1, M9 Delivered to EC
E.1	Transfer of assets and liabilities report	M1, M10	M1, M10 Delivered to EC
E.2	Transfer process report	M1, M10	M1 Delivered to EC, M10 Delayed expected in M11
E.3	Employed staff report	M1, M6, M12	M1, M6 Delivered to EC

11 Communication and dissemination activities

The table below lists communication and dissemination efforts undertaken outside of the channels owned by the consortium (on- and offline publications) and lists external conferences and events attended by the consortium.²² Outreach activities as part of the individual tasks are listed in the periodic report.

Partner	Name of event	Activity	Location	Date	Link
INESC-ID , CLARIN, EF	2nd Conference on Language, Data and Knowledge - LDK2019	Publication of article and presentation about the EDM model for full-text	Leipzig, Germany	20-23/05/2019	http://2019.ldk-conf.org/program/ https://dx.doi.org/10.4230/OASlcs.LDK.2019.22
EF	POEM 2020 Colloquium on open knowledge and cultural heritage, University of Hamburg	Workshop presentation and discussion on open access and creative reuse in the GLAM sector	Hamburg, Germany	22/05/2019	
AIT-Graz	160 Millionen Objekte online. Naturhistorische Sammlungen als Beispiel der open-access Vernetzung	Comparative documentation of open access activities, GBIF and Europeana; Museum participation	Mainz, Germany	16/05/2019	
EF	IWM 14-18 Workshop	Presentation on Europeana Initiative	London, UK	14-16/05/2019	
EF	IIIF Event in Bern	Presentation on Europeana Initiative and IIIF	Bern, Switzerland	15/05/2019	https://campus.hesge.ch/id_bilingue/projekte/ticks/bern-iiif-showcase-event_de.html
EF	CC Global Summit Lisbon	Presentation on Europeana	Lisabon, Portugal	09-10/05/2019	https://summit.creativecommons.org/

²² Communication and dissemination activities on the Europeana platform (Europeana Collections and Europeana Pro) and consortium partners websites, social media (LinkedIn, Twitter, Facebook) as well as outreach activities (such as Collection days, Transcribathons, workshops) are described related to the activity in the B.2 and D.1 deliverables.

		Initiative and workshop host			
CARARE	Time Machine pillar workshop	Participation in meeting	Amsterdam, The Netherlands	09-10/05/2019	
EF, CARARE	DCHE Meeting, expert group	Attendance	Luxembourg	07-08/05/2019	
EF	Republica: internet and digital society conference	Presentation on Europeana Initiative	Berlin, Germany	06-07/05/2019	https://re-publica.com/en
INESC-ID	Article published by OpenEdition Press	Book chapter about our research results in data aggregation	Online	May 2019	https://books.openedition.org/oep/9024
EF	1st International Workshop on Big Museum Data	Presentation on Europeana Initiative	Qatar	30/04 - 02/05 2019	
EF	Upscaling the Geo-temporal Enrichment, exploration and exploitation of Scientific Collection, project partners UGent, KUL, ULB & NAB).	Presentation on Europeana 14-18	Brussels, Belgium	25/04/2019	http://www.ugesco.be/
NISV	EUScreen network meeting	Presentations and workshops	Luxembourg	15/04/2019	http://blog.euscreen.eu/2019/04/the-annual-euscreen-network-meeting-2019/
CLARIN	EOSC-hub Week 2019	Europeana resources used in software demonstrations and mentioned in presentations	Prague, Czech Republic	10-11/04/2019	https://eosc-hub.eu/events/eosc-hub-week-2019/programme

EF	EU Digital Day	Attendance	Brussels, Belgium	09/04/2019	https://ec.europa.eu/digital-single-market/en/news/digital-day-2019
EF	Digital Strategies for museums	Presentation Europeana Initiative	Hamburg, Germany	02/04/2019	

12 Update on risk assessment

Related to	Risk	Likelihood of occurrence	Impact	Mitigation strategy
Task 1.1. Maintenance and continuous improvement of the Europeana DSI's main functionalities				
MS1.1 Change development process in place and updated	The process becomes very theoretical and thus not useful in practice.	Low	Medium	Follow the process carefully, update what does not work and integrate the process in general workflows.
Requirement A.1. Metadata repository				
MS1.2 Version of Metis updated	There is no update of Metis to report	Low	High	As this report comes at the beginning of DSI4, it will report on the latest status of Metis.
MS1.3 User group for improvement of Metis set up	The group is not formed on time	Low	High	We will start the recruitment process for the Metis user group at the very beginning of DSI4 to prevent delays.
Requirement A.2. Metadata and content quality				
KPI 1.3 Data quality - 40% Data in tier 2 or higher	Data partners to focus on metadata instead of content quality, which is good for us but a risk for this KPI to be achieved. A second risk is that the control for that KPI is with CHIs and less with aggregators or EF.	Medium	Medium	The finalisation and publication of the EPF metadata will help mitigating the first risk as we can then also develop a KPI on metadata level. To mitigate the 2nd risk, training workshops and national workshops can help to source more tier 3+ material.

KPI 1.4 Data available for Distribution - 30% Data in tier 3 or higher	Same as KPI 1.7	Medium	Medium	Same as KPI 1.7
MS1.4 EPF updated	EF and partners cannot agree in time about the requirements for metadata quality in the EPF	Low	High	Initial talks about the EPF have already started. The base-line requirements will be agreed upon first.
MS1.6 Aggregators data quality work plans	Aggregators will not have the data quality plans ready in time.	Medium	High	Initial Focus on data quality improvement and analysis by EF
MS1.8 Division of tiers (data quality) in Europeana DSI	Automatic classification of records fails because of technical problems	Medium	Medium	Manual investigation of the database to create an estimate of the tier distribution.
Requirement A.5. Log files on user behaviour and usage analytics				
MS1.11 Tools to log and present advanced statistics about platform usage in place and accessible to Commission Services	The statistics will not deliver the required information	Low	Medium	Setting expectations and increasing communication on statistics and possibilities.
Task 1.3. General conditions for delivery of the requirements				
Maintaining and further developing the platform infrastructure				
KPI 1.6 Europeana Research and Development contributions	Proposals for presentations/publications rejected, not enough resource to disseminate our work any more	Low	Low	Re-focus dissemination efforts. Encourage other partners to disseminate their work to relevant venues.
Task 2.1. Promote organisational and technical requirements for publication of cultural heritage data and the uptake of frameworks				
KPI 2.1 CHI satisfaction	Unable to reach the CHIs directly	Medium	High	The CHIs will be reached via aggregators (domain and national). The survey will run if a representative sample can be reached.

MS1.20 Aggregator spaces on Europeana Pro	Aggregators will not deliver sufficient information, or information will be outdated soon	Low	High	Information will be requested early and will be reviewed regularly. Information will be based on EF's CRM-system.
Task 3.1 Engage with the communities interested in reuse				
MS1.30 Business Plan for Europeana Research 2019	Not enough commitment for this plan from non-funded partners	Medium	High	Involving the Research early in this work.
Task 3.3. Facilitate the development of new products and services by reuser communities				
MS1.32 Europeana Match funding programme	Match-funding programme might not continue and funding will transfer to challenges.	Low	Low	Funding to be transfer with a same or similar focus to challenges.
Task 4.1. Communication and dissemination of Europeana				
KPI 4.1 Traffic on Europeana Collections	No growth in the number of the returning visitors, not enough interesting (curated) content, too high costs of promotion	High	Medium	Paid traffic generation
KPI 4.2 Engagement on Europeana products: returning visitors	Product/content not good enough to encourage people to return	Medium	Medium	Curated content series, retargeting
KPI 4.3 Engagement on Europeana products: downloads	Less items available for download or less need for downloads (low risk)	Low	Low	Marketing activities encouraging downloads (reuse, contests, challenges)
KPI 4.4 Engagement on Europeana products: click-throughs	No need to click through (if content is fully explorable on Europeana), low quality content that required a click-through being depublished	Medium	Medium	Increasing visibility of partner institutions on a record page

KPI 3.2 Reach of Europeana data on social media	Changes to the algorithms and pricing on social media platforms	Medium	Medium	Diversification of channels, tools and platforms used
Task 5.1. Support the ENA in attracting citizens, professionals and institutions with an interest in digital cultural heritage				
KPI 5.2 Attraction of new members	Number of new members lags behind expectation	Low	High	Introduce membership campaigns and focus on benefits of the ENA and its communities.
Task 7.1. Report to the Advisory Committee				
MS1.41 Advisory Board meeting	EC's investiture of the Advisory Board is delayed	Low	High	Accept the risk and focus on the next advisory board meetings.

13 Updated list of pre-existing rights

This is a current list of pre-existing rights related to activities and outcomes of Europeana DSI. Communication and PR-activities from all partners are not considered outcomes or results, as is content produced by data or content providers, delivered to Europeana and aggregators.

1. Europeana Foundation (EF)

Pre-existing material	Rights to pre-existing material	Identification of rights holder
Any document or digital object, created by Europeana Foundation, before 31 August 2017, whether published or not;	Copyright	Stichting Europeana
The europeana.eu domain name; registered trade mark No. 005444435 filed with the Office for Harmonisation in the Internal Market (OHIM) by Stichting European Digital Library; registered trademark No. 010036853 filed with OHIM by Stichting Europeana on 10/06/2011;	Registered Trademark(s)	Stichting Europeana
The metadata databases, digital object databases and source code; software licences; computers and usage rights over leased computers and computer storage, hosting and connectivity agreements;	Licenses, database rights and copyright	Stichting Europeana

All rights which the Stichting Europeana holds under its agreements with data providers (the Data Exchange Agreements), concluded before 31 August 2017.	License(s)	Stichting Europeana
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2. AIT Angewandte Informationstechnik Forschungsgesellschaft mbH (AIT GRAZ)

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

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

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

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

4. Archives Portal Europe Foundation (APEF)

Pre-existing material	Rights to pre-existing material	Identification of rights holder
Archives Portal Europe front-end: includes CMS, design, texts, technical settings/definition of the search index, source code for portlets in various parts of the front-end such as Search, Directory, Featured Documents, Topics, etc.	Copyright	APEF APEF partners for translations of English originals of texts
Archives Portal Europe front-end section for registered users: includes CMS, design, texts, source code for portlets/functionalities in "My pages" (saved searches, bookmarks, collections)	Copyright	APEF APEF partners for translations of English originals of texts
Redmine / Jira bugtracker tools	Licenses	APEF
Local Data Preparation Tool: includes design, source code for various parts (admin, conversion, validation, conversion to EDM, reports and extensions, creation/editing, etc.). XSLT-s, schema files, etc.	Copyright	APEF
OAI-PMH repository; Search Widget	Copyright	APEF
Archives Portal Europe back-end (dashboard): includes design, texts, source code for various parts (admin, country manager/institution manager accounts, uploads, conversion, validation,	Copyright	APEF APEF partners for translations of

publication/indexing, previews, conversion to EDM, delivery to Europeana, downloads, dashboard profiles, reports, creation/edition, etc.), XSLT-s, schema files, etc.		English originals of texts
APE API services	Copyright	APEF
Manuals for using the Archives Portal Europe and its tools: i.e. Country Manager Manual, Institution Manager Manual, Manual for the DPT, Manual for the OAI Console, Instructions for the search widget	Copyright	APEF APEF partners for translations of English originals
APEF wiki including all content (all manuals and technical documentation)	Copyright	APEF
Ownership of the URL archivesportaleurope.net including all subpages	Copyright	APEF
Admin access to portal(s) and dashboard(s) in all five server environments	Licenses	APEF
Ownership of the URL archivesportaleurope.eu including all subpages	Copyright	APEF
Ownership of contracts with Leaseweb with regard to the servers for the portal and the dashboard	Copyright/licenses	APEF
apeEAD: includes schema file(s), documentation and manuals	Copyright	APEF
EAG 2012: includes schema file(s), documentation and manuals	Copyright	APEF
apeEAC-CPF: includes schema file(s), documentation and manuals	Copyright	APEF
apeMETS /apeMETSRights: includes schema file(s), documentation and manuals	Copyright	APEF
Mapping and conversion to ESE and EDM	Copyright	APEF
APEnet project website: apenet.eu, including ownership of the domainname, hosting, CMS, design, texts, shared documents (deliverables, minutes, presentations, other documents from project meetings and working groups, etc.);	Copyright/licenses	APEF
APEx project website: apex-project.eu, including ownership of the domainname, hosting, CMS, design, texts (except for Articles section), shared documents (deliverables, minutes, presentations, other	Copyright/licenses	APEF

documents from project meetings and working groups, etc.)		
APEF website: archivesportaleuropefoundation.eu, including ownership of the domainname, hosting, CMS, design, texts, shared documents (deliverables, minutes, presentations, other documents from project meetings and working groups, etc.)	Copyright/licenses	APEF
Ownership/admin access to the social media accounts (Facebook, Twitter, Instagram, LinkedIn, YouTube, Vimeo, etc.)	Copyright/licenses	APEF
All videos as produced for the tutorial section of the APENet, APEX and APEF websites mentioned above as well as for the youtube and vimeo channels	Copyright	APEF
All Archives Portal Europe content, ie metadata and digital objects, either created before or after 31 August 2017	Copyright	APEF partners and content providers

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

Pre-existing material	Rights to pre-existing material	Identification of rights holder
The MORE aggregator software, metadata databases, digital object databases and source code; software licences; computers and usage rights over leased computers and computer storage, hosting and connectivity agreements.	Licenses, database rights and copyright	Athena Research and Innovation Centre
Any document or digital object, created by Athena Research and Innovation Centre, before 31 August 2017, whether published or not	Copyright	Athena Research and Innovation Centre
The LoCloud vocabulary service, databases, source code and software licences	Licenses, database rights and copyright	Angewandte Informationstechnik Forschungsgesellschaft mbH (AIT)
The LoCloud vocabulary matching and background linking services, databases, source code and licences	Licenses, database rights and copyright	University of the Basque Country
The LoCloud geolocation enrichment services, databases, source code and licences	Licenses, database rights and copyright	Institute for the Protection of Cultural Heritage of Slovenia

The LoCloud language identification service	Licenses, database rights and copyright	Athena Research and Innovation Centre
The LoCloud Geo-normalization service	Copyright	Athena Research and Innovation Centre
The LoCloud Geo coordinate transformation service	Copyright	Athena Research and Innovation Centre
The MORE Subject mappings service	Copyright	Athena Research and Innovation Centre
The MORE Temporal mappings service	Copyright	Athena Research and Innovation Centre
The CARARE MINT software, databases, source code and licences	Licenses, database rights and copyright	National Technical University of Athens

6. The British Library Board (BL)

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

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

7. Connecting Archaeology and Architecture in Europe (CARARE)

Pre-existing material	Rights to pre-existing material	Identification of rights holder
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Any document or digital object, created by CARARE, before 1 September 2018, whether published or not	Copyright	CARARE
The CARARE.eu domain name	Registered domain name	CARARE
Any document or digital object, created by either the CARARE project or the CARARE CLG before 1 September 2018 whether published or not.	Copyright	CARARE (Connecting Archaeology and Architecture in Europe) company limited by guarantee
The contact databases, metadata, source code, software licences, computers and usage rights over computer storage, hosting and connectivity agreements.	Licenses, database rights and copyright	CARARE

8. CLARIN ERIC (CLARIN)

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Any document or digital object, created by CLARIN ERIC, before 31 August 2017, whether published or not;	Copyright	CLARIN ERIC
The metadata databases, digital object databases and source code; software licences; computers and usage rights over leased computers and computer storage, hosting and connectivity agreements;	Licenses, database rights and copyright	CLARIN ERIC

9. Stichting Digitaal Erfgoed Nederland (DEN)

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Any document or digital object, created by Stichting Digitaal Erfgoed Nederland, before 31 August 2017, whether published or not;	Copyright	Stichting Digitaal Erfgoed Nederland

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

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The metadata databases, digital object databases and source code; software licences; computers and usage rights over leased computers and computer storage, hosting and connectivity agreements;	Licenses, database rights and copyright	DIF
The europeanfilmgateway.eu domain name	Registered Trademark(s)	DIF

11. Deutsche Nationalbibliothek (DNB)

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12. Europeana Fashion International Association (EFASHION)

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Any document or digital object created by Europeana Fashion International Association before 31 August 2017, whether published or not	Copyright	eFashion
The europeanafashion.eu domain name	Registered domain name	eFashion
The eFashion MINT software, databases, source code and licences	Licenses, database rights and copyright	National Technical University of Athens
The metadata databases, digital object databases and source code; software licences; computers and usage rights over leased computers and computer storage, hosting and connectivity agreements;	Licenses, database rights and copyright	eFashion

13. EUN Partnership AISBL (EUN)

EUN Partnership will develop, under the Europeana DSI-4 project, a set of teaching and training materials using an already established activity template, the Learning Scenario (template belonging to the Future Classroom Lab, developed in the iTEC project 2010-2014) and, using these materials, will create a Massive Online Open Course (MOOC), to be hosted

on the European Schoolnet Academy. Additionally, EUN will develop a set of Learning Scenarios, which use an already established updated Learning Scenario template (developed under the Scientix 3 project). The European Schoolnet Academy is a private initiative of EUN Partnership, in the form of a professional development platform focusing on innovation in the school and classroom, which offers free massive open online courses (MOOCs) for teachers in primary and secondary schools. All the teaching and training materials, and the MOOC will be made available under Creative Commons, allowing derivatives.

Pre-existing material	Rights to pre-existing material	Identification of rights holder
FCL Learning Scenario template and toolkit	Copyright	EUN Partnership aisbl
European Schoolnet Academy	Copyright	EUN Partnership aisbl
Learning Scenario template (developed under the Scientix 3 project)	Copyright	EUN Partnership aisbl

14. Euroclio European Association of History Educators (EUROCLIO)

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The Historiana Trademark	Trademark	EUROCLIO

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

Pre-existing material	Rights to pre-existing material	Identification of rights holder
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The transcribathon software, databases, source code and licences	Copyright	Facts & Files / Stichting Europeana

16. INESC-ID, Instituto de Engenharia de Sistemas e Computadores - Investigação e Desenvolvimento em Lisboa (INESC-ID)

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17. Stichting Nederland Kennisland (KL)

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Outofcopyright.eu	Copyright	Kennisland

18. Lovegrove SPRL (LOVEGROVE)

No pre-existing rights exist

19. Michael Culture AISBL (MCA)

MUSEU aggregation tool is based on MINT software developed by partner NTUA and made available under the GPL licence. MCA is a European association, and the content providers who are members of MCA and are willing to cooperate in the Europeana DSI-4 activities all signed the DEA.

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The MUSEU.eu domain name	Registered domain name	Michael Culture AISBL

Any website, document or digital object, created by either the Athena, AthenaPlus, Linked Heritage projects before 31 August 2017 whether published or not.	Copyright	Athena Consortium Linked Heritage Consortium AthenaPlus Consortium
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20. Stichting Nederlands Instituut voor Beeld en Geluid (NISV)

Pre-existing material	Rights to pre-existing material	Identification of rights holder
Any document or digital object, created by Stichting Nederlands Instituut voor Beeld en Geluid, before 31 August 2017, whether published or not;	Copyright	Stichting Nederlands Instituut voor Beeld en Geluid

21. National Technical University of Athens (NTUA)

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

22. International Consortium for Photographic Heritage Photoconsortium (PHOTOCONS)

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

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The Photoconsortium domain name: Photoconsortium.net Photoconsortium.com Photoconsortium.eu Photoconsortium.org Photoconsortium.it Photoconsortium.info	Registered domain name	Photoconsortium

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

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

24. Stiftung Preussischer Kulturbesitz (SPK)

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