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

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B.3 Activity report M12

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Revision History

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Activity reports can be viewed and accessed online in the document section on the Europeana DSI-4 project page[1].

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[1] https://pro.europeana.eu/project/europeana-dsi-4

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1. Introduction

The activity report describes milestones achieved in Europeana DSI-4 in the period between 1 June 2019 until 31 July 2019. It also states 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. Updates towards milestones

This chapter highlights milestones to be delivered in June (M10) and July (M11) 2019. In grey the immediate previous reached milestones (M-2) and upcoming milestones (M+2) are added to provide context.

MS No.	WP/task	Description	Verification	Status
M8 - April 2019				
MS9	WP1	Rightsstatements.org Business Plans 2019	Business plan published	Done
MS35	WP2	Train the trainers day	Event took place	Done
MS38	WP2	Europeana Aggregators' Forum meeting	Meeting took place	Done
MS43	WP3	12 Europeana source collections each year	Source collections published	Done
MS48	WP3	Strategic Plan for Europeana Research	Strategic Plan ready	Done
MS53	WP5	Europeana Network MC meetings	Confirmation of the WP leader that meeting took place	Done
MS59	WP6	Impact Playbook version 2.0	Impact playbook 2.0	Done, Jul 2019 (M11)
Together with subcontractor Sinzer EF completed the work, started by the Impact taskforce 2018 on Phase II of the Europeana Impact Playbook. Early in July a version of the playbook (named ALPHA) Phase II was released to a group of 16 stakeholders, selected for their insight and contribution to our work in this area, to gather feedback. Their feedback is being reviewed and acted upon, to enable a public version of Phase II to be published to the Impact community and network in the upcoming weeks.				
MS67	WP2	Beta version of Europeana Pro	Version of Europeana Pro published	Done
MS70	WP2	Aggregator profiles published	Aggregator spaces on	Done

		on Europeana Pro	Europeana Pro published	

M9 - May 2019				
MS19	WP2	Evaluation of broken links in the repository	Report delivered	Done
MS44	WP3	Update Teacher Training Kit	Confirmation of the WP leader	Done
MS50	WP3/Task 3.3.	Europeana Match funding programme	Europeana Match funding programme initiated	Cancelled
MS56	WP5	Europeana EU presidency events	Confirmation of the WP leader that meeting took place	Done
MS63	WP8	Transfer test	Transfer test executed	Done, Jul 2019 (M11)

In July, we executed a transfer test that focused on the transfer process of Europeana IT platforms to a successor supplier. Processes how to configure and deploy Europeana IT platform components are described in the E.2 Transfer process report (M10).

MS72	WP2	Resolve legacy broken link issues	Report delivered	Done
MS73	WP2	Review proactive methods for responding to broken links dynamically	Recommendations available	Done
MS75	WP2	Consultation with tier 0 partners is complete	Consultation complete	Done

M10 - June 2019				
MS39	WP3	Meetings of the teacher ambassador network	Confirmation of the WP leader that meeting took place	Done

The meeting took place on 7-8 June 2019 at the EUN offices in Brussels. It brought together the 13 teacher ambassadors and 30 teachers from the User Group who contributed most actively to the Teach with Europeana blog by creating one learning scenario with Europeana content, writing an enriching story of implementation and providing constructive feedback to their peers. During the two day meeting, the participants shared their feedback regarding the activities in the last school year, the impact Europeana and the collaboration with EUN has had on their teaching and discussed future plans.

MS45	WP3	eLearning activities	eLearning activities delivered	Done

EUROCLIO finalised and published 12 new eLearning activities on Historiana which cover a wide range of topics, including Napoleon, medicine and anatomy, Renaissance, the Industrial Revolution, and more (see an example activity[2]).

MS65	WP5	Satisfaction survey with ENA members	Satisfaction survey with ENA members	Delayed, expected in Dec 2019 - M16

After an internal cross-team discussion on the effectiveness of an 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	EPF updated	Done

Work on the metadata component of the Europeana Publishing Framework (EPF) finished. The updated Europeana Publishing Guide[3] including all technical criteria for metadata is available on Europeana Pro. The updated EPF booklet is ready and updates to the booklet are currently incorporated in the design and layout. We expect to publish the updated EPF booklet on Europeana Pro in September.

MS25	WP1	Report on user interface satisfaction surveys	Satisfaction surveys done[4]	Done

To receive feedback from users, we measured user satisfaction as well as Net Promoter Score (NPS) of Europeana Collections quarterly. In the last year, these were measured on two occasions (December 2018, April 2019). On average, 83% of the Europeana Collections users surveyed, rated as being satisfied, very satisfied or totally satisfied with the website. Europeana Collections also achieved a good NPS score, with an average of 38.

MS30	WP1	Overview of data providers that have signed the new DEA	Information available	Done

In March 2019 the updated DEA was published and made available to data partners. Since then one data provider has signed the new DEA: Muzeum Górnictwa Węglowego, new data provider for the Polish national aggregator.

MS66	WP1	Study on engagement element	Study ready	Delayed, expected in Mar 20 - M19

Based on a small feasibility study related to the Single Sign On (SSO) functionality we implemented a technical solution for the login functionality this year. The feasibility study happened before implementing keycloak, which is the tool that supports the authentication and authorisation for login. Next year, EF is planning to complete user research to understand what type of functionality users need login services for. The idea is to create one login functionality across all products. So that a user is able to use the same login for Europeana Pro, Metis and Europeana Collections and each site will offer services that the user can interact with behind the login. The study will complete user research to validate this idea and feasibility research to understand what it would take to deliver this concept. The user research is delayed, as mentioned above the scope of the study changed to involve a more elaborate outcome. This study will feed into plans and next steps to

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[2] https://historiana.eu/#/share/view/9595ca72-4026-417f-ab1b-91f1ef800a1a/text/bb_0
[3] https://pro.europeana.eu/post/publication-policy
[4] EF reported and will report on user interface satisfaction in the B.3 Activity reports. Our key mechanism to ask users how satisfied those are with our service is the Net Promoter Score (NPS), which is a KPI for both Europeana Collections and exhibitions.

encourage engagement through the implementation of MS32 Functionality for third parties to publish exhibitions and galleries in place (M24).				
MS69	WP1	Review of as-is architecture landscape	Document ready	Delayed, expected in Feb 20 - M18
The architecture review should follow the same timeline as the Metis strategy (MS68 Metis strategic recommendations, M18) . We will be in a better position to make any recommendations towards the architecture when we understand the future direction for Metis.				
MS74	WP2	Audit and design resolution plan for longtail of ongoing data issues	Plan ready	Delayed, expected in Sep 19 - M13
A document outlining an audit and design resolution plan for longtail and ongoing data issues will be submitted to EC in the next reporting period.				
MS76	WP3	Three case-studies of using Europeana in academic research	Case studies published	Done
The winners of the Europeana Research Grants Programme 2018 finalised their projects and presented their work of using Europeana content in academic research in a series of interviews on Europeana Pro. Each interview was complemented by the final project report for more details. ● Europeana 1914-1918[5]: AV Storytelling Data in a European Comparative Perspective by Dr Berber Hagedoorn, University of Groningen, NL; ● Upgrading History[6]. Diaries from the War Front by Dr Saverio Vita, University of Bologna, IT; ● Return to Sender[7]: Mapping Memory Journeys in the Europeana 1914-1918 Postcard Archive by Dr Elizabeth Benjamin, Coventry University, UK.				
M12 - August 2019				
MS11	WP2	Review of the data quality plans	Confirmation by WP leader	Expected in time
MS15	WP2	Overview of new (potential and proposed) content providers per Aggregating Partner	List of new content providers available	Expected in time
MS28	WP4	Exhibition schedule	Exhibition schedule available	Expected in time
MS34	WP1	Updated source code on GitHub	-	Done[8]
MS36	WP2	List of aggregator specific events	List of events available	Expected in time

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https://pro.europeana.eu/post/the-role-of-audio-visual-media-as-a-storyteller-berber-hagedoorn-europeana-research-grants-winner
6
https://pro.europeana.eu/post/exploring-autobiographical-writings-from-prisoners-of-war-saverio-vita-europeana-research-grants-winner
7 https://pro.europeana.eu/post/interactive-mapping-of-memories-elizabeth-benjamin
8 EF updated and will update the source code upon every deployment. Updates are done almost daily.
https://github.com/europeana

MS37	WP2	Schedule of content provider support events	List of events available	Expected in time
MS52	WP4	3-4 Transcribathons organised	Confirmation by WP leader	Expected in time
MS57	WP6	ENUMERATE Survey report	-	Cancelled[9]
MS62	WP5	DCHE/Subgroup meeting	Meeting took place	Delayed, Expected in Sep 19 - M13
MS71	WP3	60 new learning scenarios integrating Europeana resources	60 new learning scenarios available	Expected in time
M13 - September 2019				
MS1	WP1	Change development process in place and updated	Document describing process in place	Expected in time
MS2	WP1	Version of Metis updated	Confirmation by the PO	Expected in time
MS4	WP2	Statistics dashboard is available to aggregators and CHIs	Confirmation by the PO	Expected in time
MS10	WP2	Aggregators data quality work plans	Documents ready	Expected in time
MS12	WP2	Division of tiers (data quality) in Europeana DSI	-	Done[10]
MS21	WP1	API documentation published and updated	-	Done[11]
MS64	WP9	Europeana DSI-4 general assembly	Confirmation by WP leader that meeting took place	Expected in time

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[9] A new ENUMERATE survey is not needed by the end of the first year of Europeana DSI-4. The current statistics (of 2017) give enough information to have a good overview. DEN will focus on the qualitative interpretation of the results and improve the observatory. Results of this work will be reported on in D.2 Study on impact of digitisation and reuse of cultural heritage.

[10] Content tiers are new KPIs introduced in the Implementation plan M6 and will be reported on bi-monthly in the periodic reports.

[11] Application Programming Interfaces (APIs) are regularly updated based on product needs while documentation is regularly kept up-to-date on Europeana Pro and code is made available on GitHub. https://pro.europeana.eu/resources/apis

3. 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. Main source of traffic remains organic search with multiple niche searches. This is a sign of a long tail-traffic on which we have limited influence on. We are still experiencing a high level of dependency on Google. Our efforts on Search Engine Optimisation (SEO) such as publication of Schema.org for our entity and item pages shall make these pages more visible on search engines such as Google. Particularly successful in generating traffic was curated content such as blogs and exhibitions confirming our efforts towards SEO of curated content. We will continue to focus on the generation of traffic to areas of the website we do have control over (thematic collections, exhibitions, galleries, blogs), also via our various communication and dissemination efforts. Additionally, we worked on diversifying traffic sources by developing various traffic sources to reduce the dependency on Google. These efforts will complement the work done on the product side to enhance the overall portal experience to encourage new and returning visitors visitors. This should result in an improved user experience and extended user journey.[12]

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.

Our two main KPIs for data quality (KPI 2.8 and KPI 2.9) are above target. Since the last measurement of tier statistics in February non-EPF-complaint records are discarded in the statistics. Additionally, the high value for tier 4 are due to the fact that 2.5 million records are currently classified as tier 4 that are not expected to count for tier 4 in the future. The National Archives of Norway is currently providing page level access to lots of their documents. We should provide book level access to these documents instead. With that in place, the total content in Europeana Collections as well as the tier 4 content will drop by 2.5 million, which will reduce the total in tier 4 by about 4 percent points.

In July 2019, EF surveyed all accredited aggregators to Europeana DSI[13] and the data providers of the DSI aggregating partners. The percentage of surveyed CHIs that rate the relation with its aggregator (partner in Europeana DSI-4) 4 or higher on a likert scale of 1-5

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[12] 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
[13] https://pro.europeana.eu/services/data-publication-services/aggregators

is 85%. The CHI survey was filled by 37 CHIs from 9 aggregators. The low response rate may be explained with the fact that many colleagues were on vacation. Another explanation may be that not all CHIs are equally active working with the aggregator on their data in a certain time period. Next year we plan to run the survey earlier in the year and discuss with the aggregators how to increase the response rate. The percentage of surveyed aggregators that rate the relation with Europeana 4 or higher on a likert scale of 1-5 is 55%. Out of 33 accredited aggregators 22 filled the survey. EF will further analyse the results and identify actions to improve the satisfaction of aggregators.

For the KPI 2.12 Number of broken links (out of total) we are currently not able to provide this metric. The functionality to give this information is scheduled for development for Q4 2019.

Research was undertaken between June and July, to monitor the state of implementation of rightsstatements.org into the certified aggregators infrastructure (KPI 2.14). 28 of 33 certified aggregators were interviewed. The interview results combined with our operational knowledge shows that 20 active aggregators (61%) had implemented the statements into their infrastructures, exceeding our target of 25% for August 2019. We also saw some evidence that the statements are being adopted further into the data partner chain, with five aggregators indicating at least one of their partner institutions who had adopted the statements.

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 via our API. The work with educational partners during the first year of Europeana DSI-4 showed low interest in the API integration of the whole (or selected) Europeana Collections; instead, the partners had a clear preference for featuring curated and ready-made resources (for example, learning scenarios or source collections) in their systems and portals. In addition, the commercial partners are the least responsive group out of our three target ones (governmental, noncommercial and commercial) which is often related to their own product development priorities.

Total number of cases of new works, products or services using Europeana content in the creative industries market are behind target. The creative industries market is large and heterogenous and thus the outreach activities there are time and labour intensive. Considering the available limited resources at EF and the higher priority of other markets (for example, education), our work with 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.[14]

The number of task forces is below the target. Task forces are created when there is a specific need based on work undertaken under Europeana DSI and also other projects (such as Generic services projects). Currently we support three task forces with a specific purpose, endorsed by the communities. In addition, the role of the task forces as originally planned in the tender, is currently taken over by the ENA community steering groups, who address relevant topics in their own way.

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[14] 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

KPI No.	Description	Measured by	Expected progress Y1	Actual Sep 2018	Actual Oct 2018	Actual Nov 2018	Actual Dec 2018	Actual Jan 2019	Actual Feb 2019	Actual Mar 2019	Actual Apr 2019	Actual May 2019	Actual Jun 2019	Actual Jul 2019
1. Operating, maintaining and developing Europeana DSI platform														
1.1	Traffic on Europeana Collections	Number of visits to Europeana Collections per month	500,000	374,296	452,879	451,504	357,913	413,876	413,347	476,048	375,178	386,414	318,366	342,281
1.2	Engagement on Europeana: returning visitors	Returning visitors on Europeana Collections	30%	12,4%	12,6%	13,2%	13,4%	13,1%	13,3%	13,2%	13,4%	13,5%	13,1%	12.20%
1.3	Engagement on Europeana: downloads	Total number of downloads on Europeana Collections	180,000	26,192	53,428	81,930	81,930	86,848	127,919	173,827	212,313	251,595	284,236	323,518
1.4	Engagement on Europeana: click-throughs	Total number of click-throughs	800,000	31,580	67,953	107,715	107,715	122,025	140,806	160,446	178,232	195,394	210,435	224,604
2. Content supply														
2.1	CHI satisfaction	Percentage of surveyed CHIs that rate the relation with its aggregator (partner in Europeana DSI-4) 4 on a likert scale of 1-5	60%											85%
2.2	Aggregator satisfaction	Percentage of surveyed aggregators that rate the relation with Europeana 4 on a likert scale of 1-5	60%											55%
2.3	Quality assured content supply events	Number of national workshops run	2	0	0	1	2	2	2	2	2	2	2	2
2.4	Data quality	Data in tier 1 (content)	< 35.5%						35.50%				35.90%	40.50%
2.5	Data quality	Data in tier 2 (content)	> 24.5%						24.90%				16.30%	20.70%
2.6	Data quality	Data in tier 3 (content)	> 4%						4.10%				7%	8.90%
2.7	Data quality	Data in tier 4 (content)	> 20%						19.00%				23.40%	29.90%
2.8	Data quality	Tier 2 and above (high quality content)	40%	48%					48%				46.70%	59.50%
2.9	Data quality	Tier 3 and above (high quality + reusable content)	30%	23.10%					23.10%				30.40%	38.80%
2,10	Data quality	Number of datasets updated (out of total)	-								58	48	50	14
2.11	Data quality	Number of records updated (out of total)	-										1,842,313	495,536
2.12	Data quality	Number of broken links (out of total)	0											Not measured, expect. Dec 2019
2.13	Europeana Research and Development contributions	Total number of reference papers or presentations	10	6	8	8	9	10	10	10	10	11	14	15
2.14	Take up of rightsstatements.org	Percentage of active aggregators that integrated rightsstatements.org in their infrastructure	25%											61%
3. Fostering reuse of digital cultural heritage resources														
3.1	Engagement with the education market	Total number of learning resources using Europeana data	Min. 200					14	14	16	139	172	228	287
3.2	Engagement with the education market	Total number of integrations of Europeana data in dynamic learning environments	5	0	0	1	1	1	1	1	1	1	1	1
3.3	Satisfaction rate in the education market	Net Promoter Score of teachers using Europeana	20	61	63		63							61
3.4	Use of Europeana in research infrastructures	Total number of case-studies implementing Europeana on research infrastructures	3											Not measured, expect. Aug 19
3.5	Satisfaction of users in the academic research market	Baseline for Net Promoter Score set	yes						yes (38)					
3.6	Use of Europeana in the creative industries market	Total number of cases of new works, products or services using Europeana content	20	0	0	0	1	1	1	1	1	1	1	1
4. Communication and dissemination														
4.1	Satisfaction rate for Europeana Collections	Net Promoter Score	30				36				39			Not measured, expect. Aug 19
4.2	Satisfaction rate for exhibitions	Net Promoter Score	30				41.5	49	49	49	49	49	49	49
4.3	Reach of Europeana data on third parties	Total number of impressions from third parties	150 million	11,973,990	25,358,387	November data not available	51,564,706	65,013,383	77,676,710	91,947,515	105,189,191	118,430,867	130,675,946	141,665,459
4.4	Reach of Europeana data on social media	Total number of impressions on social media (Facebook, Twitter, Pinterest, GIPHY)	82 million	7,203,835	16,400,417	26,255,659	38,324,991	55,463,421	71,328,348	90,304,354	101,226,401	111,518,406	119,787,305	143,546,740
5. Animate and further enlarge the Europeana Network Association														

KPI No.	Description	Measured by	Expected progress Y1	Actual Sep 2018	Actual Oct 2018	Actual Nov 2018	Actual Dec 2018	Actual Jan 2019	Actual Feb 2019	Actual Mar 2019	Actual Apr 2019	Actual May 2019	Actual Jun 2019	Actual Jul 2019
5.1	Satisfaction of the Europeana Network Association members with the Europeana Network Association	Net Promoter Score	30											Not measured, expect. Dec 19
5.2	Attraction of new members	Number of members in the ENA	2,000	2,064	2,166	2,235	2,235	2,286	2,382	2,398	2,440	2,478	2,504	2,534
5.3	Activity in the network	Number of active task forces	5	4	4	4	4	5	2	2	3	3	3	3
5.4	Activity in the network	Number of active communities in the ENA	3	6	6	6	6	6	6	6	6	6	6	6
5.5	Satisfaction of EuropeanaTech members	Net Promoter Score	30											Not measured, expect. Aug 19

4. Quality of service (QoS)

The following table summarises performance of our products[15] (Europeana Collections and Europeana APIs). The table states metrics of the current reporting period as well as metrics from the previous five months. More information on quality of service can be found in the A.1 Platform report.[16]

	Jan 19	Feb 19	Mar 19	Apr 19	May 19	Jun 19	Jul 19
Europeana Collections							
Load (rpm[17])	553 rpm	879 rpm	741 rpm	553 rpm	541rpm	664rpm	689rpm
Response times (seconds)	1.56	1.1	1.35	1.67	1.29	1.07	1.08
Uptime[18]	99.95%	99.79%	99.3%	99.17%[19]	99.88%	99.79%	99.90%
Europeana APIs							
Load time (rpm)	1,080	1,362	1,441	1,098	1,278	1,199	1,240
Response times (seconds)	0.15	0.16	0.22	0.26	0.20	0.16	0.24
Uptime	99.99%	99.68%	99.35%	99.98%	99.96%	99.96%	99.74%
Europeana Pro[20]							
Response times (seconds)	0.91	0.80	0.84	0.80	0.73	0.82	0.76
Uptime	100%	99.99%	100%	99.99%	100%	100%	100%

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[15] Figures reflect status of current production services. Figures are average response times.
[16] Available on request.
[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 separate environment with a different provider we can switch to.
[20] Load time (rpm) for Europeana Pro will we reported on starting from next period report.

5. API usage metrics

EF collects monthly usage statistics for the Europeana REST API[21], as the main API of the Europeana platform.

	Jan 19	Feb 19	Mar 19	Apr 19	May 19	Jun 19	Jul 19
Europeana Collections							
Number of users that exceeded the average of 5 calls a day	76	74	69	65	75	68	57
Number of users that were active for more than 5 days in each month	70	74	72	62	71	62	61
Total number of users	169	168	150	171	180	181	141
Number of sign-ups	43	40	38	56	68	48	52

6. 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 July figures reflect the time frame 1 September 2018 until 31 July 2019.

Work package	Foreseen Percentage of the full contract value in the tender	Sep 18	Nov 18	Jan 19	Mar 19	May 19	Jul 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%	55.94%
2. Content supply	**10.95%**	12.28%	10.88%	10.32%	10.23%	10.35%	10.54%

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[21] https://pro.europeana.eu/page/europeana-rest-api

3. Fostering content reuse of digital cultural heritage resources	**9.69%**	9.50%	9.76%	9.48%	9.68%	10.01%	10.17%
4. Communication and dissemination	**8.93%**	11.09%	8.47%	8.14%	8.03%	7.98%	8.12%
5. Animate and further enlarge the Europeana Network Association	**6.44%**	6.13%	7.06%	9.33%	8.84%	8.33%	7.88%
6. Studying the impact of digitisation and reuse of cultural heritage	**1.32%**	1.07%	1.32%	1.21%	1.07%	1.03%	1.15%
7. Governance	**1.96%**	0.00%	0.31%	0.19%	0.32%	0.44%	0.36%
8. Phasing-in and phasing-out period	**0.50%**	0.06%	0.03%	0.02%	0.03%	0.02%	0.02%
9. Project and programme management	**3.11%**	5.79%	6.06%	5.95%	5.72%	5.78%	5.82%
Total	**100%**	**100%**	**100%**	**100%**	**100%**	**100%**	**100%**

7. Deviations, change requests and adjustments

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

The consortium partner Deutsches Filminstitut - DIF e.V. (DIF), Germany changed its legal name to Deutsches Filminstitut & Filmmuseum (DFF).

8. 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.

9. Communication and dissemination activities[22]

The table below lists reference papers or presentations (KPI 2.13) that we contributed to in June and July.

Name of event/publication	Activity	Location	Date
Digital Humanities conference (DH2019)	Workshop "Next Generation Research with Europeana: the Humanities and Cultural Heritage in a Digital Perspective'[23]	Utrecht, The Netherlands	09/07/2019
Information Journal	Publication of research journal article "Aggregation of Linked Data in the Cultural Heritage Domain: A Case Study in the Europeana Network"[24]	Online	30/07/2019
Workshop on Quality of Open Data (QOD 2019) at the BIS Conference	Publication and presentation of research paper "Technical usability of Wikidata's linked data"	Seville, Spain	26-28/06/ 2019
IIIF Conference	Presentation "Metadata aggregation of IIIF Resources at Europeana: status and plans" and panel "Interoperable Platforms and CLIR Initiatives: A Global Perspective"[25]	Göttingen, Germany	24/06/2019
OpenEdition Press	Publication of research journal article "Availability of Cultural Heritage Structured Metadata in the World Wide Web"[26]	Online	12/06/2019

The table below lists external conferences and events attended as well as publications by the consortium in the period between June and July 2019. Outreach activities as part of the individual tasks are listed in the periodic report.

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[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 B.2 and D.1 deliverables.
[23]

https://pro.europeana.eu/page/next-generation-research-with-europeana-the-humanities-and-cultural-heritage-in-a-digital-perspective
[24] https://www.mdpi.com/2078-2489/10/8/252/htm. Extended version of an earlier conference paper (BigData 2018) in an open access journal.
[25] https://iiif.io/event/2019/goettingen/
[26] https://books.openedition.org/oep/9024. Extended version of an earlier conference paper (BigData 2018) in an open access journal.

Outreach events attended by the consortium

Partner	Name of event	Activity	Location	Date	Link
SPK	2nd Baltic Summer School Digital Humanities	Open Lecture "The many uses of digitized newspapers"	Riga, Latvia	23/07/2019	http://www.digitalhumanities.lv/bssdh/2019/Programme/
INESC-ID, EF	Workshop "Next Generation Research with Europeana: the Humanities and Cultural Heritage in a Digital Perspective'		Utrecht, The Netherlands	09/07/2019	https://pro.europeana.eu/page/next-generation-research-with-europeana-the-humanities-and-cultural-heritage-in-a-digital-perspective
AIT-Graz	Publication of reportage "Digitale Horizonte"	Reportage on Austrian Digital Library Conference including information on Europeana, transcribathons, collection days, crowdsourcing, LinBi and OpenUp!	B.I.T. online 22 (2019) Nr. 3 (online and print)	01/07/2019	https://www.b-i-t-online.de/heft/2019-03-index.php
CARARE	Archaeology and Architecture in Europeana	Highlighting the value of archaeology content in Europeana for research, education, etc.	Amersfoort, Netherlands	28/06/2019	https://www.carare.eu/events/archaeology-architecture-europeana-2019/
Photocons	Vernissage of Arno, Compagno di Vita	Introductory talks highlighted Europeana	Pisa, Itlay	28/06/2019	https://www.photoconsortium.net/arno-compagno-di-vita-exhibition-in-pisa-28-june-2019/

	photographic exhibition	as an important resource to be aware of, for educators, teachers, students, culture lovers etc.			
EF	2019 Public Domain and Open Source Conference	Keynote Speaker	Seoul, Korea	27/06/2019	http://gonguconference.kr/2019/sub5_e.html
EFF	ACE General Assembly	Promotion of EFG to attract European film archives and cinematheques as data partners	Bologna, Italy	25/06/2019	
EF	IIIF Conference	Speaker, Executive Committee, Working groups	Göttingen, Germany	24-28/06/2019	https://iiif.io/event/2019/goettingen/
EF	New Challenges Regarding Copyright in the Digital Single Market Conference	Speaker	Bucharest, Romania	19/06/2019	https://www.romania2019.eu/event/new-challenges-regarding-copyright-in-the-digital-single-market-conference/
EF	OCLC IIIF Mini-Symposium	Speaker	Leiden, Netherlands	19/06/2019	https://www.oclc.org/research/events/2019/061919-oclc-mini-symposium-discovery-use-open-collections.html
Photocons	Workshop & vernissage WeAre#EuropeForCulture	Use of Europeana Collections in a workshop with	Krakow, Poland	10-11 & 28/06/2019	https://www.photoconsortium.net/czas-wolny-na-swiezym-powietrzu-exhibition-in-krakow-28-june-2019/

		16&17-year-old students from Tadeusz Kościuszko Highschool.			
EF	Web Archiving Conference: hosted by National University Library, in cooperation with the International Internet Preservation Consortium (IIPC)	Keynote Speaker	Zagreb, Croatia	06-07/06/2019	http://netpreserve.org/ga2019/
Euroclio	European Commission ET 2020 Working Group on Promoting Common Values and Inclusive Education Peer Learning Activity #2: Uses and abuses of modern media and Building bridges through history education	Purpose: Share good practices on building bridges through history education with representatives of the EU member states.	Brussels, Belgium	05/06/2019	https://ec.europa.eu/education/policies/european-policy-cooperation/et2020-working-groups_en
Photocons	Annual event 'Intepreting past and present through photographic archives and collection'	Talks highlighted the role of Europeana particularly in the field of education and for spreading	Helsinki, Finland	05/06/2019	https://www.photoconsortium.net/photoconsortiums-annual-event-2019-helsinki-4-5-june/

		culture also via innovative storytelling approaches.			
SPK	(In)Visible Europe - exemplary EU projects in Berlin	EU brochure by Senate of Berlin with an entry on Europeana Newspapers "400 years of history in 10 million newspaper pages from all over Europe" (in German)	Berlin (online)	June 2019	https://www.berlin.de/sen/europa/_assets/srvice/korrigierte_fassung_juni_2019.pdf

10. Progress on deliverables (M1-M24)

This table states progress on deliverables and what deliverables were submitted to EC.

Deliverable number	Description	Due month	Status
A.1	Platform reports	Every 10 months, starting M10	M10 Delivered to EC
B.1	Implementation Plan	Every 6 months, starting M1	M, M6, M12 Delivered to EC
B.2	Periodic reports	Every 2 months, starting M2	M2, M4, M6, M8, M10, M12 Delivered to EC
B.3	Activity reports	Every 2 months, starting M2	M2, M4, M6, M8, M10, M12 Delivered to EC
B.4	Annual report	Every 12 months, starting M12	M12 Delivered to EC
B.5	Final report	Last month of the contract (M24) or M36/48 in case of renewals	
C.1	Technical documentation	Every 9 months, starting M9	M9 Delivered to EC
C.2	Users and usage report	Every 5 months, starting M5	M5, M10 Delivered to EC

C.3	Content supply & reuse reports	Every 10 months, starting M10	M10 Delivered to EC
C.4	Stress and disaster recovery test reports	Every 9 months, starting M9	M9 Delivered to EC
D.1	Communication and dissemination plan	Every 9 months, starting M1	M1, M9 Delivered to EC
D.2	Study on impact of digitisation and reuse of cultural heritage	October every second year, starting Y2	M14 In progress
E.1	Transfer of assets and liabilities report	Every 10 months, starting M1	M1, M10 Delivered to EC
E.2	Transfer process report	Every 10 months, starting M1	M1, M10 Delivered to EC
E.3	Employed staff report	Every 6 months, starting M1	M1, M6, M12 Delivered to EC

11. Update on risk assessment

Related to	Risk	Likelihood of occurrence	Impact	Mitigation strategy
WP1:				
MS1 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.
KPI 1.1 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 1.2 Engagement on Europeana products: returning visitors	Product/content not good enough to encourage people to return	Medium	Medium	Curated content series, retargeting

KPI 1.3 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 1.4 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
MS1 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.
MS10 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
WP2				
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.
KPI 2.8 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 2.9 Data available for Distribution - 30% Data in tier 3 or higher	Same as KPI 2.8	Medium	Medium	Same as KPI 1.7

KPI 2.11 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.
WP3				
MS50 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.
WP4				
KPI 4.4 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
WP5				
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.

12. 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	Registered Trademark(s)	Stichting Europeana

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;		
The metadata databases, digital object databases and source code; software licences; computers and usage rights over leased computers and computer storage, hosting and connectivity agreements;	Licenses, database rights and copyright	Stichting Europeana
All rights which the Stichting Europeana holds under its agreements with data providers (the Data Exchange Agreements), concluded before 31 August 2017.	License(s)	Stichting Europeana

2. 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/edition, 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, publication/indexing, previews, conversion to EDM, delivery to Europeana, downloads, dashboard profiles, reports, creation/edition, etc.), XSLT-s, schema files, etc.	Copyright	APEF APEF partners for translations of 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 documents from project meetings and working groups, etc.)	Copyright/licenses	APEF
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 Forschungsgesellsch aft mbH (AIT)

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

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
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)

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

9. Stichting Digitaal Erfgoed Nederland (DEN)

Pre-existing material	Rights to pre-existing material	Identification of rights holder
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. DFF - Deutsches Filminstitut & Filmmuseum e.V. (DFF)

Pre-existing material	Rights to pre-existing material	Identification of rights holder
Any document or digital object created by DFF before 31 August 2017, whether published or not	Copyright	DFF
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	DFF
The europeanfilmgateway.eu domain name	Registered Trademark(s)	DFF

11. Deutsche Nationalbibliothek (DNB)

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

12. Europeana Fashion International Association (EFASHION)

Pre-existing material	Rights to pre-existing material	Identification of rights holder
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	Licenses, database rights and copyright	eFashion

usage rights over leased computers and computer storage, hosting and connectivity agreements;		

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)

Pre-existing material	Rights to pre-existing material	Identification of rights holder
Any document or digital object, created by EUROCLIO or granted to EUROCLIO by third parties, before 31 August 2017, whether published or not;	Copyright	EUROCLIO
The source code of the Historiana website.	Open Licenses	EUROCLIO and Webtic
The domain names www.euroclio.eu www.historiana.eu www.historiana.org		EUROCLIO

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
Any document or digital object, created by Facts & Files, before 31 August 2017, whether published or not;	Copyright	Facts & Files
The domain names www.transcribathon.eu, www.transcribathon.com	Licenses, database rights and copyright	Facts & Files
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)

No pre-existing rights exist

17. Stichting Nederland Kennisland (KL)

Pre-existing material	Rights to pre-existing material	Identification of rights holder
Any document or digital object, created by Kennisland, before 31 August 2017, whether published or not;	Copyright	Kennisland
The Art Up Your Tab browser extensions for Chrome and Firefox	Copyright	Kennisland, Studio Parkers and Sarako
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.

Pre-existing material	Rights to pre-existing material	Identification of rights holder
Any document or digital object, created by Michael Culture Association, before 31 August 2017, whether published or not	Copyright	Michael Culture AISBL
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

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.

Pre-existing material	Rights to pre-existing material	Identification of rights holder
Any document or digital object, created by Photoconsortium association or its members, before 31 August 2017, whether published or not	Copyright	Photoconsortium and its members

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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Any document or digital object, created by Stiftung Preussischer Kulturbesitz, before 31 August 2017, whether published or not;	Copyright	Stiftung Preussischer Kulturbesitz
The domain name www.europeana -newspapers.eu	License	Stiftung Preussischer Kulturbesitz