



Europeana DSI 2– Access to Digital Resources of European Heritage

Deliverable

D6.2 EuropeanaTech community activity report

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Introduction

EuropeanaTech represents the R&D community within the greater Europeana Network Association. The EuropeanaTech community provides the expertise and technical know-how that allows Europeana to keep growing and improving on key issues such as data quality, data modelling, data enrichment, multilingual access, search and discovery, software development and more. Together, we make sure that Europeana doesn't just keep up-to-date where technology is concerned; it leads the way.

The core EuropeanaTech team consists of representatives from Europeana Foundation, Netherlands Institute for Sound and Vision, Austrian Institute of Technology, Austrian National Library, University of Sheffield, Humboldt University, and INESC-ID R&D Institute. These institutes take on core responsibility to coordinate, gather, share and execute integral R&D work for Europeana.

Engaging the EuropeanaTech community is done in a variety of ways. As the opportunity for face-to-face meetings is rare, channels such as the long-standing mailing list, @europeanatech Twitter account¹, Europeana Pro², and our very own publication EuropeanaTech Insight³ serve as key outlets for remotely engaging the community. Furthermore, EuropeanaTech representatives are regularly in attendance or presenting at various sectorally relevant conferences and workshops. As well, EuropeanaTech has led pivotal Task Forces in the past which propel Europeana forward with the invaluable expertise and input from the EuropeanaTech community.

EuropeanaTech serves as a representative body for the Europeana Network in key external communities. For example, EuropeanaTech is active in international efforts such as the International Image Interoperability Framework (IIIF), LODLAM, Wikidata, Samvera (formerly Hydra) and many more. EuropeanaTech was also present in numerous Europeana projects over the past few years such as

Now as part of DSI-2 EuropeanaTech has a bigger responsibility to share and understand results from the Europeana Network to guarantee wide transfer of information and absorb best practice information to improve Europeana's growth. Furthermore, this transfer is a two-way street and with so few R&D departments in the Network, EuropeanaTech must share and transplant internal and external solutions to progress a lowest common denominator for the Europeana Network member's R&D knowledge.

¹ <https://twitter.com/EuropeanaTech>

² <http://pro.europeana.eu/get-involved/europeana-tech>

³ <http://pro.europeana.eu/page/europeanatech-insight>

Overview of EuropeanaTech Community Channels for Engagement

EuropeanaTech makes use of multiple online channels to convey news, reports, garner feedback and publish papers. These channels are keys for keeping a flow of information to and from the community. Many of these platforms have been in place for over 5 years including the EuropeanaTech mailing list and EuropeanaTech Twitter account. Over the past few years due to the renewal of Europeana Pro, EuropeanaTech has been able to more easily publish blogs as well as develop a publication, EuropeanaTech Insight and the EuropeanaTech Insight Newsletter all of which allow for a wider range of engagement and dissemination work.

Synchronization of data sources

The @EuropeanaTech Twitter account was created as part of the EuropeanaConnect project in September 2010.

Usage

As outlined in MS28 *Overall Coordination Plan for R&D Dissemination Activities* from DSI-1, the EuropeanaTech Twitter account is primarily used for Tweets related to core EuropeanaTech activities⁴. Therefore a large portion of other dissemination occurs by simply relaying Tweets from community members or messages considered relevant for community members thereby serving as an echo chamber of relevant news, updates and activities for the community. Over the time period of DSI-2 @EuropeanaTech sent 100 Tweets.

Growth and audience

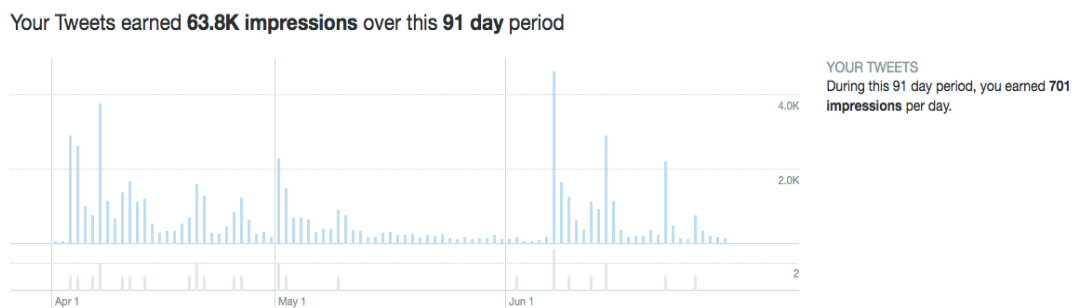
As of 18/7/2017 the account has 2,927 followers, a growth of 423 followers over the past year which is an average of 32 new followers per month. This shows a continued and steady growth since the introduction of a Community Manager during the second half of Europeana v2.0. For instance in May 26, 2014 @EuropeanaTech had 1,277 followers and has maintained a steady growth of over 500 new followers every year.

Being part of the Europeana Network, @EuropeanaTech is a niche subset of a larger network. Therefore, to better serve this audience, the account maintains a tight focus on sharing content relevant for EuropeanaTech and technical digital cultural heritage work. This curation ensures @EuropeanaTech stays a reliable marker for the community around which they can expect trusted, relevant updates. However, when needed, @EuropeanaTech can piggyback on the @Europeanaeu account and its 29,000 followers when a message is relevant and accessible for such a large swath of individuals.

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http://pro.europeana.eu/files/Europeana_Professional/Projects/Project_list/Europeana_DSI/Milestones/europeana-dsi-ms28-overall-coordination-plan-for-rd-dissemination-activities.pdf

Engagements



Engagements April 1 - June 30 2017

For the duration of DSI-2 EuropeanaTech Twitter impressions remained consistent with DSI-1 impressions with the varying degree for impressions settling between several thousand to over 30,000 depending on Twitter activity. It should be noted that impressions do not include or account for relaying Tweets from 3rd parties. Therefore, @EuropeanaTech's role as an echo chamber for the community is not reflected in these numbers.

EuropeanaTech Insight Journal and Newsletter

EuropeanaTech Insight was launched as a pilot during Europeana v 3.0 to investigate developing a channel through which the EuropeanaTech community R&D results can be showcased through an engaging online multimedia publication that is more stable than a blog and less technical than academic papers.

EuropeanaTech Insight was formatted on Europeana Pro to be a "long form" reader, in lieu of developing a new platform specifically for Insight and to differentiate the periodical from the other dissemination outlets available on Europeana Pro. EuropeanaTech Insight encourages contributors to provide multimedia in addition to a short and accessible text of approximately 750 words. The purpose of both these editorial requirements is to make the issues clearer for those unfamiliar with R&D work in the cultural heritage domain.

Since the beginning of EuropeanaTech Insight there were multiple discussions related to the considerable amount of effort required to coordinate, engage, collect, edit and publish and requires input as well as goodwill from contributing partners. Therefore as an interim addition to EuropeanaTech's communication efforts, we launched the EuropeanaTech Insight Newsletter. This newsletter collects and disseminates calls to actions, conference reports, conference slides and news with the community via the EuropeanaTech mailing list.

Usage

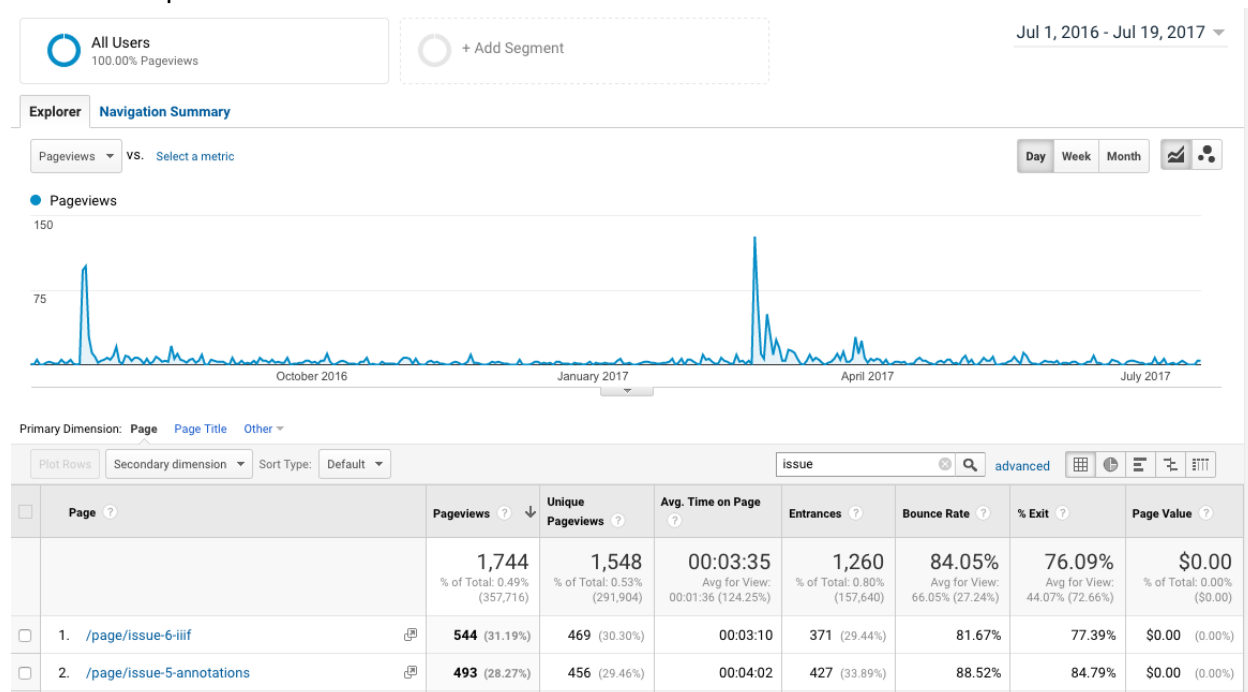
Since the launch of EuropeanaTech Insight two new issues have been published, an issue on annotations and another on IIIF activities. In addition to the journal publications the EuropeanaTech Insight Newsletter has been disseminated 4 times since the start of DSI-2.

Determining when to publish for EuropeanaTech Insight is difficult as the focus is on relevance and quality. It was determined that EuropeanaTech Insight should only be used when it can be connected to relevant events such as the 2016 iAnnotate Conference and Europeana’s membership in the IIIF. A third EuropeanaTech Insight issue regarding the 2017 LODLAM conference is forthcoming near the conclusion of DSI-2.

EuropeanaTech Insight Newsletter is published steadily published every several months. The newsletter encompasses a wide-range of topics including presentations by EuropeanaTech partners, R&D related news and updates from Europeana, upcoming calls for papers, upcoming relevant events, survey dissemination and more. The newsletter allows EuropeanaTech a direct means to communicate large amounts of news and information to the community to keep them informed and to garner feedback.

EuropeanaTech Insight

EuropeanaTech Insight remains a considerably successful outlet for publishing and sharing R&D results from the EuropeanaTech community. Each issue gains hundreds of views and the article continue to gain attention even years after their initial publication. Contrary to a blog, having a publication page for EuropeanaTech offers a sense of permanence and professionalism that academics and heritage professionals come to expect for when presenting technical aspects of their research.

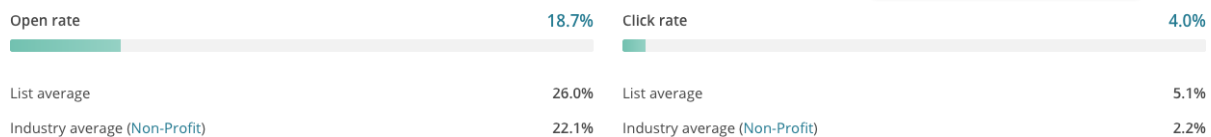
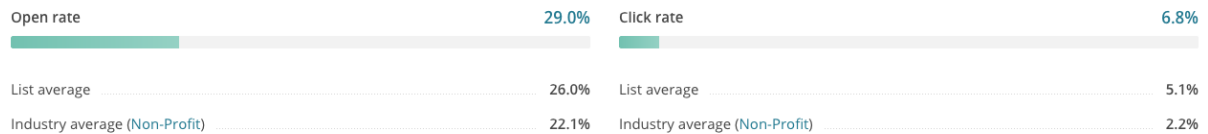


EuropeanaTech Insight Newsletter

The EuropeanaTech newsletter is a new addition to the EuropeanaTech dissemination channels. It began in January 2016 and there have been 6 newsletters 4 of which were part of

DSI-2. Unlike the general Europeana newsletter EuropeanaTech does not regularly have bulk amounts of information to share, therefore the need for a few months of collecting is necessary to make a substantial newsletter delivery.

Despite the quarterly publish schedule, the newsletter performs equally as well as the Europeana Network Members Association newsletter with an average open rate near 33% and a link click rate between 6%-7%.



EuropeanaTech Insight Newsletter performance rates

Europeana Pro

Europeana Pro is the professional focal point for the Europeana Foundation and the Network Association. The platform hosts important information about project activities, members, data quality. Europeana Pro is also the home of Europeanatech blog posts.

Usage

EuropeanaTech utilizes Europeana Pro as the main public access point for information and documentation covering over half a decade of work. The key entry points for EuropeanaTech are:

- Contribute to EuropeanaTech
 - Information about EuropeanaTech, how to become a member and how one can contribute to EuropeanaTech efforts.
- EuropeanaTech Insight
 - Listing of past EuropeanaTech Insight publication and newsletters
- EuropeanaTech Task Forces

- Listing and brief description of EuropeanaTech Task Forces both past and present with direct links to the final recommendations.
- Data Quality Committee
 - Documentation, information, reports and more related to Europeana's ongoing data quality work
- FLOSS Inventory
 - Direct access to information about EuropeanaTech's ongoing FLOSS advocacy and link to the FLOSS Inventory.
- Technical Readings
 - Listing of past White Papers, Reports, Deliverables and more related to EuropeanaTech work and areas of focus.

Aside from being the repository for EuropeanaTech documentation, EuropeanaTech makes periodic usage of the Europeana Pro blog to announce papers, projects, news or highlight project outcomes.

Europeana Pro is also where EuropeanaTech publishes reports as well as EuropeanaTech Insight making it a key platform for any and all substantial research outcomes by the team.

Results

The only measurable aspects with regards to Europeana Pro aside from EuropeanaTech Insight are the blogs shared by EuropeanaTech members. A full list of EuropeanaTech blogs is available in Annex 1.

EuropeanaTech at events

While the majority of EuropeanaTech community coordination and engagement happens virtually, events are vital to sustaining relationships and connections with members of the community in a more personal and direct manner. EuropeanaTech is present at many events throughout the year. With a wide range of topics to engage with and the numerous number of conferences and workshops that occur within the cultural heritage sector there is no shortage of opportunities to liaise with peers, share results and discuss the future of R&D in cultural heritage. A full list of events presented at is available in Annex 2.

Role of EuropeanaTech at events

EuropeanaTech attends events in various capacities. Most often EuropeanaTech is present in a speaker or workshop coordinating capacity, presenting scientific papers or facilitating discussions relevant for the sector usually pertaining to data quality, annotations or the various forms of web access to digital cultural heritage items. For the duration of DSI-2 EuropeanaTech was present at over 25 events around the world.

EuropeanaTech predominantly presents on the key topics of data quality, data enrichment, annotations, multilinguality, IIIF, data models and vocabularies. Due to Europeana's unique situation of being a large, multicultural, multifaceted initiative Europeana's innovative relevance is increased and has large appeal as smaller, similar initiatives start to grow for instance DPLA and DigitalNZ.

Members of the EuropeanaTech core team also serve as programme committee members or reviewers for numerous workshops and events. This includes but is in no way limited to Dublin Core⁵, International Semantic Web Conference⁶, Linked Open Data: Libraries Archives & Museums⁷, Joint Conference on Digital Libraries⁸, Theory and Practice of Digital Libraries⁹, Metadata and Semantics Research Conference¹⁰ more.

Furthermore, EuropeanaTech community members are omnipresent at R&D cultural heritage events around the world presenting their work which often connects to Europeana related activities.

More work can be done by EuropeanaTech to coordinate the community when they're presenting or present at conferences. This includes requesting reflective blogs from conferences, sharing of slides, and social media activity to make clear that EuropeanaTech is represented in some capacity at said events.

Europeana Task Forces and Working Groups

Task Forces and Working Groups are a key aspect to engaging in meaningful and long term discussions with members of the EuropeanaTech community to better understand and develop recommendations and execute solutions for R&D related problems. This section elaborates on two of the task forces conceived and executed during DSI-2.

IIIF

Europeana Foundation and a handful of network members have found great value in IIIF's products, services and its community but a large portion of the Europeana Network is unaware or unsure of IIIF and how it works. To investigate this further, EuropeanaTech launched the IIIF Task Force led by the Austrian National Library.

⁵ <http://dublincore.org>

⁶ <https://iswc2017.semanticweb.org/>

⁷ <https://summit2017.lodlam.net/>

⁸ <http://www.jcdl.org/>

⁹ www.tpd.eu

¹⁰ <http://www.mtsr-conf.org/>

The purpose of the Task Force was to identify the current trends and tendencies towards the handling of the emerging IIIF technology on the part of the Europeana content providers. To achieve this objective the Task Force members conducted a survey on the use of and awareness of IIIF amongst the Europeana Network. This survey allowed identifying possible implementation problems and requirements on the part of Europeana stakeholders regarding the IIIF framework. It enables the identification of first point of contact for partners who want to work with IIIF or is willing to be involved in future IIIF-related activities. It also discussed what role Europeana Foundation wants expert hubs and aggregators to play.

In addition, the Task Force evaluated what the necessary consequences are for the Europeana Foundation..,

The findings from the Task Force and respective recommendations make it clear that while a portion of the Europeana Network is aware of IIIF and currently implementing it or experimenting with it, adoption of IIIF by the entire Network would require a considerable amount of coordination work

However, IIIF offers a fantastic opportunity for the entire heritage sector to contribute to, make use of and expand a suite of very relevant and powerful solutions for sharing and presenting digital content online. Equally, it can connect the sector around a shared service, better connecting institutes around the world.

The entire Task Force charter is available here and the final report is available¹¹.

IIIF Task Force Community Survey

The core of the Preparing Europeana for IIIF Involvement Task Force was the extensive survey drafted and disseminated by the team. The survey sought to investigate the awareness and proliferation of IIIF within the Europeana Network. This was deemed pivotal because for the past 6 years, since IIIF began, the majority of community efforts and IIIF adoption have been done in the USA¹². Before Europeana can efficiently and collectively move towards adopting and implementing IIIF as a way to serve and share images, the IIIF Task Force seeks to understand the level of awareness and use of IIIF amongst Europeana Network members.

Despite this survey being IIIF centric it provided new insights into the EuropeanaTech community.

The disparity between EuropeanaTech and Europeana Network members' technical teams is large and there is little synergy between technologies and systematic implementation of Open Source tools. In a sense, the Europeana Network is just as diverse technologically as it is culturally. This presents problems if the Network is to reach a level of consistent implementation across the board and resonates with the FLOSS work by EuropeanaTech which advocates for more developer collaboration and interoperability.

¹¹ <http://pro.europeana.eu/taskforce/iiif>

¹² <http://iiif.io/community/#participating-institutions>

The survey received a good amount of answers but it could have been higher. One issue was that the survey was only provided in English and we suspect that we would have reached more members of the Europeana Network and EuropeanaTech community with a multilingual survey. This element will be taken in account in future similar efforts.

EDM Governance

As defined in its Business Plan¹³, Europeana plays a key role in making sure “the cultural heritage sector remains interoperable and efficient”. The continuous development and maintenance of the Europeana Data Model (EDM) enables data exchange of cultural heritage metadata and guarantees its interoperability. The Europeana Network has had a vested interest in EDM and its development since the project’s conception. Numerous Europeana projects have contributed specifications extensions to EDM or have re-used the model such as the Digital Public Library of America. All of which was possible due to EDM’s decentralised development process allowing the creation of “profiles” without Europeana having to update the core model.

However there are still standing questions regarding:

- Europeana’s role in the maintenance of a core EDM and in the creation of new extensions of the model. This process should be made transparent to the whole community so that everyone understands their role in this interoperable yet diverse ecosystem of cultural heritage data.
- EuropeanaTech community role in the definition of the core EDM and its extensions. A more controlled process might now be required involving a review processes documentation procedures as happens for other standards in the community.

A proposal for an EDM governance Task Force was submitted in the course of DSI-2 with the objectives to:

- identify the current issues of the EDM development process;
- propose roles and responsibilities for the different actors involved in the development and maintenance of EDM (mainly Europeana and its data partners);
- define best practices for the definitions and maintenance of EDM Core;
- define best practices for the definitions and maintenance of EDM mappings, profiles and extensions;
- define a set of processes on top of which a future governance model for EDM could be built.

This Task Force will start in the autumn of 2017 and will involve EuropeanaTech community members to further collectively discuss the development a solution for the future of EDM.

¹³ <http://pro.europeana.eu/publication/spreading-the-word-business-plan-2017>

Data Quality Committee

The Data Quality Committee¹⁴ is a standing committee that works on the various facets of the data quality challenge with a particular focus on reuse and discovery of cultural heritage data. Data quality is one of Europeana's most important areas of work. Recently, Europeana has taken a "less is more" mantra for the coming years, and tries to push less but higher quality data into the Europeana platform that is more "fit for purpose". In light of the Europeana Publishing Framework and the past Task Forces on metadata quality and enrichment, Europeana is working on metadata specific recommendations for quality improvements.

The Committee directly involves the EuropeanaTech community, featuring members from around Europe who provide their expertise and critical eye to dissect and investigate data quality issues and solutions.

FLOSS

Since Europeana v2.0 EuropeanaTech has had a vested interest in open source development, sustainability of open source products, open source advocacy and coordination with the international open source cultural heritage developer community. The bulk of this work has been done through the management of the FLOSS Inventory, a running list of available open source tools relevant for the cultural heritage sector. This inventory has been supplemented by a FLOSS Task Force which evaluated the standing of the inventory and provided recommendations for its future development. Community engagement work for the FLOSS Inventory includes the long standing *Who's Using What?* Developer spotlight column on Europeana Pro and previously collaborative effort between members of Hydra and Fedora to discuss and present findings regarding the standing of Open Source development in the EU at Open Repositories 2016.

Research outline

In continuation of the FLOSS community work, EuropeanaTech will investigate the nuanced operations of open source communities for further guidance and recommendations regarding the strengthening of the EuropeanaTech developer community. This is becoming increasingly necessary as funding streams dwindle and the need for trans-national collaboration and interoperability become the norm.

EuropeanaTech brings together a network of technologists and researchers from the wider Europeana Network.

Much work has been done by EuropeanaTech with regards to steering topics such as multilinguality, data modelling, data quality and Linked Open Data but there is still much room for improvement when it comes to technical product development practices and workflows, especially with regards to open source products and community.

¹⁴ <http://pro.europeana.eu/page/data-quality-committee>

It is the belief of EuropeanaTech that there is a need for a more cohesive and collaborative developer ecosystem within the community. Currently many projects and initiatives develop products and services that are released as “open source”, but the commitment to community development and documentation are often not executed to their full potential during the project, and after the project few efforts are made for improvement. Therefore it is the hypothesis of EuropeanaTech that if a clear understanding of the perception of “open source” and “open innovation” held by the EuropeanaTech community is obtained, then comprehensive guidelines can be established which benefits collaboration and efficiency in technical development related to Europeana and the wider digital heritage domain.

EuropeanaTech will therefore conduct research to gather this vital information. The research will take the form of desk research i.e. reading papers and reports that have in the past assessed open source releases and community both in the EU and the USA. This research will then be updated through a survey that will be widely distributed. Furthermore, anecdotal evidence will be gathered through conversations with specific individuals that represent a wide range of stakeholders including department managers, project leaders, product owners and developers. Lastly, EuropeanaTech will investigate multiple products developed as part of large EU projects in the past 6 and assess what efforts were taken to document and sustain said products.

The key research questions will be:

1. What is the Europeana Network’s perception and definition of “open source”?
2. How do Europeana related projects define, implement and promote open source in their projects and work
3. To what extent do individuals and institutes in the Europeana Network not only use, but contribute to, engage with and sustain established open source platforms?
4. What can be learned through Best Practice examples from key open source community leaders and developers
5. How do European funding opportunities impact sustained Open Source development and community development and how does this differ from US funding models
6. Conclusions and recommendations to improve sustain and accelerate open source product and community development.

This project will specifically address the Europeana Network although references and use cases from around the world will be integrated to demonstrate best-practice and testimonials as well as used for comparative argumentation. Furthermore, open source can be applied to a wide range of products which serve multiple purposes. This project will focus primarily on heritage specific tools that are large scale and widely relevant. Bespoke, institutional specific tools that are open source will not be considered as they do not demand nor need a community behind them.

This work will be concluded before the end of 2018 in a report form along with recommendations for future work and investigations.

EuropeanaTech Involvement in IIF

In recent years the International Image Interoperability Framework (IIF) has emerged as a set of standards to facilitate better and faster access to image resources on the web. IIF is becoming widely implemented by cultural heritage institutions, universities as well as in research institutions, especially in the USA and UK. Europeana Foundation has a vested interest in IIF and the coordination of Europeana's involvement in IIF. During DSI-2 EuropeanaTech initiated, conducted and coordinated multiple efforts to further involve Europeana in the IIF community while also involving the Europeana community in IIF in effect to raise the awareness of IIF and assess the Europeana Network Association's readiness for IIF involvement.

Background

In the fall of 2016 Europeana officially joined the IIF consortium as a founding member. Prior to this formal partnership, Europeana was regularly involved in IIF work including sitting in on a IIF panel at DPLA 2016, the 2016 IIF Conference, as well as attending IIF Working group meetings in London and Ghent.

Activities

During DSI-2 EuropeanaTech was more seriously involved in IIF activities. This section outlines that work.

IIF Working Group Meeting

Europeana was invited to host an IIF Working Group meeting October 19-21, 2016 in The Hague. The three day event invited over 50 attendees to discuss the workings and future activities for the entire IIF community.

Preceding the 3 day event in The Hague, was a separate IIF Outreach Meeting at the Rijksmuseum for those newly interested in IIF. This half day event served as an opportunity for members from institutes, primarily in the Benelux region to get a crash course on IIF, the community and what they do.

The event marked the first time that IIF and Europeana directly collaborated on such a large scale. The event significantly bridged the Europeana and IIF communities.

Reports and Blogs

EuropeanaTech has also published several reports, blogs and papers related to IIF during the duration of DSI-2.

The blogs related to IIF include those documenting Europeana's growing involvement in the initiative¹⁵¹⁶ along with a Who's Using What FLOSS develop spotlight with Rshami Singhal¹⁷, one of the lead developers for IIF tool, Mirador¹⁸. Lastly, a comprehensive use-case study on the University of Heidelberg Library. The case study, described the work undertaken on improving the mapping between the sources METS¹⁹ data to EDM, as well as the data modelling required to support the IIF resources available at the data partner's side. The resulting collections now benefit from richer metadata, in the form of additional metadata elements and explicit links to Linked Open Data resources; but also from the visualisation features offered by the IIF standard²⁰.

IIF as a community involvement use-case

The past year of DSI-2 activities pertaining to IIF have been a perfect example of EuropeanaTech facilitating, engaging with and progressing an overarching agenda championed by Europeana Foundation and relevant for the community at large.

EuropeanaTech's role is to progress Europeana's R&D agenda while coordinating and steering activities within the community. This steering includes sharing information and taking the Europeana Network into consideration during all activities. Since IIF is fairly new to Europe in the past several years, it provides a unique opportunity for Europeana to lead the charge on behalf of the Network because the Framework is relevant across the board for every institute wishing to present content online, share data, collaborate on research and more.

The past year of activities: blogs, reports, task force, presentations, meetings showed how committed and involved Europeana is within IIF. Coupled with IIF's strong community laurels and reliance on the community to deliver and progress the initiative's collective goals, it allows EuropeanaTech the opportunity to equally harness the knowledge of its community and synergize with new networks, documenting the whole process for future reflection.

Future plans

This section presents future plans for EuropeanaTech's community activities during DSI-3.

¹⁵ <http://pro.europeana.eu/blogpost/europeana-and-iif-update-oct-2016>

¹⁶ <http://pro.europeana.eu/blogpost/iif-adoption-by-europeana-future-perspectives-for-the-network-1>

¹⁷ <http://pro.europeana.eu/blogpost/who-s-using-what-rashmi-singhai-harvard-university>

¹⁸ <http://projectmirador.org/>

¹⁹ <http://www.loc.gov/standards/mets/mets-schemadocs.html>

²⁰

http://pro.europeana.eu/files/Europeana_Professional/Share_your_data/Technical_requirements/Cases_studies/Heidelbergreport-v0.9.pdf

Events

EuropeanaTech 2018

Events are the best way to gather a community to discuss, share and collectively celebrate work being done. In 2014 EuropeanaTech held its last conference in Paris which was a wild success, seeing talk from some of the world's leading heritage R&D minds and bringing together hundreds of technical staff from across the world. During DSI-3 a EuropeanaTech event is slated to occur in spring of 2018. The location and topics for this event have yet to be determined.

EDM Workshop

Following the success of the EDM turns 5 workshop held in 2015 as part of the AGM, EuropeanaTech will be facilitating another EDM centred workshop to measure progress and continue long-term planning for EDM's future, engaging the Network to provide their vital input.

EuropeanaTech at Events

EuropeanaTech is already planning ahead to attend and present at several events during DSI-3. These include Semantics 2017²¹, SWIB²², plus multiple papers having been accepted to TPD²³.

Publications

EuropeanaTech Insight

More efforts will be taken during DSI-3 to find opportune times to publish EuropeanaTech Insight journal issues to resume a steady schedule, of one every 4 months. The EuropeanaTech Conference will allow for an abundance of interesting and relevant papers to be shared with the community following the conference.

Europeana Pro

As of writing Europeana Pro is going under an extensive face-lift, improving the flow and accessibility of content held within. EuropeanaTech has been consulted to provide feedback on our new sections on Europeana Pro, streamlining and re-aligning content structures with the hopes that more users will find their way to our publications.

²¹ <https://2017.semantics.cc/>

²² <http://swib.org/swib17/>

²³ <http://www.tpd.eu/?p=251>

EuropeanaTech FLOSS Community Research

This forthcoming publication will provide a detailed investigative analysis of the standing of open source development within the EuropeanaTech community and Europeana Network to provide one of the first insights into the community collaborative nature in terms of software development, re-use, sustainability and interoperability.

Annex 1: EuropeanaTech Blogs

Title	Author	URL
Europeana Aligns with IIF	Valentine Charles, Antoine Isaac	http://pro.europeana.eu/blogpost/europeana-aligns-with-the-international-image-interoperability-framework-iif
Europeana and International Image Interoperability Framework - An Update	Antoine Isaac	http://pro.europeana.eu/blogpost/europeana-and-iiif-update-oct-2016
IIF Adoption by Europeana: future perspectives for the Network	Antoine Isaac, Gregory Markus	http://pro.europeana.eu/blogpost/iiif-adoption-by-europeana-future-perspectives-for-the-network-1
Why data partners should link their vocabulary to Wikidata: a new case study	Valentine Charles	http://pro.europeana.eu/blogpost/why-data-partners-should-link-their-vocabulary-to-wikidata-a-new-case-study
Mappings makeover: how to improve data quality	Valentine Charles, Pierre-Edouard Barrault	http://pro.europeana.eu/blogpost/mappings-makeover-how-to-improve-data-quality
And the quest for better metadata quality goes on: an update from the DQC	Valentine Charles, Antoine Isaac	http://pro.europeana.eu/blogpost/and-the-quest-for-better-metadata-quality-goes-on
Who's Using What: Rashmi Singhal Harvard University	Gregory Markus	http://pro.europeana.eu/blogpost/who-s-using-what-rashmi-singhai-harvard-university
Linked Data, Looking Ahead	Valentine Charles, Nuno Freire	http://research.europeana.eu/blogpost/linked-data-looking-ahead

Annex 2: Involvement in relevant events

Event	Date	Location	Presenters	Title of Presentation
PeriodO 2 First Workshop	22-24 August, 2016	Austin, US	Hugo et al.	No title
TPDL2016	5-9 September 2016	Hannover	Hugo et al.	Exploring comparative evaluation of semantic enrichment tools for cultural heritage metadata
NKOS2016	9th September 2016	Hannover	Hugo et al.	Linking subject labels in Cultural Heritage Metadata to MIMO vocabulary using CultuurLink
CLARIN- PLUS workshop: "Working with Digital Collections of Newspapers"	September 2016	Leuven, Belgium	Nuno	Research use of the Europeana Newspapers corpus: past, present and future
Beyond EUDAT2020:Preparin g the future of EUDAT	26 September 2016	Krakow	Nuno	Use Cases for Cultural Heritage Dataset based on EUDAT services
IIIF Outreach Event	18 October 2016	Amsterdam	David	Europeana & IIIF - what we have been doing with IIIF and why
IIIF Working Groups Meeting	19-21 October 2016	Den Haag	Nuno, Greg, Antoine	Making IIIF resources discoverable in Europeana
SWIB 2016	28-30 November 2016	Bonn	Péter Király / Hugo Manguinhas / Valentine Charles / Antoine Isaac / Timothy Hill	Improving data quality at Europeana: New requirements and methods for better measuring metadata qualityl
W3C Workshop Smart Descriptions & Smarter Vocabularies (SDSVoc)	30 November - 1 December 2016	Amsterdam	Antoine	Panel on Content Negotiation
Berliner Bibliothekswissenschaftliches Kolloquium	10 January 2017	Berlin	Maria Gäde, Vivien Petras, Juliane	Vom Suchen und Finden – eine unendliche Geschichte. Heterogenität und Mehrsprachigkeit als Herausforderungen für

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			Stiller	Kulturerbeportale
CLARIN-PLUS workshop "Facilitating the Creation of National Consortia: Repositories"	February 09-10, 2017	Prague, Czech Republic	Nuno	No formal presentation
ENSSIB Lecture as part of professional training: Numérisation et constitution de bibliothèques numériques Actualités et prospective	13 March 2017	Lyon, France	Valentine	Actualité d'Europeana : la stratégie pour les années à venir
ISI 2017	14 March 2017	Berlin	Juliane Stiller & Péter Király	Multilinguality of Metadata - Measuring the Multilingual Degree of Europeana's Metadata
EUDAT Semantic Working Group Workshop	3 April 2017	Barcelona	Nuno	Semantics and cultural heritage data
DPLAFest	20-21 April 2017	Chicago	Greg	EuropeanaTech: Synergizing Europe's cultural heritage digital infrastructure
LD4P/LD4L-Labs Community Meeting	24-25 April 2017	Stanford	Antoine	W3C Data on the Web Best Practices - Data Vocabularies
Seminar Linked Data in Research and Cultural Heritage	1st May 2017	Den Haag	Valentine, Nuno	New approaches for data acquisition at Europeana: IIIF, Sitemaps and Schema.org
Subject Indexing & Information Technology Workshop	11 May 2017	Göttingen, Germany	Juliane Stiller & Péter Király	Multilinguality of Metadata - Measuring the Multilingual Degree of Europeana's Metadata
DHBenelux	3-5 June 2017	Utrecht	Valentine	Panel: Be FAIR or be square: Stakeholders' perspectives on data quality in the Digital Humanities
IIIF 2017 Conference	6-9 June 2017	Vatican City	Nuno	Metadata Aggregation of IIIF Resources at Europeana: status, plans and cooperation opportunities
IIIF 2017 Conference	6-9 June 2017	Vatican City	IIIF TF represented by Gill Hamilton	The Europeana Task Force on IIIF

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IIIF 2017 Conference	6-9 June 2017	Vatican City	Antoine	Co-chairing session of the IIIF Discovery Technical Working Group
IIIF Showcase: Unlocking the World's Digital Images	6-9 June 2017	Vatican City	David	Panel on Institutional benefits to adopt IIIF
Elag 2017	6-9 June 2017	Athens	Peter Kiraly, Valentine Charles	Nothing is created, nothing is lost, everything changes": measuring and visualizing data quality in Europeana
ELPUB2017	7-8 June 2017	Cyprus	Nuno	<i>Web technologies: a survey of their applicability to metadata aggregation in cultural heritage.</i>
LOD-LAM	28 June 2017	Venice	Valentine, Antoine	No formal presentation. Co-chairing the conference