Milestone Report

Share 3D

ACTIVITY 1

M2 - CULTURAL INSTITUTIONS USING THE DASHBOARD TO SUBMIT CONTENT TO EUROPEANA

Indicated completion date: 28/02/2020

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1. INTRODUCTION

The Sharing New Perspectives project (Share3D) developed a Dashboard to enable individuals and institutions who are uploading 3D models for hosting on Sketchfab to share this content with Europeana.

The Dashboard, which is available online at https://dashboard.share3d.eu/, has been publicly available for user registrations since autumn/winter 2019. It has been advertised by project partners to their networks including the Europeana Tech mailing list, the Europeana Aggregator forum and to Sketchfab's cultural heritage user group.

This document provides an overview of the progress that has been made with stimulating use of the Dashboard to submit metadata for 3D content to Europeana.

2. TAKE UP

The Share3D Dashboard, https://dashboard.share3d.eu/, has an online registration form for potential users to register for an account. The service has been publicly available for registration since autumn/winter 2019. The service was advertised initially to project partners and contacts known to be uploading cultural heritage 3D content for hosting on Sketchfab. Following beta testing the service was advertised to related projects and by twitter to the Europeana Tech mailing list and the Europeana Aggregator forum. The service was demonstrated to partners in the Europeana Archaeology project in December 2019 and to the partner leading on 3D in the Common Culture project in January 2020. It has also been demonstrated to potential users at various events.

At the time of writing, the Share3D dashboard has 50 registered users.   Some of these users are currently testing and evaluating the dashboard and the metadata capture forms. Others have commenced using the service to deliver metadata for 3D collections to Europeana. The service has been adopted by the Europeana Archaeology generic services project for its partners to use to submit metadata for their Sketchfab collections to Europeana.

The registered users include:

Organisation	Category	Country	DEA signed
Discovery Programme, Ireland	Cultural Heritage Institution	Ireland	Yes
Amelia Scott Cultural Centre, Tunbridge Wells	Cultural Heritage Institution	UK	In progress
Hunt Museum	Cultural Heritage Institution	Ireland	Yes

Agència Catalana del Patrimoni Cultural	Cultural Heritage Institution	Spain	In progress
Musées royaux d'Art et d'Histoire, Bruxelles	Cultural Heritage Institution	Belgium	Yes
Musée d'Archaéologie nationale, domaine national de Saint-Germain-en-Laye	Cultural Heritage Institution	France	In progress
Digital Repository for Ireland	Cultural Heritage Institution	Ireland	Yes
Varaldskultur Museum	Cultural Heritage Institution	Sweden	Not yet
Faroe Islands National Museum	Cultural Heritage Institution	Faroe Islands	Not yet
Deutsches Bergbau-Museum Bochm	Cultural Heritage Institution	Germany	Not yet
Deutsches FilmInstitut Film Museum	Cultural Heritage Institution	Germany	Not yet
Design Museum Gent	Cultural Heritage Institution	Belgium	Not yet
Vilnius University Faculty of Communication	Academic Institution	Lithuania	Yes
Trinity College Dublin	Academic Institution	Ireland	In progress
Researcher at Flinders University	Academic researcher	Netherlands	In Progress
DARIAH BE	Academic institution	Belgium	Not yet
Universiteit van Amsterdam	Academic institution	Netherlands	Not yet
Croatian Academy of Sciences and Arts	Academic institution	Croatia	Not yet
University of Bristol, Library Research support	Academic institution	UK	Not yet
University of California Riverside, UCR Library	Academic institution	USA	Not yet
Istituto di Scienza e Tecnologie dell'Informazione, Consiglio Nazionale delle	Academic institution	Italy	Not yet

Ricerche (ISTI-CNR)			
2Culture Associates Ltd	SME	UK	Yes
Visual Dimension bvba	Creative industry SME	Belgium	Yes
NoHo Ltd	Creative industry SME	Ireland	Yes
ADD 4D	Creative industry SME	Spain	Yes
Thirty8 Digital	Creative industry SME	UK	Not yet
animAMusicae	Creative SME	Spain	Not yet
Dymon Lab	Creative industry SME	UK	Not yet

In addition there are a number of individual users, some of whom are known to have registered to review the Share3D metadata capture forms.

3. CONTENT SUBMITTED TO EUROPEANA

The submission of metadata records from the Share3D dashboard to Europeana is managed for the project by CARARE and the Athena Research Centre. Records completed by Dashboard users are submitted to Share3D administrators for validation, this involves:

1. Checking that the User has signed and agreed to share their metadata and previews under the conditions of the Europeana Data Exchange Agreement
2. Validating the content to make sure that it conforms to Europeana's content policy. It must:
    a. Represent Europe's rich cultural heritage
    b. Have a connection with Europe either in its subject matter or by virtue of having been created by a European or be owned by a European Institution
3. Validating the metadata to make sure that it fulfils Europeana metadata quality specification and all relevant fields are completed.

Share3D administrators can contact individual users by email to suggest corrections or improvements to the created metadata records, or to request the user signs the Data Exchange Agreement (DEA). An electronic process has been implemented to enable users to sign the DEA within the Share3D dashboard.   However, users are able to log-in and test the forms; they do not need to sign the agreement unless or until they wish to submit metadata to Europeana.

Once validation is completed, Share3D administrators "publish" valid metadata records (see figure 1 below). The metadata for the published records is then available for download.
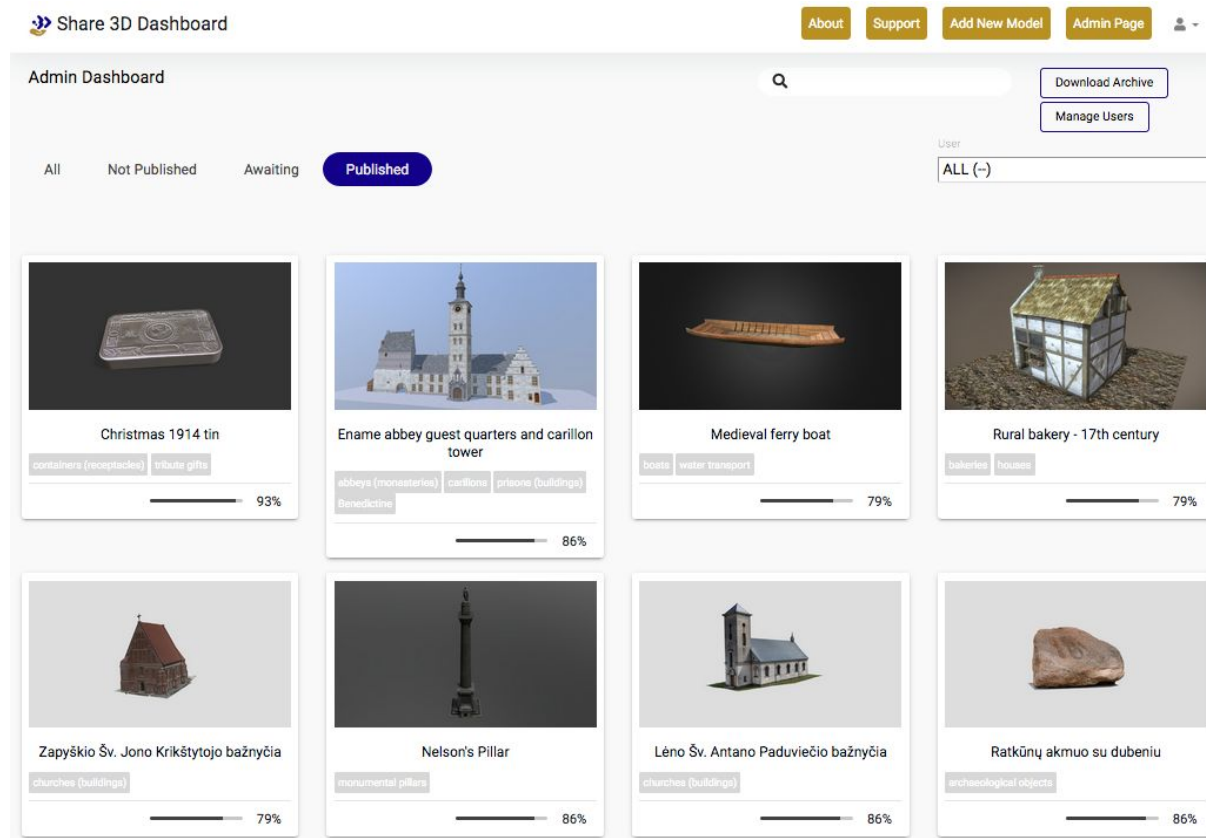
Figure 1: Published records on the Share3D dashboard

System administrators download an XML archive containing the metadata for all published models. This archive is ingested to the CARARE aggregator, MORe[1], for supply to Europeana via OAI-PMH metadata harvesting.

At the time of writing, the following content has been submitted to Europeana for publication:

Organisation	Models	Note
2Culture Associates	1 model - Christmas 1914 tin	
Visual Dimension	13 models - Ename abbey, objects and buildings	
Vilnius University	10 models - buildings and museum objects	Part of the Europeana Archaeology project
NoHo Ltd	1 model - Nelson's pillar	
Musée d'Archaéologie nationale, domaine national de Saint-Germain-en-Laye	4 models - archaeological objects	Part of the Europeana Archaeology project

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[1] https://pro.carare.eu/doku.php?id=services

Further content is known to be in preparation including collections from the Museum of Art and History; the Hunt Museum, Amelia Scott Cultural Centre and the Musée d'Archaéologie nationale, domaine national de Saint-Germain-en-Laye. We anticipate this additional content will be published in Europeana in the next few weeks.

4. FEEDBACK

"I've been looking at theShare3D dashboard for a while, I really like the easy mapping from sketchfab metadata to EDM[2], that's some great stuff!" Europeana staff member

"I want to say that I think that Share 3D is amazing. Not only do we have an easy way to get Sketchfab models into Europeana but what has essentially been created is a tool for cataloguing natively in EDM including LOD." Europeana content ingestion

"We think that the tool for metadata collection is a great idea and we are interested in knowing more about it." University lecturer

"I have been working yesterday with a Share3D tool to prepare the metadata. I must say, it's very easy to use." Project manager

5. CONCLUSION

This document provides an overview of the take up of the Share3D dashboard by Cultural Institutions and others to submit metadata for their 3D collections in Sketchfab to Europeana.

The service was made publicly available in autumn/winter 2019. By the end of February 2020, 50 individuals and institutions had registered with the service from 13 countries. Content metadata had been successfully submitted to Europeana for ingestion on behalf of 4 institutions. A number of cultural institutions are actively working on the preparation of metadata for their 3D collections using the Dashboard, which we anticipate will be available in Europeana by Spring 2020.

The metadata capture tool has been well received by both Europeana and data partners. It is successfully providing a simple and easy-to-use tool for cataloguing 3D content and an effective way of delivering metadata to Europeana.

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[2] EDM (Europeana Data Model) is the metadata format used by Europeana.