

CREATING VIRTUAL TOURS USING THE OMEKA FRAMEWORK

Interreg
North Sea Region
CUPIDO

European Regional Development Fund



EUROPEAN UNION

Sharon Pisani

OPEN VIRTUAL WORLDS University of St Andrews

Table of Contents

Creating a new Virtual Tour App Package Intro.....	2
1. Creating a Panorama Tour.....	2
2. Adding items to Omeka	3
2.1. Adding a Map Image.....	3
2.2. Adding a Map Point	4
2.3. Adding a Navigation Hotspot.....	5
3. Adding Items and Digital Content to a Panorama Tour.....	6
4. Exporting an App Package.....	8
5. Adding a Package to the Manager	9

Creating a new Virtual Tour App Package Intro

Using the Omeka Admin system (<https://www.cupidoeu.org/omeka/admin/>), you can create app packages for different exhibits. An app **exhibit** is made up of **items** which include navigation systems, menus, maps, and digital content.

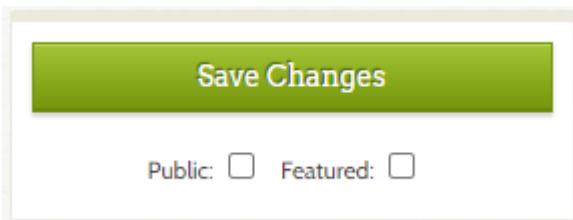
1. Creating a Panorama Tour

A **Panorama Tour** is a type of **Exhibit** that can be created on Omeka.

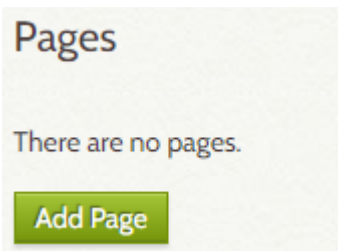
1. Click on 'Exhibit' from the sidebar menu.
2. Click on 'Add an Exhibit' button.



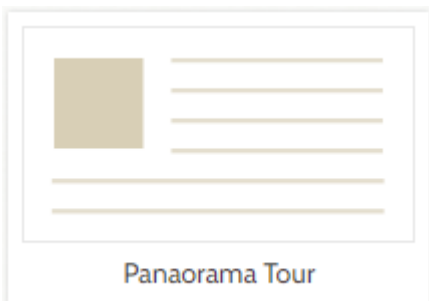
3. Enter the 'Title' (mandatory) and any other optional metadata. Click on the 'Save Changes' button on the right.



4. At the bottom, in the 'Pages' section, click on the 'Add Page' button.



5. Enter the 'Page Title'.
6. In the 'Content' section, under 'New Block', select the 'Panorama Tour' layout.



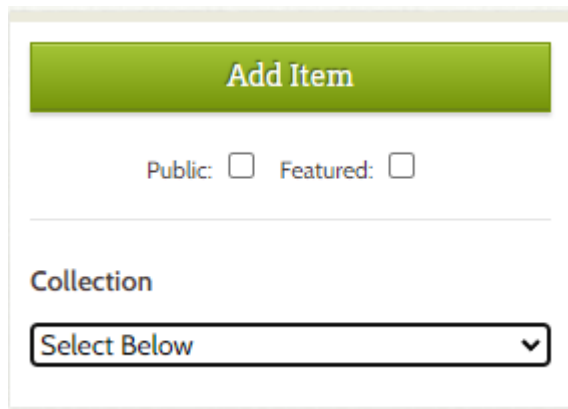
7. Click on the 'Save Changes' button.

2. Adding items to Omeka

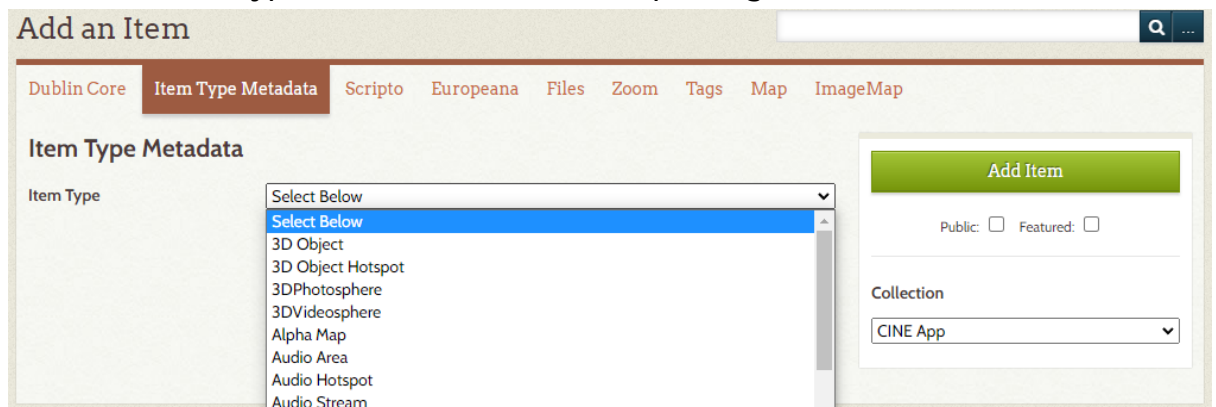
Digital content items can be added to Omeka using the Archive form. However, an app package is also made up of other items, such as menus or hotspots. These can be added as below.

2.1. Adding a Map Image

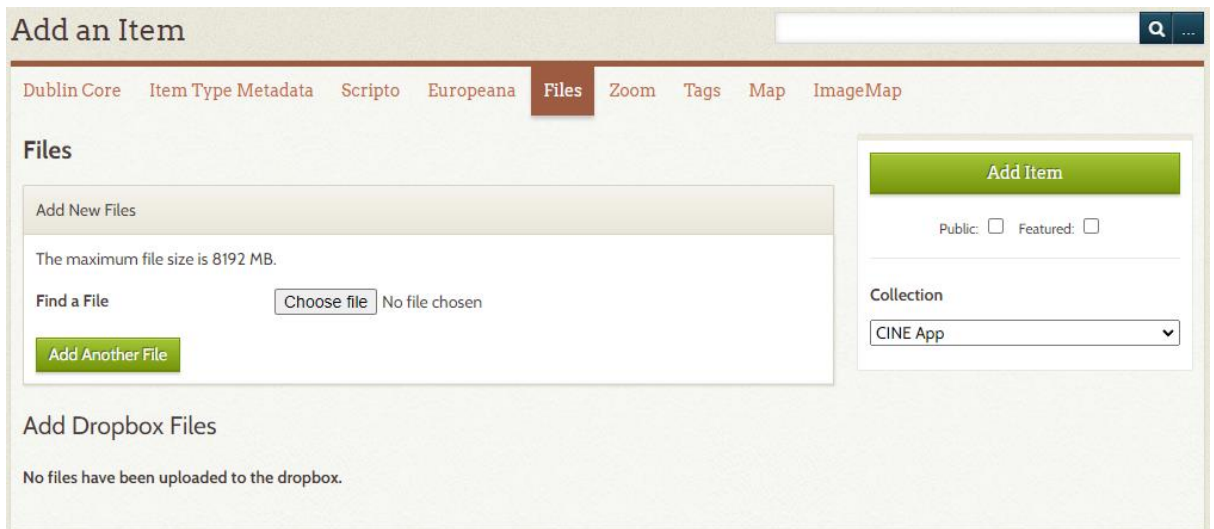
1. Click on 'Items' from the sidebar menu.
2. Click on 'Add an Item' button.
3. Enter the 'Title' (mandatory) and any other optional metadata.
4. On the right, select a Collection to add the Item to.



5. Click on 'Item Type Metadata' from the top navigational menu.



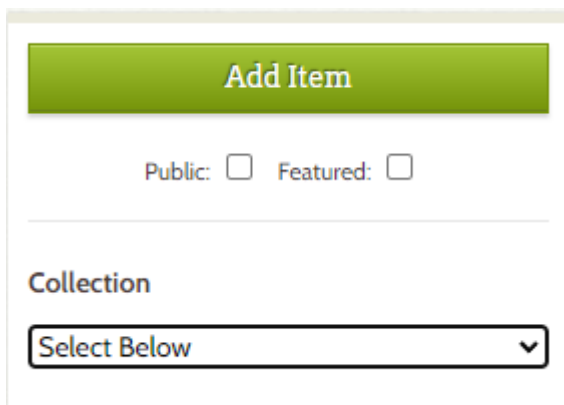
6. Select 'Map'.
7. Click on 'Files' from the top navigational menu.



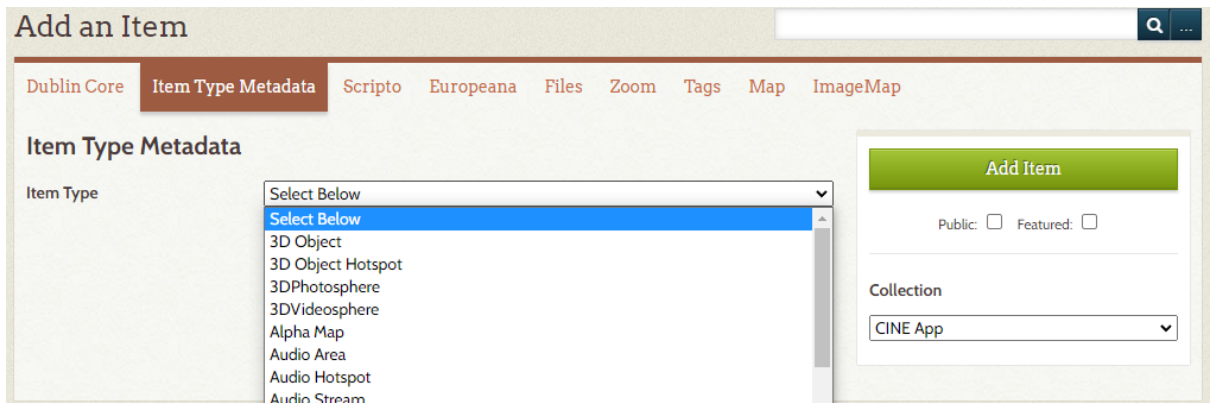
8. Select 'Choose file' and browse for the image you would like to use as a map. Click on it and select 'Open'.
9. On the right, click on the 'Add Item' button.

2.2. Adding a Map Point

1. Click on 'Items' from the sidebar menu.
2. Click on 'Add an Item' button.
3. Enter the 'Title' (mandatory) and any other optional metadata.
4. On the right, select a Collection to add the Item to.



5. Click on 'Item Type Metadata' from the top navigational menu.



6. Select 'MapPoint'.
7. Enter the 'X' and 'Y' locations. These correspond to the location of your map point on the map image. Enter the values in pixels (example: 1050)
8. On the right, click on the 'Add Item' button.

2.3. Adding a Navigation Hotspot

In a 360 Panorama, you might wish to add a hotspot that takes you to another item.

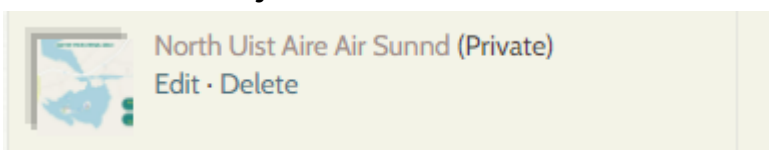
1. Click on 'Items' from the sidebar menu.
2. Click on 'Add an Item' button.
3. Enter the 'Title' (mandatory) and any other optional metadata.
4. On the right, select a Collection to add the Item to.

5. Click on 'Item Type Metadata' from the top navigational menu.

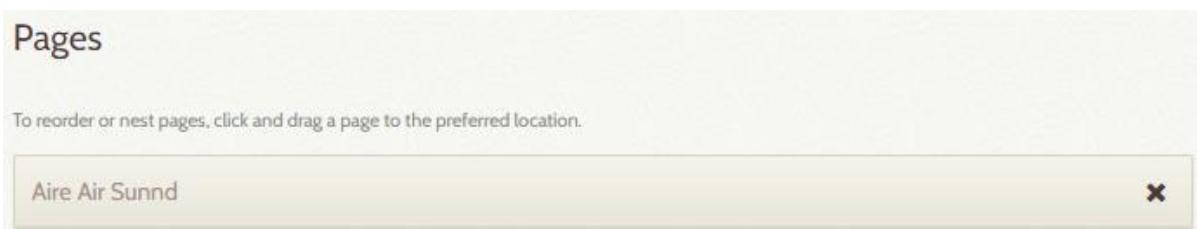
6. Select 'Navigation Hotspot'.
7. Enter the 'X' and 'Y' locations. These correspond to the location of where you would like your hotspot to show on the panorama (example: 1050).
8. Add the 'Item ID' of the item which is to be linked to the hotspot.
9. On the right, click on the 'Add Item' button.

3. Adding Items and Digital Content to a Panorama Tour

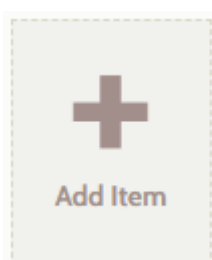
1. Click on 'Exhibit' from the sidebar menu.
2. Find the Exhibit you want to add to and click on 'Edit'



3. At the bottom, in the 'Pages' section, click on the Page you would like to add items to.



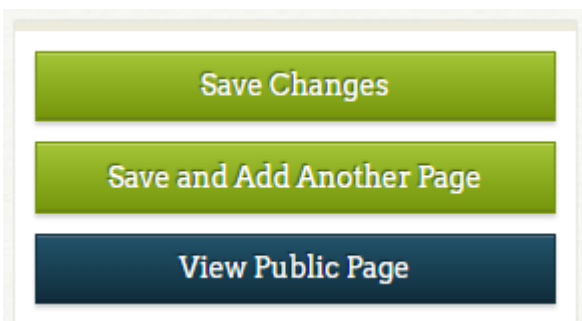
4. Click on the 'Add Item' button in the block you would like to add items to.



5. Find the map image, map point navigational hotspot, or digital content you would like to add. Click on it, and then click on 'Select Item' to add it to the block.



6. Click on the 'Save Changes' button on the right when all items have been added.

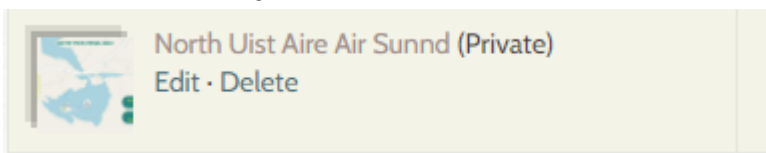


Notes:

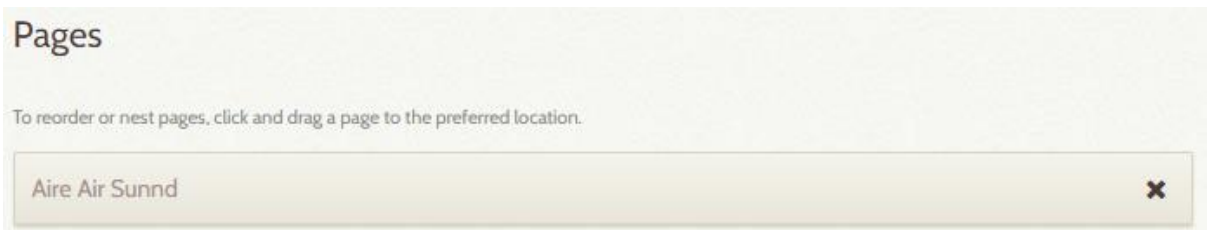
- A digital content item (example: a video or panorama) should follow a 'Map Point' item.
- 'Navigation Hotspots' should be added after the panorama image they will be marked on.

4. Exporting an App Package

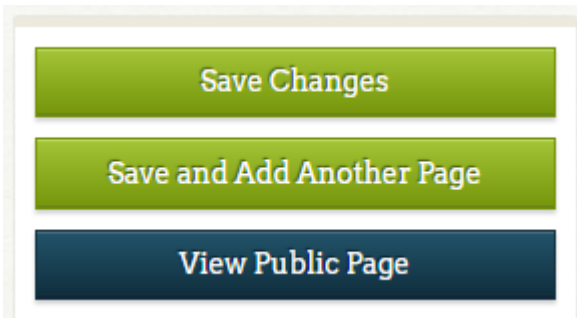
1. Click on 'Exhibit' from the sidebar menu.
2. Find the Exhibit you want to add to and click on 'Edit'



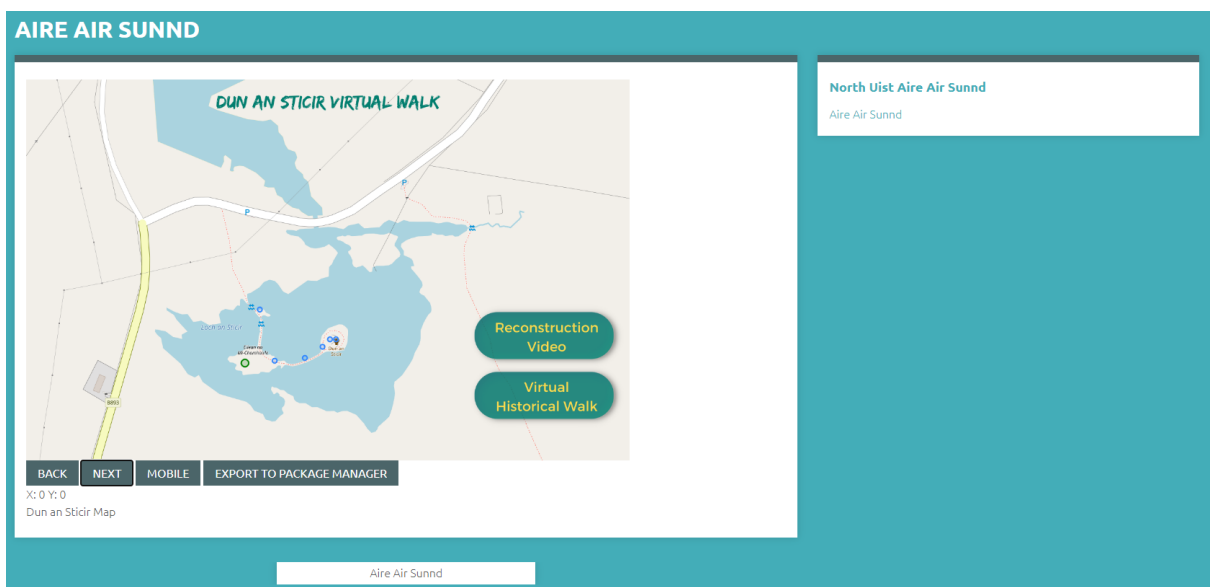
3. At the bottom, in the 'Pages' section, click on the Page you would like to export.



4. On the right, click on the 'View Public Page' button.



5. Review the app by clicking on the 'Next' and 'Back' buttons to confirm the order of items.

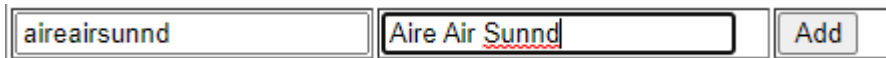


6. Once ready to export, click on the 'Export to Package Manager' button.

5. Adding a Package to the Manager

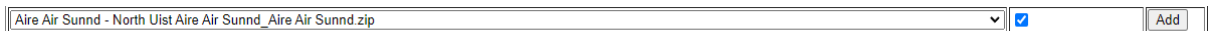
The **Package Manager** (https://cupidoeu.org/pano_package/) lists all packages linked to Omeka Exhibits.

1. Click on 'Lists'
2. Scroll to the bottom and add the 'Name' of the package and a 'Short Description'.
3. Click on 'Add' to add it to the List.



The screenshot shows a form with three main components: a text input field containing 'aireairsunnd', a second text input field containing 'Aire Air Sunnd' with a red squiggly underline under the word 'Sunnd', and a button labeled 'Add'.

4. Click on the 'Name' of the package you just added.
5. Find the exported package in the drop-down list.
6. Select the checkbox for 'Auto Download' to show as True.
7. Click on the 'Add' button.



The screenshot shows the form after the package has been added. The dropdown menu now displays 'Aire Air Sunnd - North Uist Aire Air Sunnd_Aire Air Sunnd.zip'. To the right of the dropdown is a checked checkbox, and to the right of the checkbox is an 'Add' button.