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# CREATING VIRTUAL TOURS USING THE OMEKA FRAMEWORK



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# Creating a new Virtual Tour App Package Intro

Using the Omeka Admin system

(<https://openvirtualworlds.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.

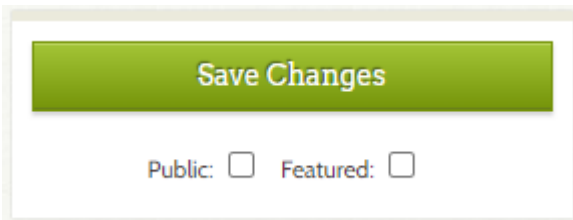
## 1. Creating a Panorama Tour

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

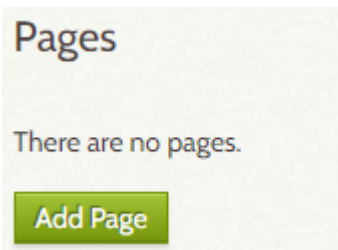
1. Click on 'Exhibit' from the sidebar menu.
2. Click on 'Add an Exhibit' button.



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.



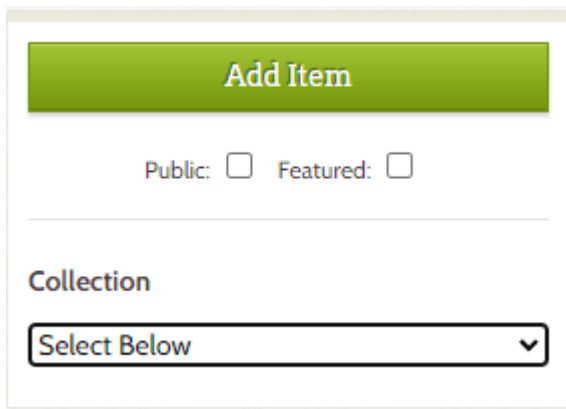
7. Click on the 'Save Changes' button.

## 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.

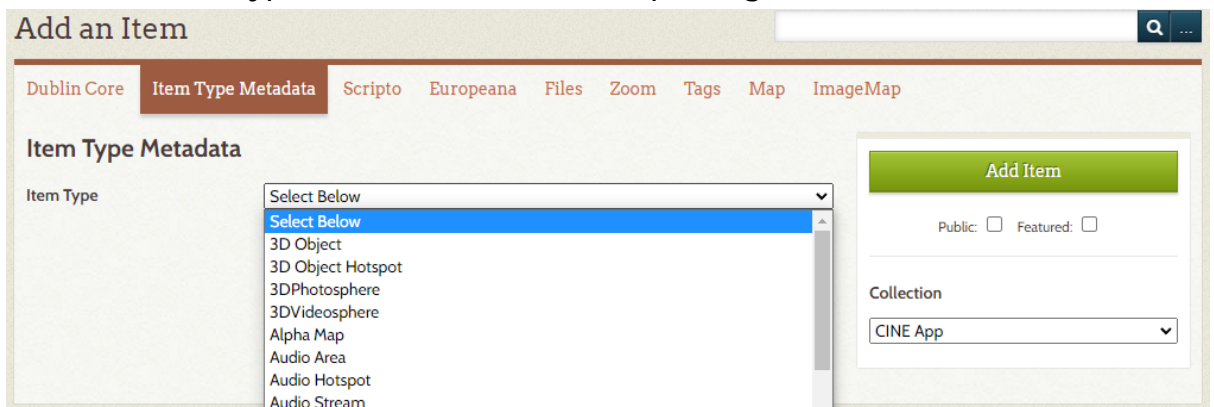
### 2.1. Adding a Map Image

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.



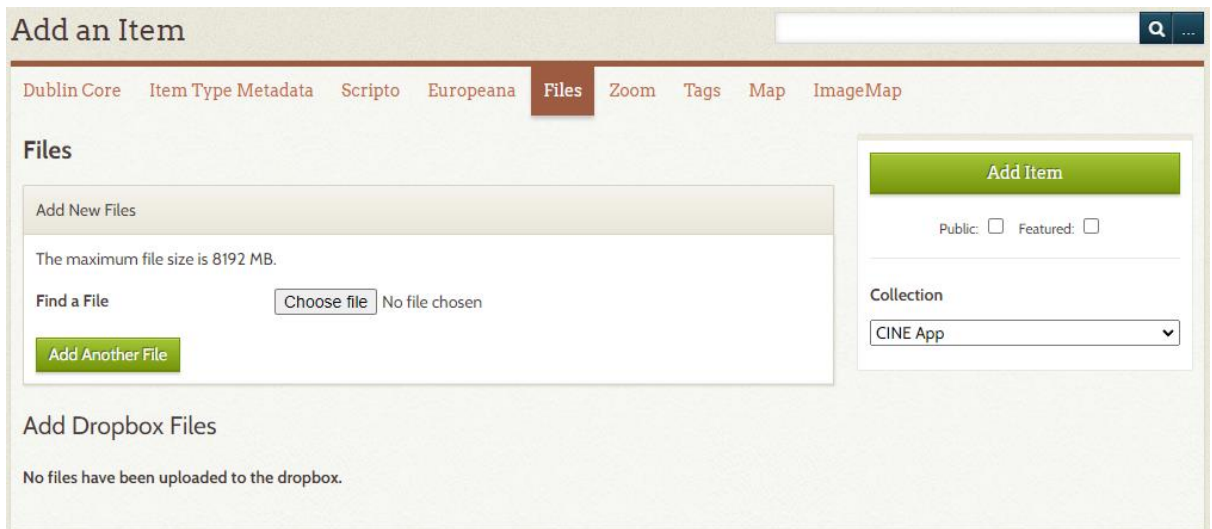
The screenshot shows a form titled 'Add Item' with a green header button. Below the header, there are two checkboxes: 'Public: ' and 'Featured: '. A horizontal line separates this from the 'Collection' section, which contains a dropdown menu with the text 'Select Below' and a downward arrow.

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



The screenshot shows the 'Add an Item' page in Omeka. The top navigation bar includes 'Dublin Core', 'Item Type Metadata' (which is highlighted), 'Scripto', 'Europeana', 'Files', 'Zoom', 'Tags', 'Map', and 'ImageMap'. Below the navigation bar, the 'Item Type Metadata' section is active, showing a dropdown menu for 'Item Type' with the following options: 'Select Below', '3D Object', '3D Object Hotspot', '3D Photosphere', '3D Videosphere', 'Alpha Map', 'Audio Area', 'Audio Hotspot', and 'Audio Stream'. To the right, the 'Add Item' form is visible, with the 'Collection' dropdown menu set to 'CINE App'.

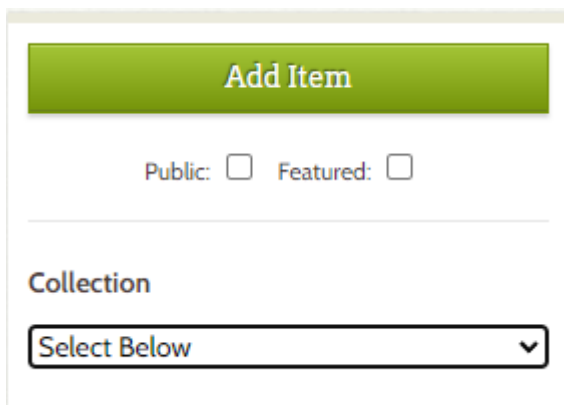
6. Select 'Map'.
7. Click on 'Files' from the top navigational menu.



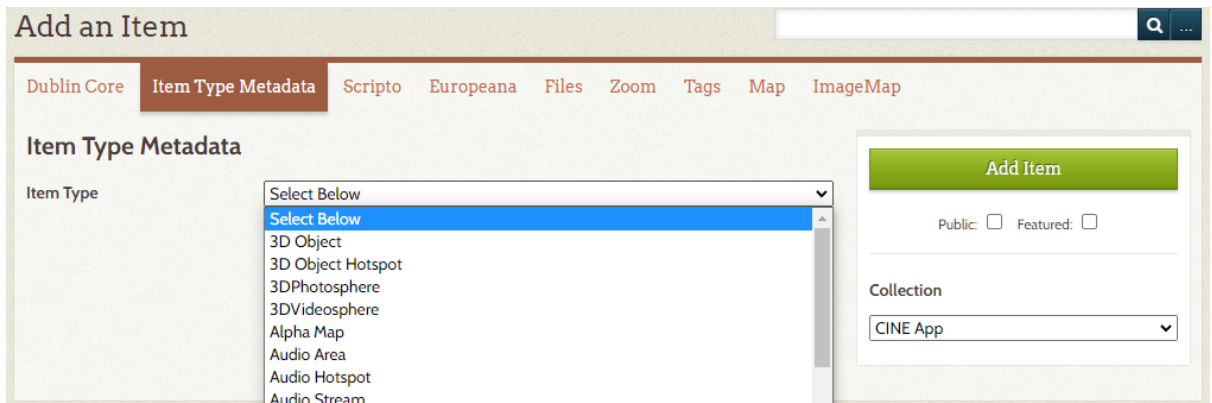
8. Select 'Choose file' and browse for the image you would like to use as a map. Click on it and select 'Open'.
9. On the right, click on the 'Add Item' button.

## 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.

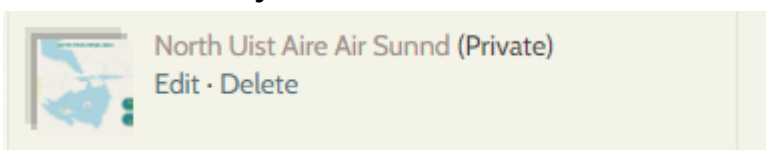
1. Click on 'Items' from the sidebar menu.
2. Click on 'Add an Item' button.
3. Enter the 'Title' (mandatory) and any other optional metadata.
4. On the right, select a Collection to add the Item to.

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

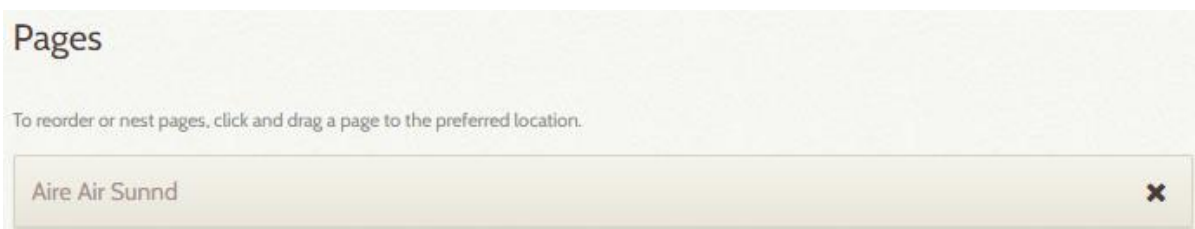
6. Select 'Navigation Hotspot'.
7. Enter the 'X' and 'Y' locations. These correspond to the location of where you would like your hotspot to show on the panorama (example: 1050).
8. Add the 'Item ID' of the item which is to be linked to the hotspot.
9. On the right, click on the 'Add Item' button.

### 3. Adding Items and Digital Content to a Panorama Tour

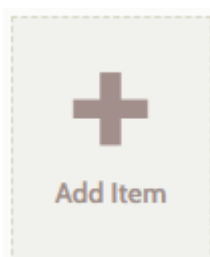
1. Click on 'Exhibit' from the sidebar menu.
2. Find the Exhibit you want to add to and click on 'Edit'



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



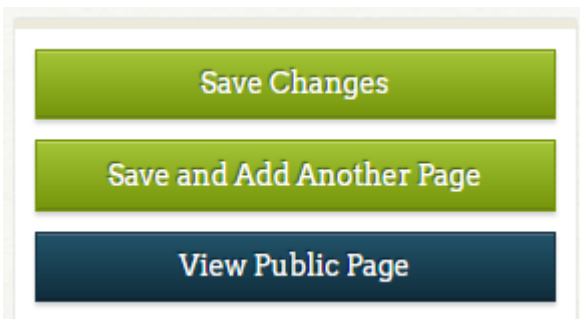
4. Click on the 'Add Item' button in the block you would like to add items to.



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.



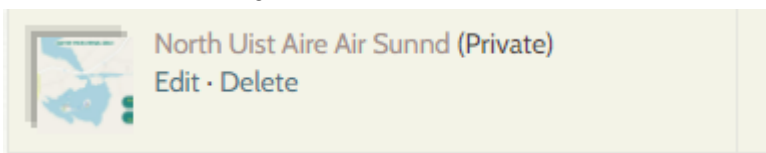
Notes:

- 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.

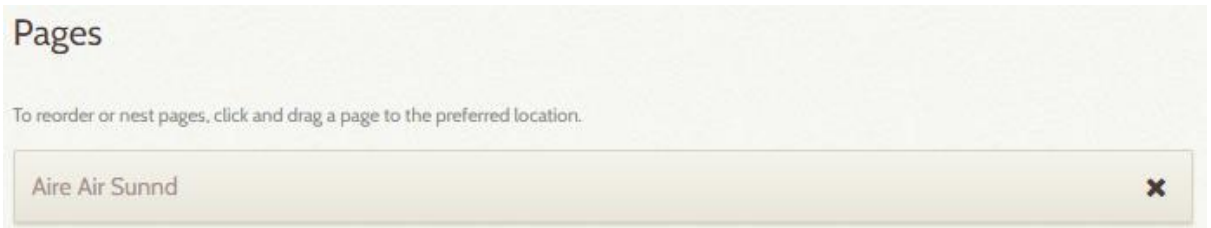


## 4. Exporting an App Package

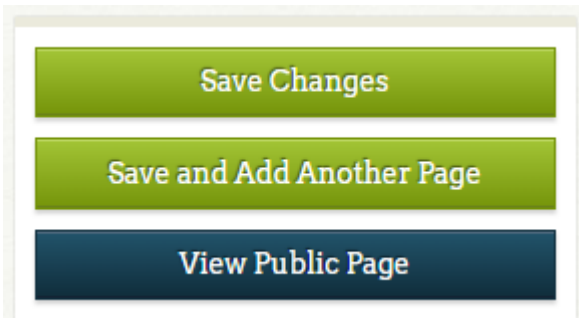
1. Click on 'Exhibit' from the sidebar menu.
2. Find the Exhibit you want to add to and click on 'Edit'



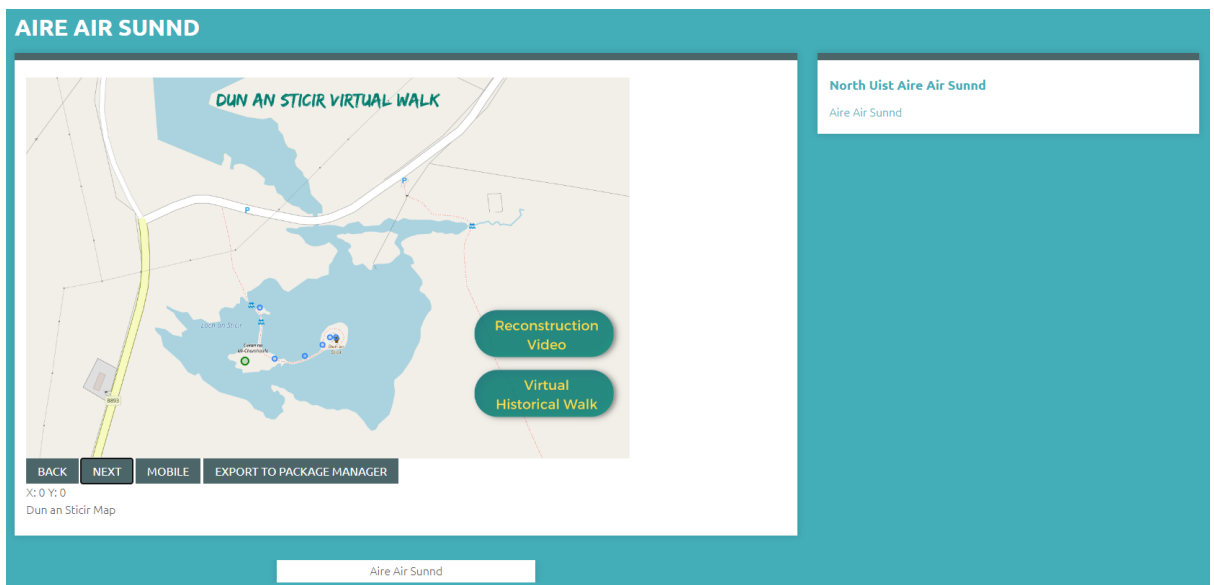
3. At the bottom, in the 'Pages' section, click on the Page you would like to export.



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://openvirtualworlds.org/pano\\_package/](https://openvirtualworlds.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.

aireairsunnd	Aire Air Sunnd	Add
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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.

Aire Air Sunnd - North Uist Aire Air Sunnd_Aire Air Sunnd.zip	<input checked="" type="checkbox"/>	Add
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