

# Creating Interactive 360° Virtual Tours using H5P

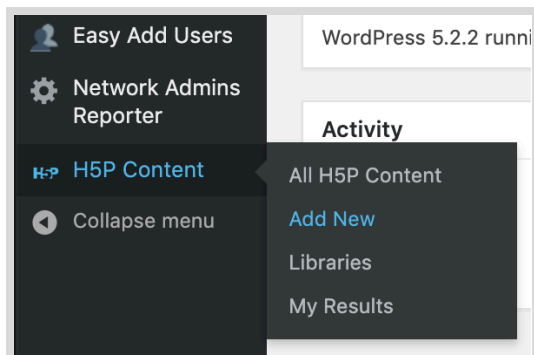
This document describes the process for creating a Virtual Tour in WordPress using H5P. If you haven't yet taken your 360° images, stop 🛑 here and [look at the documentation for using the Insta360 cameras](#).

## Building the 360° Virtual Tour in WordPress using H5P

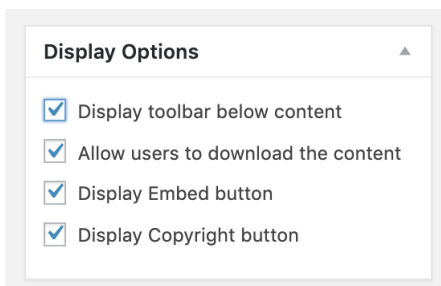
For this project, building virtual tours in WordPress involves two steps: first you create the tour using H5P, a media display tool, then you embed the H5P element into the page for your group's religious community using a shortcode.

### ♦ Creating a New Tour

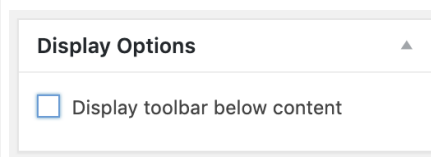
1. Login to WordPress by going to [sites.smith.edu](https://sites.smith.edu), then navigate to your site under *My Sites* in the top menu bar.
2. Near the bottom of the left side-bar, go to **H5P Content** > **Add New**. The *Select content type* screen will open.



3. Find **Virtual Tour (360)** and click **Details** > **Use**. The *Add New Virtual Tour (360)* screen will open.
4. Enter in a **Title** for your tour.  
**Optional:** Click **Metadata** to edit the author and/or copyright information for your tour.
5. On the left hand side, under *Display Options* uncheck **Display toolbar below content**. This will uncheck all boxes.

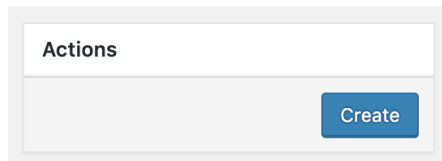


before

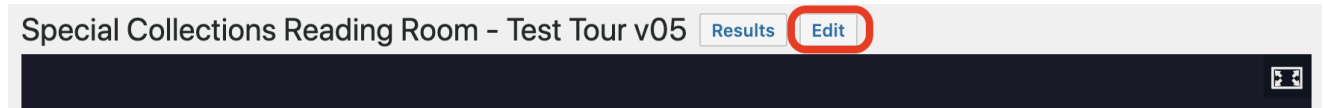


after

6. In the upper-right, click **Create** to save your tour and progress. A blank preview of your virtual tour element will display.



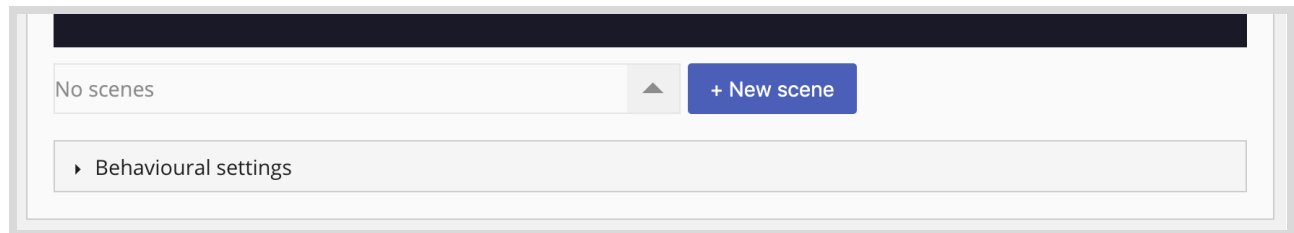
7. To continue editing and adding content, click **Edit**.



## ◆ Adding 360° Scenes

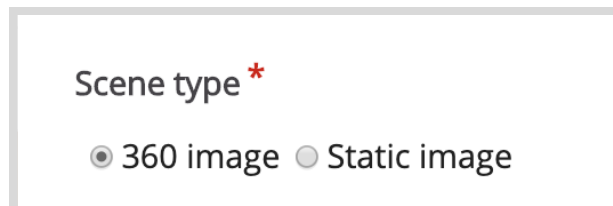
Tours are comprised of one or more 360° scenes. Scenes are created individually and can be linked together using navigation hotspots.

1. To create a new scene, at the bottom of the page, click **New Scene**. The *Scene* pop-up will open.

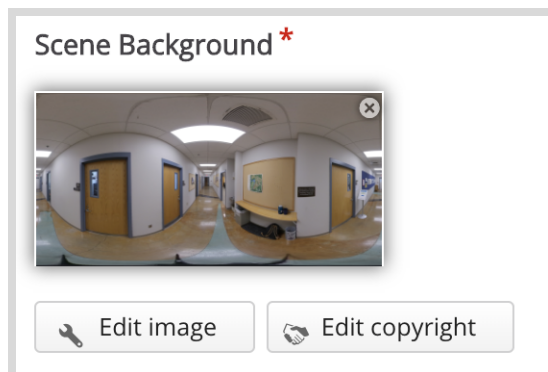


2. Under *Scene Type*, select **360° image**.

**Note:** The “Static Image” scene is for flat, non-360° scenes, such as with a regular photograph or for combining text and images together.



3. Under *Scene Title*, enter a descriptive title.
4. Under *Scene Background*, click **Add** and select the scene's 360° JPEG image. The image will upload and display as a preview.



**Note:** If the image does not upload or the page does not display a preview, repeat this step.

Under *Scene Description*, enter a detailed description of the visuals of the scene.

**Note:** This is required information intended to work with assistive technologies.

Under *Button Style*, select **New scene (arrow)**.

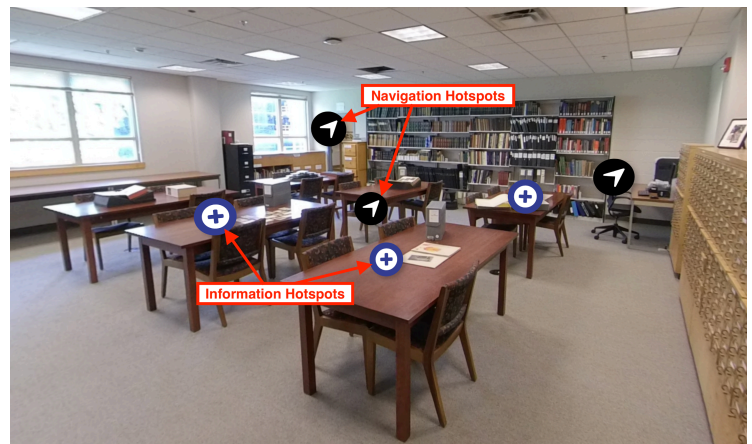
Use the **More Information (plus)** option for when you create a flat scene.

Click **Done** in the upper right of the pop-up window. The scene will save.

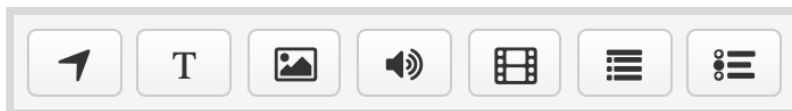
Repeat this process for all additional 360° scenes for your tour.

### ◆ Creating Hot Spots - Additional Content

Each scene can be enhanced with **Hot Spots** or interactive elements that will allow users to navigate between scenes, gain new information via text or images, or test their knowledge. When you add an object, it will be represented by a circular icon in your scene. These icons can be dragged and dropped anywhere you like.



In **Edit** mode, below the title, there are buttons for adding hotspots:

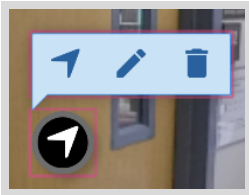


(From left to right)

- **Go To Scene** - Takes the viewer to another scene.
- **Text** - Presents a pop-up with text.
- **Image** - Displays an Image. You must enter descriptive text for images for accessibility purposes.
- **Audio** - Plays an audio file.
- **Video** - Displays a video. You may link to a YouTube video (recommended) or upload a file.
- **Summary** - Presents a set of statements like a multiple-choice question.
- **Single Choice Set** - One or more multiple-choice questions.

### ◆ Create a Navigation Hotspot to Link Scenes

1. Click **Go To Scene**.
2. Select which scene you wish to connect the current scene to, then click **Done**.
3. Click and drag the **Go To Scene (arrow)** icon to the appropriate location on your image. When clicking on the icon, you have three options:



**Arrow** - navigate to that icon's corresponding scene

**Edit** - change which scene the icon navigates to

**Delete** - remove this hot spot entirely

4. When you are done adding elements to a scene, you must press the **Update** button to save.

## Combining Images and Text

Hot spots will only display either an image or text (They do not allow for a combination of both).

If you want a hotspot that contains an image overlaid with text, you will need to create a custom image.

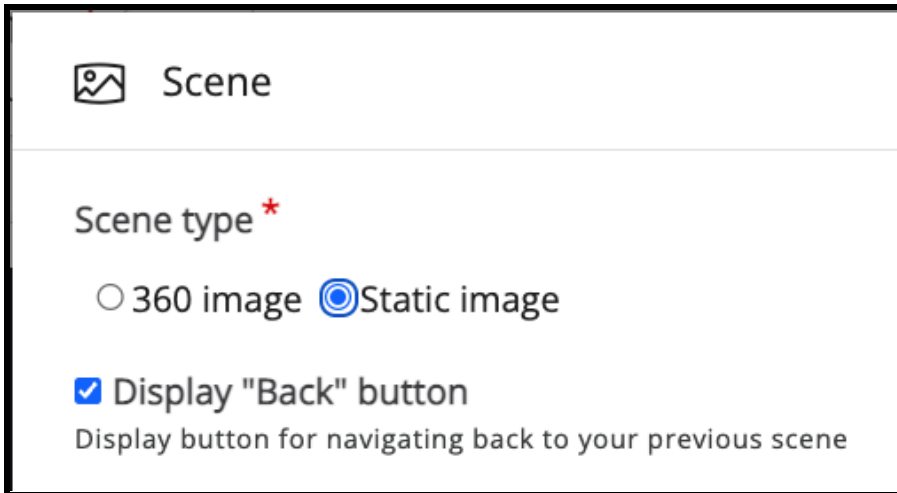


This can be done quickly using Google Slides, or another program of your choice:

1. In Google Slides Create a New Presentation.
2. Go to **File > Page Setup**.
3. Change the *aspect ratio* drop-down menu to **Custom**.
4. Change the *unit* dropdown menu to **Pixels**
5. change the dimensions to **1920 x 1080** - this will create high resolution images.
6. Format your slide with image and text as you see fit.
7. To export your slide(s) to an image file, go to **File > Download > .PNG**
8. Then upload that **.PNG** file to your tour as an Image

## Hot Spots on an Image

It is possible to add hotspots to an image, however that image will need to be added as a New Scene, rather than an image hotspot. To add hot spots, under Scene Type choose **Static Image** instead of 360 image. Make sure your image files end in .png or .jpg, rather than .PNG or .JPG.



Scene

Scene type \*

☐ 360 image ☒ Static image

☒ Display "Back" button  
Display button for navigating back to your previous scene

## Adding your Finished Tour to WordPress

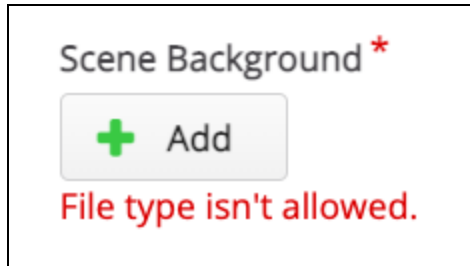
Once your H5P element is prepared, you can insert it into your community's page using a shortcode. This shortcode is a string of text that acts as a placeholder when you're editing a post or page and then displays your media content when it's published.

There are two ways to add a shortcode to your post. You can use the **Add H5P** button, or you can copy the shortcode from your virtual tour and paste it into your post directly.

1. From the WordPress dashboard, go to **Posts** and find the post for your community site.
2. Open the post and place your cursor where you'd like your virtual tour to appear.
3. Click the **Add H5P** button that appears above the content formatting toolbar. The *Insert Interactive Content* pop up window will open.
4. Find your H5P element, then click **Insert**. The pop-up window will close, and a shortcode will be added to your post. For example, `[h5p id="#"]`.
5. In the *Publish* block, click **Publish/Update** to save your changes. When you view the published post or page, the media element will be displayed in place of the shortcode.

## ☆ Troubleshooting ☆

- You see a “File type isn’t allowed” message when uploading an image.



- Check to see if your filename ends with a capitalized file extension, e.g. **.JPG** or **.PNG**. If it does, rename your file filename.jpg or filename.png.