



CREATING A SPATIAL MODEL BUTTON ON THE ERDAS IMAGINE RIBBON

eTRAINING

Introduction

Demonstrates how to add a button to the IMAGINE ribbon interface to launch a Spatial Model.

Software

- ERDAS IMAGINE

Data

- Landsat multispectral
- configurable_pc_with dialog.gmdx

Transcript

0:09

Welcome to Hexagon Geospatial eTraining: Your topic: Turning a Spatial Model into a button on the ERDAS IMAGINE ribbon.

In this module, you will see how to make a simple customization of the Ribbon interface to add a new button associated with a Spatial Model. When the button is used, it will launch a dialog to provide inputs to the model and then execute it.

0:30

The model in the example was previously built using Port Input operators to prompt for all necessary input parameters. Now you'll customize the Ribbon to assist in the launching process.

1. First, from the **Model** group on the **Spatial Modeler** tab, click **Processing Properties** to open the dialog.
2. Go to the **Operator Info** tab and ensure that a Name, Display Name, and Description have been provided. These will be used to provide a name and bubble help for the button I'm going to add to the interface.
3. Select a .ico format icon to represent the process on the ribbon. Here you'll use an existing icon, multispectral.ico, but any .ico format icon can be used, including one I created myself.
4. Click **OK** to the Processing Properties and then you'll save and close the **Spatial Model**.

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Now you'll see how to add the button to the Ribbon.

5. Start by activating the **Toolbox** tab. This is where you want to add the new button and it useful to see the customizations happen as you create it.
6. Right-click anywhere on the Ribbon and select **Customize the Ribbon**.
7. In this dialog, you'll identify the tab into which you'll place the new button.

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Here you'll use the existing **Toolbox** tab, but you could create a brand new tab being populated with a customised workflow.

8. Expand the **Toolbox** subbranch and select the group into which the button will be inserted. Here you will place it into the existing common group.
9. Now, right click over the **Common** group and select the **Add Button**.
10. Now use the **File Chooser** to locate and select the **Spatial Model** file and click **OK**.

2:07

Notice the button has already been added in the **Custom Ribbon** dialog and to the Ribbon.

11. In the dialog, you can right click over the added button to see the display options.

You'll use the default icon with the caption below.

12. Now you can close the **Customize Ribbon** dialog.
13. On the **Toolbox** tab, note that your new button is available with bubble help.
14. Click it to launch the inputs selection dialog that was configured into the model.

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When the dialog launches, if needed, you can make changes or use the predefined parameters.

15. Then, either run it to produce an output file or click **Preview** for real-time processing.

Once the image is in a viewer, you can use additional options, such as the **Image Chain**, to change display modes to enhance the data. Here you have emphasized the principal components.

3:00

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