

Section 3: Customizing IMAGINE

Section Objective

Students will learn how to customize IMAGINE to improve usability. Customizable options such as; My Workflow Tab, Layouts, Quick Bar Access, Smart Controls and customizing the Ribbon will be demonstrated. IMAGINE can incorporate many tasks which can include customized datasets. You will learn how to customize the IMAGINE interface to improve usability and in turn productivity.

Tools Used

- | | |
|------------------------|---|
| • My Workflow Tab | Custom set of tools saved to your My Workflow Tab |
| • Layout Gallery | Create a custom layout |
| • Quick Access Toolbar | Frequently used tools in a custom easy access toolbar |
| • Smart Controls | Provides an in-view set of configurable tools |
| • Shoebox | List of all the working data associated with your project/s |

Class Notes

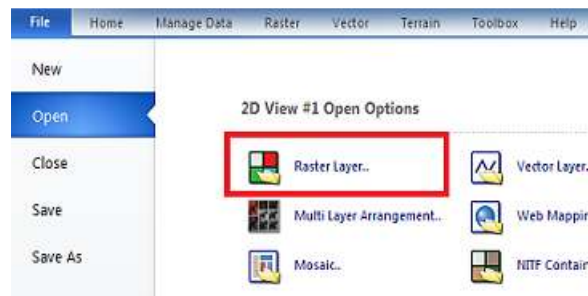
Customizing IMAGINE

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Task 1: Customize My Workflow Tab and Layout Gallery

1. Open any Multispectral Image in a **2DView**



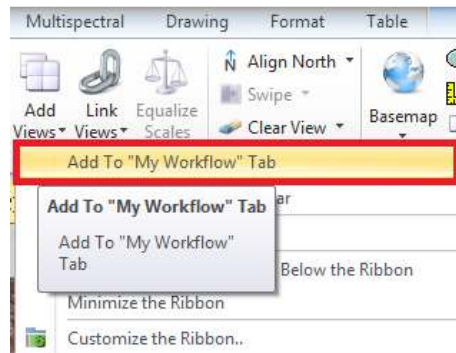
2. From Home Tab | Extent Group | **Right Click**



3. Select **Add to "My Workflow" Tab**

Note: Clicking on the Entire Group (instead of a select icon) will add all the tools from that group to the My Workflow Tab

4. From Home Tab | Window Group | **Right Click** on **Add Views**



5. Select **Add to "My Workflow" Tab**

6. From Home Tab | View Group | **Right Click** on **Clear View**



7. Select **Add to "My Workflow" Tab**

8. Repeat to add these following tools to **My Workflow Tab**;

- View/Edit Image Metadata
- Export Data
- Mosaic Pro from 2DView
- Create Subset Image
- Pan Sharpen
- Spatial Model Editor
- Launch Spatial Model
- Open Raster Layer
- Open Vector Layer
- Open AOI Layer
- Open Point Cloud Layer
- New AOI Layer
- New Vector Layer

Remember you can use the **Help** Tab | **Keyword Search** if you experience difficulty locating the above tools

You should now have a custom **My Workflow** Tab that should look like this:



9. To Edit the Tools on this Workflow Tab, Select **Tab Editor** From **My Workflow** Tab



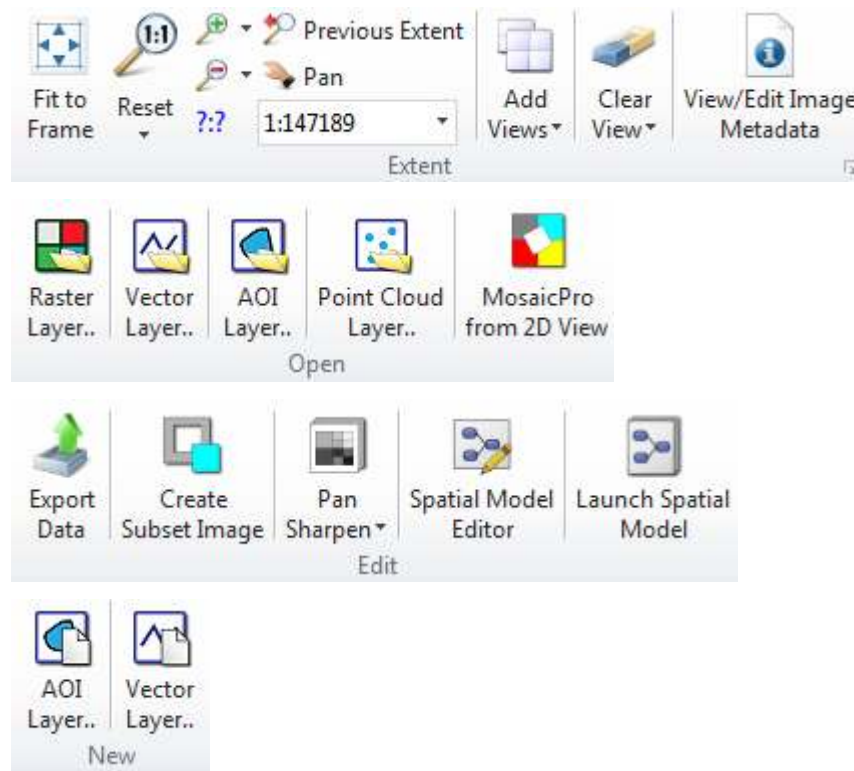
You will notice the tools are all grouped under 'extent'. We want to create our own groups to improve upon display

To create a new group, **Right Click** on the **My Workflow** Folder | **Create New Group**

To reorder groups or tools, **drag and drop** into a new position

To change display settings of a tool, **right click** and select either; **Automatic**, **Caption**, **Icon**, **Icon and Caption** or **Icon and Caption Below**

10. Using the techniques explained above, recreate a **My Workflow** Tab containing these following groups:



The final **My Workflow** Tab should look like this:



11. File | Layout | **Save Layout As**



12. Navigate to your **TrainingData\Output Folder** and save as **my-workflow.ixw**

13. Click **OK** on File Chooser dialog to **Save**

Now we will save this layout as part of the gallery

14. File | Layout | **Add to Gallery**

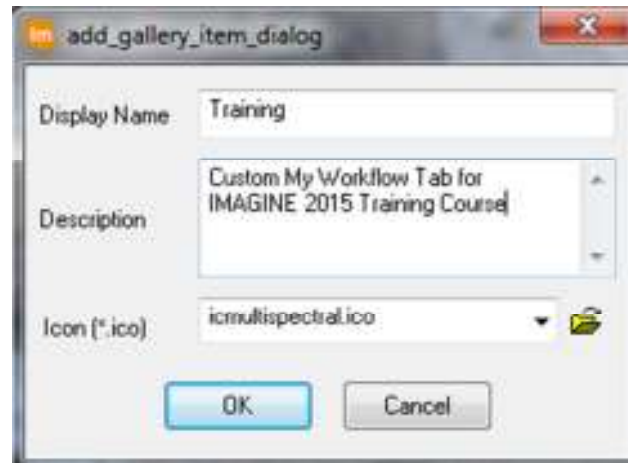


15. Enter the following details:

Display Name: *Training*

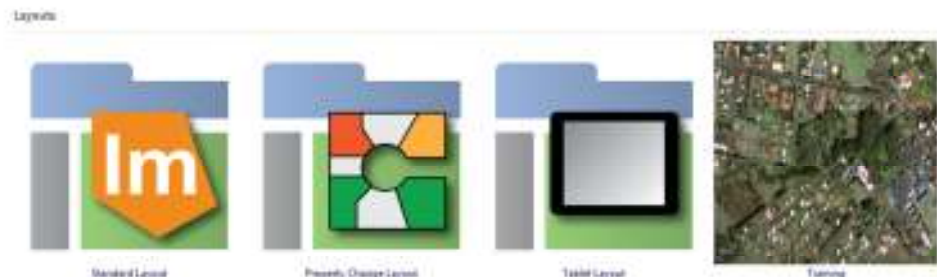
Description: *Custom My Workflow Tab for IMAGINE 2015 Training Course*

Icon: *C:\Program Files\Hexagon\ERDAS IMAGINE 2015\icons\imagechain\icmultispectral.ico*



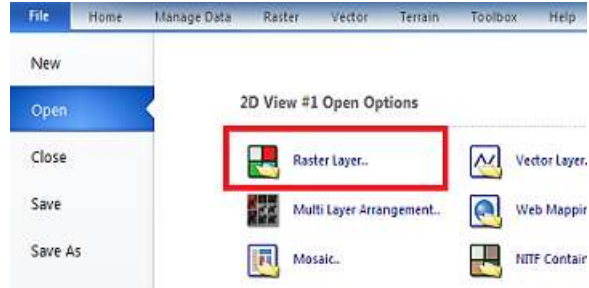
Note: You could use your own .ico file for your layout gallery. Open Windows Explorer and navigate to C:\Program Files\Hexagon\ERDAS IMAGINE 2015\icons\ to view the icons already available to you. These can be saved as layout, map layouts or even spatial model icons. For the more advanced users you can also create and use your own icons to customize the interface further.

16. Now view your Custom Training Layout displayed in the list of options visible within your IMAGINE Software from **File | Layouts**

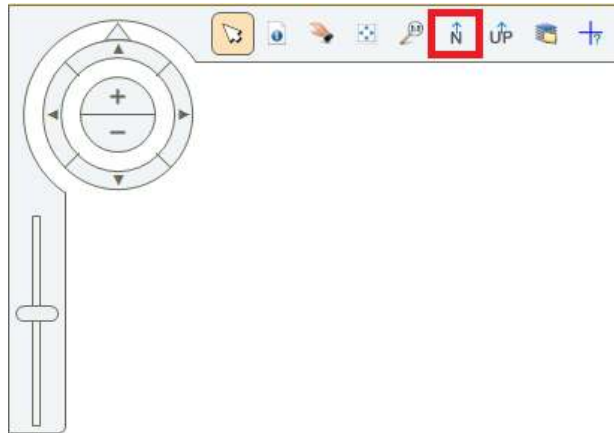


Task 2: Customize Quick Access & Smart Controls

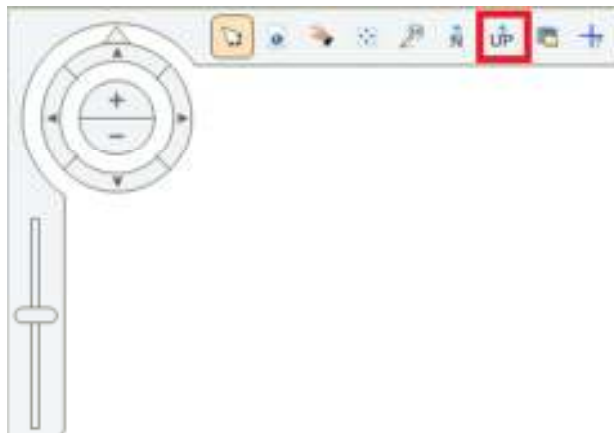
1. Open **any Multispectral Image** in a **2DView**



2. Click inside the **2DView**
3. Hover mouse over top left corner of screen
4. Right Click on the **Align North** SmartControl Icon | **Remove from the SmartControl**



5. From the SmartControl Panel | Right Click on the **Align to up is up** SmartControl Icon | **Remove from the SmartControl**



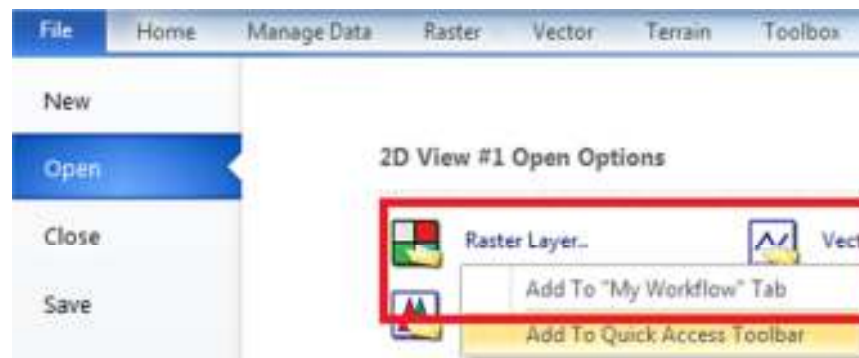
6. From the Home Tab | View Group | Right Click on the **Clear View** icon | **Add to SmartControl**



7. Repeat this process in Step 6 to **add three more tools** of your choice to the **SmartControl Panel**

The **SmartControl Panel** is a quick set of tools available on the viewer. IMAGINE also has another option, depending on your preference called the Quick Access Toolbar

8. From the File Menu **Right Click on Open Raster** | **Add to Quick Access Toolbar**



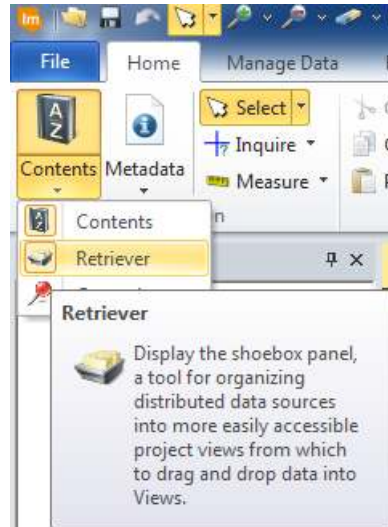
9. Repeat this to add; **Open Vector** and **Open Point Cloud Layer** to the **Quick Access Toolbar Also**
10. You will then see these most frequently used File | Open Shortcuts added to your Quick Access Toolbar on the Top-Left of the IMAGINE Interface



Note: if you want to remove a tool from the Quick Access Toolbar, just Right Click | Remove

Task 3: Create a New Shoebox

1. If you do not have the Retriever Panel already visible,
Open this via **Home Tab | Information Group | Retriever Panel**



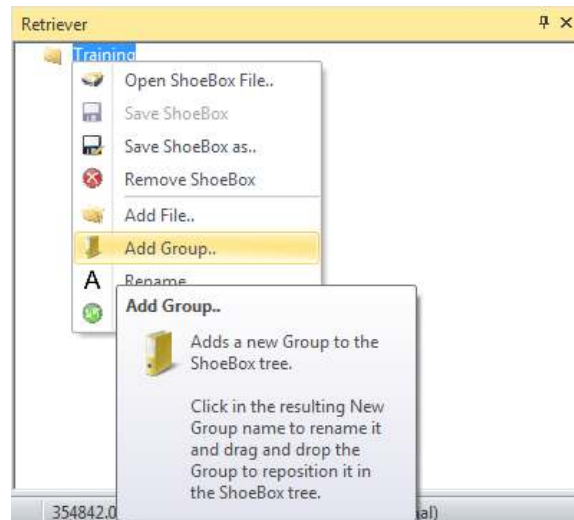
2. Right Click in the Retriever Panel and **Add New ShoeBox**



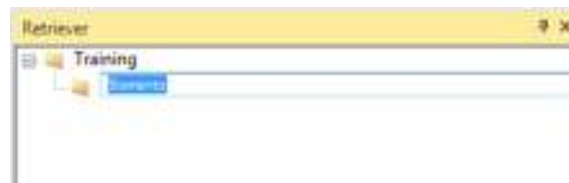
3. Slowly Double Click on Folder Name and **Rename to Training**



4. **Right Click** in the **Retriever Panel** again and **Add Group**



5. **Rename** this New Group to **Sorrento**

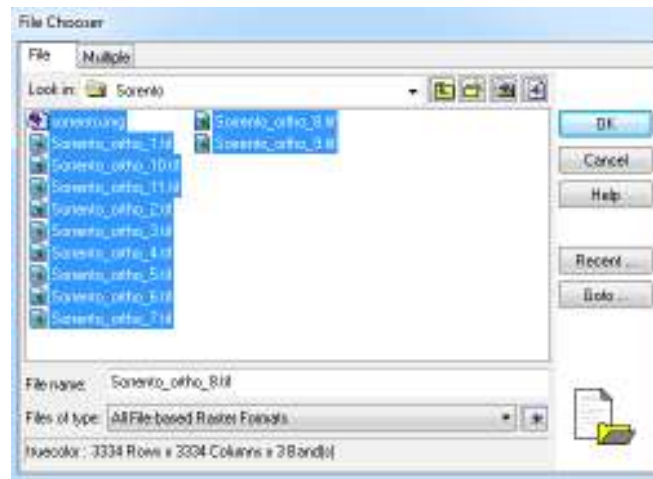


6. **Right Click** on the Sorrento Folder and **Add File**

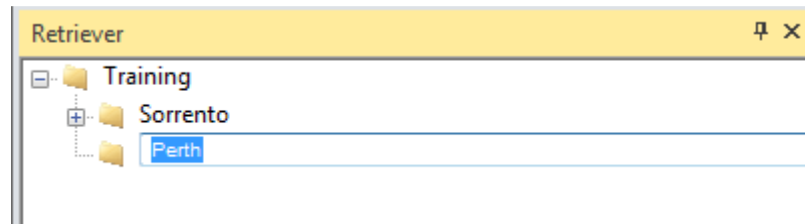


7. Select All File-based Raster Formats from the **TrainingData\Sorrento\Customizing *IMAGINE*** and Click **OK**

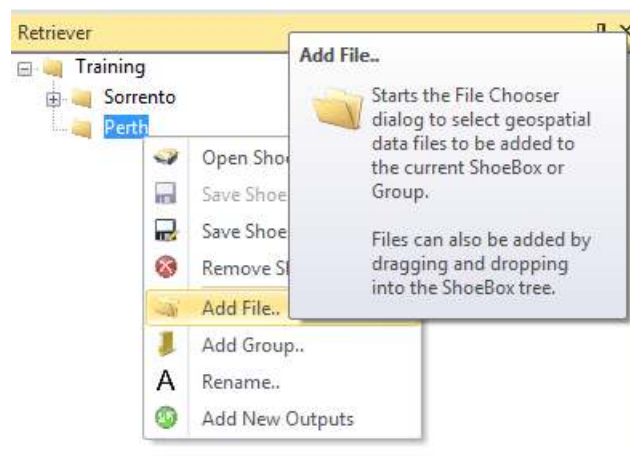
The list of datasets should include all 11 images: **sorrento_ortho_*1>11*.tif**



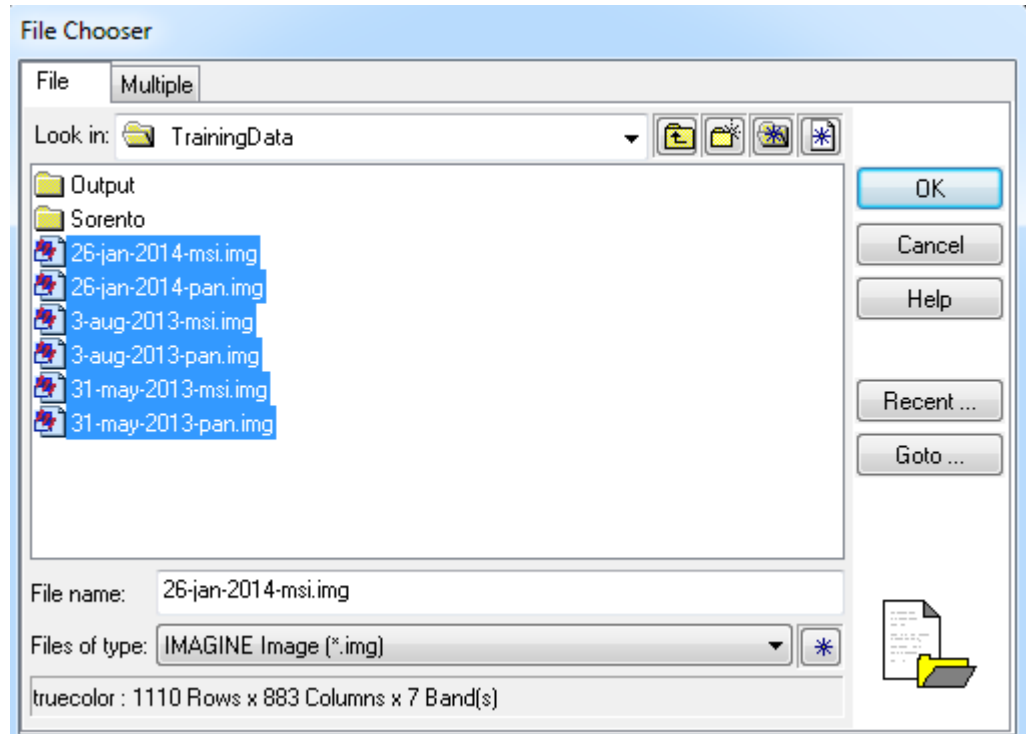
8. Add a Second Group to your **ShoeBox** and Rename to **Perth**



9. **Right Click** on the **Perth** Group and select **Add File**



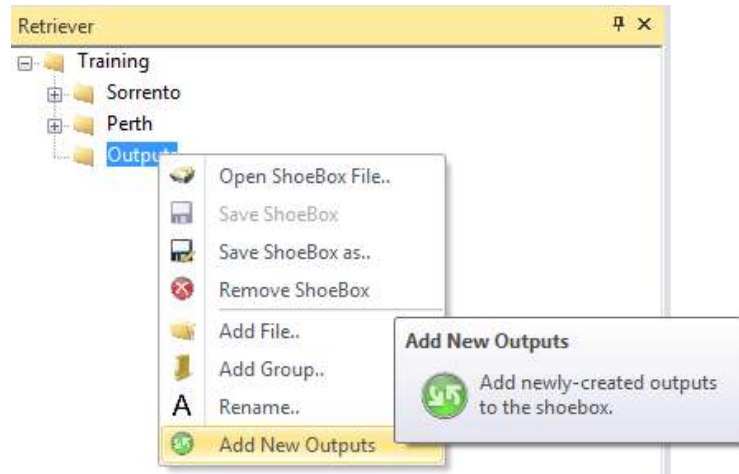
10. Select and Add all six Landsat Images of Perth (as shown) and click **OK**



11. Add a third and final Group and Rename to **Outputs**

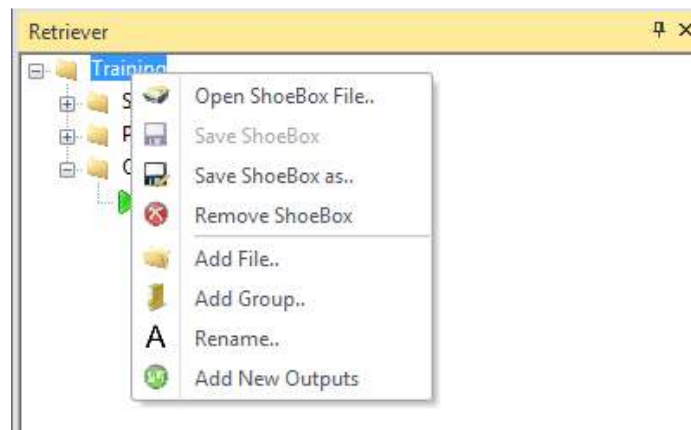


12. Right Click on Outputs Folder and Select **Add New Outputs**



This Add New Outputs function will collate will output results and display in this Outputs Folder, regardless of the file location you save the actual dataset to.

13. Right Click on Training Shoebox and Select **Save ShoeBox as**



14. Navigate to your Output Folder and **Save as training-shoebox.ixp**

You have now create a Shoebox that has shortcuts directly to your data within the IMAGINE Interface and will also keep track of the datasets you create

Class Notes

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