| **Step #** | **Step Summary** | **Action** |
| --- | --- | --- |
|  | Open GUI | Double-click cate-desktop shortcut on Windows Desktop |
|  | Initialise an empty workspace. | Select File->New WorkspaceSelect a folder to contain the new workspace.Create a new sub-folder named UC09 and select it.Click Select. |
|  | Download some CCI Cloud data | Select data store: ESA CCI Open Data PortalHighlight data source: **esacci.CLOUD.mon.L3C.CLD\_PRODUCTS.multi-sensor.multi-platform.ATSR2-AATSR.2-0.r1**Click on “Download and/or open remote dataset”In “Download Data Source” window:* Select Time Constraint and select start time of **2007-01-01** and end time of **2007-03-31**
* Leave the Region constraint and the Variables constraint unselected.
* Select “Download and make local data source”
* Set the default unique ID to **CLOUD\_2007**
* Click on “Download & Open Local”
 |
|  | Download some CCI Ozone data | Select data store: ESA CCI Open Data PortalHighlight data source: **esacci.OZONE.mon.L3.NP.multi-sensor.multi-platform.MERGED.fv0002.r1**Click on “Download and/or open remote dataset”In “Download Data Source” window:* Select Time Constraint and select start time of **2007-01-01** and end time of **2007-03-31**
* Leave the Region constraint and the Variables constraint unselected.
* Select “Download and make local data source”
* Set the default unique ID to **OZONE\_2007**
* Click on “Download & Open Local”
 |
|  | Rename the Cloud dataset resource | In Workspace panel, highlight the resource **res\_1 Dataset**Click on “Resource / Step Properties” buttonEnter the new resource name as **cloud**Click OK |
|  | Rename the Ozone dataset resource | Highlight the resource **res\_2 Dataset**Click on “Resource / Step Properties” buttonEnter the new resource name as **ozone**Click OK |
|  | Select the desired ECV from the Cloud dataset | If operations panel not already open, click on **fx** to display operations panelSelect **select\_var** from the list of operationsClick on ApplyIn the “New Operation Step” window:* Select resource **cloud**
* Select variable name **cfc** from the list and click “OK”
* Click “Apply”

Highlight the resource **res\_1 Dataset**Click on “Resource / Step Properties” buttonEnter the new resource name as **cloud\_cfc**Click OK |
|  | Select the desired ECV from the Ozone dataset | Select **select\_var** from the list of operationsClick on ApplyIn the “New Operation Step” window:* Select resource **ozone**
* Select variable name: **O3\_du\_tot** from the list and click “OK”
* Click “Apply”

Highlight the resource **res\_1 Dataset**Click on “Resource / Step Properties” buttonEnter the new resource name as **ozone\_tot**Click OK |
|  | Coregister "ozone\_tot" with "cloud\_cfc" and call the result “ozone\_coreg” | Select **coregister** from the list of operationsClick on ApplyIn the “New Operation Step” window:* For **ds\_master**, select resource **cloud\_cfc**
* For **ds\_slave**, select resource **ozone\_tot**
* Leave method\_us as default value
* Leave method\_ds as default value
* Click “Apply”

Highlight the resource **res\_1 Dataset**Click on “Resource / Step Properties” buttonEnter the new resource name as **ozone\_coreg**Click OK |
|  | Create subset of the "cloud\_cfc" resource and assign it to new resource named “cloud\_sub” | Select **subset\_spatial** from the list of operationsClick on ApplyIn the “New Operation Step” window:* Select resource: **cloud\_cfc**
* For region, enter: **0,30,10,40**
* Leave Mask as default value
* Click “Apply”

Highlight the resource **res\_1 Dataset**Click on “Resource / Step Properties” buttonEnter the new resource name as **cloud\_sub**Click OK |
|  | Create subset of the "ozone\_coreg" resource and assign it to new resource named “ozone\_sub” | Select **subset\_spatial** from the list of operationsClick on ApplyIn the “New Operation Step” window:* Select resource: **ozone\_coreg**
* For region, enter: **0,30,10,40**
* Leave Mask as default value
* Click “Apply”

Highlight the resource **res\_1 Dataset**Click on “Resource / Step Properties” buttonEnter the new resource name as **ozone\_sub**Click OK |
|  | Produce a correlation map | Select **pearson\_correlation** from the list of operationsClick on ApplyIn the “New Operation Step” window:* For **ds\_x**, select resource **ozone\_sub**
* For **ds\_y**, select resource **cloud\_sub**
* For **var\_x**, select **O3\_du\_tot** from the variables list
* For **var\_y**, select **cfc** from the variables list
* Click “Apply”
 |