

Connecting application inputs to other applications

Application inputs in the [EPISODES Platform](#) can be specified in several ways. There are two input selection options that allow to connect application inputs to other application: **Application output** and **Application input**.

When using **Application output** option the output of first application becomes the input of the next application. This option is useful when creating a sequence of tasks where results from one application should be passed on to the next application.

When using **Application input** option the input of the first application becomes the input of the next application. This option is useful when the given application should always have the same input as another application.

Contents of this guide

With this guide you will learn how to connect application inputs to other applications using [Application output](#) and [Application input](#) options. Please consult the [Applications](#) page for more information about creating and running applications.

Application output

Application output option enables to use the output of first application as the input for the next application. This option is useful when creating a sequence of tasks or a [Workflow](#) where results from one application should be passed on to the next application. Each time the first application is executed the input file for the next application is updated.

To use **Application output** option you need a first application which produces output of the given data type and second application which accepts input with compatible data type. When the first application produces multiple output files the first file with compatible data type will be selected.

Figures 1.1, 1.2, 1.3 show an example connection of two applications:

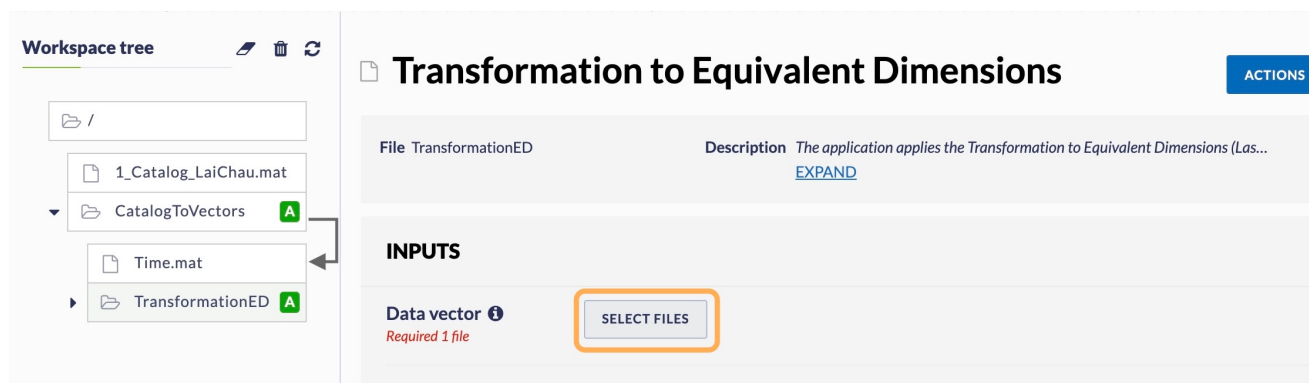


Figure 1.1 Configuring Application output step 1: There are two applications in the Workspace: *CatalogToVectors* application which returns Time.mat file (Data vector) and *TransformationED* application which accepts Data vector input. To create outputinput connection between *CatalogToVectors* application and *TransformationED* application click SELECT FILES button in *TransformationED* application view.

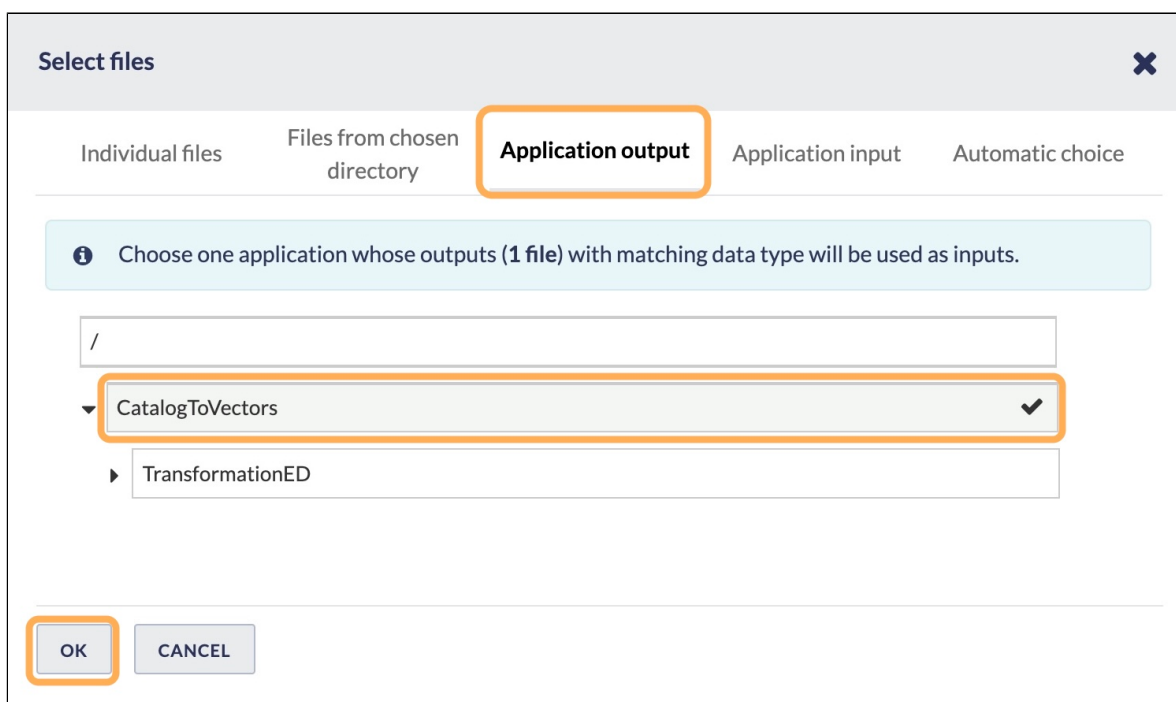


Figure 1.2 Configuring Application output step 2: Select *Application output* option and *CatalogToVectors* application as a source application.

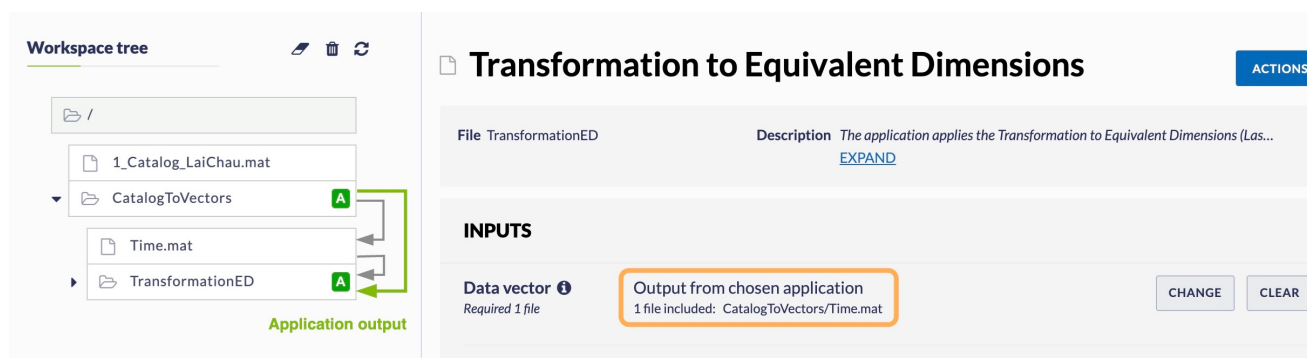


Figure 1.3 Configuring Application output step 3: The only compatible output of *CatalogToVectors* application is *Time.mat* file so it becomes an input of *TransformationED* application. Each time the *CatalogToVectors* application is executed *Time.mat* output file is updated and passed to *TransformationED* application

Application input

Application input option enables to use the input of first application as the input for the next application, it copies input selection from one application to another and keeps it in sync. This option is useful when the given application should have the same input as the other application. Each time the first application's input is changed the next application's input is synchronized and updated.

To use *Application input* option you need a first application which accepts the input of the given data type and second application which accepts input with compatible data type. When the first application accepts multiple input files the first file with compatible data type will be selected.

Figures 2.1, 2.2, 2.3, 2.4 show an example connection of two applications:



Figure 2.1 Configuring Application input option step 1: *CatalogToVectors* application has input of type Catalog set to *BOBREK_catalog.mat* file.

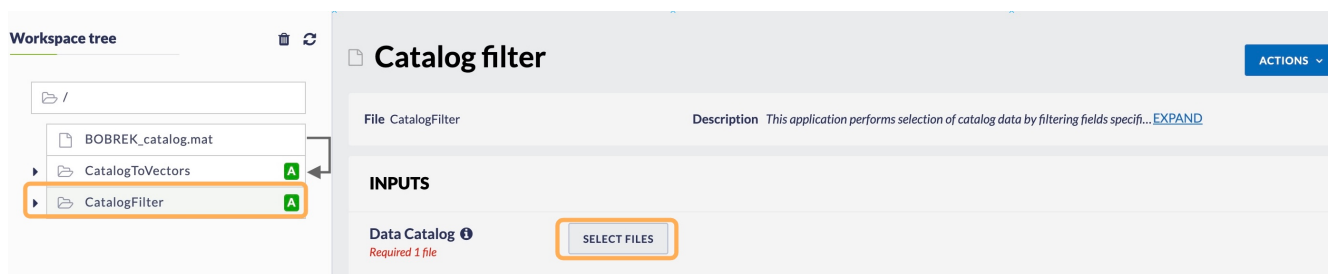


Figure 2.2 Configuring Application input option step 2: *CatalogFilter* accepts input of type Data Catalog (subtype of Catalog). To create inputinput connection between *CatalogToVectors* input application and *CatalogFilter* application click SELECT FILES button on the CatalogFilter application view.

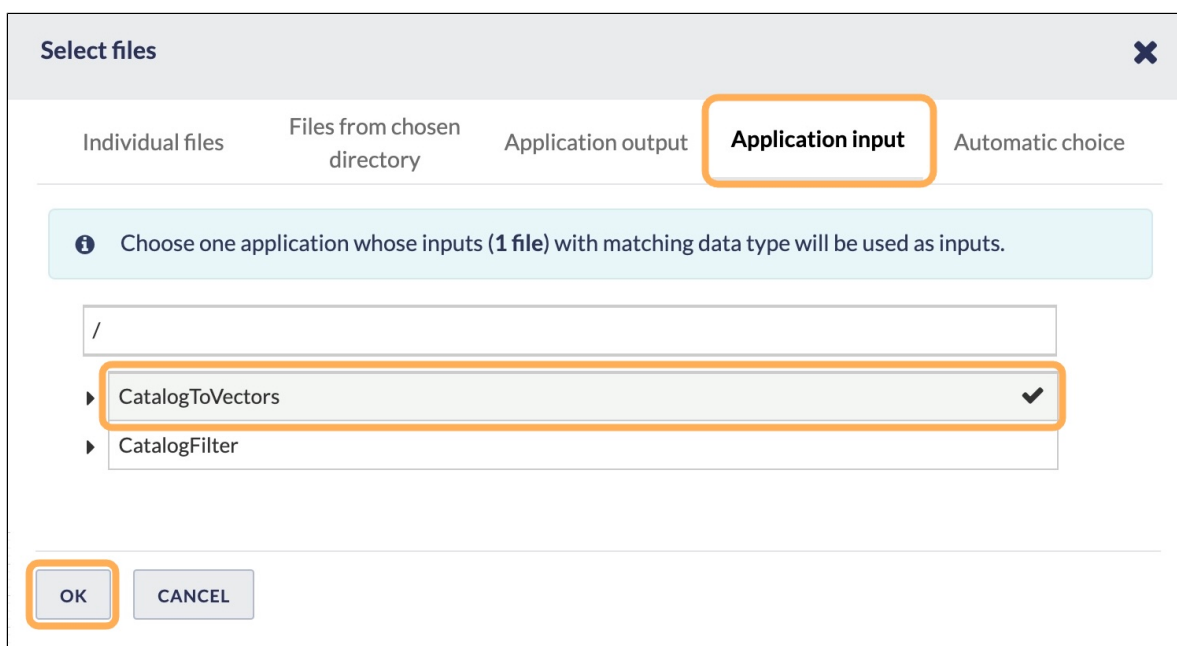


Figure 2.3 Configuring Application input option step 3: Select *Application input* option and *CatalogToVectors* application as a source application.

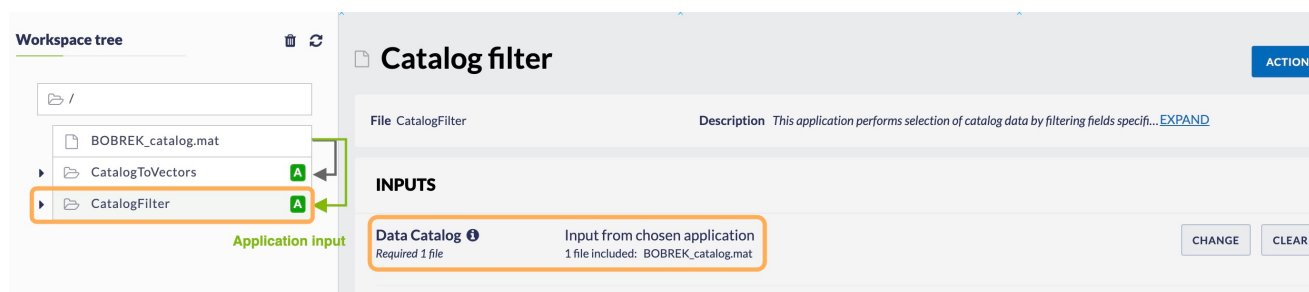


Figure 2.4 Configuring Application input option step 4: The only compatible input of *CatalogToVectors* application is *BOBREK_catalog.mat* file so it becomes an input of *CatalogFilter* application. Now the input is in sync so each time the input of the *CatalogToVectors* application is changed or updated the input of *CatalogFilter* is also updated.

Related Documents

- [Handling large files in workspace](#)
- [My Workspace](#)

EPOS Thematic Core Service Anthropogenic Hazards

- [Managing properties of workspace files](#)
- [Connecting application inputs to other applications](#)
- [Configuring application to run automatically - "Autorun"](#)