Enigma 0.4 - Research

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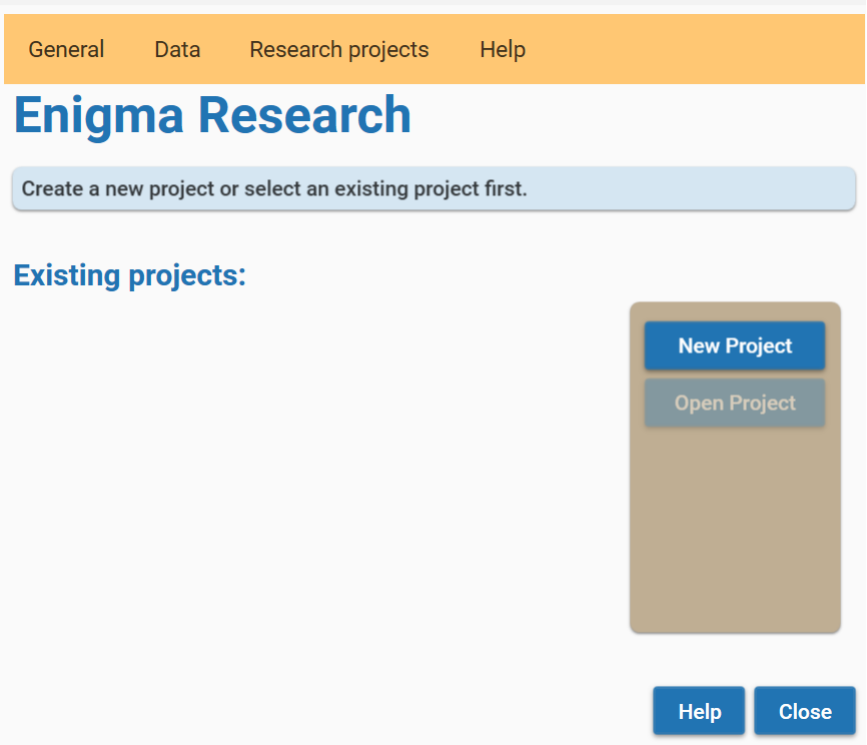
To work in the module *Research*, you can click the image *Research* on the start screen.

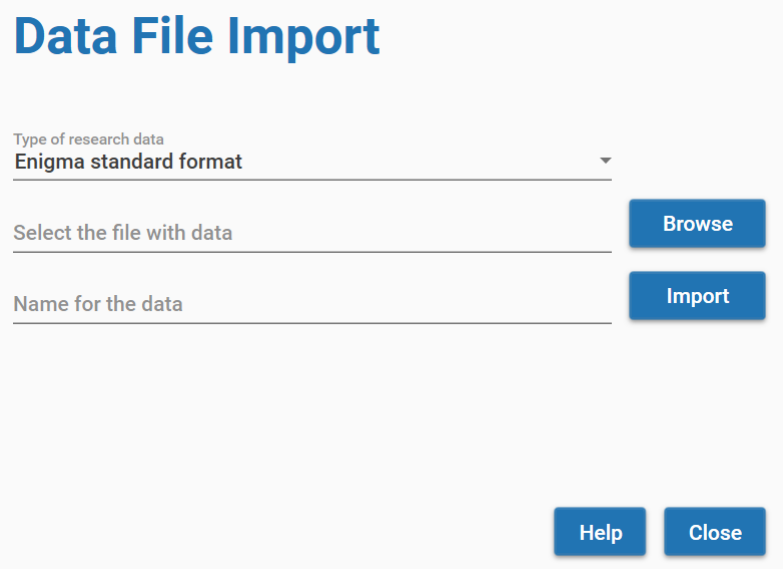


This will open the start screen for this module.

Initially, the screen will not show any projects as you need to create these projects first. And a project requires data. A data file needs to have a specific format.
In the *Appendix - Format for data files* in this manual, you will find a definition for all supported formats.

After reading a data file, Enigma converts it into an internal format.

Defining data



Before you can define a project, you need to define a data-file. Click the menu option **Data - Import data**. You will see the screen *Data File Import*.

Enigma supports two types of data:

- Enigma standard format
- PlanetDance: exported data

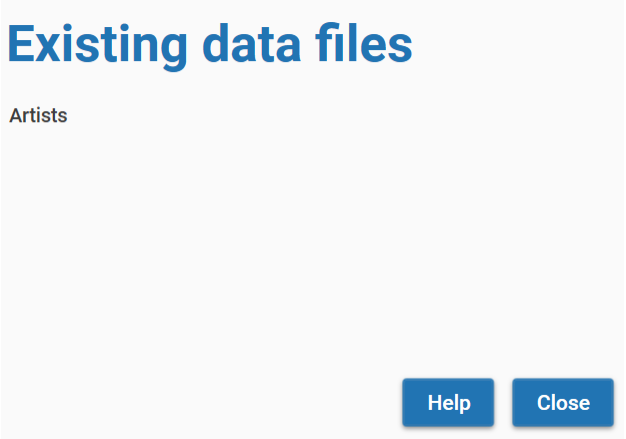
Select the type of data. Also select your data file by clicking the button **Browse**. Enter a name for your dataset and click the button **Import**.

Enigma saves all files in the folder c:\enigma_ar\data. It creates a separate folder for each data file. In each of these folders, you will see the sub-folders *csv* and *json*. These sub-folders contain respectively a copy of the original data and the converted data.

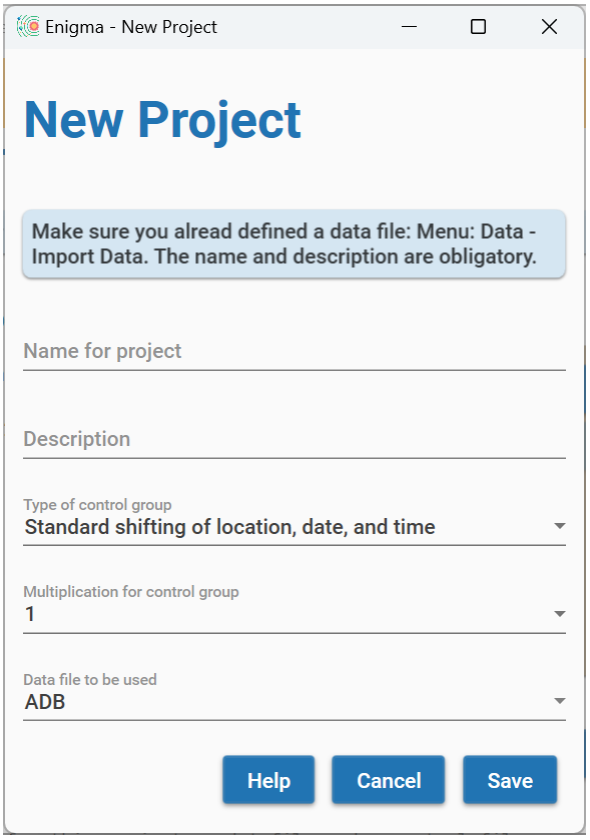
The data folder also contains a file *errors.txt* that contains descriptions of any error that was encountered.

Overview of data files

To get an overview of available data files, you can select the menu option **Data - Available data sets**.
This results in a screen with a list of the names for the different data files.



Working with projects

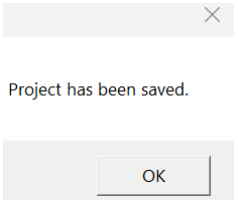


After creating one or more data-files, you can define a project. A project uses only one data-files, but many projects can use the same data-file.

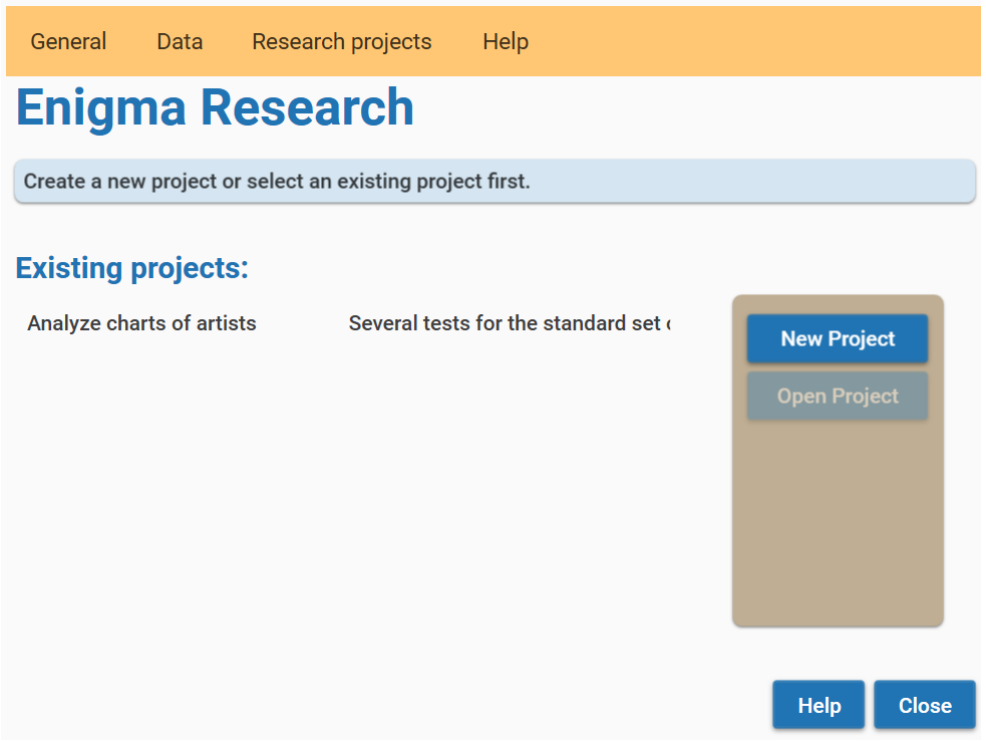
Click the button **New project**. On this screen, you need to define a name for your project and you can add a description. Currently, Enigma supports only one type of control-groups: _Standard shifting of location, date, and time.

You can define a multiplication for the control group, a factor of 1 (no multiplication), 10, 100 or 1000.

Click the button **Save** to write the project definitions to your file system.

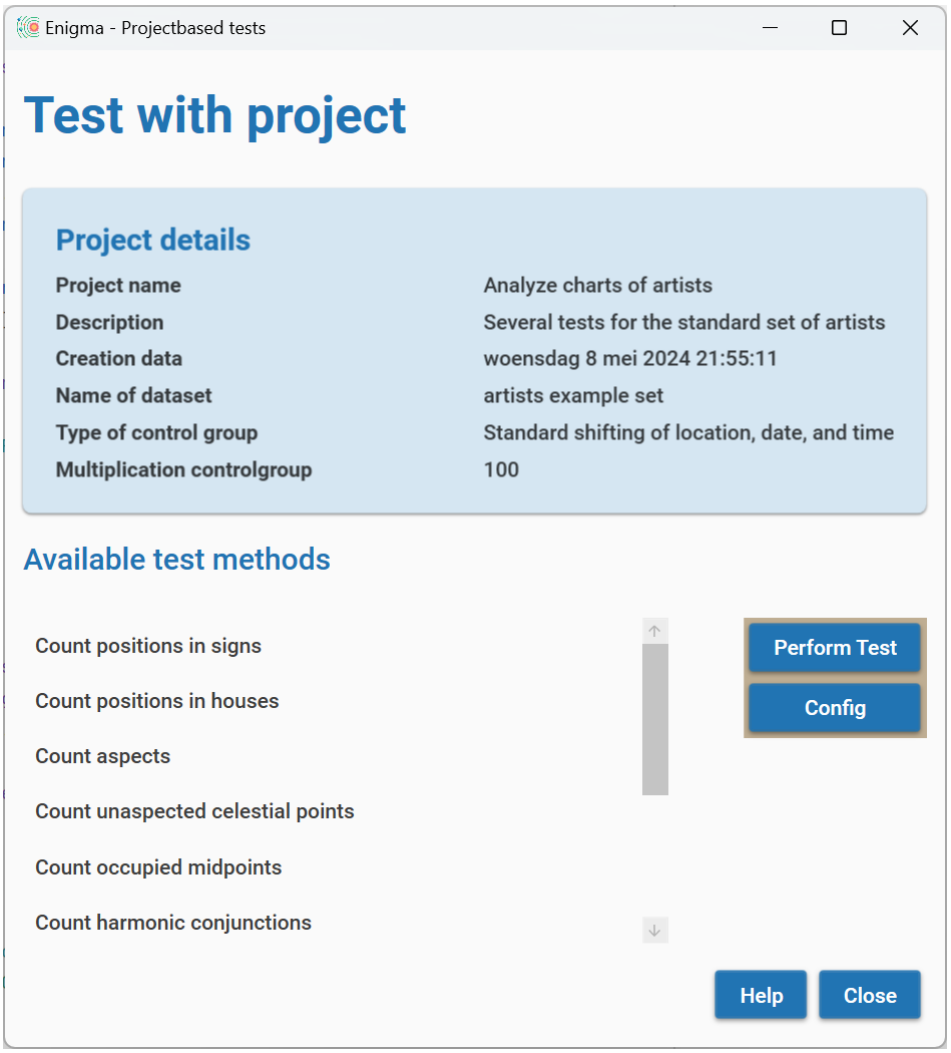


You will see a confirmation pop-up.



The project(s) that you defined will show in the start-screen for research.
You can resize the window if not all text is visible.

Predefined researches



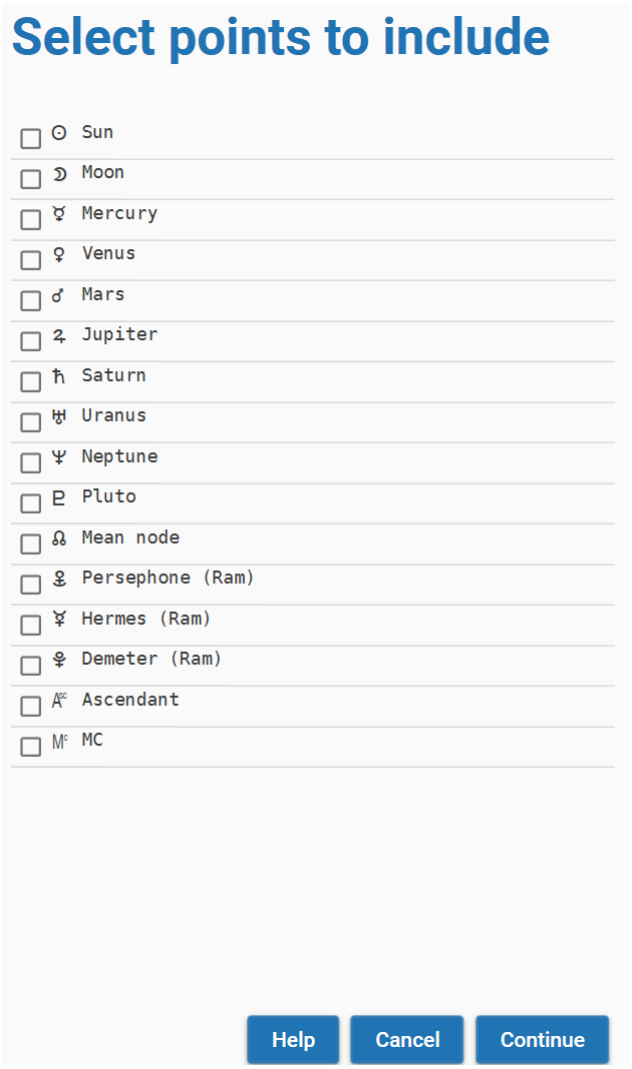
Select one project on the start-screen for research and the button **Open Project** becomes available. Click this button and you will see the window *Test with project*.

This window contains information about the selected project and shows a scrollable list of available test methods.
Currently, Enigma supports 8 tests.

You will also see a button **Config**. By clicking this button, you can access the configuration. This can be important, as Enigma uses the existing configuration for all supported tests. If you need to add or remove celestial points, change orbs, etc., you can only do this via the configuration.

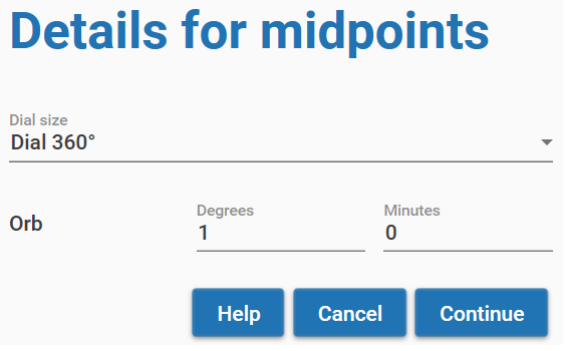
Select the test that you want to perform and click the button **Perform Test**. Depending on the type of test, you will need to enter additional information.

Select celestial points



For all tests, you need to make a selection of the available celestial points.
Enigma shows all points that you defined in the configuration.
Depending on the type of test, you need to specify a specific number of points.
Enigma gives a warning if you do not specify enough points.

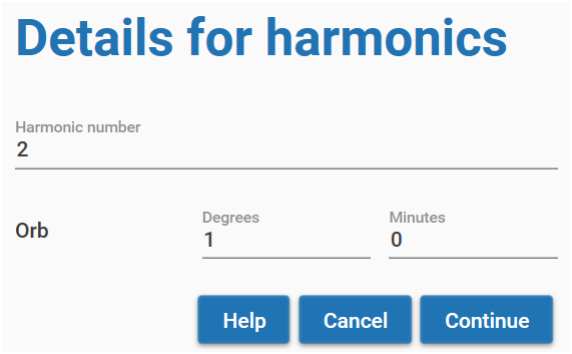
Select details for midpoints



Only if you want to perform the test *Count occupied midpoints*, Enigma will ask for details about these midpoints.

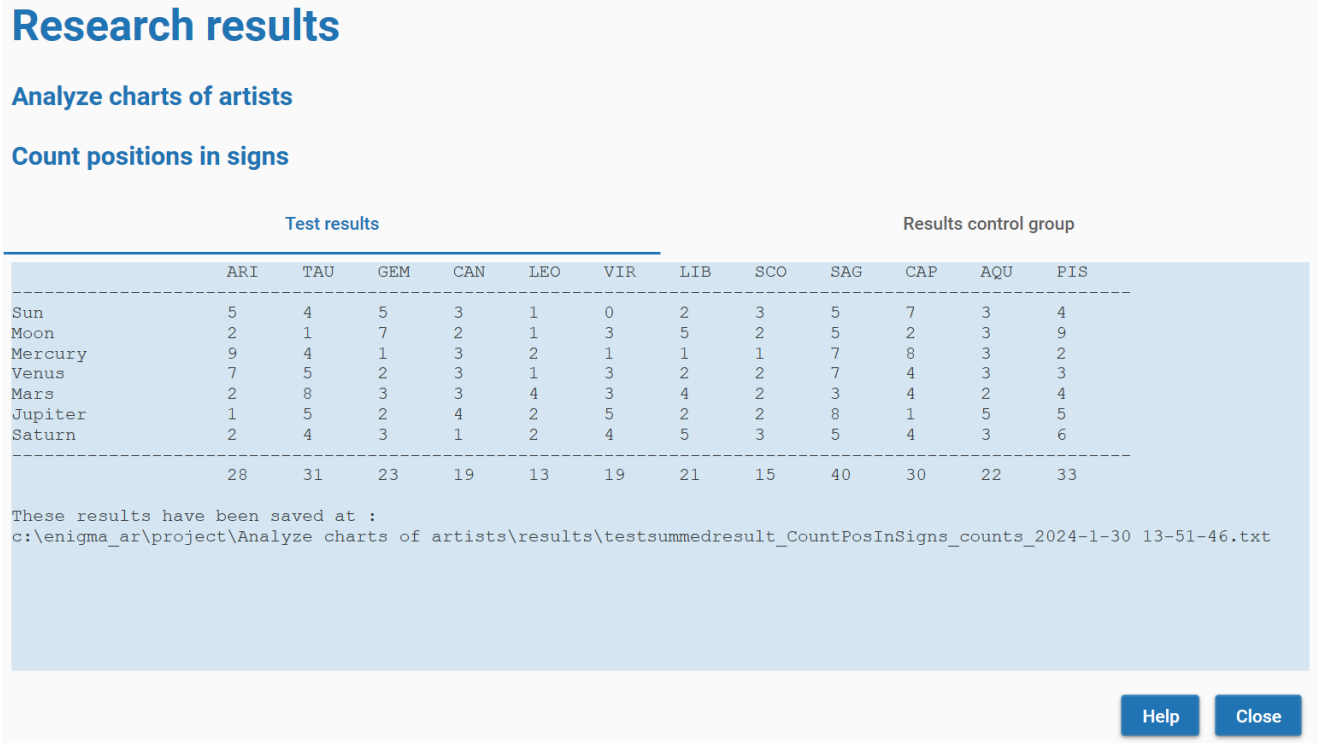
You need to select a dial and define an orb.
This orb will override the orb in the configuration.

Select details for harmonics



If you perform the test *Count harmonic conjunctions*, Enigma will ask for details about the harmonics to calculate.
You need to select the harmonic number and the org to be used. This orb will override the orb in the configuration.

Research results



The results of your test appear in a window *Research results*. This window has two tabs: *Test results* and *Results control group*. In the first tab, you see the calculated values for your research. At the bottom of the overview, you will see the location where Enigma saves the results.

The second tab shows the results of the control-group. The background is light-brown while the background of the test data is light-blue. You will also see the location where Enigma stores the data for the control-group results.