SafePilot Shore Viewer User Guide
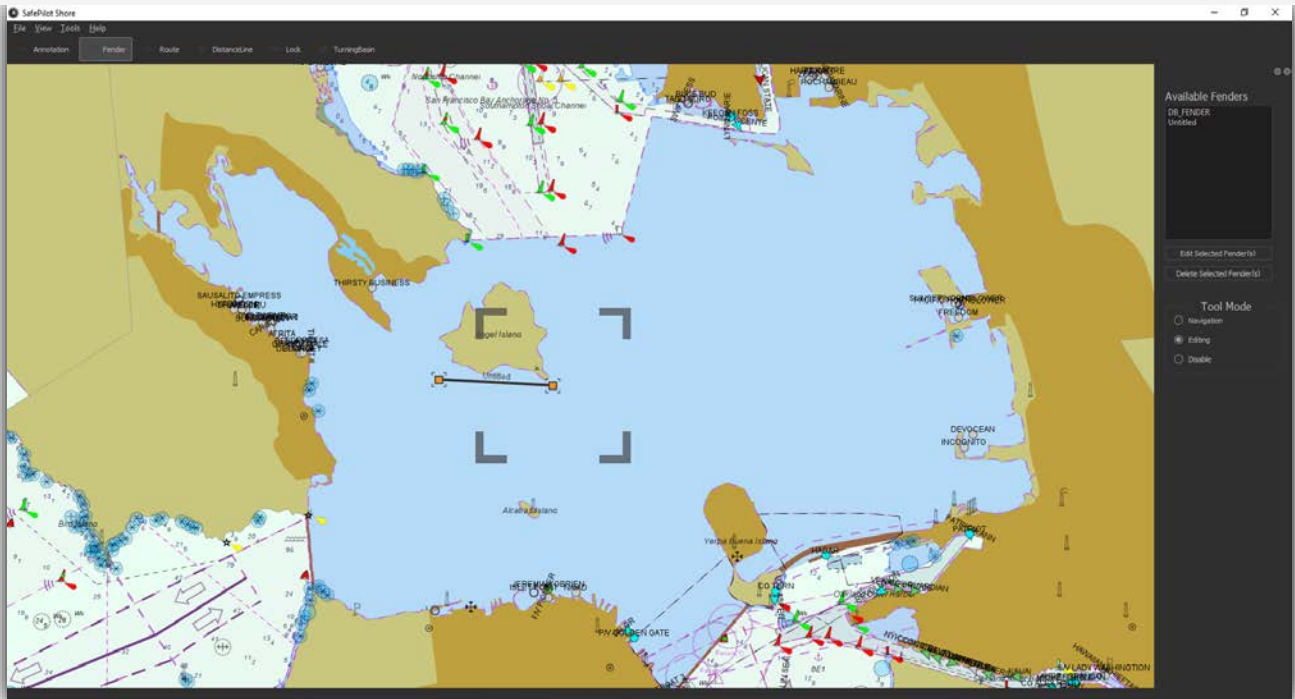
VERSION 3.1

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What's new in SafePilot Shore 3.1

• NOAA charts: Added downloads "By District", "By State" and "By Region"

• Added import of user charts

• Added import of quick jumps

• Improved charts dialog

• Improved notes dialog

• Deploy dialog: selecting the object is enough to deploy the category

• Fixed bug with Primar charts download

• Fixed bug with floating docks

• Fixed Trelleborg link in About dialog

• Fixed multiple details dialogs of the same vessel

• Fixed bugs with NOAA charts download

• Fixed sorting of vessels by notes

• Increased precision of area of interest

Introduction

SafePilot Shore is part of the SmartPort system. It offers overview of planned as well as ongoing port and piloting operations by intelligently integrating relevant data sources. Starting from real-time traffic overview based on AIS to remote monitoring and interactions with the pilots on duty.
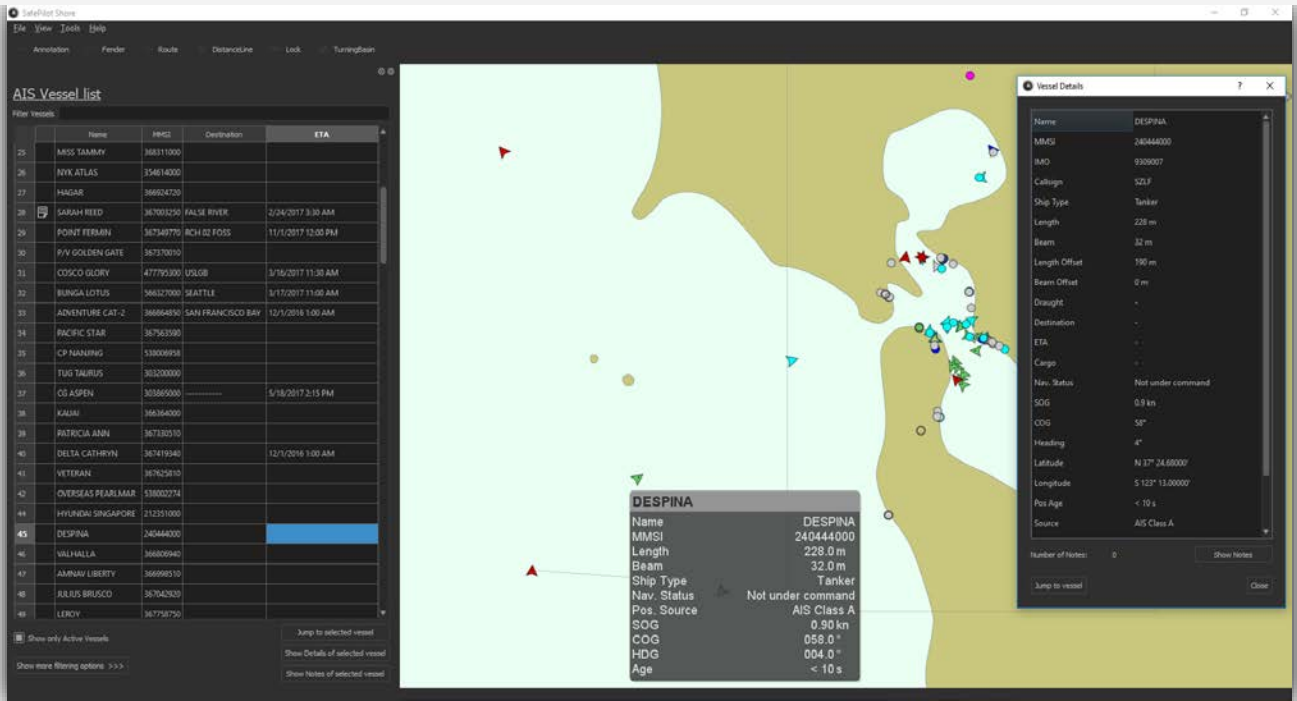
Data is received from the SmartPort Engine server, and can be both AIS data, environmental data, and data from SafePilot apps received over the air.
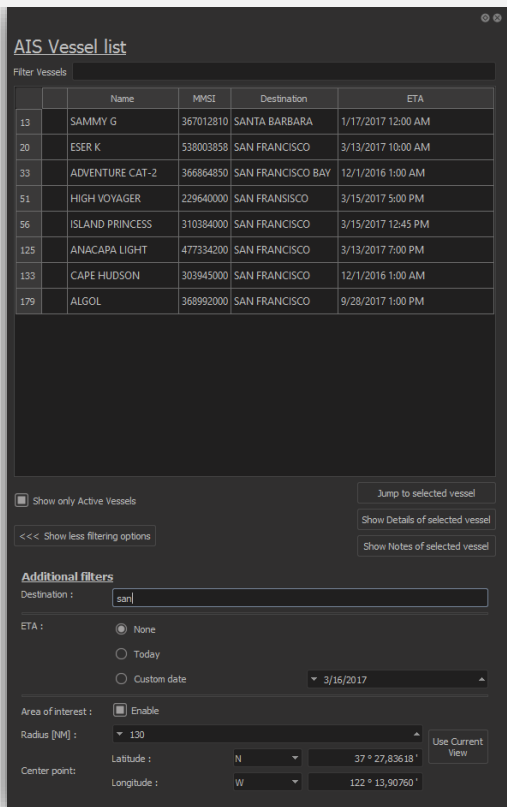
Traffic overview

The main part of the view is the nautical chart. Here you have an overview of the area and real time data coming in from several sources:

• AIS

• Pilots on duty with SafePilot

• Weather data and other environmental data

Vessels list and notes

The vessel list can be found under *"Tools"* then *"Vessels List"* (shortcut $\mathrm{Ctrl} + \mathrm{Shift} + \mathrm{V}$). The dock can be placed on the left or the right side of the screen or can be docked out.

The vessels in the AIS stream will be shown here. By unchecking the checkbox "Show only Active Vessels" it is possible to also display the static data of the vessels saved in the local database (i.e. any vessel ever seen by this device).

It is possible to jump to a given vessel's location by double-clicking it or by selecting it and clicking the button *"Jump to selected vessel"*. It is also possible to show detailed information on a given vessel by clicking the button *"Show Details of selected vessel"*. Finally the notes associated to this vessel are shown by clicking the button *"Show Notes of selected vessel"*.

By opening the Notes dialog a list of all the notes associated with that vessel is displayed. The notes are automatically synchronized with our server and are accessible from SafePilot. It is possible to insert a new note by clicking the *"Add New Note"* button and archive a note by clicking the button *"Archive Selected Note"*. After being archived a note will not show up in SafePilot and SafePilot Shore but is kept on the server for archiving or history purposes. Note that if a vessel has at least one note a symbol will be shown next to its name in the list.
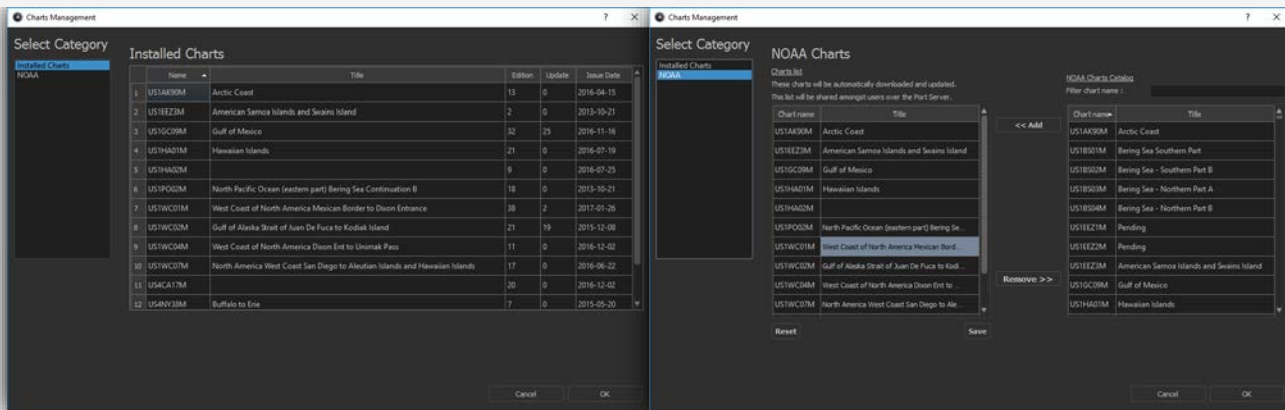
It is possible to search for a vessel by typing its name or MMSI in the *"Filter Vessels"* edit line on the top of the list. If you need more advanced filtering parameters, click the *"Show more filtering options"* button. Extra filtering parameters will be combined together to display only the vessels that are of interest. This includes Destination, ETA and Area of Interest. For example, setting the destination to *"oak"*, the ETA to *"Today"* and a suitable area of interest, only the vessels satisfying these criteria will be shown. The area of interest can be entered manually by setting the center point (lat/lon) and radius of interest or by zooming to the desired area and click the button *"Use Current View"*.

Charts management

Chart management can be found under *"Tools"*, then *"Charts"* (shortcut Ctrl + Shift + C).

The first tab shows the list of charts currently installed in SafePilot Shore. The rows can be sorted by different columns by clicking on the corresponding header.
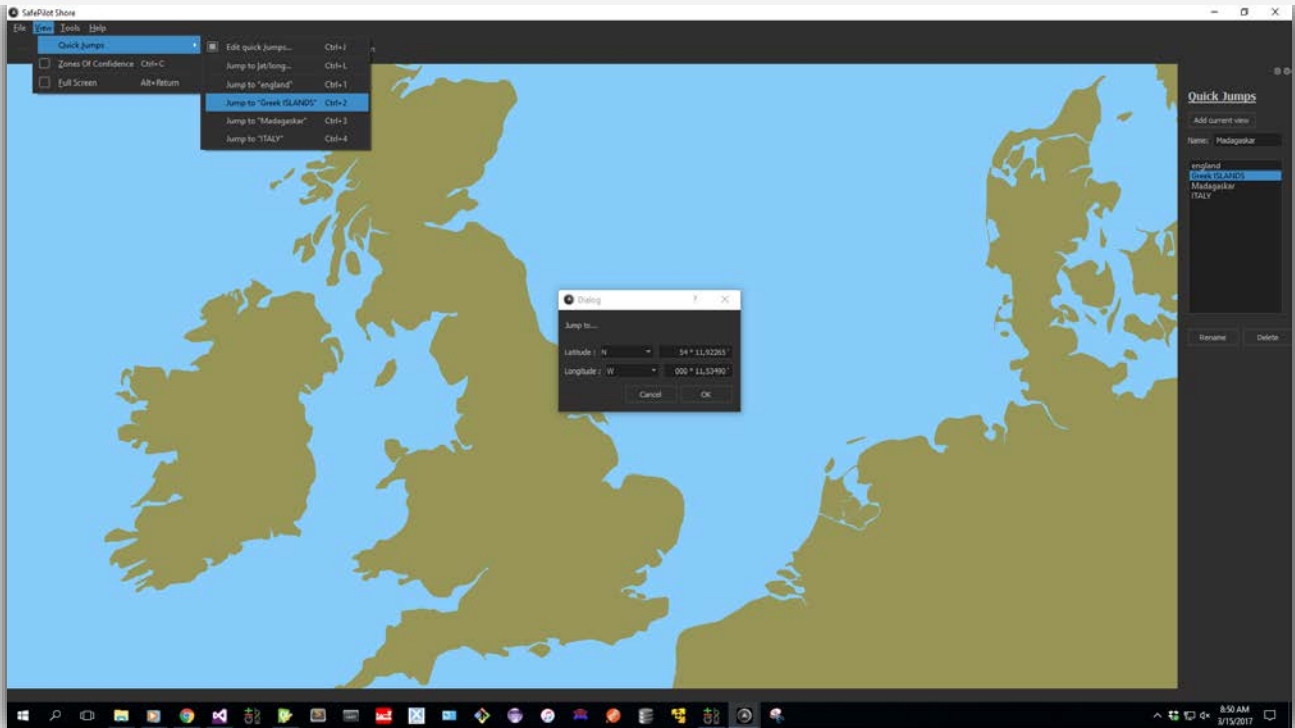

The second tab provides management functionalities for NOAA charts. A set of charts can be selected from NOAA catalog (displayed on the right side) by double-clicking a given chart or by selecting one or more charts and pressing the *"Add"* button. It is possible to search for a specific chart by entering its name or title in the *"Search charts"* edit line on top of the catalog list. Click *"Save"* to start using this set of charts for *every* device connecting to the same PortServer! The charts will then be automatically downloaded and maintained. Pressing the *"Reset"* button will reset the charts list to the current set of NOAA charts shared across the server. It is also possible to select NOAA charts by *"District"*, by *"State"* and by *"Region"*. For that select the corresponding tab and add the desired set of charts to the list.

The third tab provides a way for users to import local charts. Press the *"Import..."* button to select a chart file from your computer. The chart will then be imported.

Quick jumps

The quick jump menu can be found under *"View"*, then *"Quick Jumps"*.
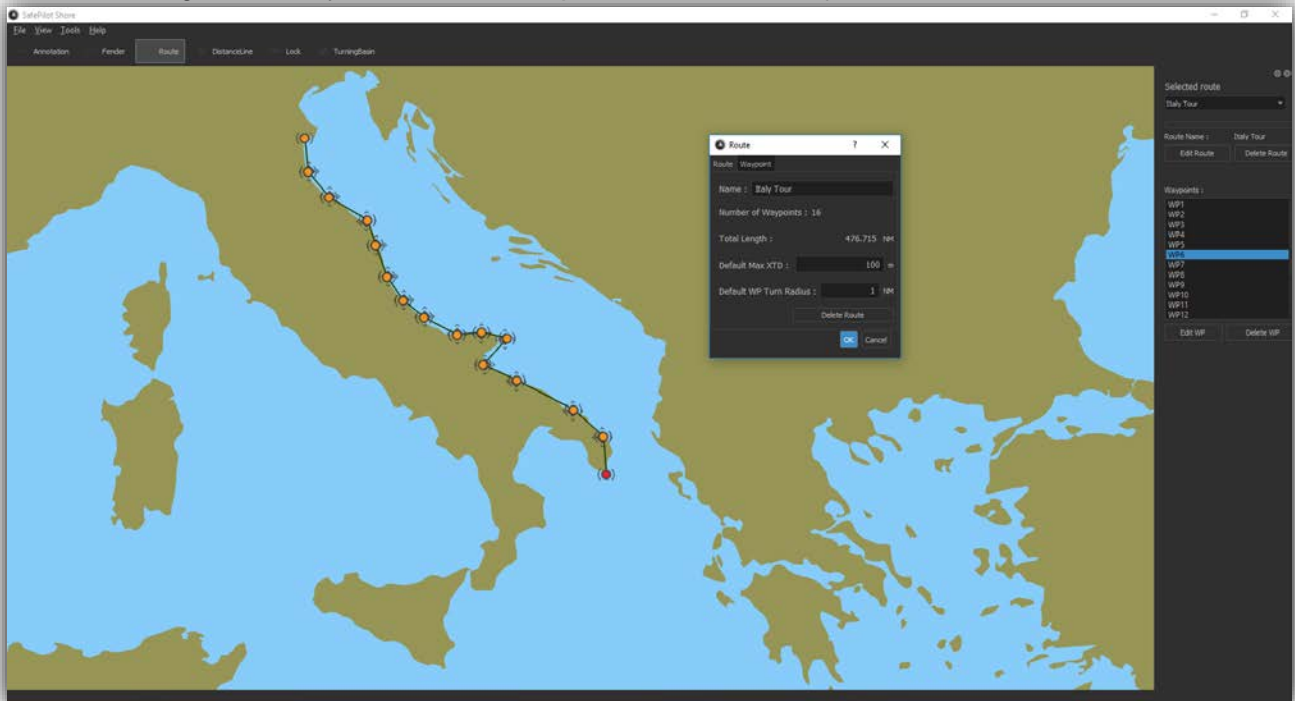

Click *"Edit quick jumps..."* to display the quick jump dialog which will display the list of your saved views. Quick jumps allows the user to bookmark specific location views for easy access. To add a new quick jump view simply navigate to the desired area and zoom level and click the button *"Add current view"*. Enter a suitable name under *"Name"* before pressing the button to better organize the views. Delete a view by selecting it and pressing the *"Delete"* button.

All the views are accessible in the *"Quick Jumps"* menu and through shortcuts. The last inserted view will have the shortcut $\mathrm{Ctrl} + 1$, the second last $\mathrm{Ctrl} + 2$, etc... until $\mathrm{Ctrl} + 9$.

It is also possible to jump to any desired location by going under *"View"*, then *"Quick Jumps"*, then *"Jump to lat/lon..."* (Shortcut $\mathrm{Ctrl} + \mathrm{L}$).
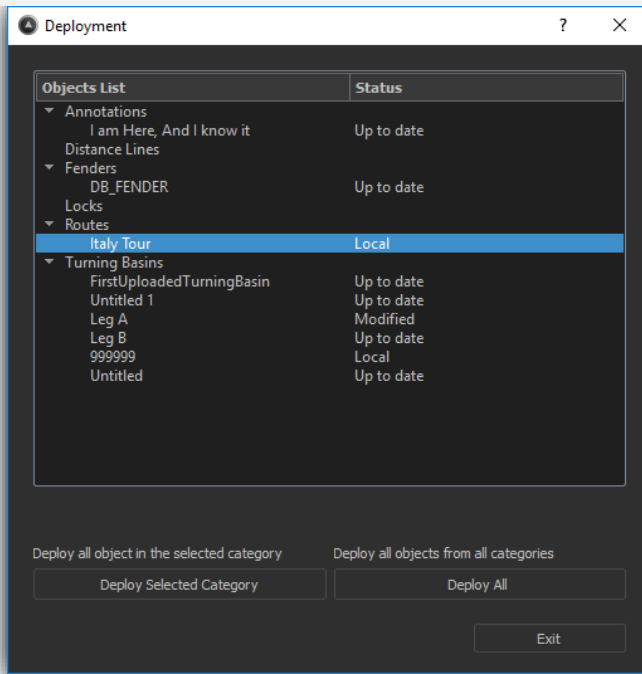
Using tools to manipulate objects

The Shore client provides an easy way to edit all SafePilot objects (routes, fenders, etc...). Activate the corresponding tool from the tool bar and right click on the object to open its edit dialog. Change the desired parameters and click *"Ok"*. It is also possible to delete any objects. When a given tool is selected, right-click anywhere on the map to create a new object.

Deployment

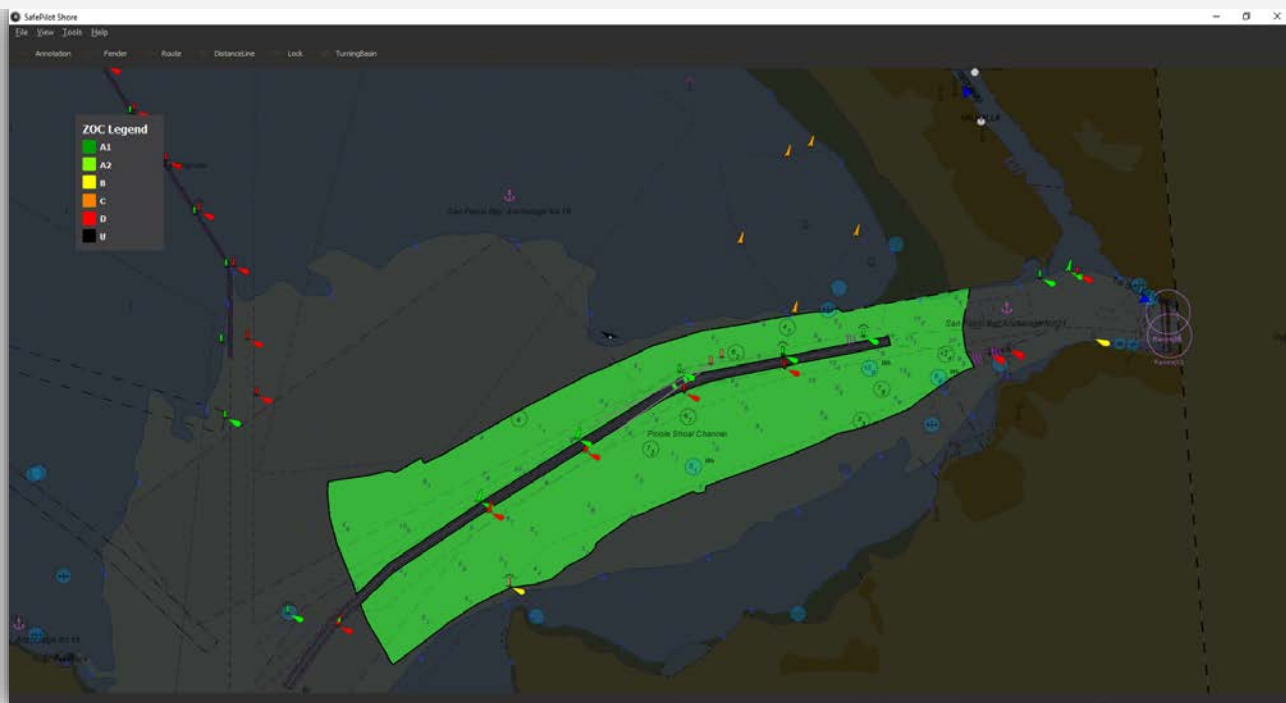The deployment functionality can be found under *"Tools"*, then *"Deploy..."*.

When a new object has been created or an object has been modified the change exists only locally on the Shore system. In order to share objects to all SafePilot clients open the Deploy dialog or go under "Tools", then "Deploy All".

In the deployment dialog, a list of all objects and their statuses are shown. It is possible to deploy one category at a time by selecting the name of the category (e.g. *"Routes"*) and click *"Deploy selected category"*.

Zones of confidence

The zones of confidence feature can be enabled/disabled under *"View"*, then *"Zones of Confidence"* (Shortcut: $\mathrm{Ctrl} + \mathrm{C}$).

Settings

Settings are found under *"Tools"*, then *"Settings"*. In the settings, you can change the registered email of the user and the preferred units systems.