ACADEMY

GEOMAX

TUTORIAL
DATA MANAGEMENT

DATA MANAGEMENT

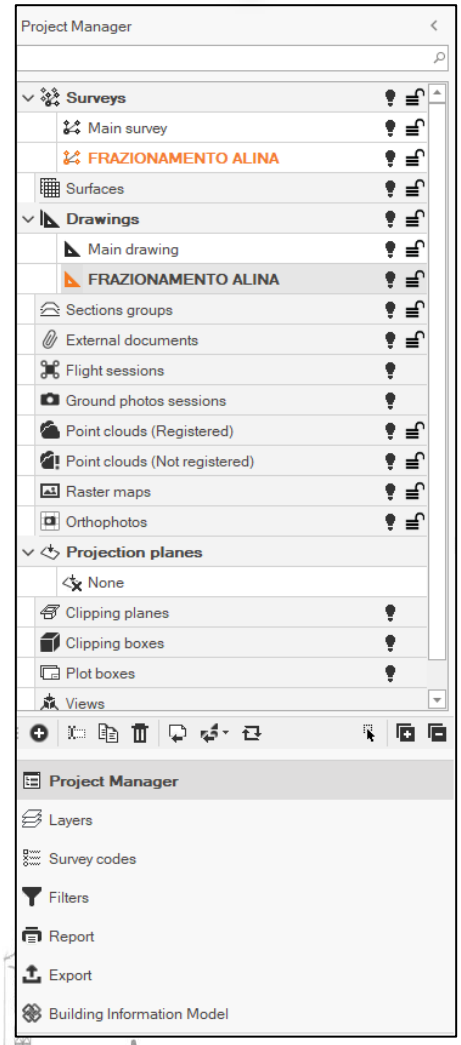
DESCRIPTION

- Data management
- Data visualization

GOAL

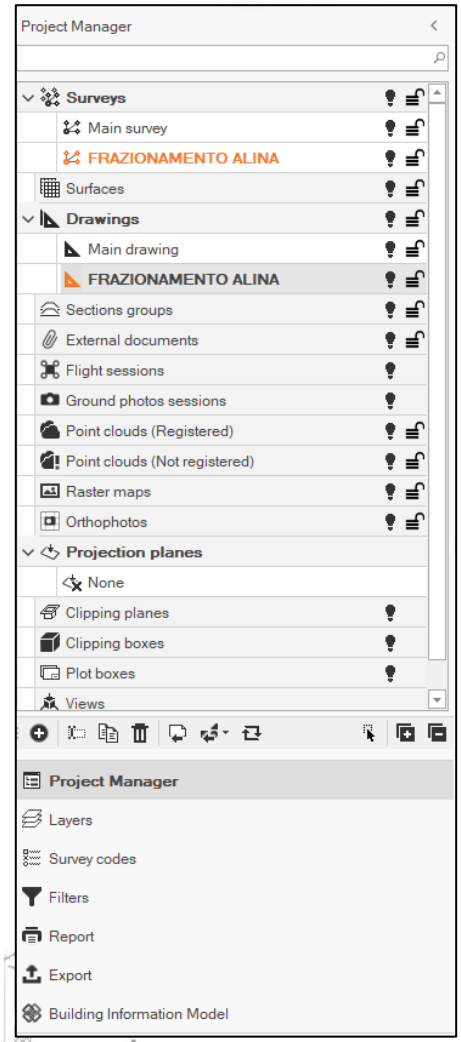
- Learn how to use X-PAD FUSION main interface and project manager
- How to view and analyze the imported data

Project manager

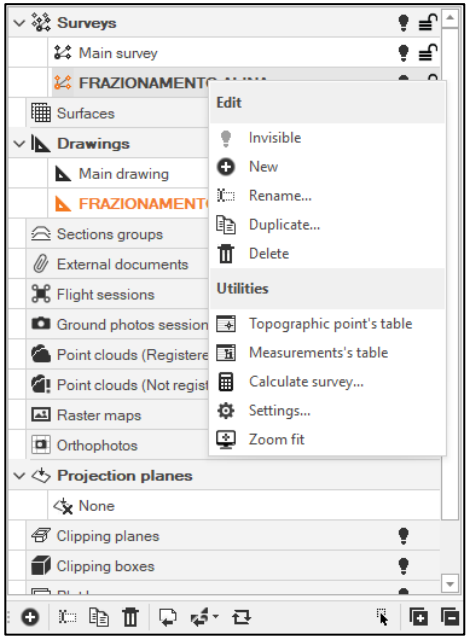


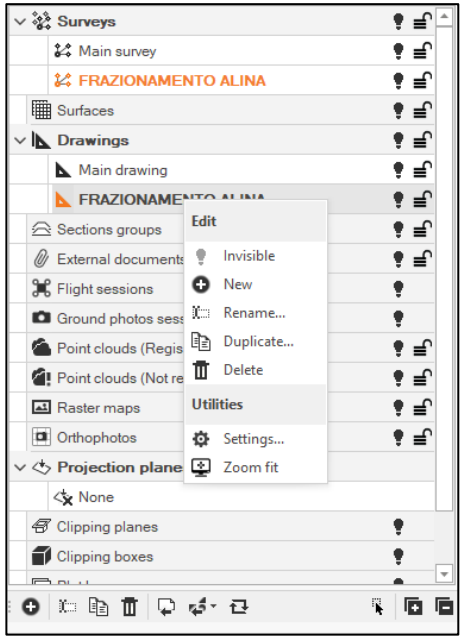
- Essential tool to organize the data
- All your data can stay together and you can manage their visibility with one click
- It is possible to assign a color to each subproject
- It is possible to save and manage also Projection planes, Clipping planes, Plot boxes, Views

Project manager

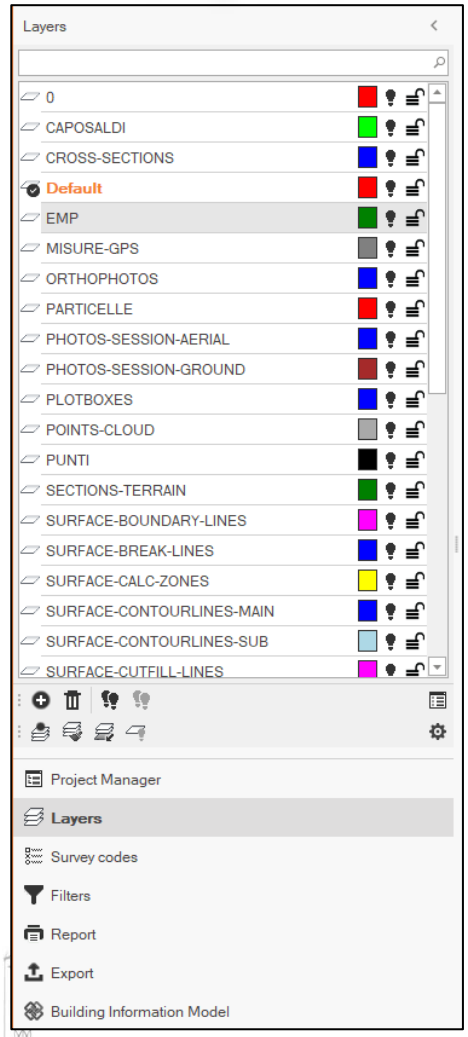


- By clicking with the right mouse button on one of the entities from the Project Manager It is possible to open a drop-down menu and use further functionalities

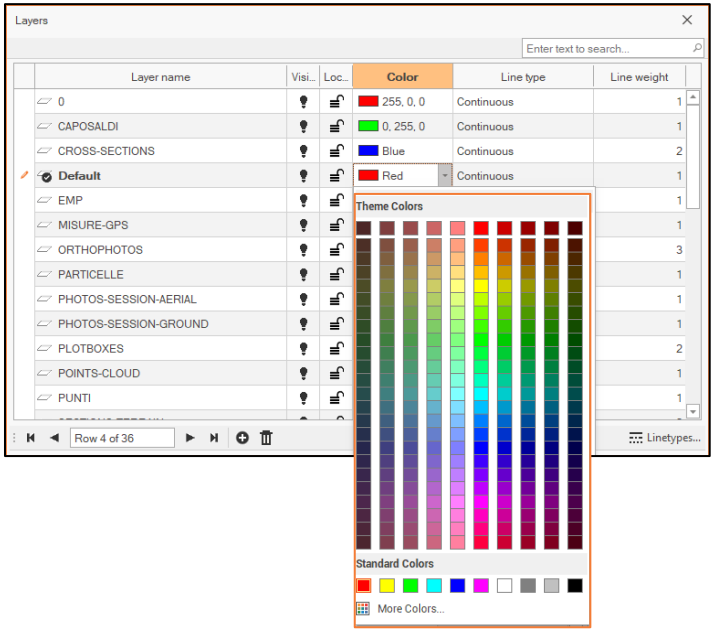


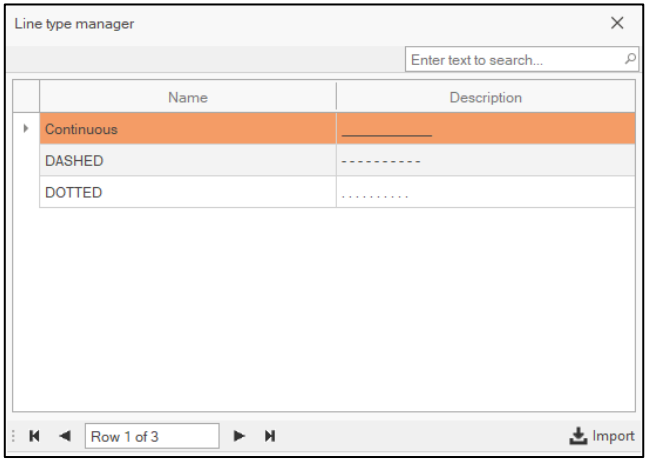


Layers

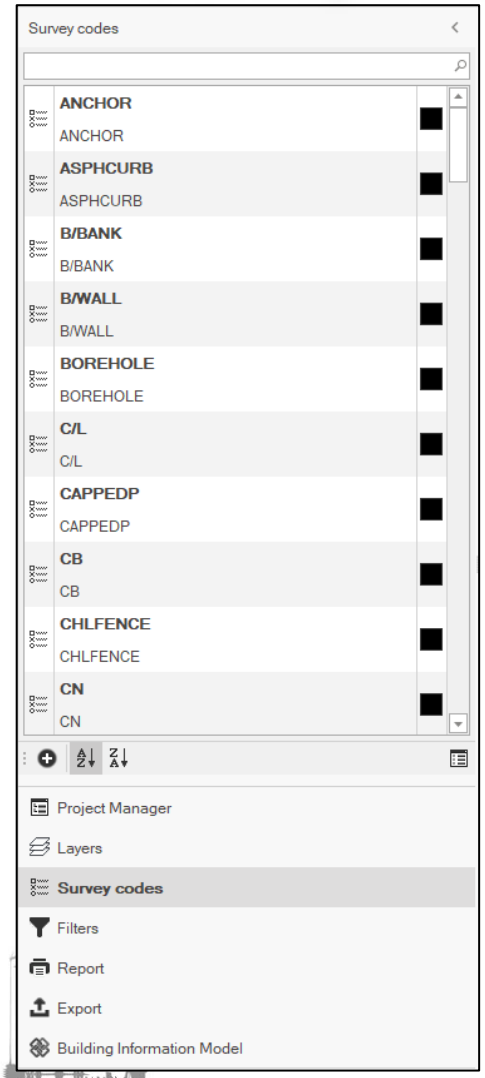


- Layers are organized in an AutoCAD style
- Automatic link «entity type» -> «layer»



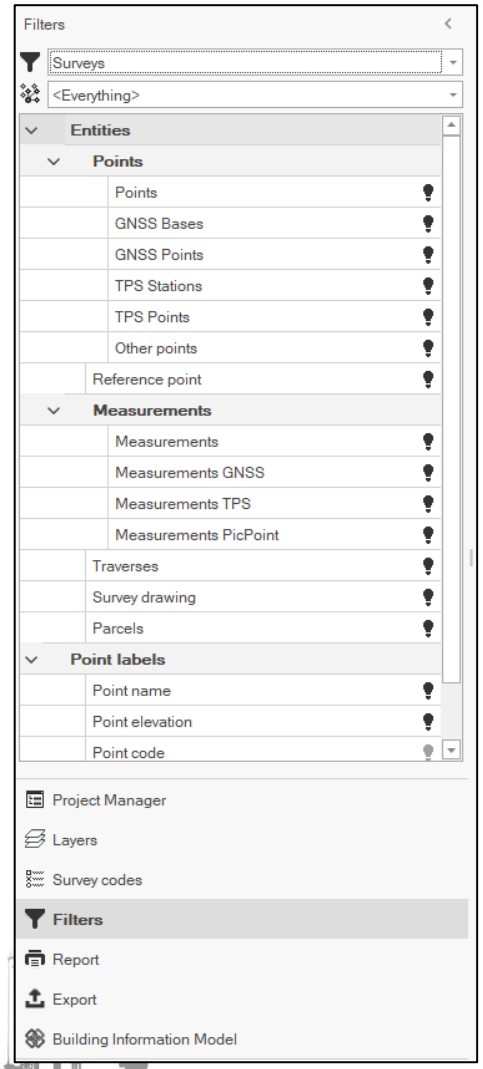


Survey codes

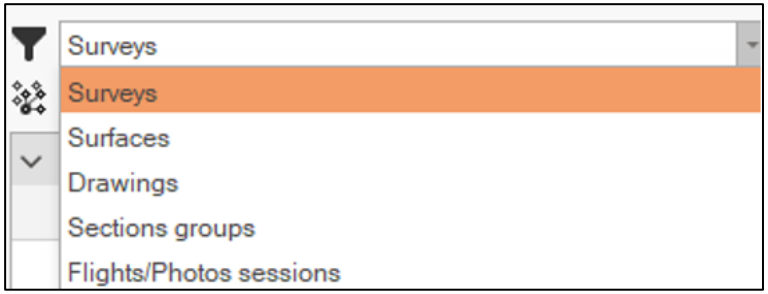


- Allows to create survey code list (importable and exportable to X-PAD Field)
- Allows to create survey drawing lines between points
- Drawing attributes and layers linked to codes
- Symbols linked to codes

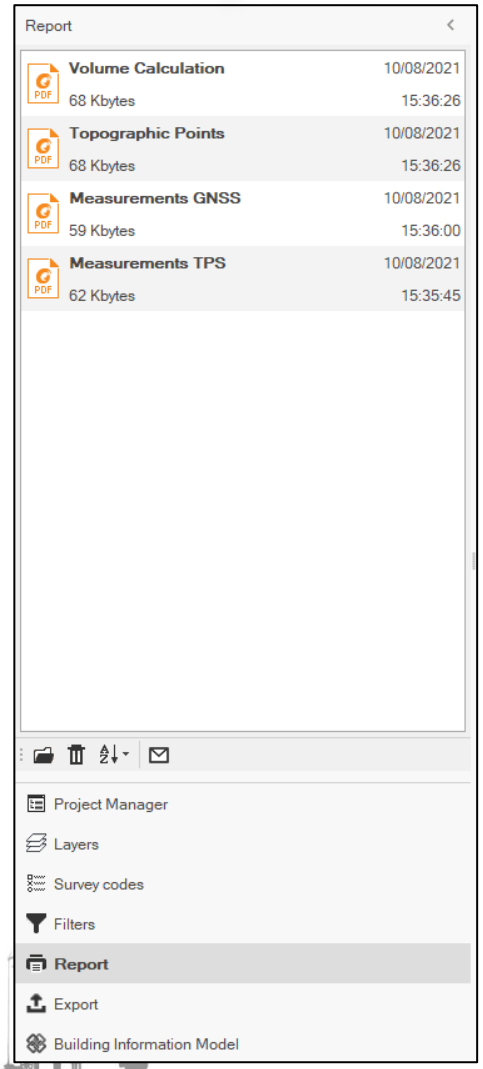
Filters manager



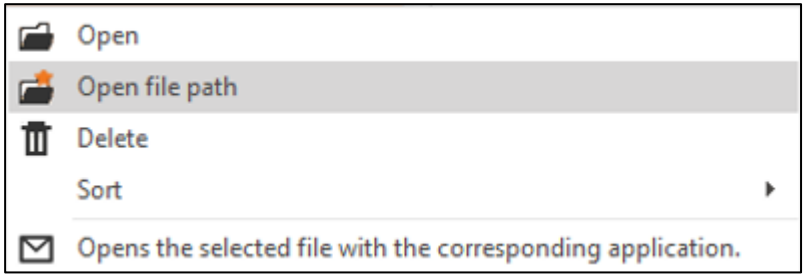
- Allow to make the entities visible/invisible
- In this way you can display/hide entities despite of their layer visibility



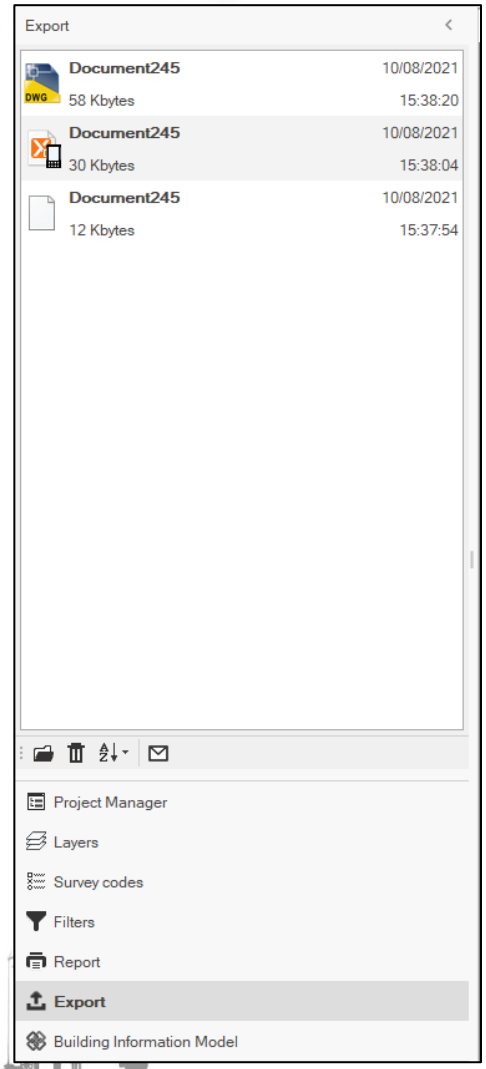
Reports manager



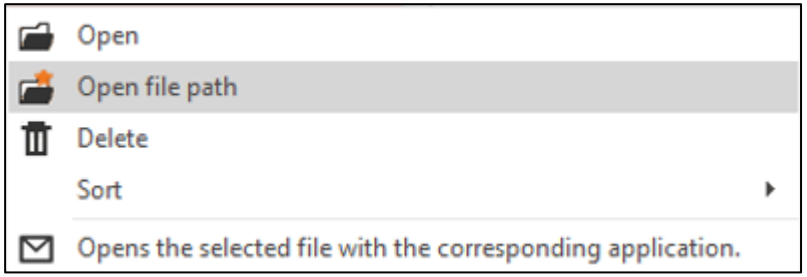
- List of all reports generated in the current project



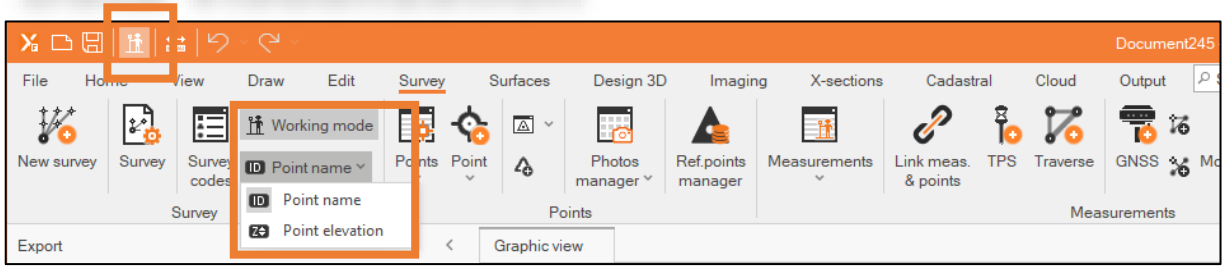
Export manager



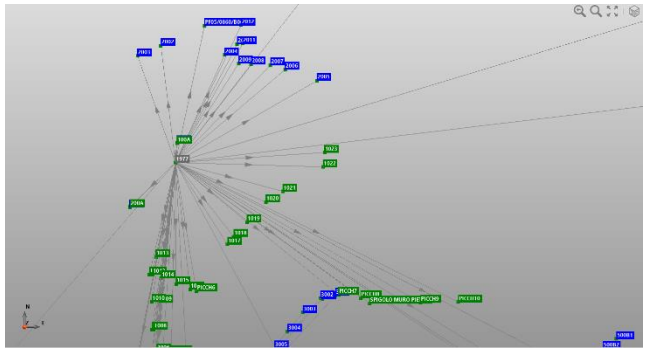
- List of all exported files for the current project

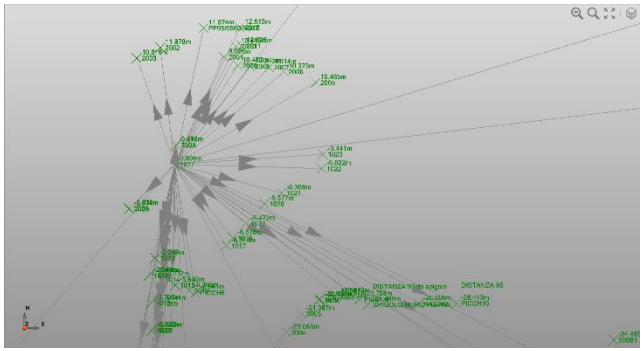


Data visualization

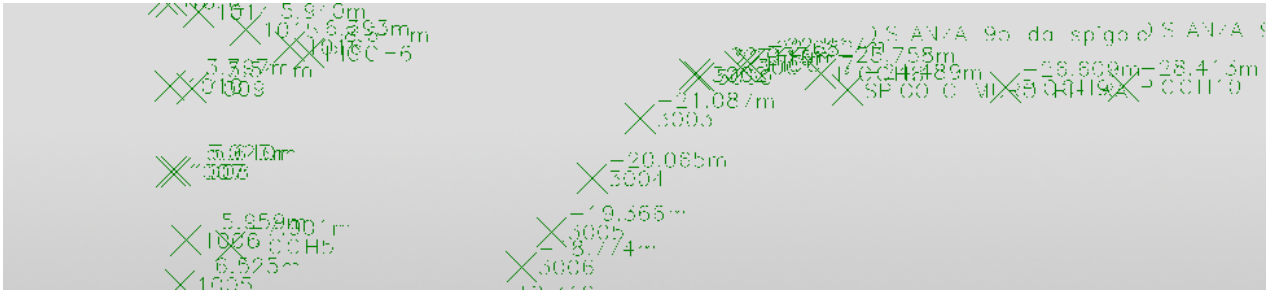


- **Working mode** changes the visualization of the drawing and points in CAD view
- Is the best way to work while drawing or making operations on the points, the point labels are automatically scaled





Data visualization CAD

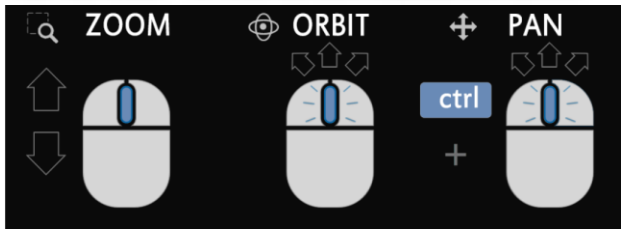


- CAD view represents how the drawing will be plotted or exported in CAD

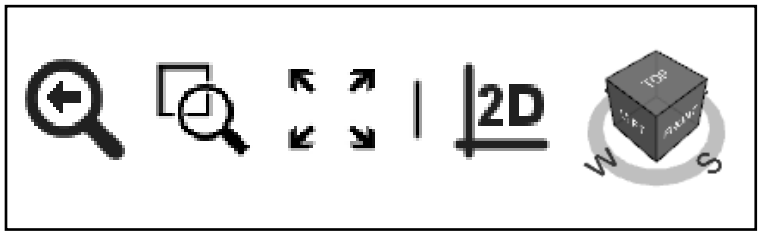
- Symbol and text size depends on the scale selected

- And on the size defined in the Survey settings

Data visualization



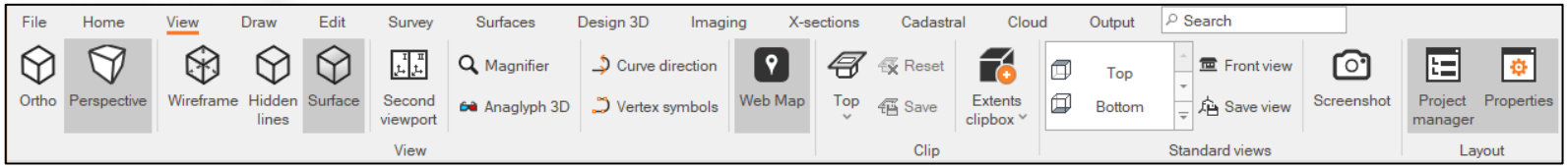
Mouse navigation



Previous view, zoom windows,2D/3D

- The buttons located on top-right of the graphic view are used to Zoom and Rotate the view
- Selecting the 2D/3D button is possible to switch between a 2D visualization and a 3D visualization
- After the 3D view is selected, use the central button of the mouse or the 3D cube to rotate easily the view

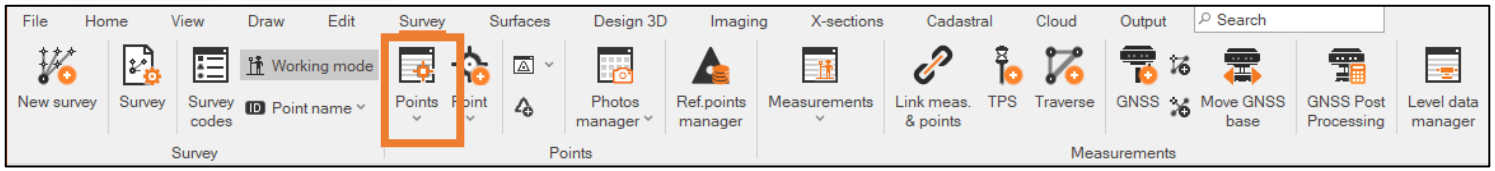
Web Map



- *Web Map* visualizates the points over a Web Map (Google Map, Bing, etc…) or a defined Web Map Service

- Points must have a valid WGS84 position or a function to locate the project on Web Maps is available

Points table



- *Points table* allows to view all the points in a survey
- Double click on a point to review more information

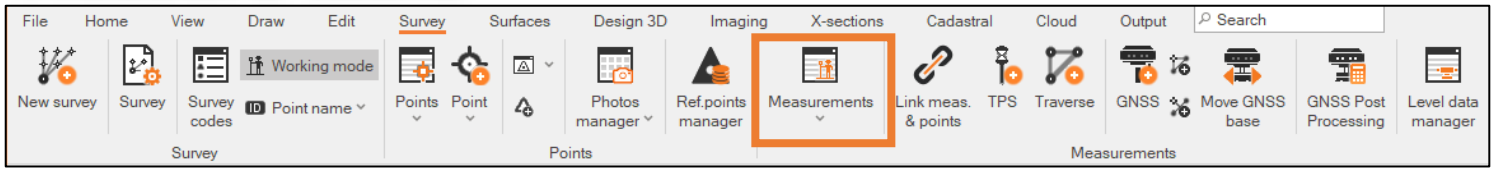
Points [FRAZIONAMENTO ALINA]

	Type		Name	Code	E	N	Z	Description			
1		☑	100		0.284m	4.038m	0.386m		☑		
2		☑	200		-9.338m	-9.061m	-0.630m		☑		
3		☑	300		-13.107m	-68.626m	-11.496m		☑		
4		☑	400		7.357m	-131.228m	-21.082m		☑		
5		☑	PF06/0860/B067		202.489m	261.373m	13.134m		☑		
6		☑	401		202.485m	261.375m	13.125m		☑		
7		☑	AUX_1		250.739m	-164.576m	-32.990m		☑		
8		☑	AUX_2		249.292m	-163.487m	-33.207m		☑		

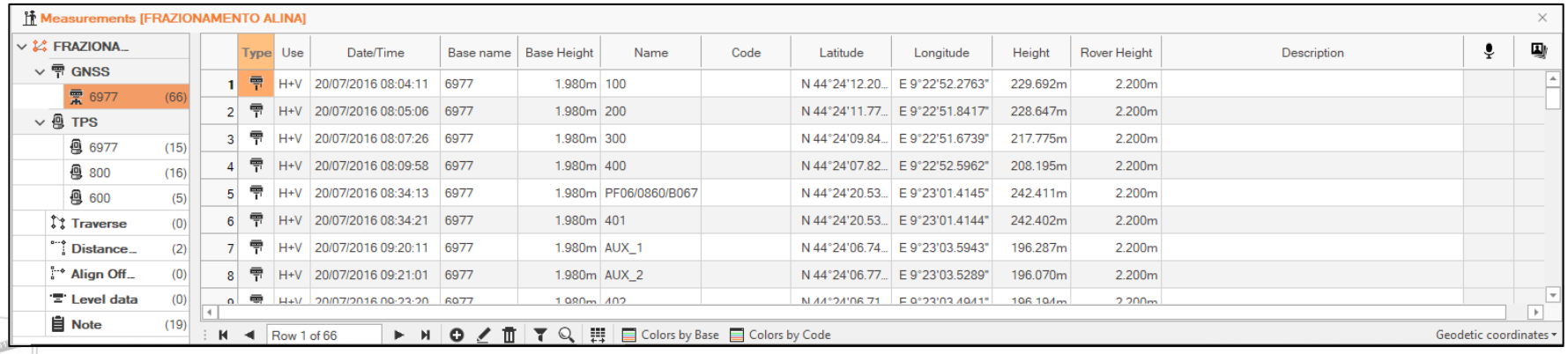
Row 83 of 102

ENZ

Measure table

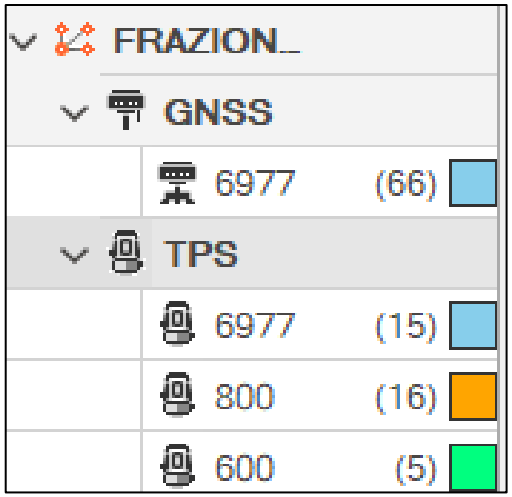


- *Measure table* allows to manage all types of measures
- Measures are divided by type
- Double click on a measure to review more information

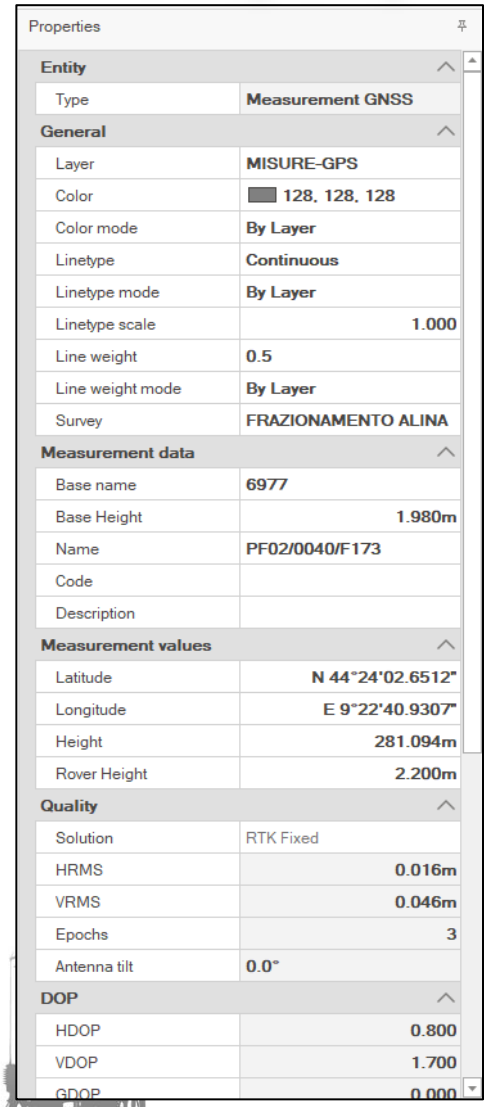


Measure table

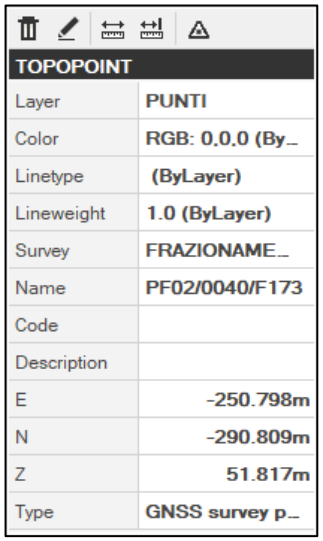
- The function *Colors by Station* or *Colors by Code* allows to display the observations with a different color depending on the station or depending on the point code



Property windows, Autolist



- Property window is used to visualizate the properties of selected items
- Depending on the object selected, different information are displayed



- Propertyies of an element are also displayed when moving the mouse pointer over the element

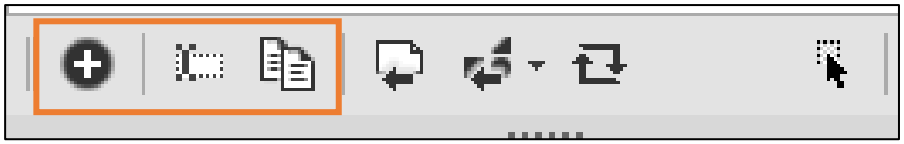
How copy data between surveys

- Data is subdivided in project and subprojects
- Using the New Survey is possible to create a new survey database

- With copy and paste function, any set of point can be copied from a survey to another survey

How copy data between surveys

- The tools in the Project Manager allows different operations:

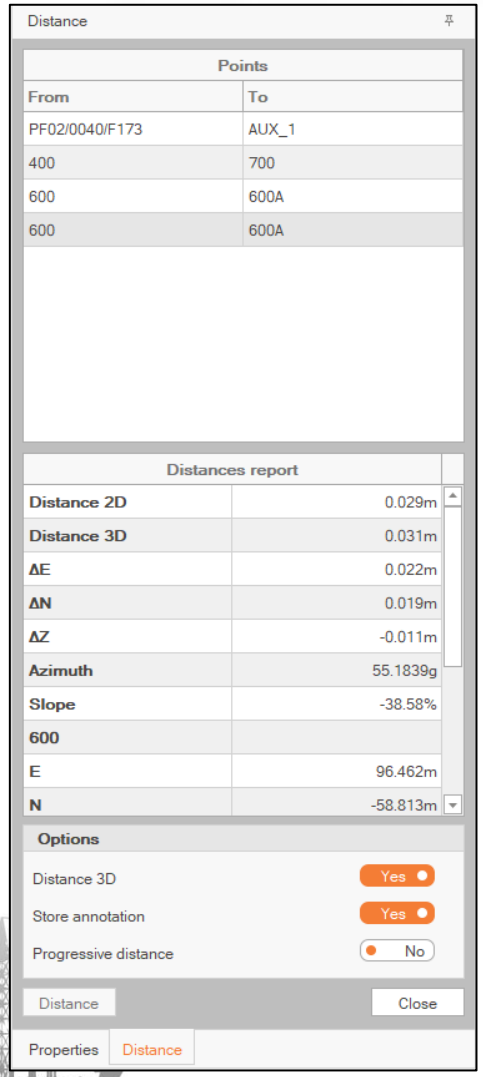


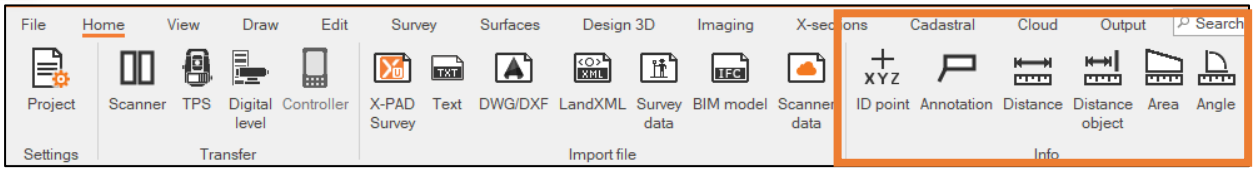
  - Create, Rename and Duplicate a subproject

  - Import a subproject from a different project

  - Import defined entities (topographic points, measures, surfaces, drawing, etc..) from another project or from current project

Info functions





- *INFO functions* are used to quickly get information from a survey
- Selecting *Store annotation*, the measure is also saved graphically