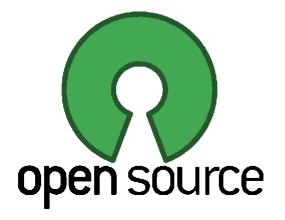


GeoEasy^{os} 3.0



The development of the GeoEasy program started in 1997. Twenty years later in 2017 it has became free software under GPL license, freely available for everybody. The ComEasy module of the project was released under open source license from the beginnings (see https://github.com/zsiki/ComEasy).

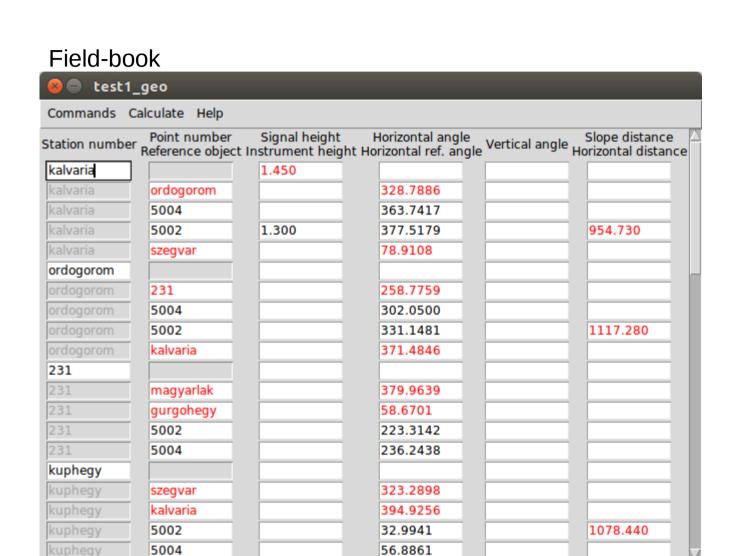
The core development of GeoEasy is made on Linux operating system, using Tcl/Tk script language, thanks to the Tcl/Tk ports to several operating system the program can be used on Linux, on Windows XP/Vista/7/8/10 (32 and 64 bit version), on Android tablets and on OSX machines. Intensive tests of the code were made on Linux and Windows only. GeoEasy has nephew project called SurveyingCalculation. It is a QGIS plug-in, some parts of GeoEasy rewritten to Python. This plug-in available from the official QGIS plug-in repository (https://plugins.qgis.org/plugins/SurveyingCalculation/)and a GitHub repo (https://github.com/zsiki/ls).

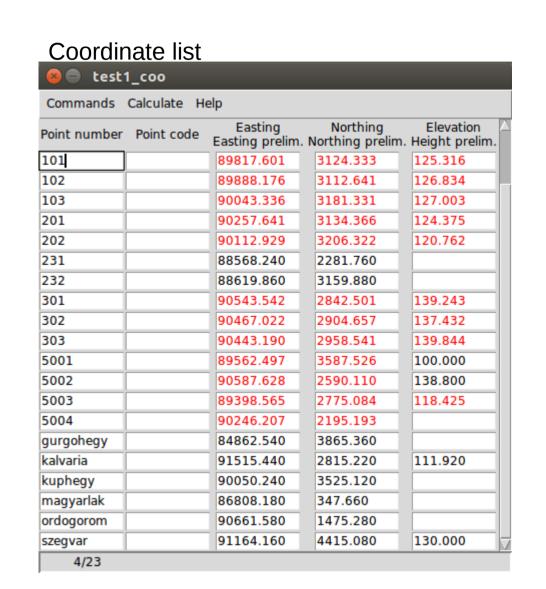
Download the binary release

Windows: http://digikom.hu/english/geo easy e.html or

http://www.agt.bme.hu/siki/Gizi3Setup.exe

http://digikom.hu/english/geo easy e.html or Linux: http://www.agt.bme.hu/siki/Gizi3Linux.tgz





Objectives

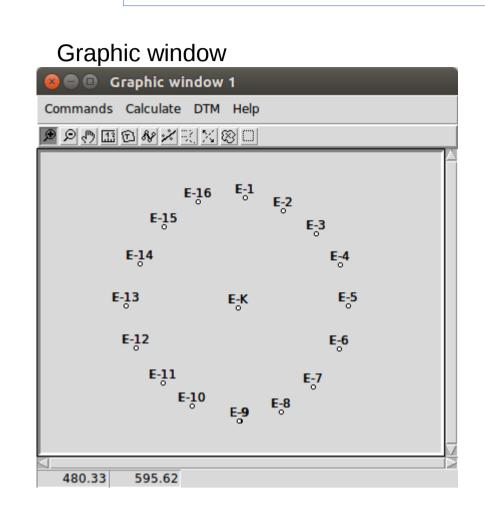
User friendly graphical user interface

Modular structure

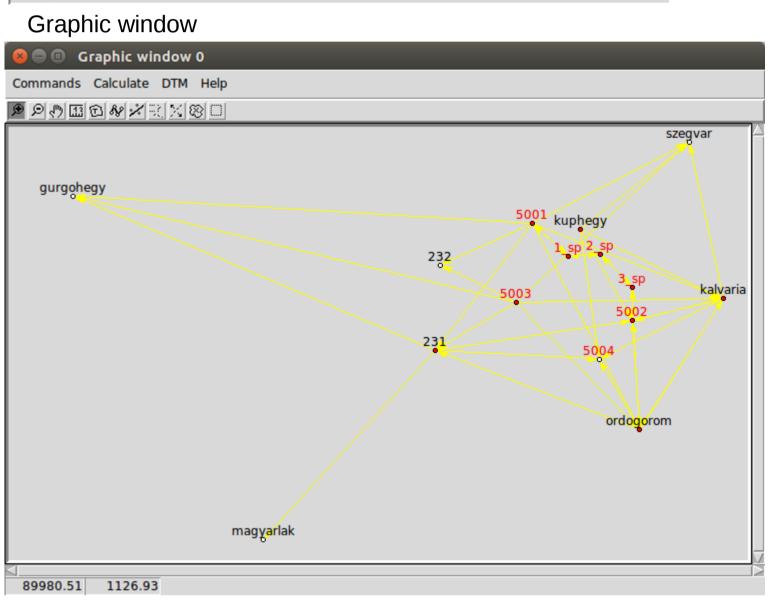
Direct process of data from total stations

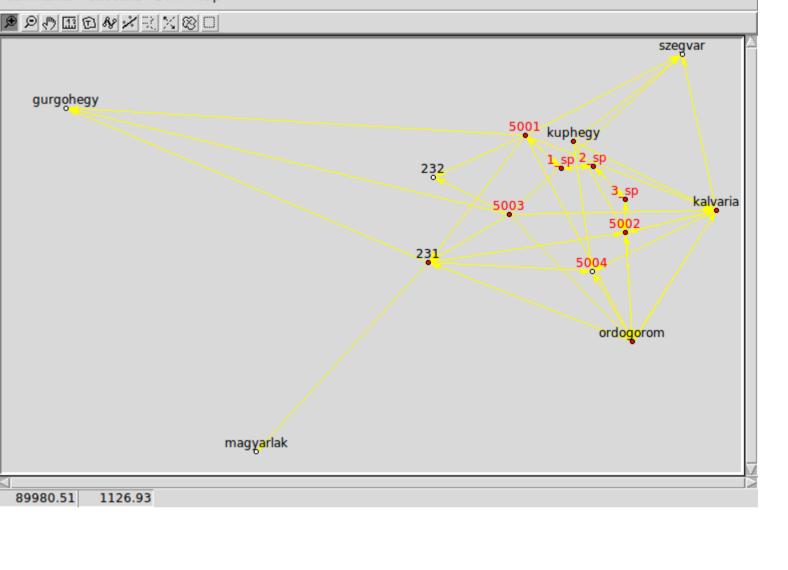
Flexibility and openness connecting to other programs

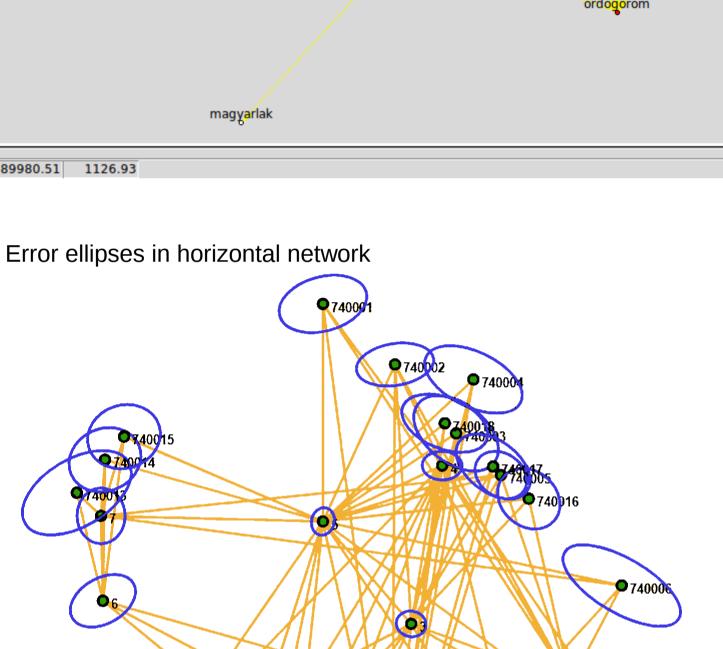
Educational and professional usage

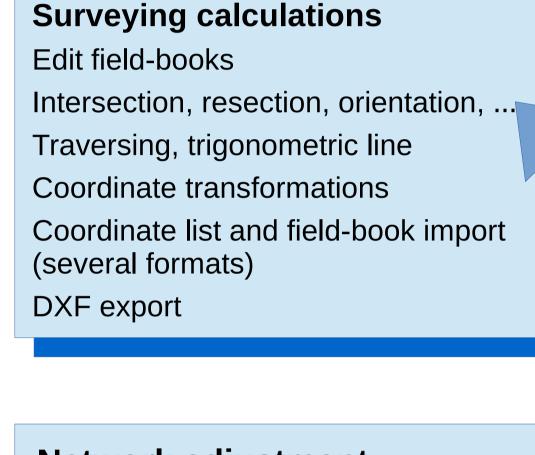


File 2017.11.01 12:10 - Circle Y0 = 477.688 X0 = 589.631 R = 29.568											
						Point num	E	N	dE	dN	dR
						E-1	479.390	619.630	-0.027	-0.478	-0.479
E-2	489.810	616.200	0.151	0.332	0.364						
E-3	498.750	610.025	0.180	0.174	0.251						
E-4	505.080	601.470	-0.250	-0.108	-0.273						
E-5	507.319	590.356	-0.071	-0.002	-0.071						
E-6	504.929	578.789	0.232	-0.092	0.249						
E-7	497.890	568.570	0.267	-0.278	0.385						
E-8	489.140	561.830	-0.190	0.461	-0.499						
E-9	478.040	559.480	-0.007	0.584	-0.584						
E-10	465.190	563.560	-0.284	-0.592	0.657						
RMS=0.417											



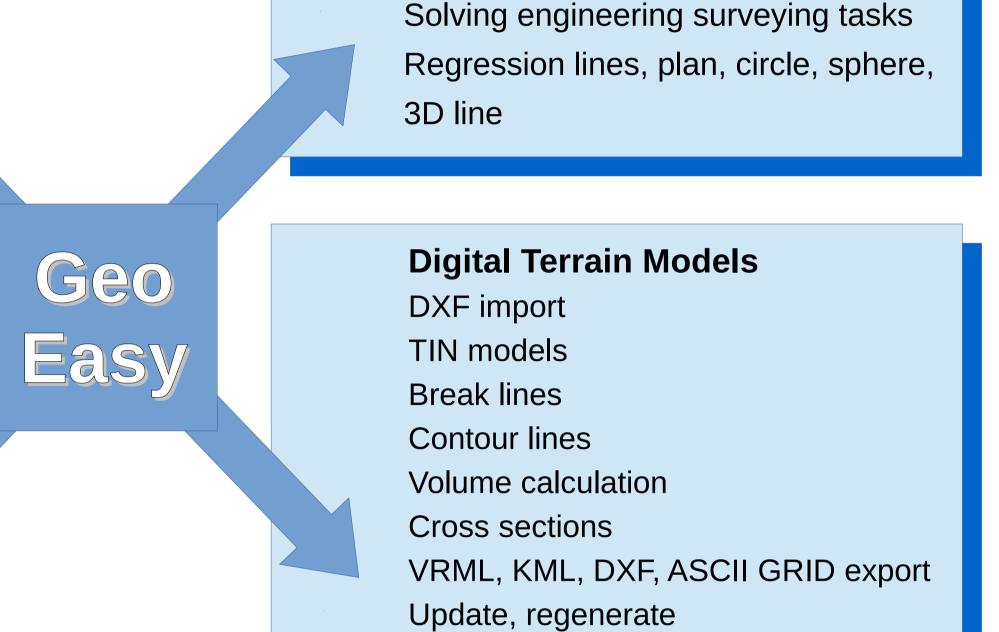




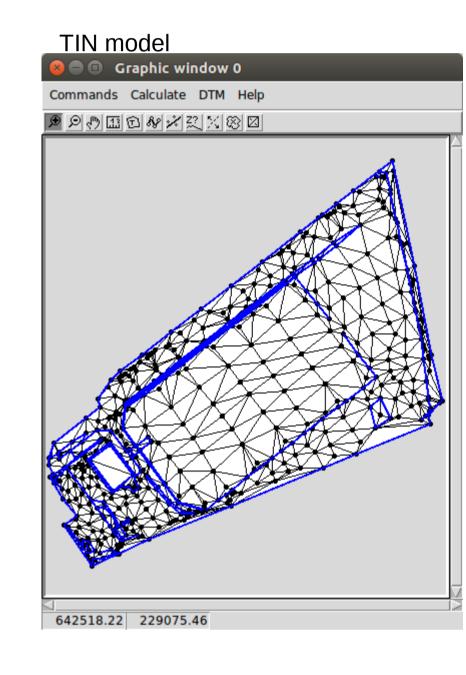


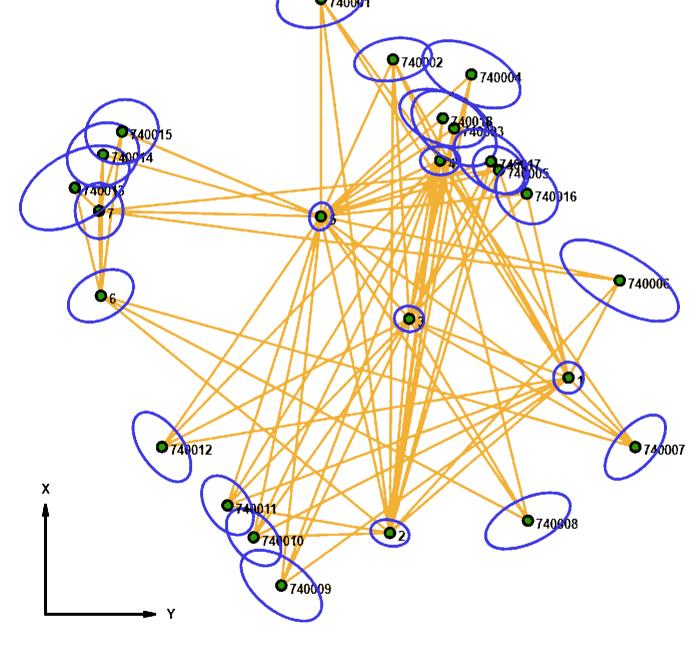
Network adjustment 1D/2D/3D geodetic network Normality check

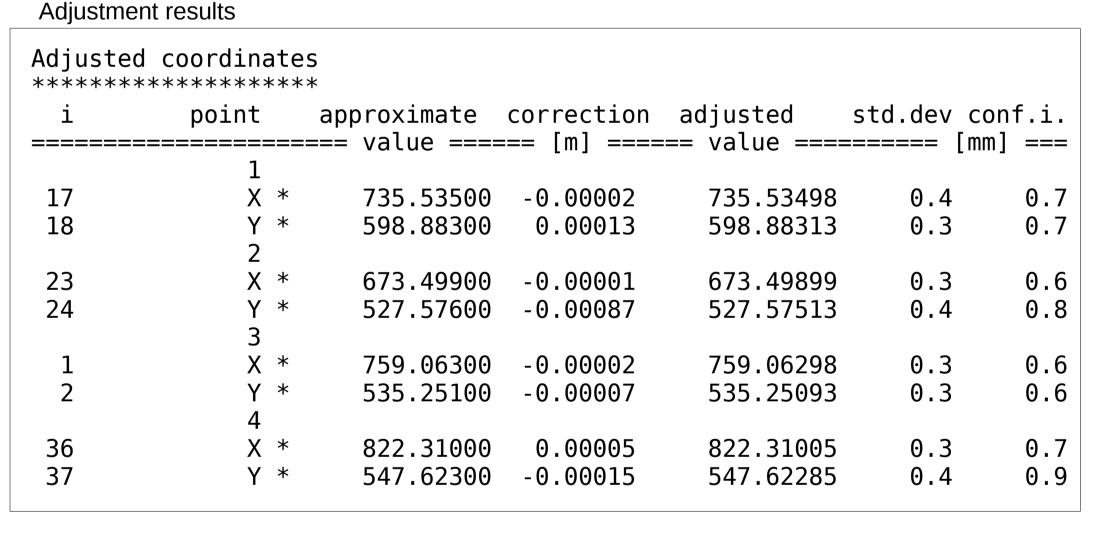
Data snooping Network sketch with error ellipses

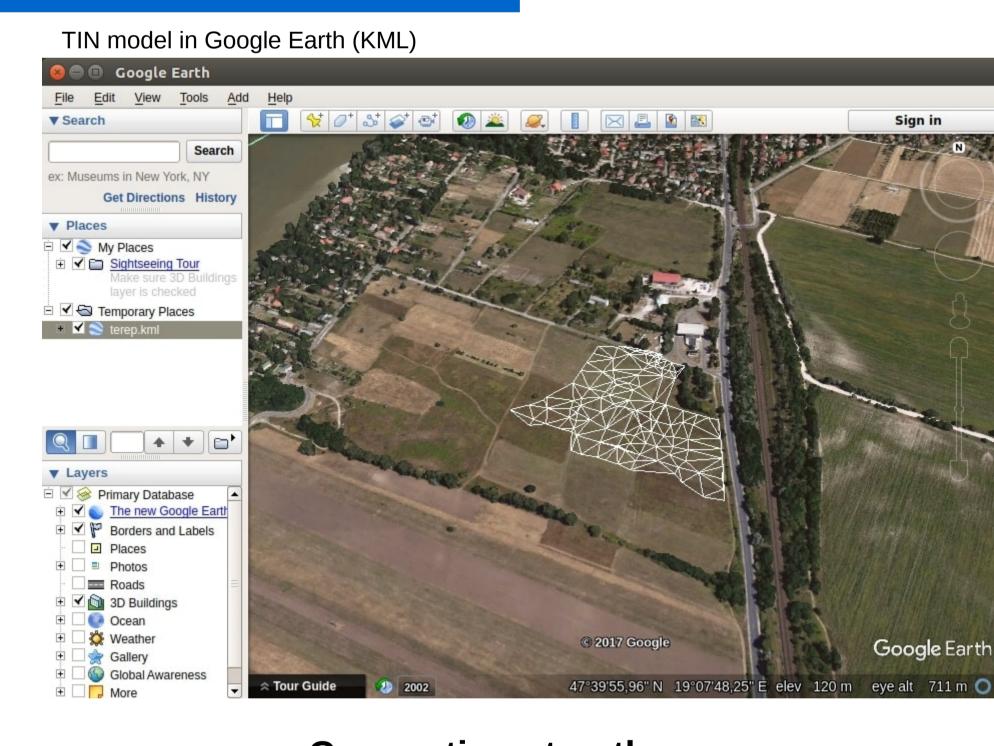


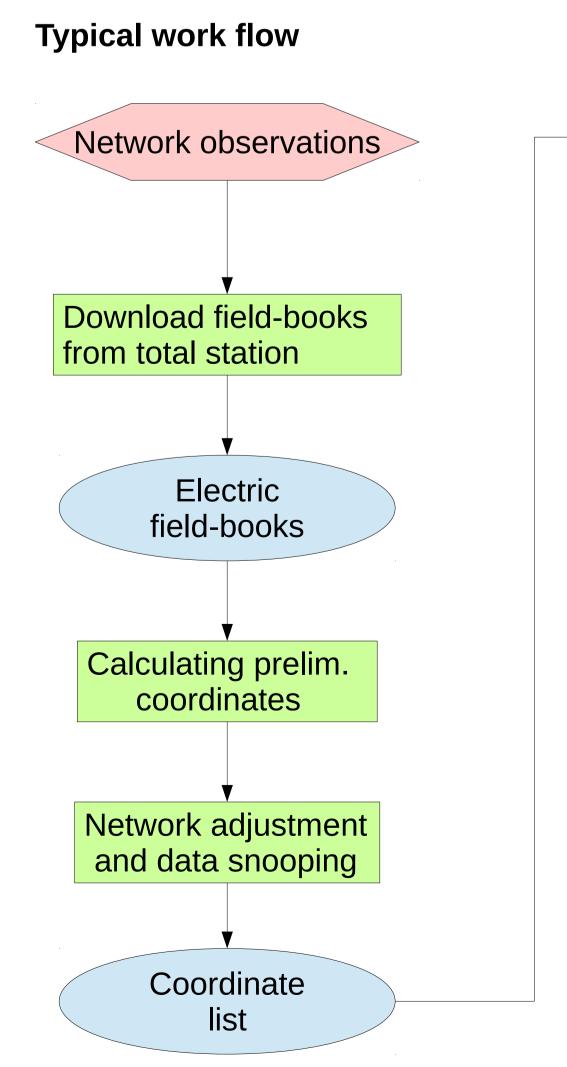
Regression calculation

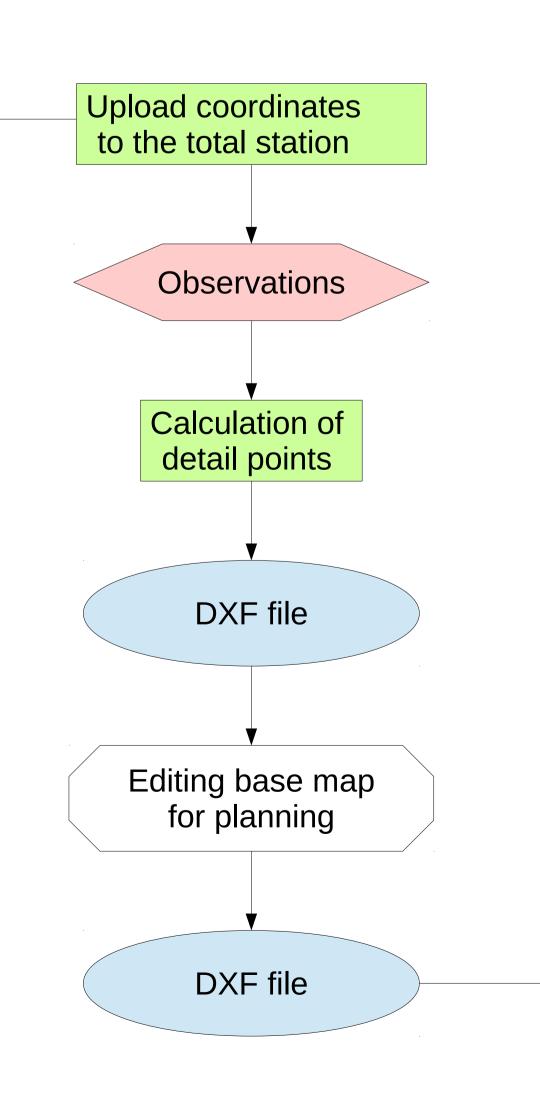


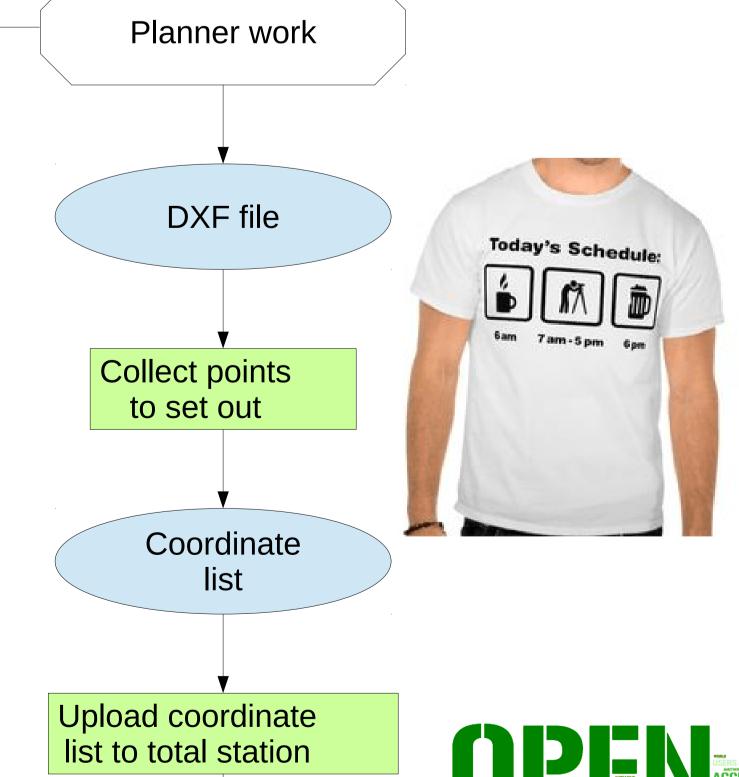




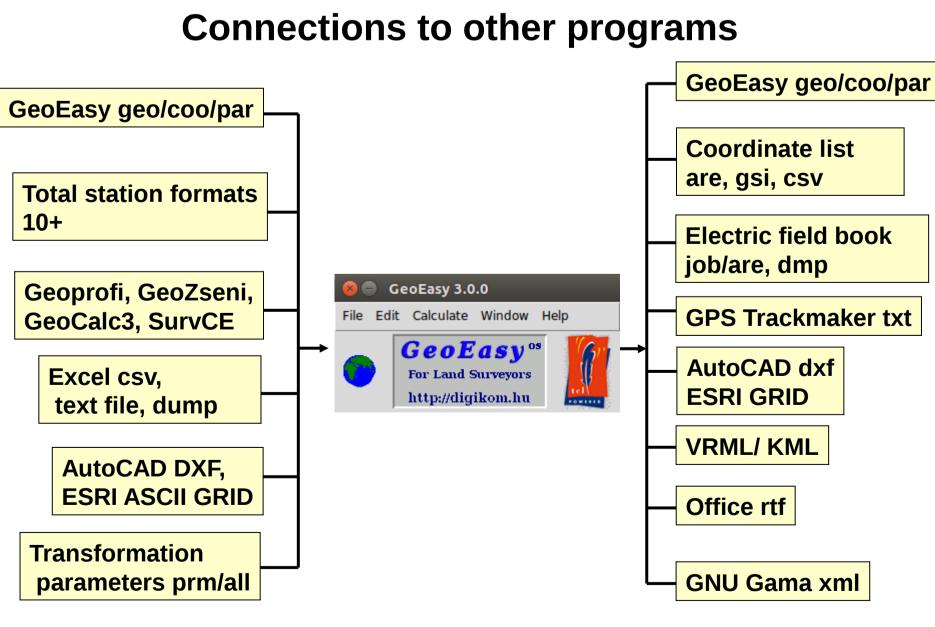








Setting out



OS software used

Tcl/Tk (https://www.tcl.tk/) GNU Gama (https://www.gnu.org/software/gama/) Triangle (https://github.com/MrPhil/Triangle) NSIS (http://nsis.sourceforge.net/Main_Page)

Freewrap (http://freewrap.sourceforge.net/)

Let us develope GeoEasy together!

Source code available on GitHub (https://github.com/zsiki/GeoEasy) Report the errors you found in issue tracker (https://github.com/zsiki/GeoEasy/issues) Extend and correct the documentation (https://github.com/zsiki/GeoEasy/doc) Help other users (https://github.com/zsiki/GeoEasy/wiki)

