

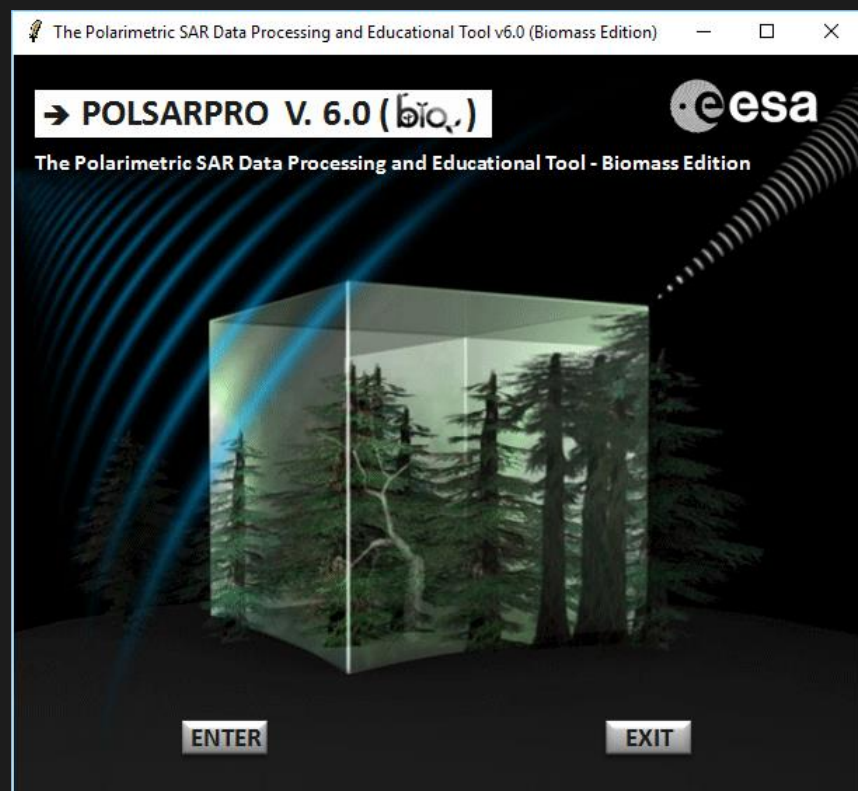
→ **POLSARPRO**



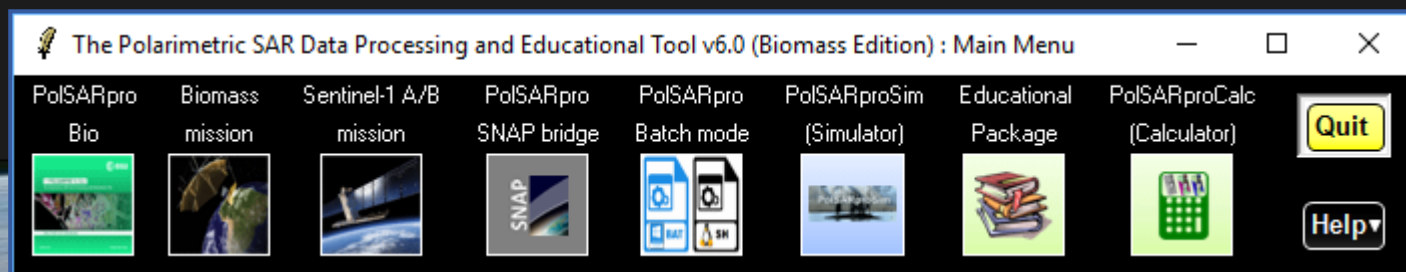
PRESENTS

***PolSARpro v6.0
(Biomass Edition)***

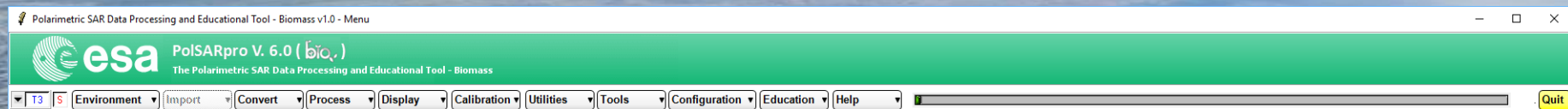
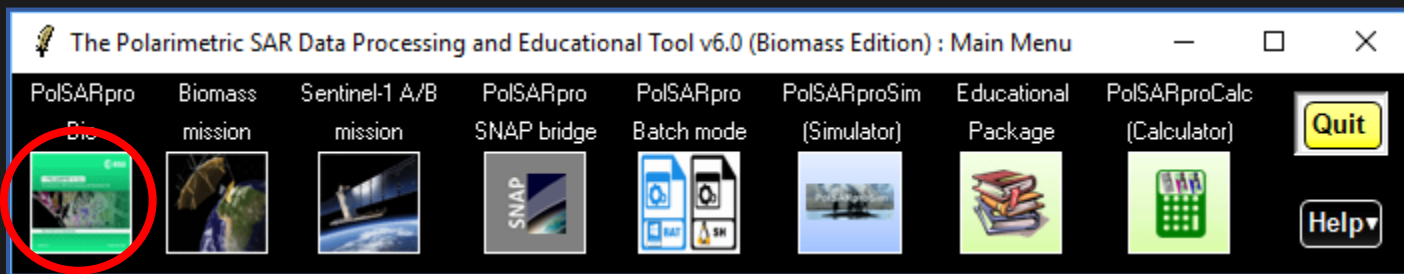
EXPLORE THE G.U.I



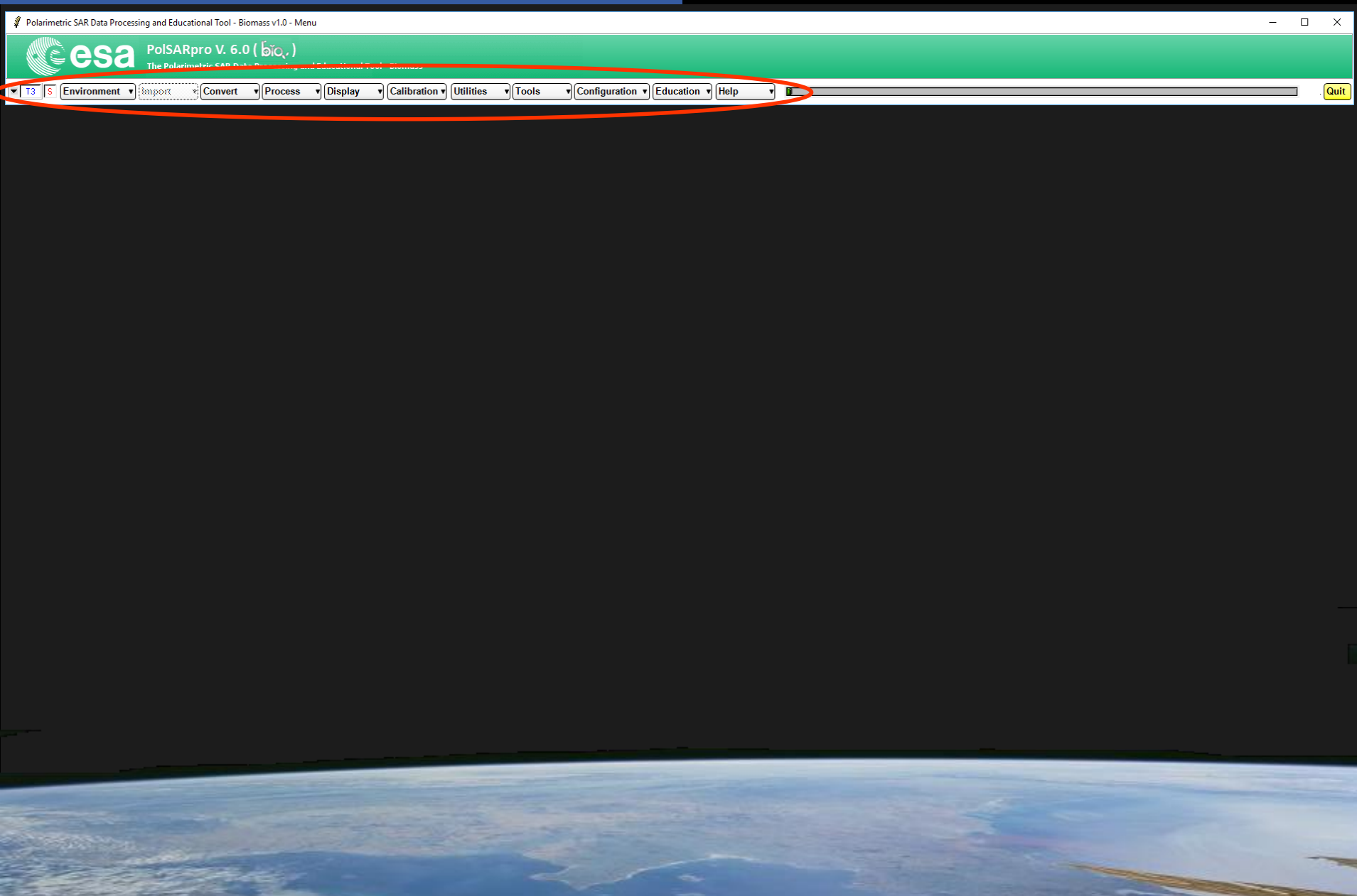
ENTRY SCREEN




MAIN WINDOW



PolSARpro v6.0 (Biomass Edition) SOFTWARE



 Polarimetric SAR Data Processing and Educational Tool - Biomass v1.0 - Menu



PolSARpro V. 6.0 (Bio,)

The Polarimetric SAR Data Processing and Educational Tool - Biomass

T3

S

Environment ▼

Import ▼

Convert ▼

Process ▼

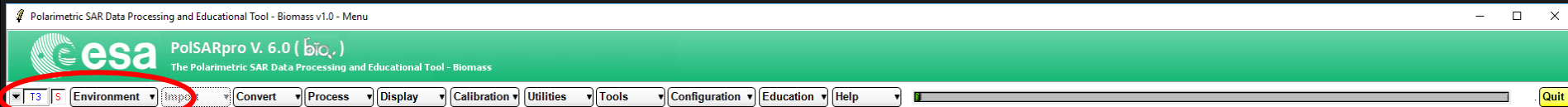
Display ▼

Calibration ▼

Utilities ▼

Tools ▼

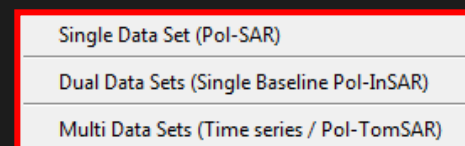
Configuration ▼

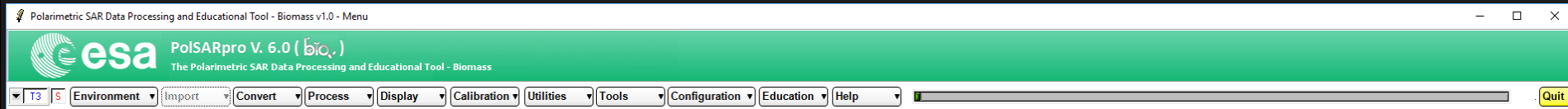


Polarimetric Data Format



DataSet Type

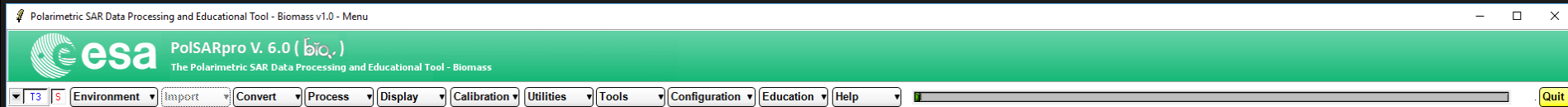




Active Data Format

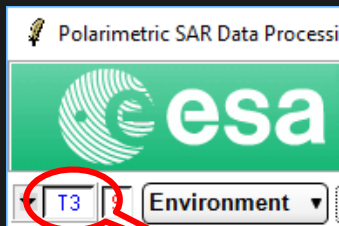
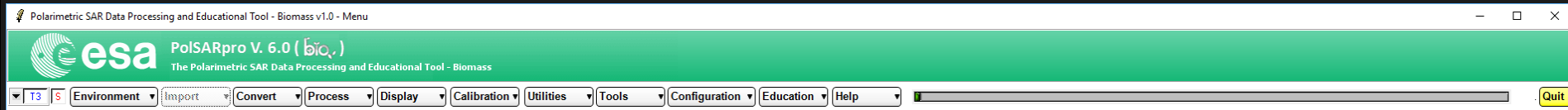
- **S** : Single polarimetric data set (**PolSAR** mode)

- [S2] : (2x2) complex Sinclair matrix
- (Sxx, Sxy) : (2x1) dual-pol complex vector
- [C2] : (2x2) dual-pol covariance [C2] matrix
- [C3] : (3x3) full-pol covariance [C3] matrix
- [C4] : (4x4) full-pol covariance [C4] matrix
- [T2] : (2x2) dual-pol coherency [T2] matrix
- [T3] : (3x3) full-pol coherency [T3] matrix
- [T4] : (4x4) full-pol coherency [T4] matrix



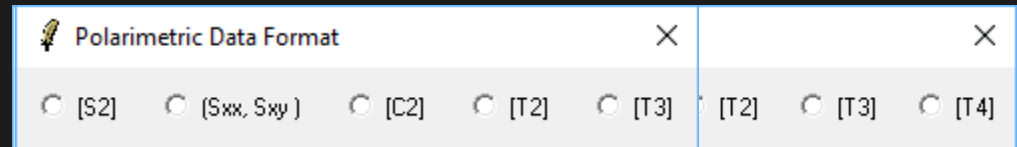
Active Data Format

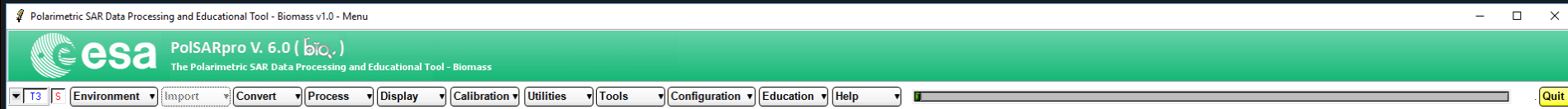
- **D** : Dual polarimetric data sets (Single Baseline – **Pol-InSAR** mode)
 - [S2] : (2x2) complex Sinclair matrix (Master / Slave)
 - (Sxx, Sxy) : (2x1) dual-pol complex vector (Master / Slave)
 - [T4] : (4x4) dual-pol coherency [T4] matrix (Master + Slave)
 - [T6] : (6x6) full-pol coherency [T6] matrix (master + Slave)



Active Data Format

- **M** : Multi polarimetric data sets (Time series – **Pol-TimeSAR** mode
Tomography – **Pol-TomoSAR** mode)
- [S2] : (2x2) complex Sinclair matrix
- (Sxx, Sxy) : (2x1) dual-pol complex vector
- [C2] : (2x2) dual-pol covariance [C2] matrix
- [T3] : (3x3) full-pol coherency [T3] matrix

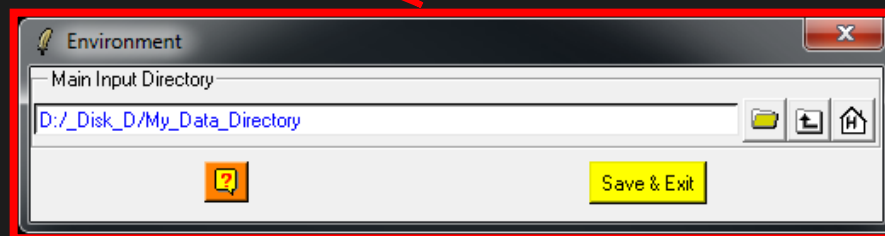
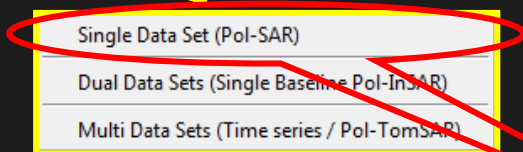
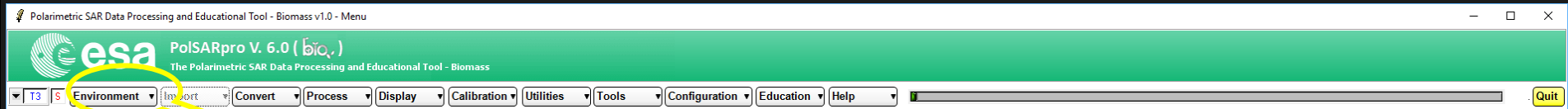


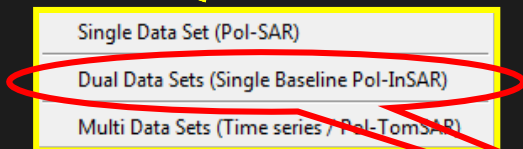
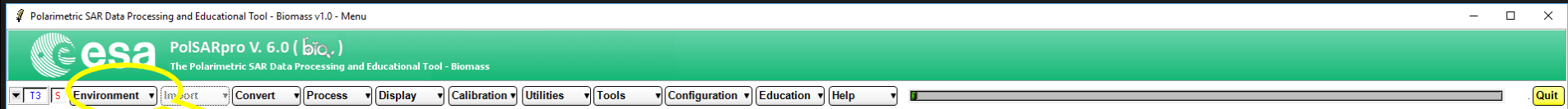


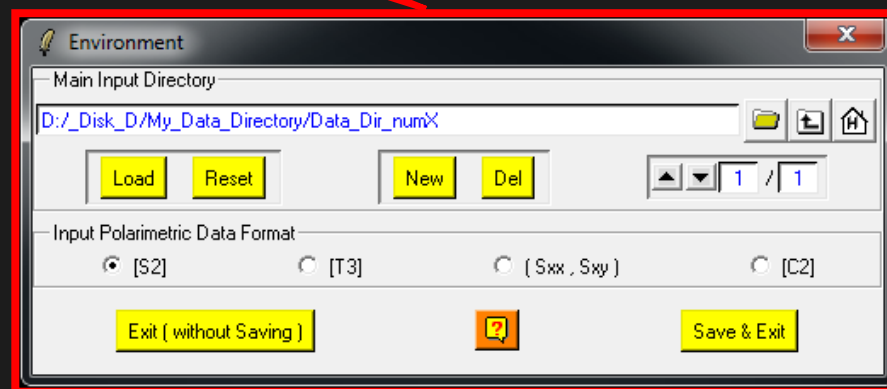
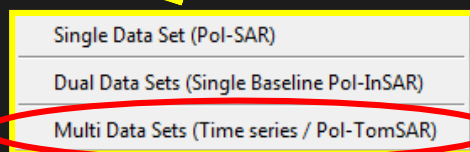
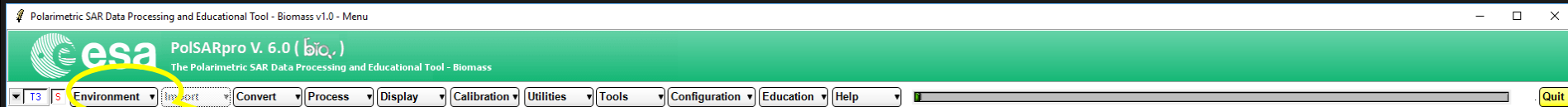
Active Program

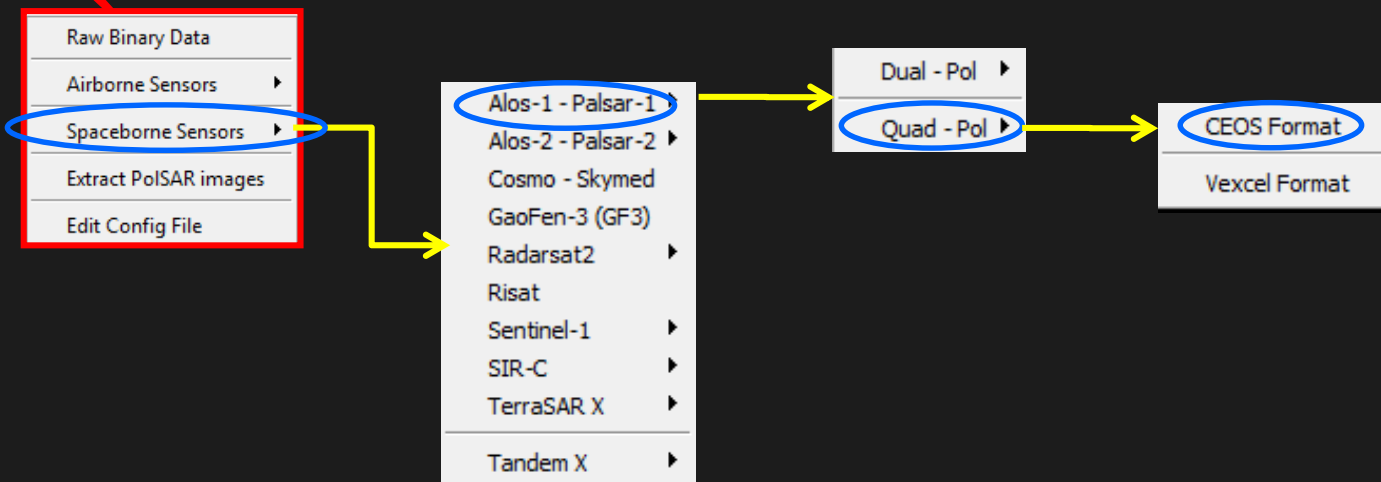
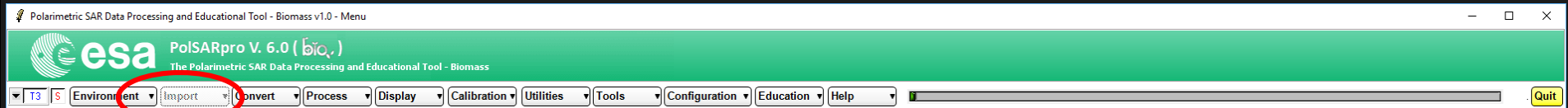
- **S** : Single polarimetric data set (**PolSAR** mode)
- **D** : Dual polarimetric data sets (Single Baseline – **Pol-InSAR** mode)
- **M** : Multi polarimetric data sets (Time series – **Pol-TimeSAR** mode
Tomography – **Pol-TomoSAR** mode)

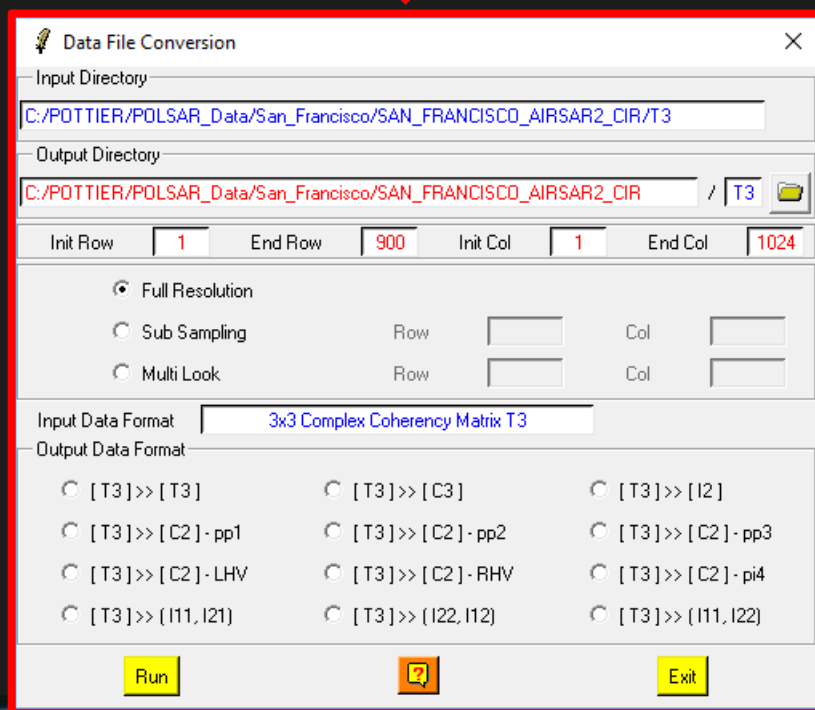
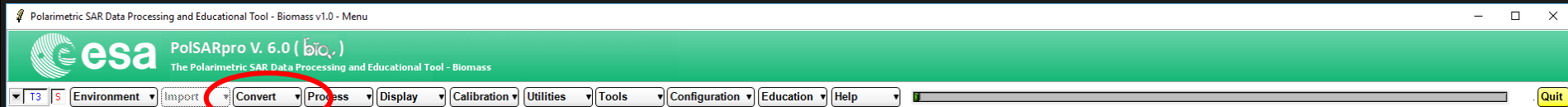


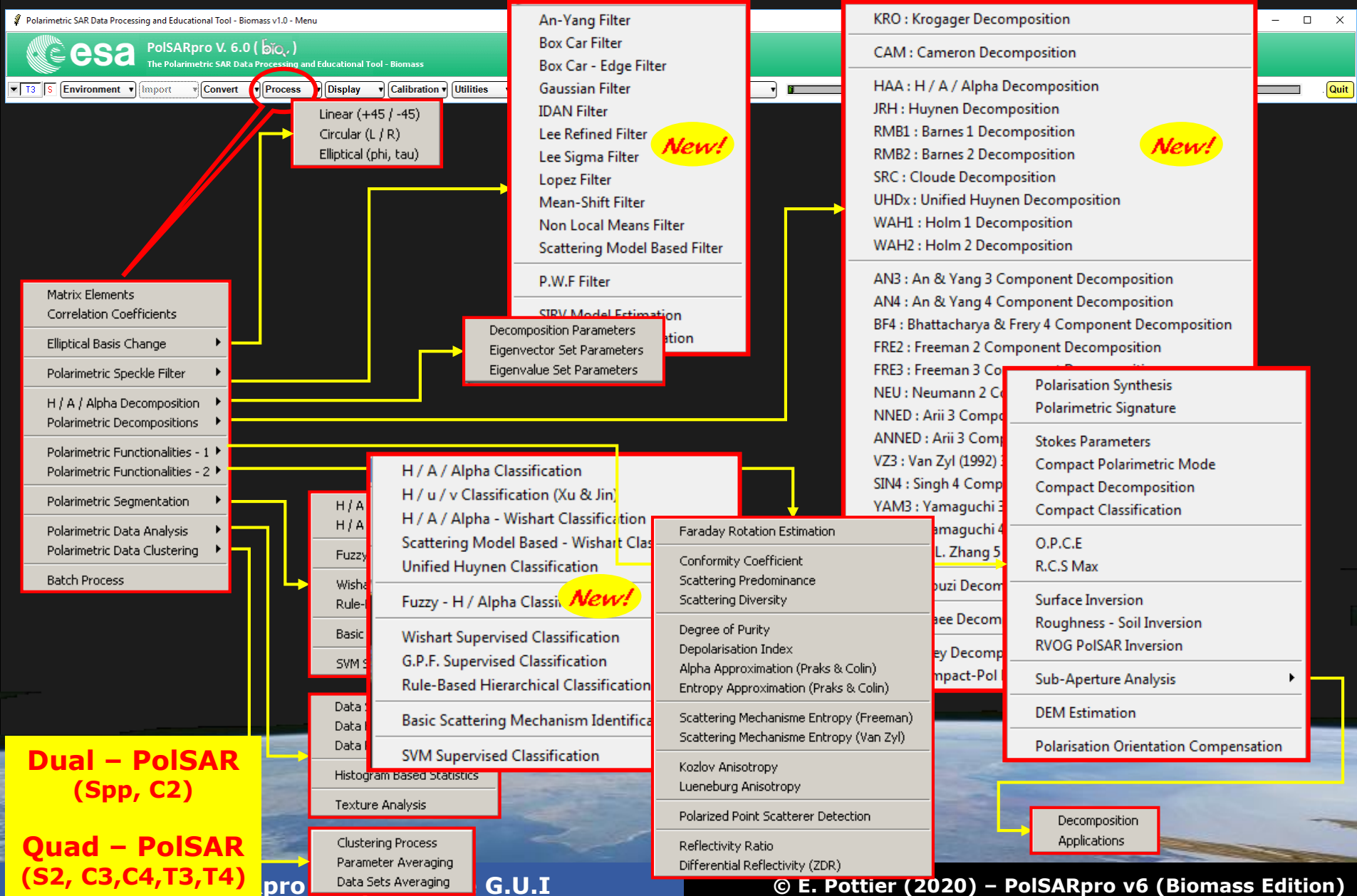


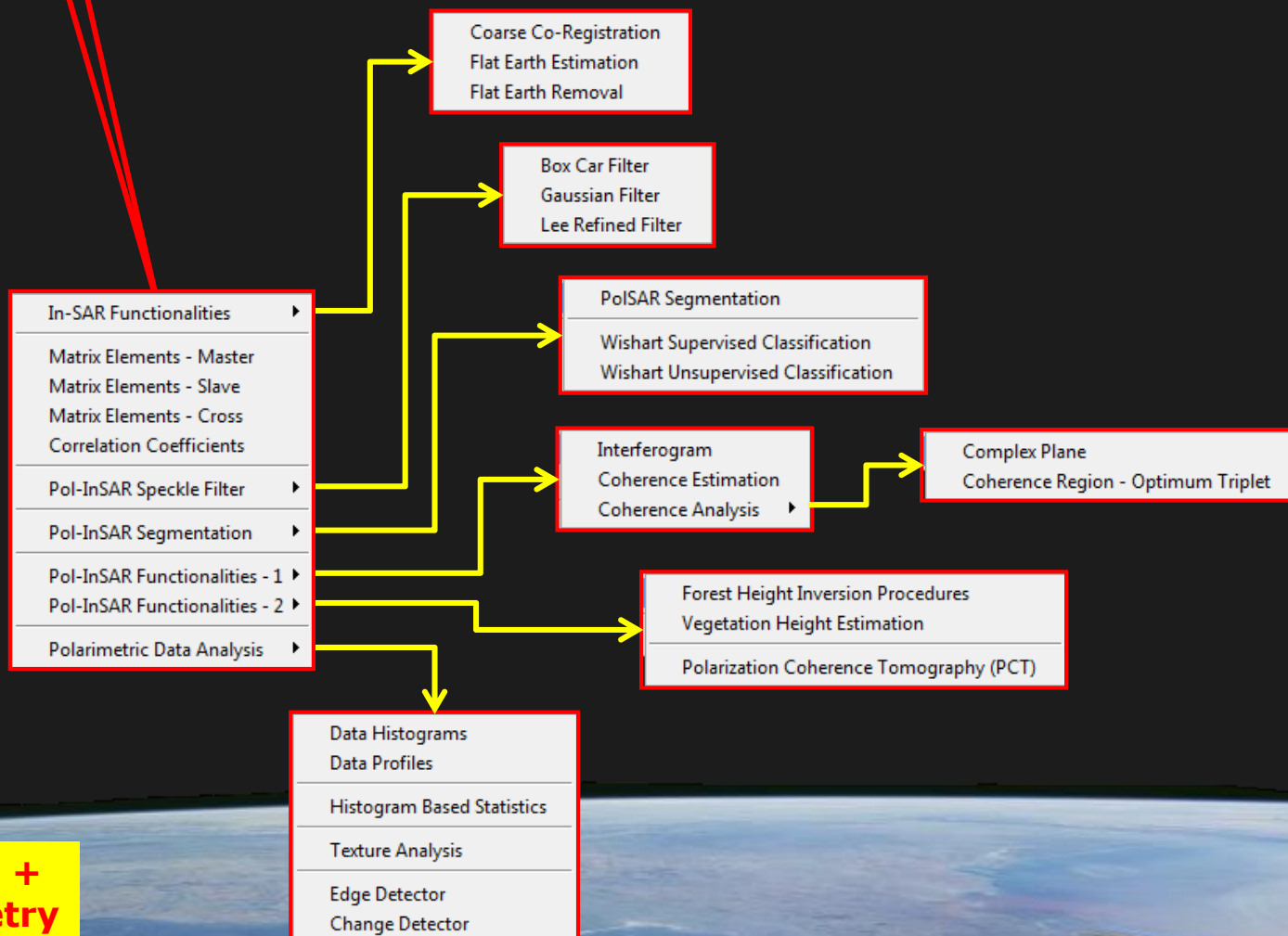






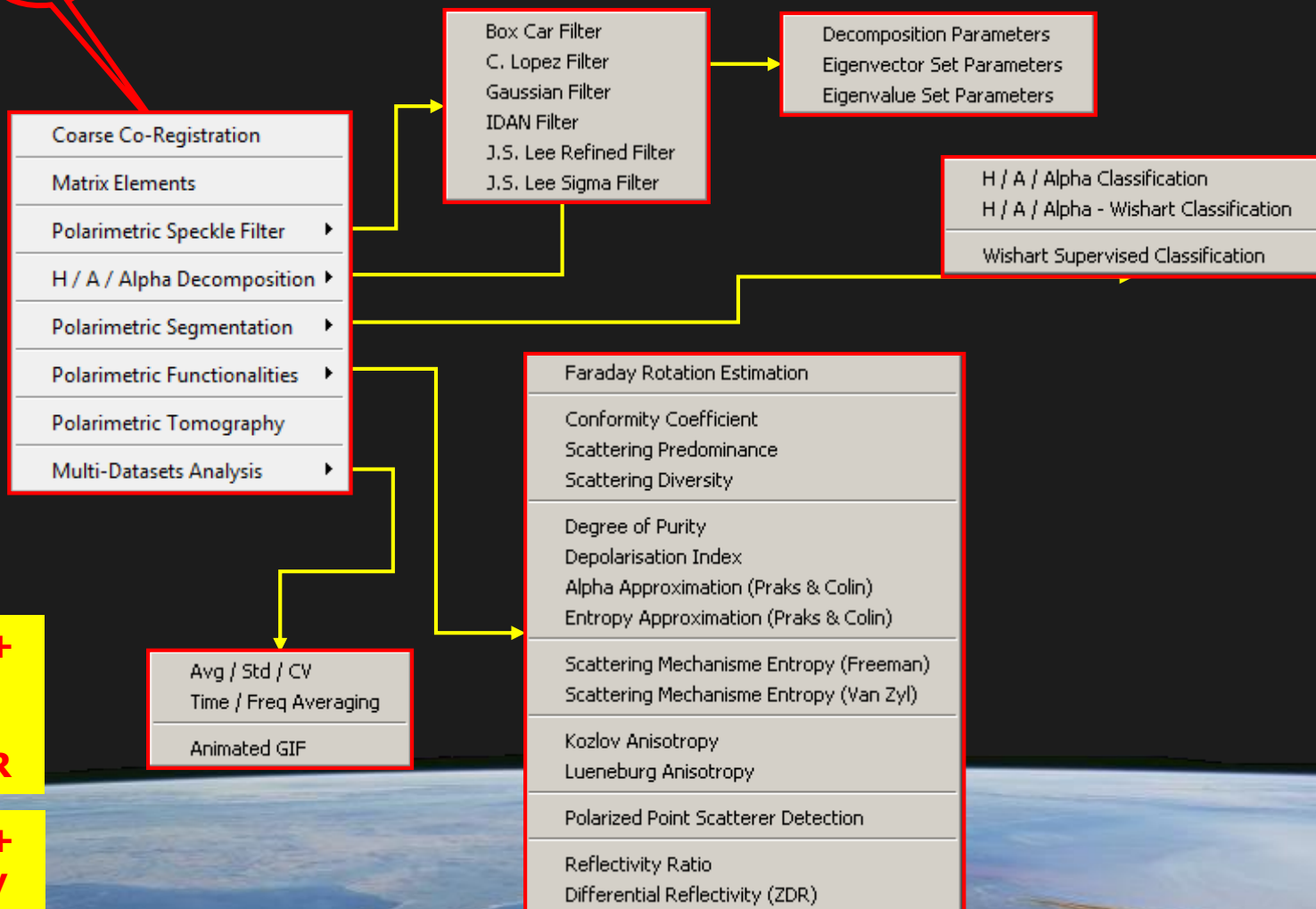






**Polarimetry +
Interferometry**

Pol-InSAR

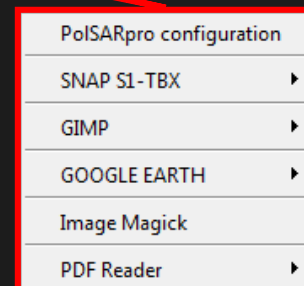
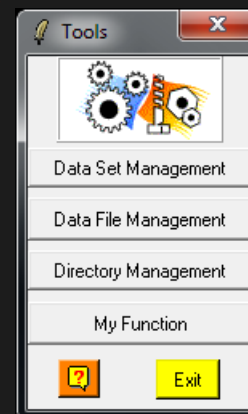
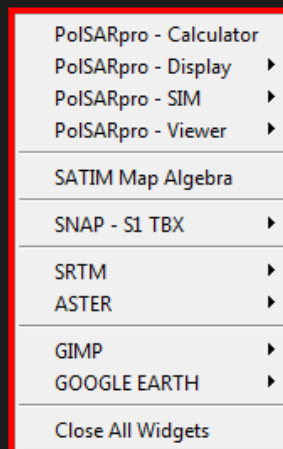
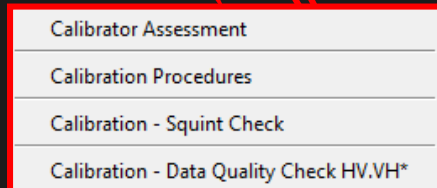
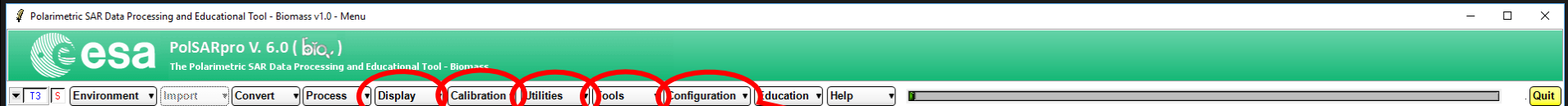


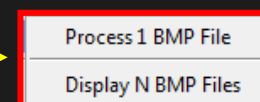
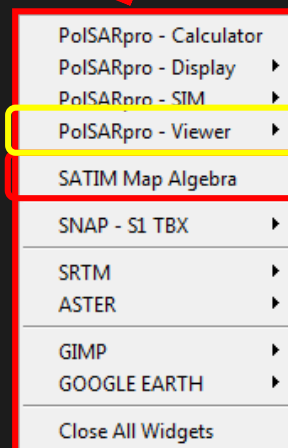
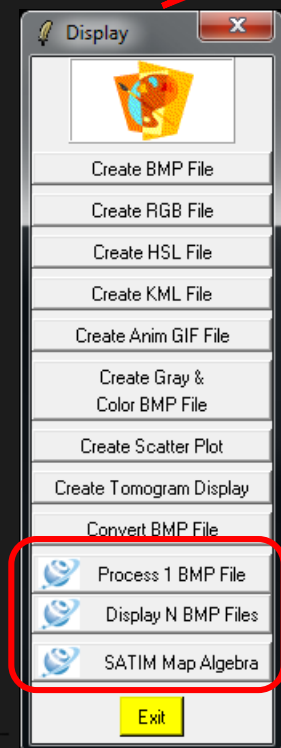
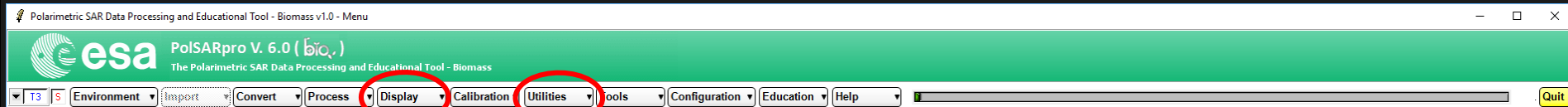
**Polarimetry +
Time series**

Pol-TimeSAR

**Polarimetry +
Tomography**

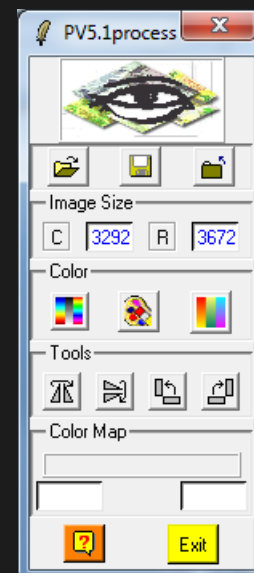
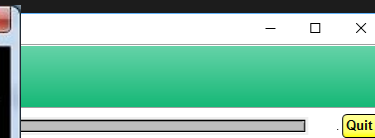
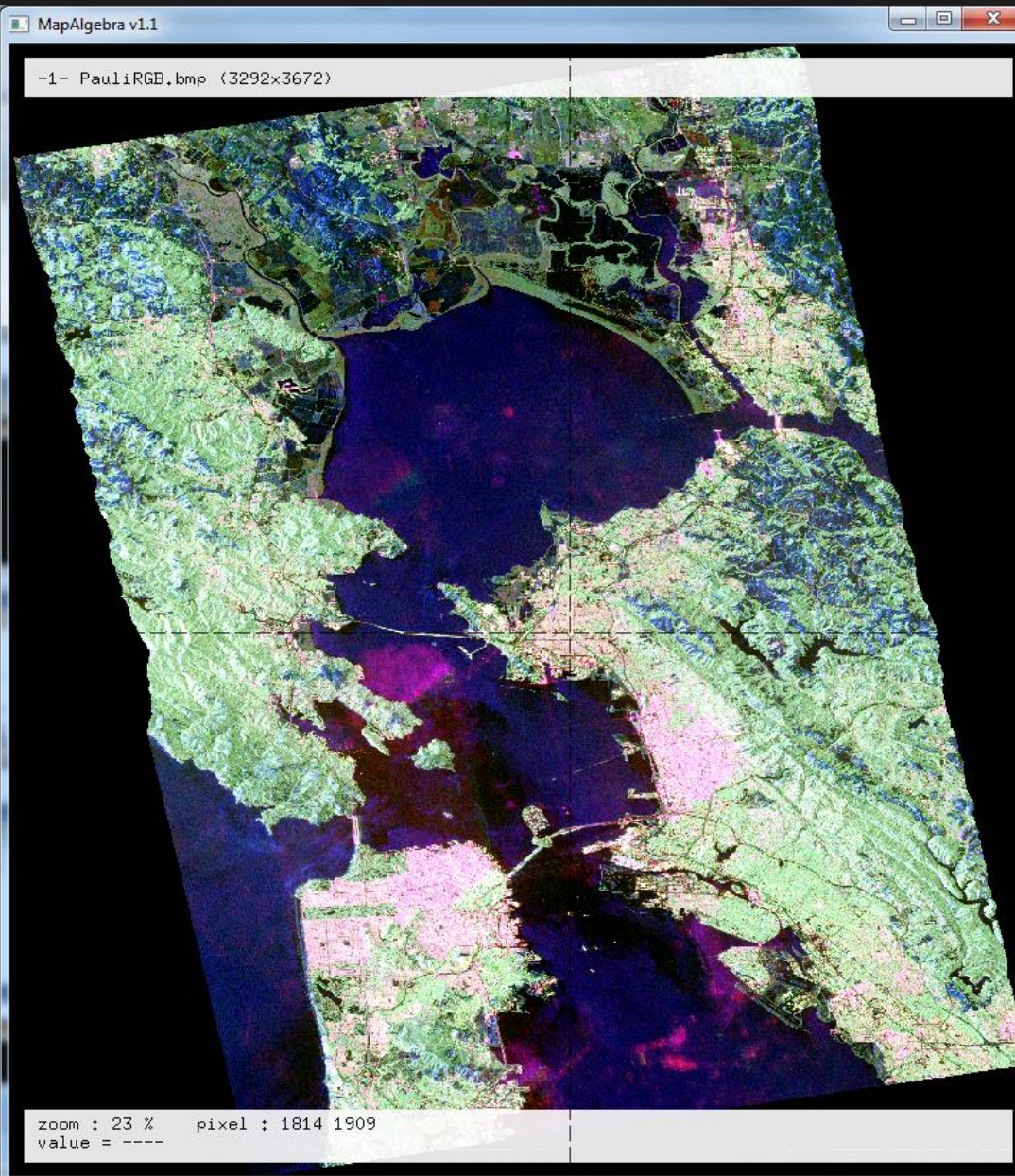
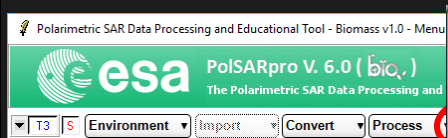
Pol-TomoSAR

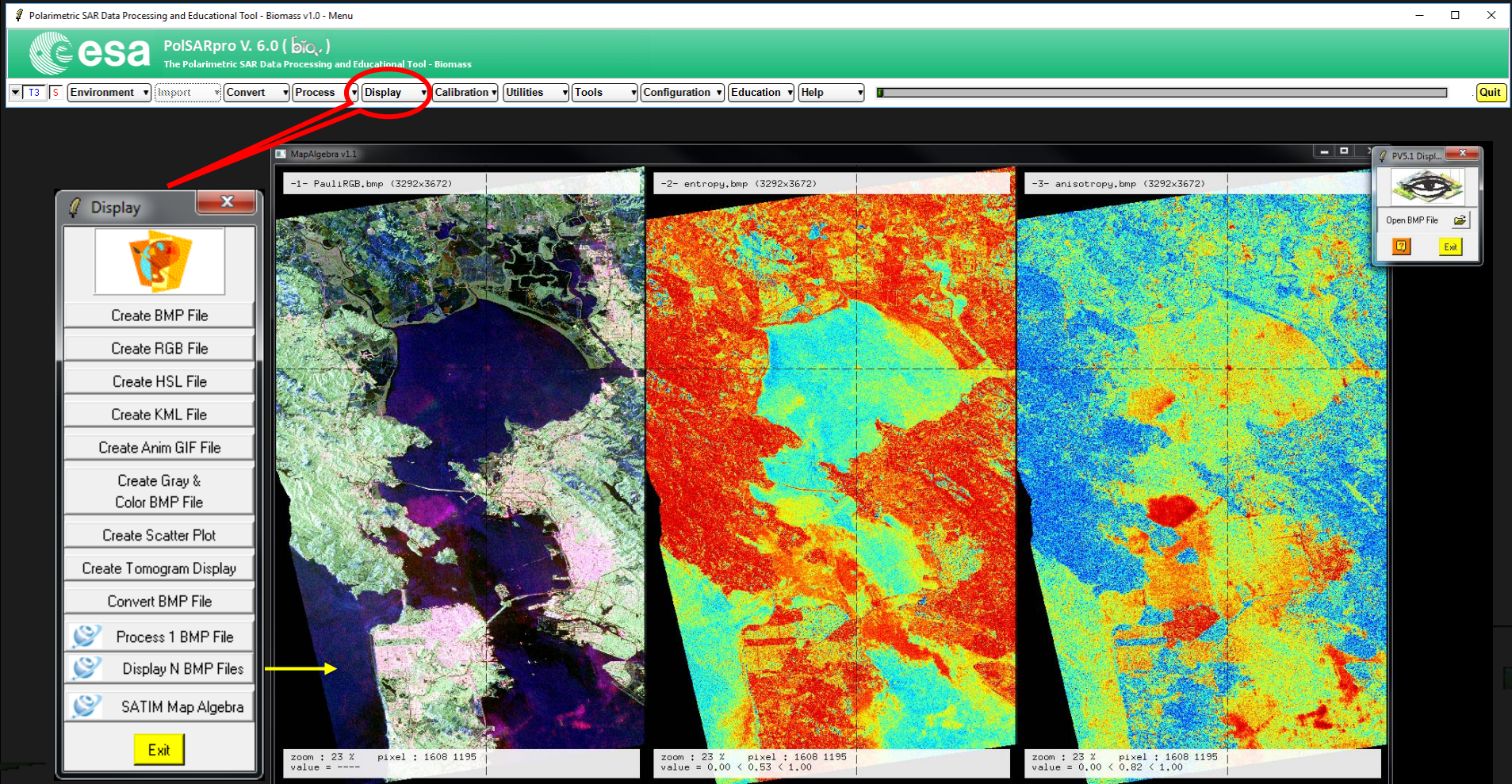




A new tool (**Map Algebra**) for visualization and simple processing of the PolSARpro results

Based on the OpenGL technology : open and process large image (20000 x 20000)

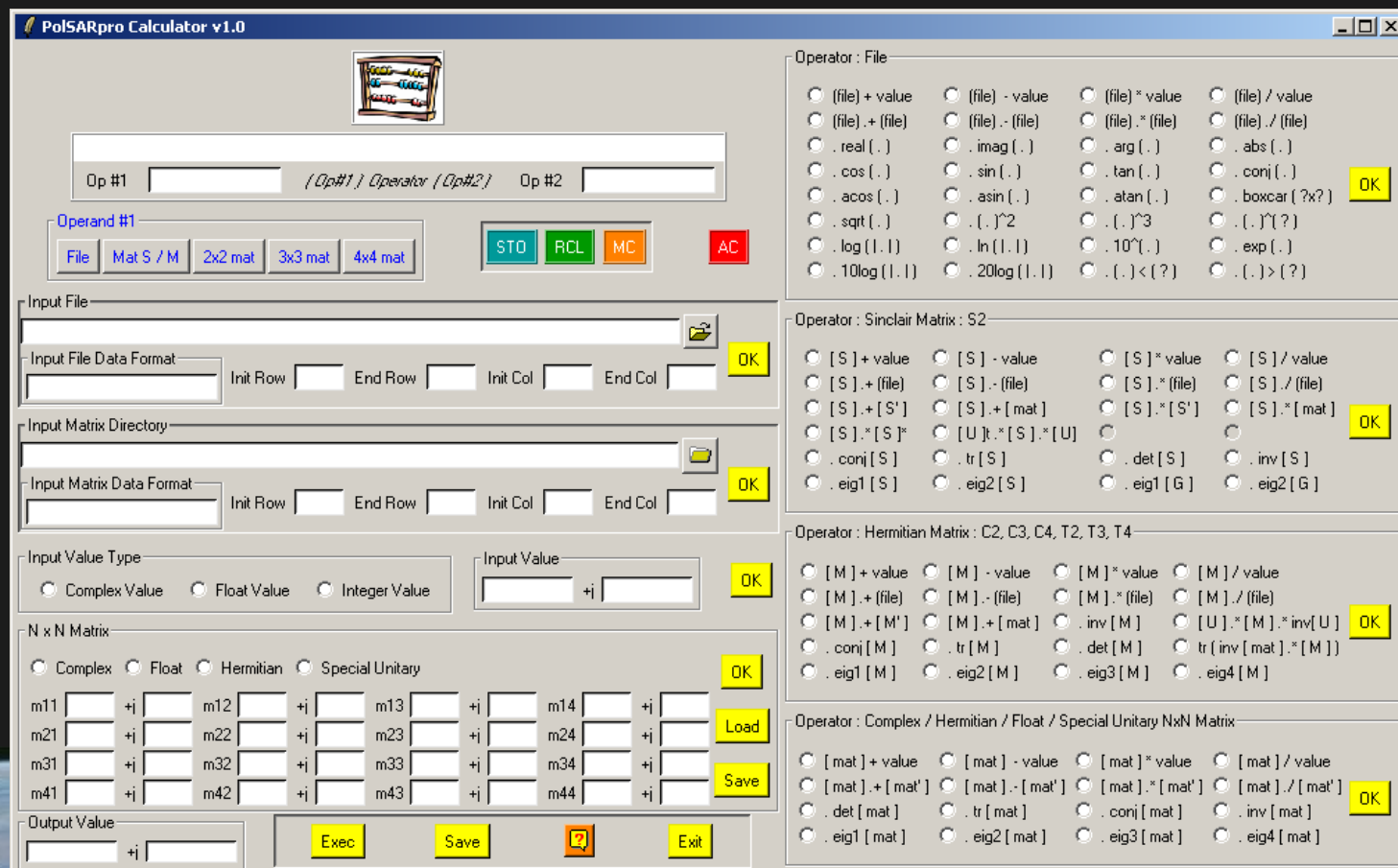


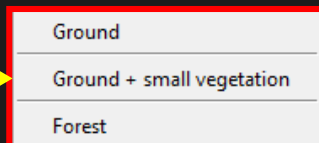
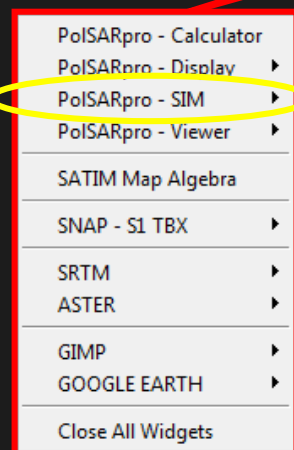


Display N BMP Images

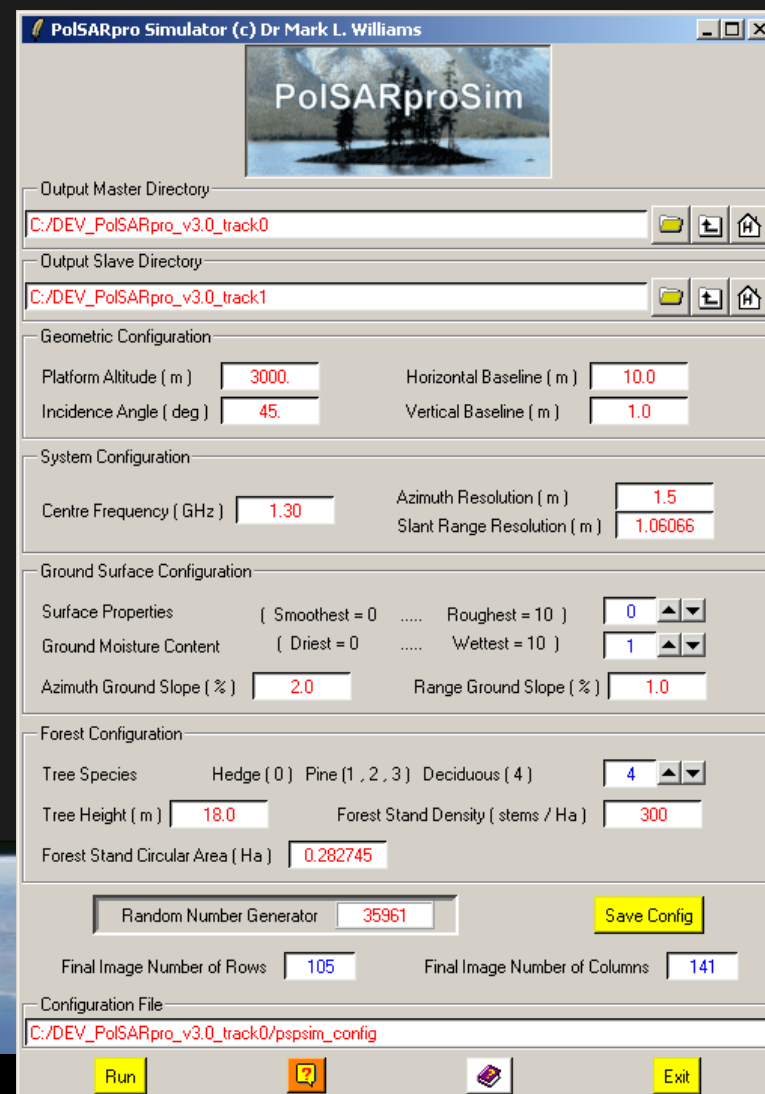


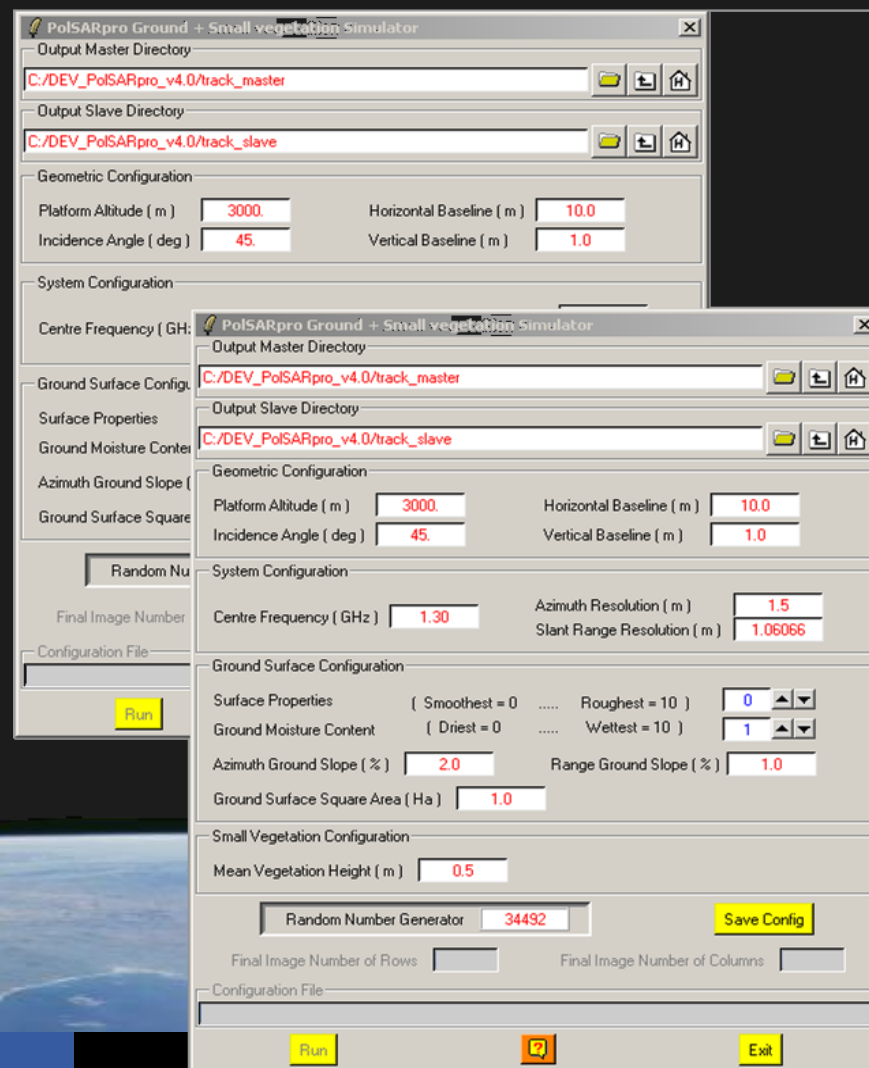
- PolSARpro - Calculator
- PolSARpro - Display ▶
- PolSARpro - SIM ▶
- PolSARpro - Viewer ▶
- SATIM Map Algebra
- SNAP - S1 TBX ▶
- SRTM ▶
- ASTER ▶
- GIMP ▶
- GOOGLE EARTH ▶
- Close All Widgets

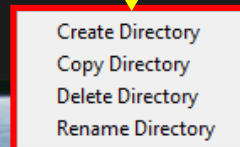
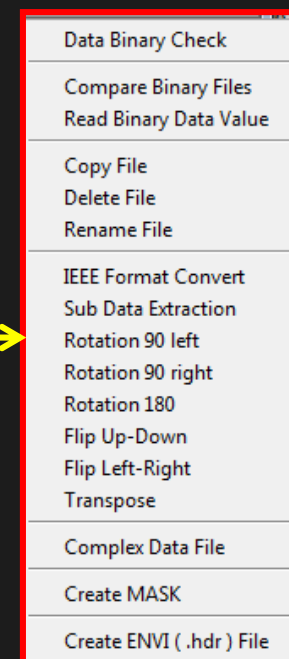
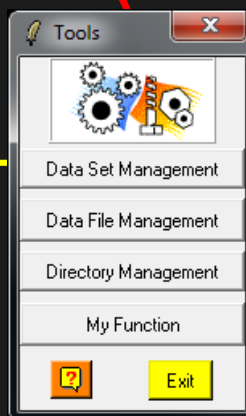
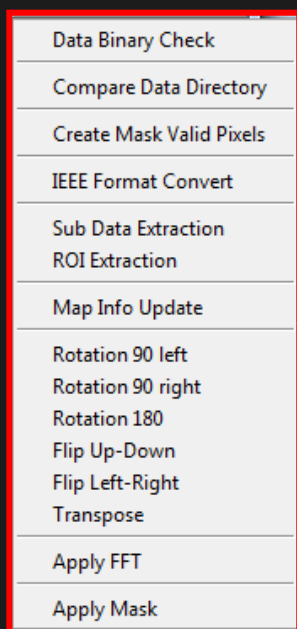


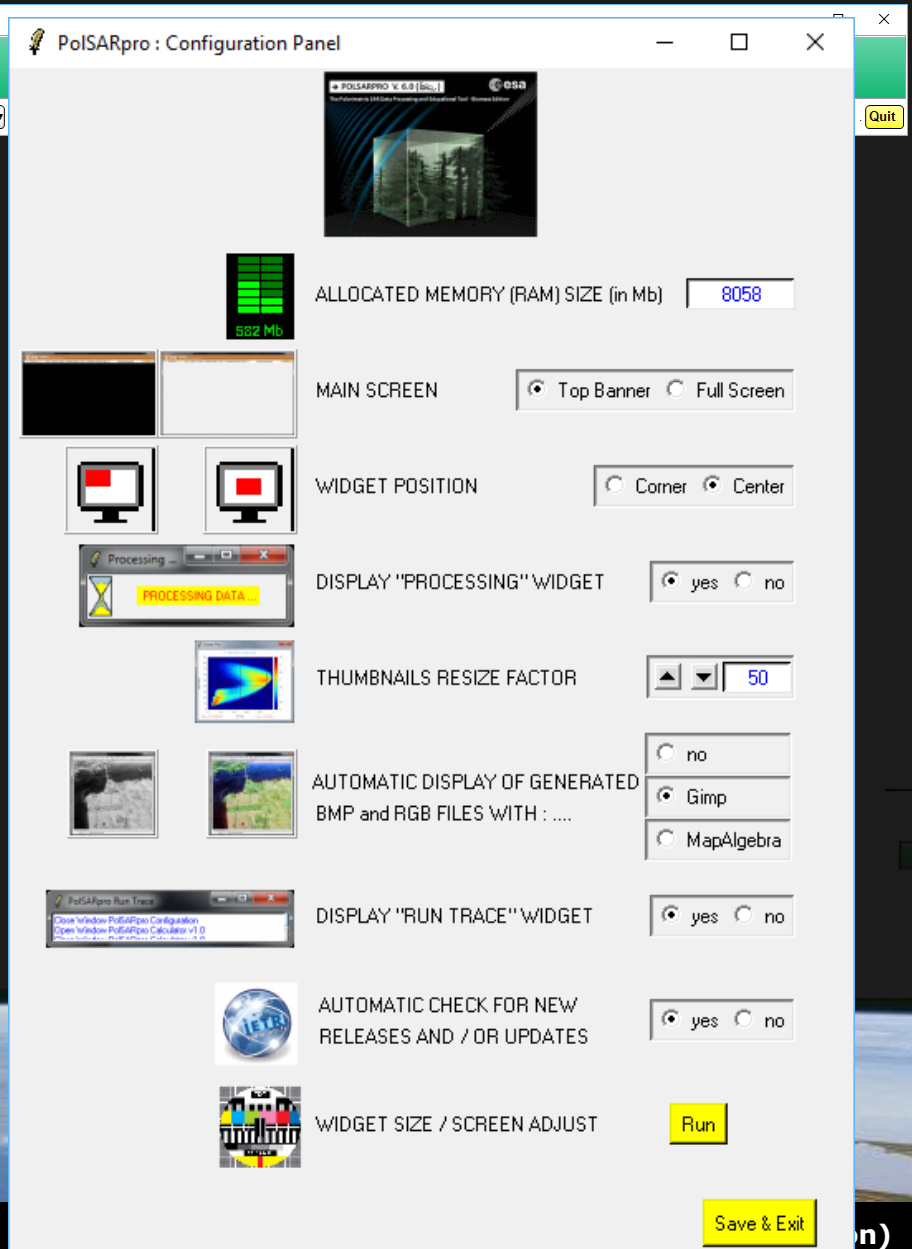
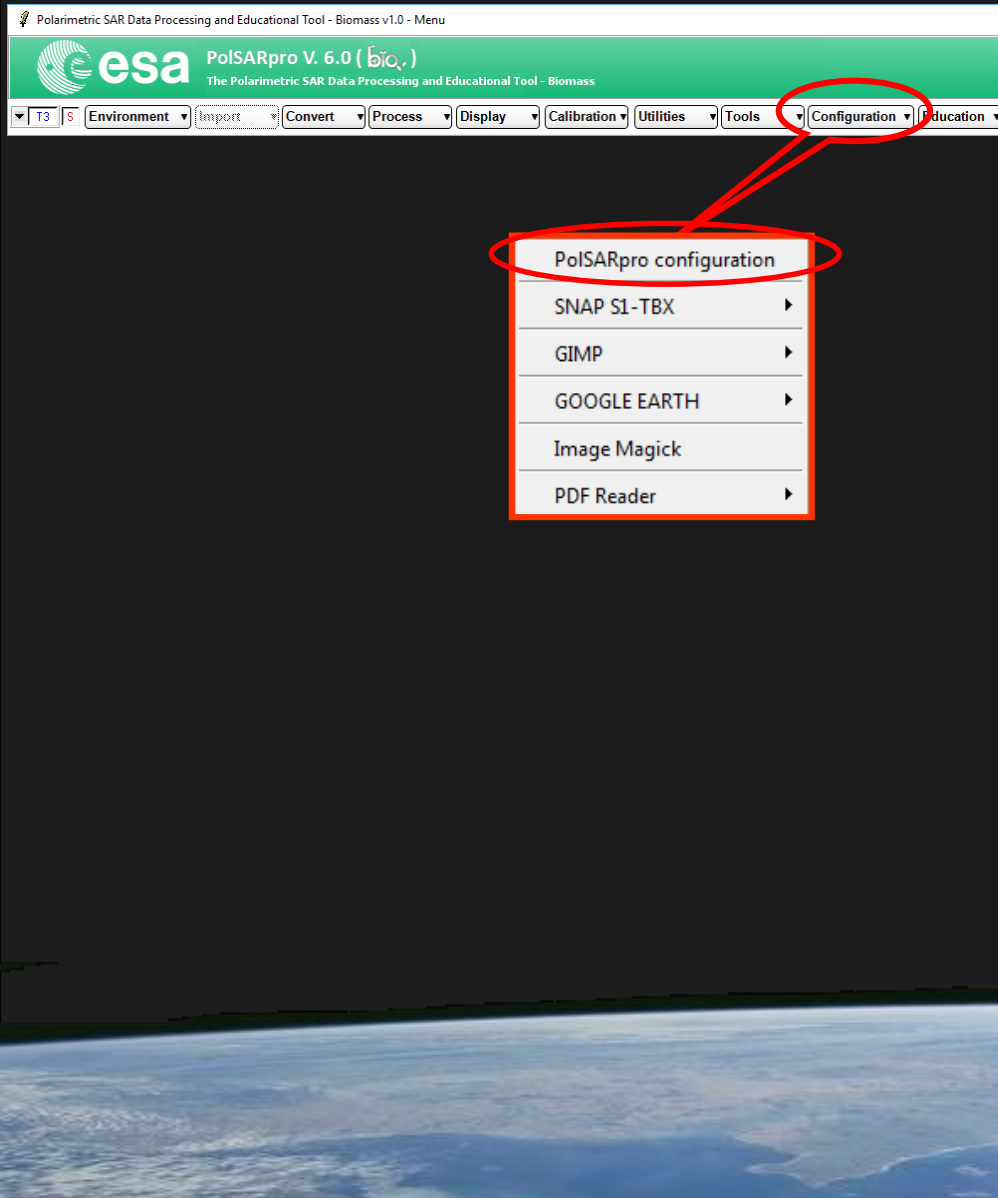


PolSARproSim is a
rapid, coherent,
fully polarimetric
and interferometric
SAR simulation of
forest.











Questions ?

