

Tutorial on SAR, InSAR, PSInSAR

SARPROZ

The **SAR** processing tool by **PeriZ**

http://ihome.cuhk.edu.hk/~b122066/index_files/download.htm

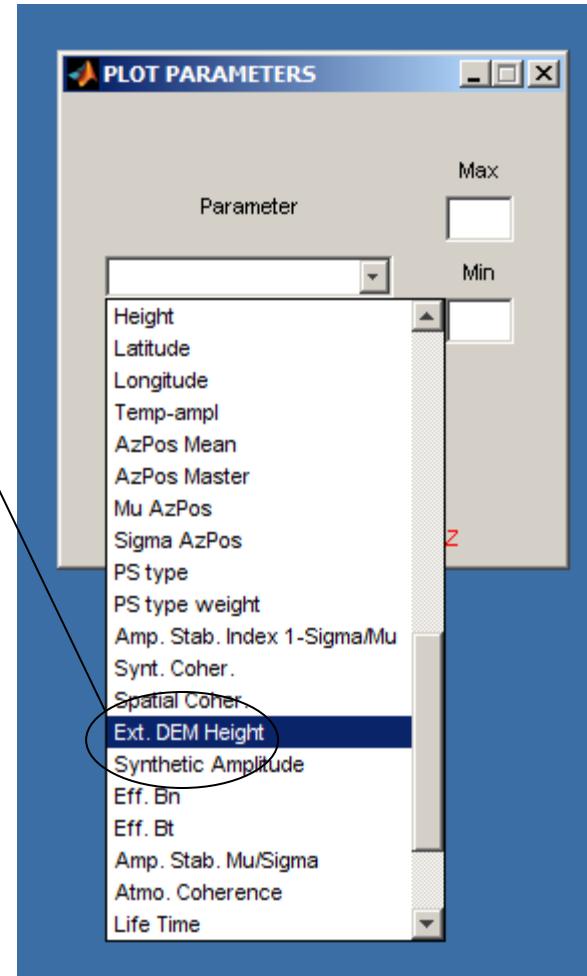
Part II

Petronas University of Technology UTP

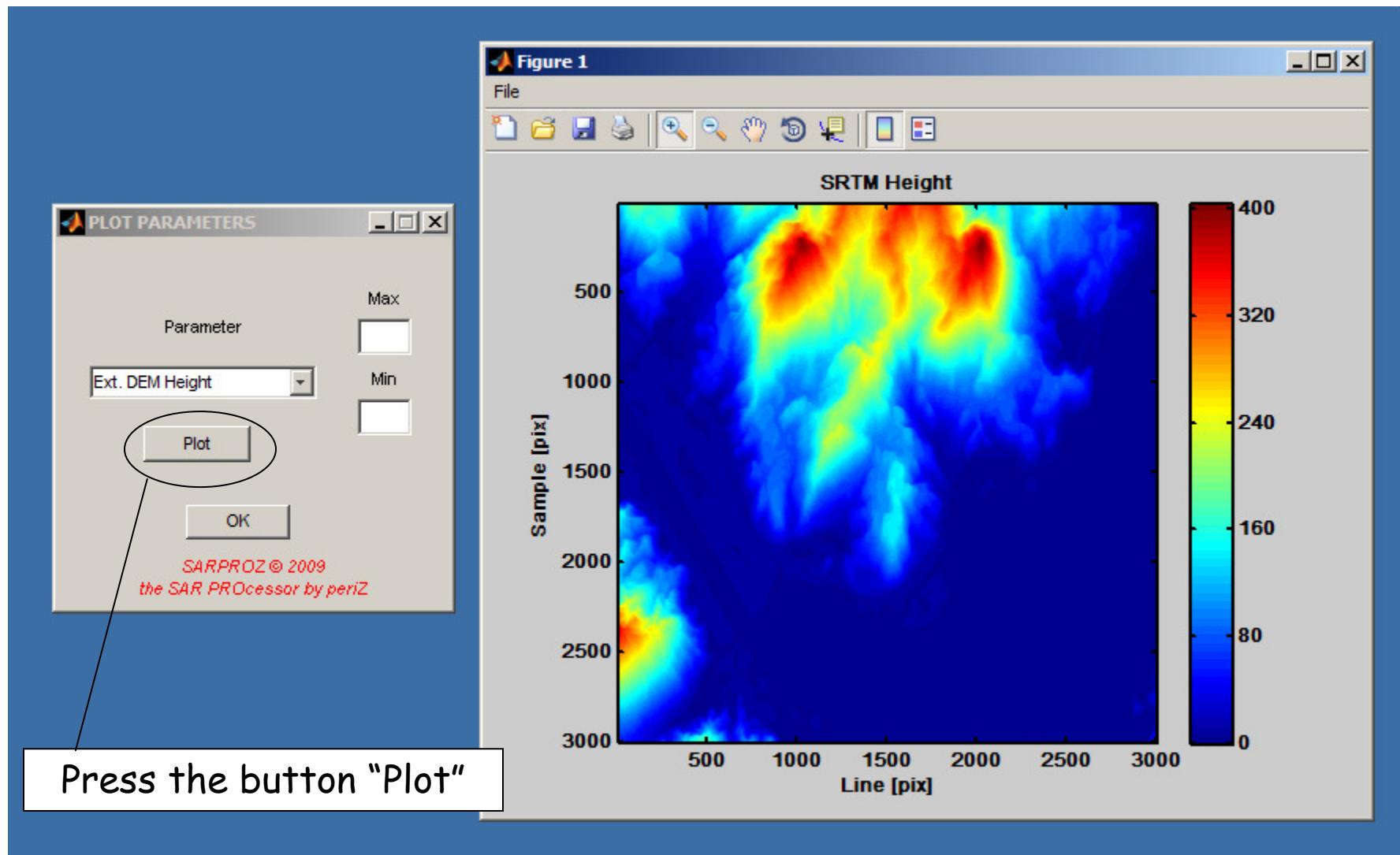
DEM resampling in SAR coordinates

View Parameters

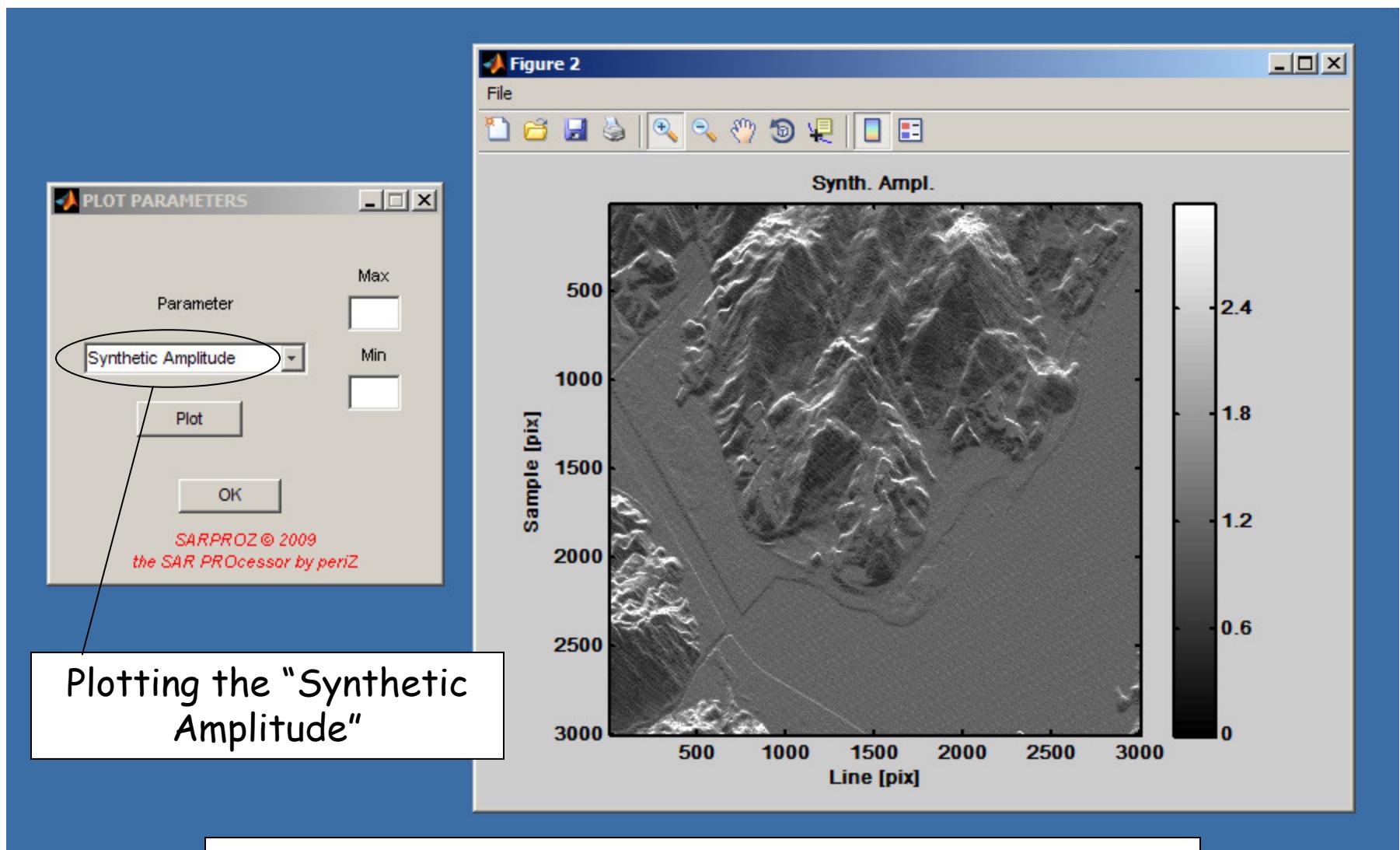
Select "External DEM Height" from the menu



View Parameters

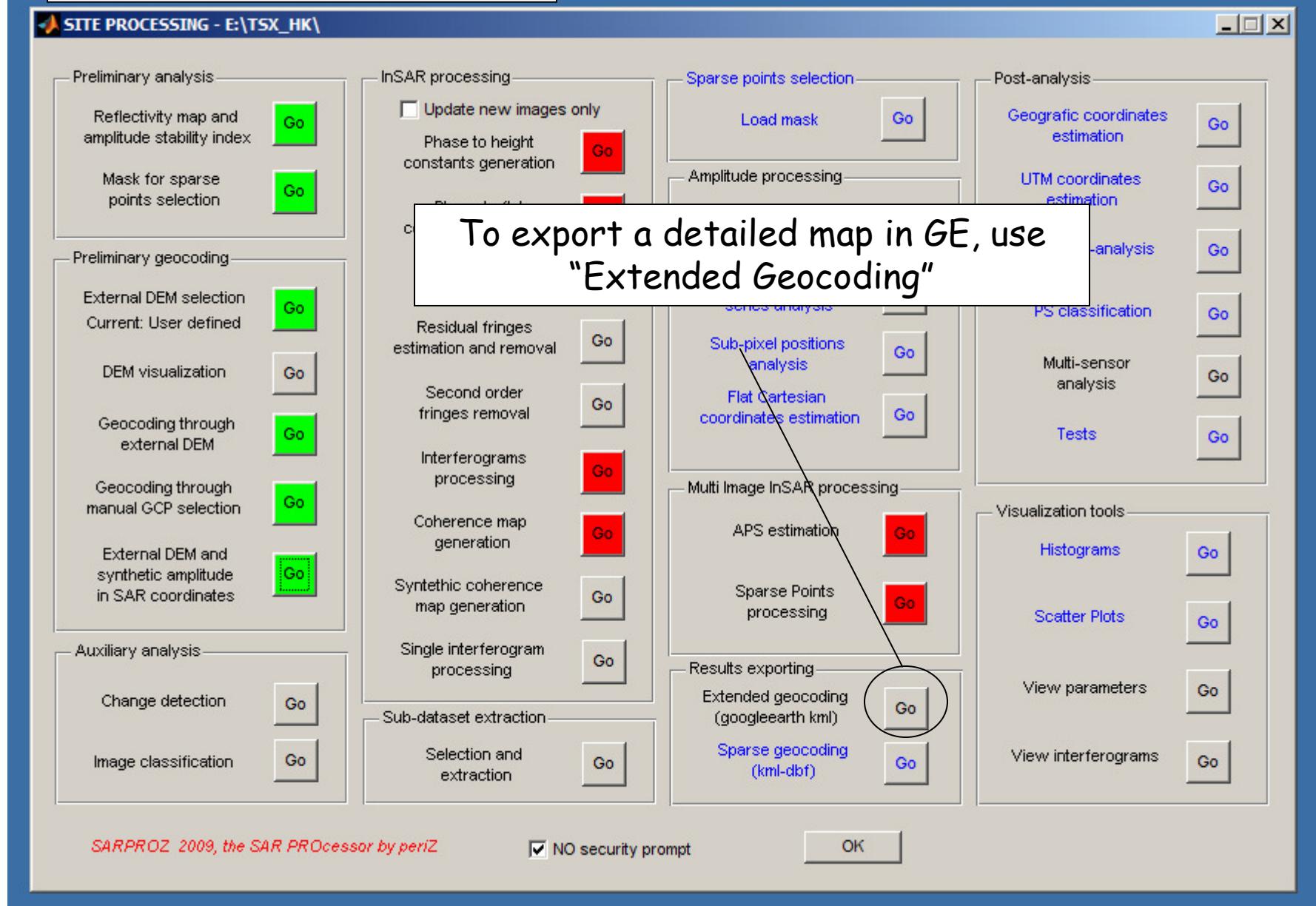


View Parameters

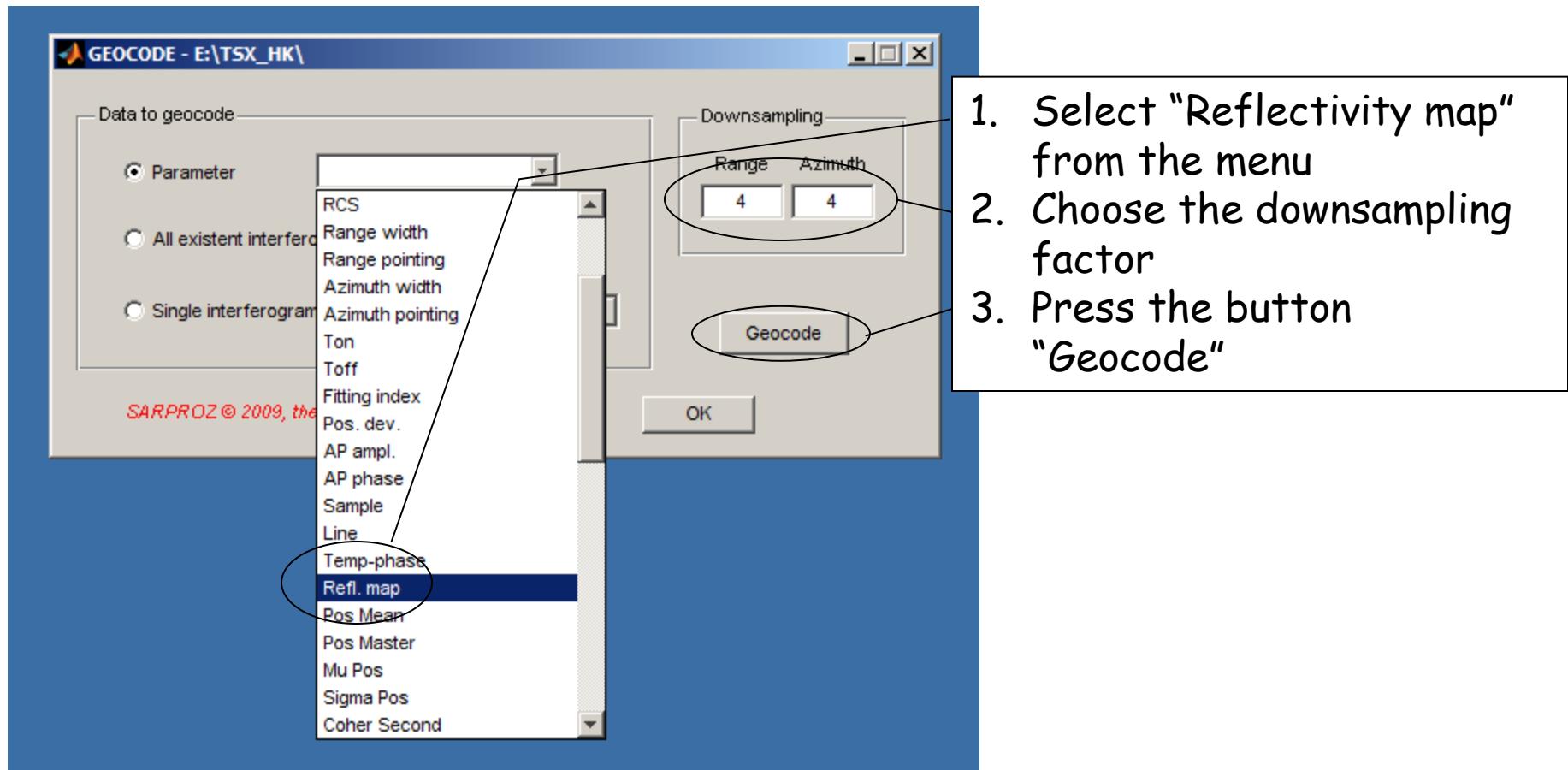


Precise geocoding and data exportation in GoogleEarth

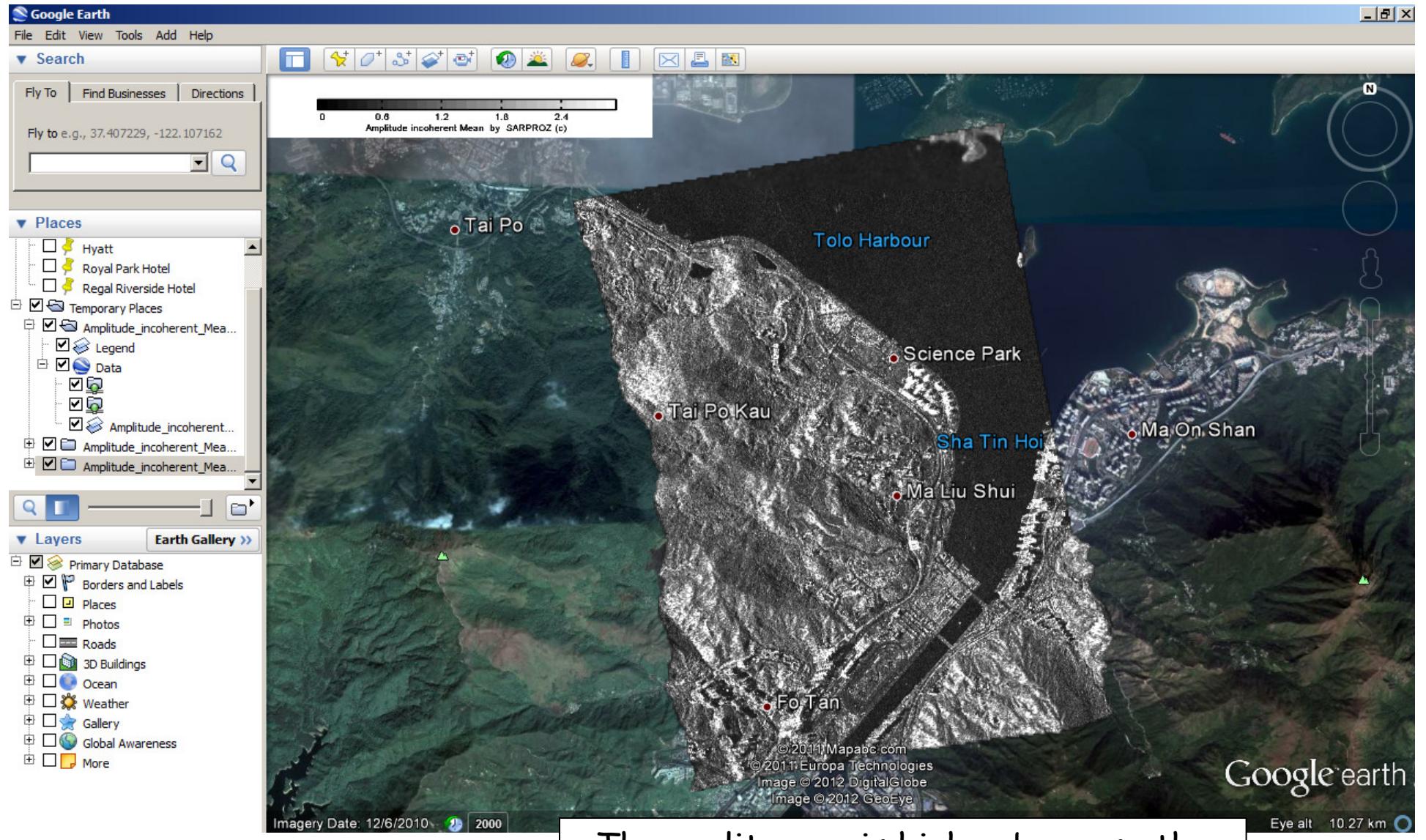
Site Processing



Extended Geocoding



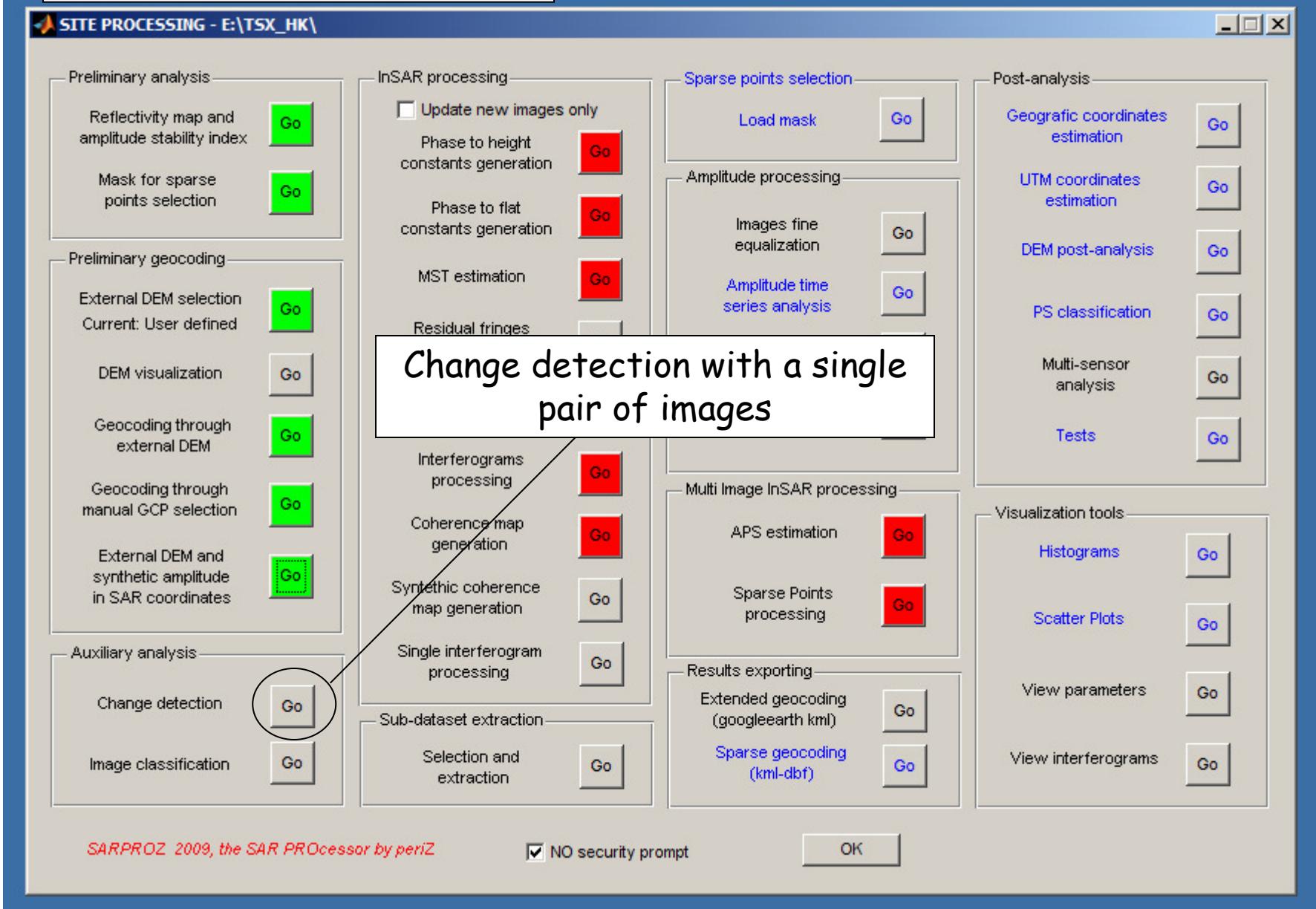
The Reflectivity Map in GE



The quality now is higher because the
DEM has been taken into account

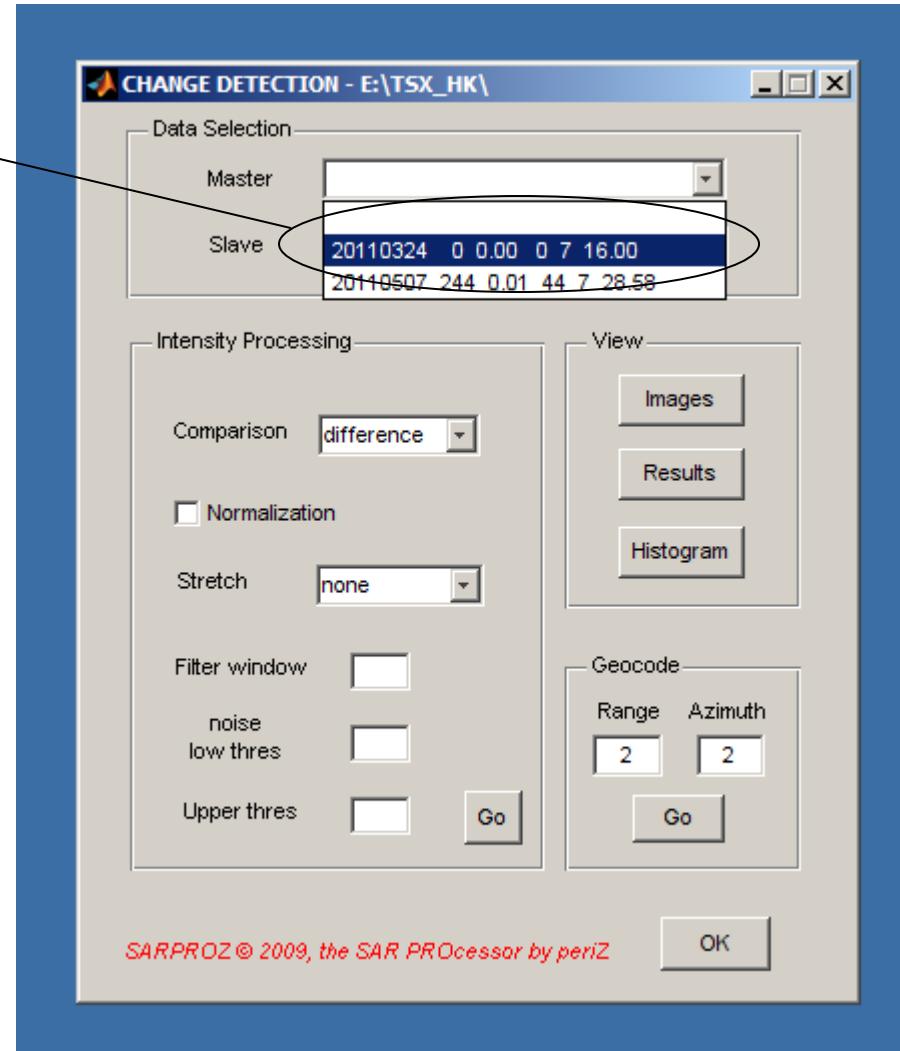
Change detection with pairs of images

Site Processing



Change detection

Select 2 different images as Master and Slave from the menu



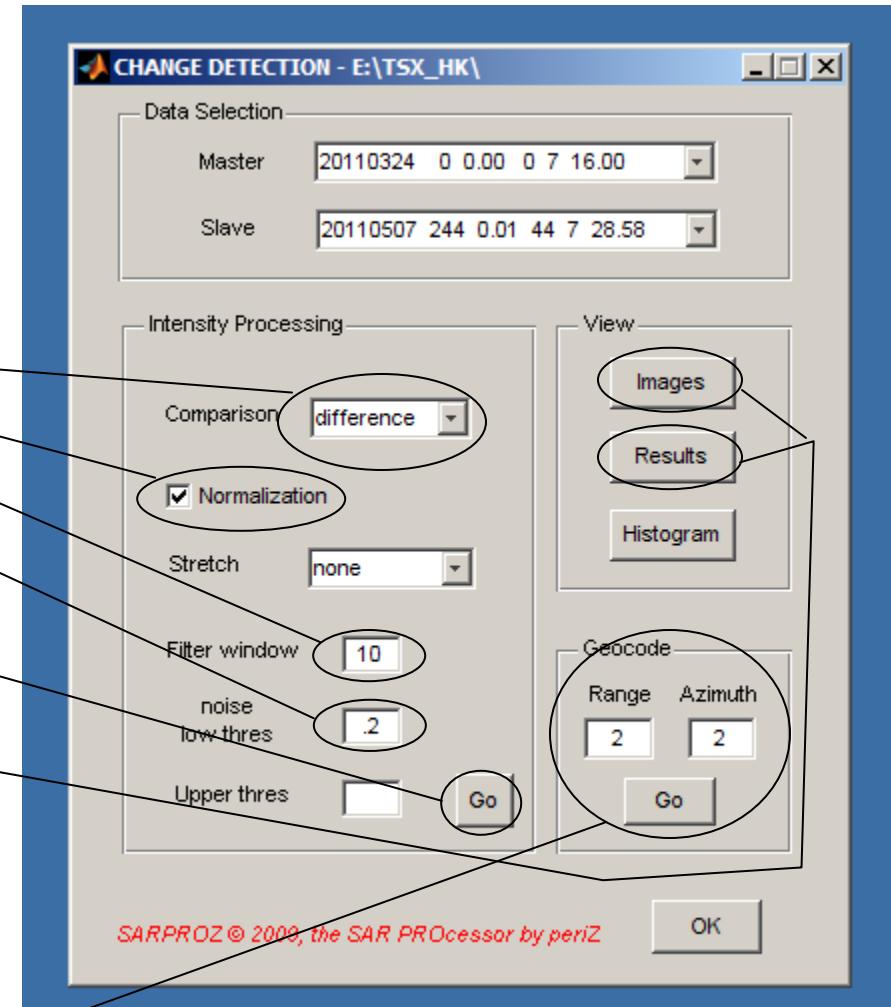
Change detection

Choose processing options:

1. Difference
2. Normalization
3. Filter Window 10 pixels
4. Noise threshold 0.2

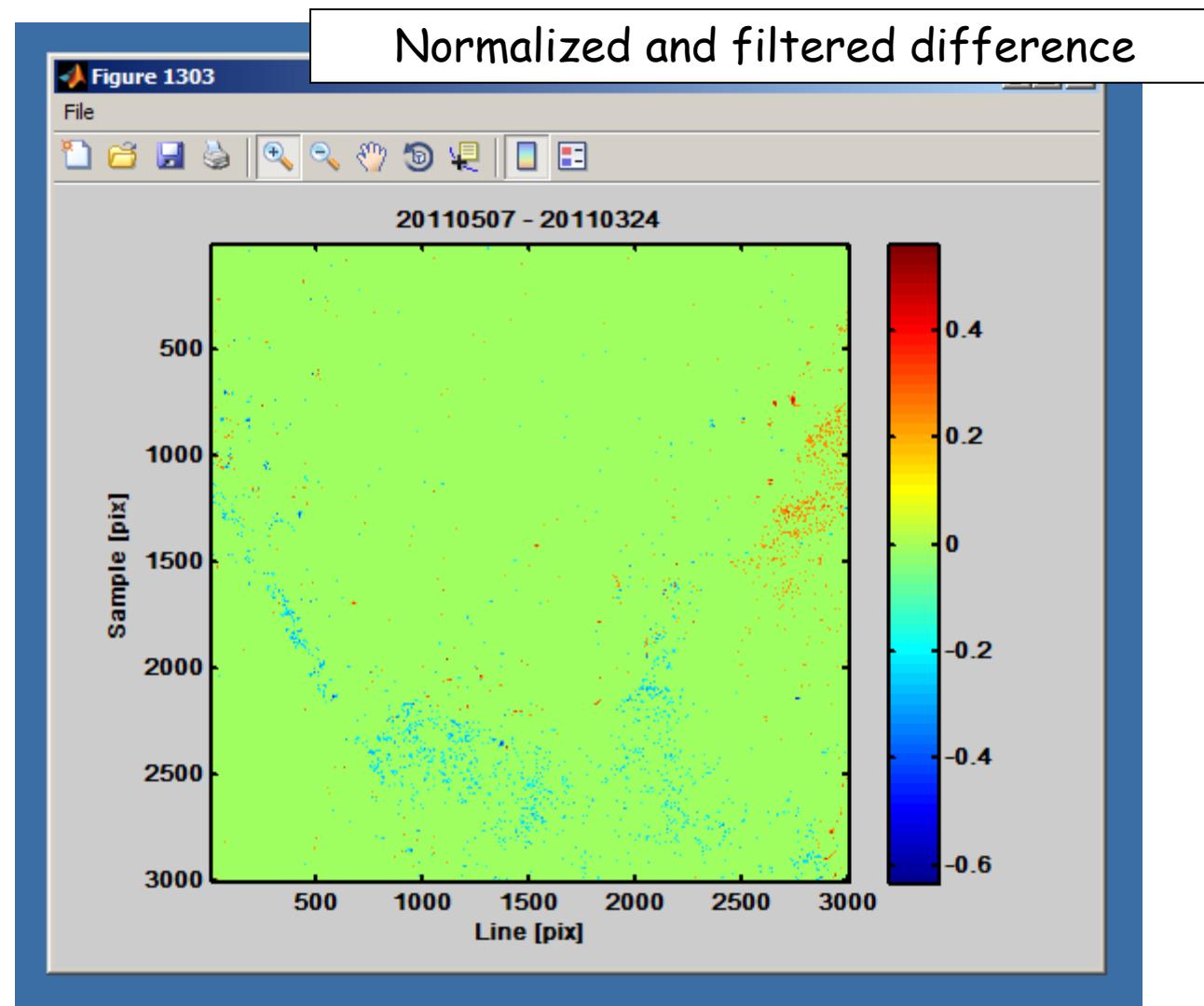
Then press Go

And plot images and results

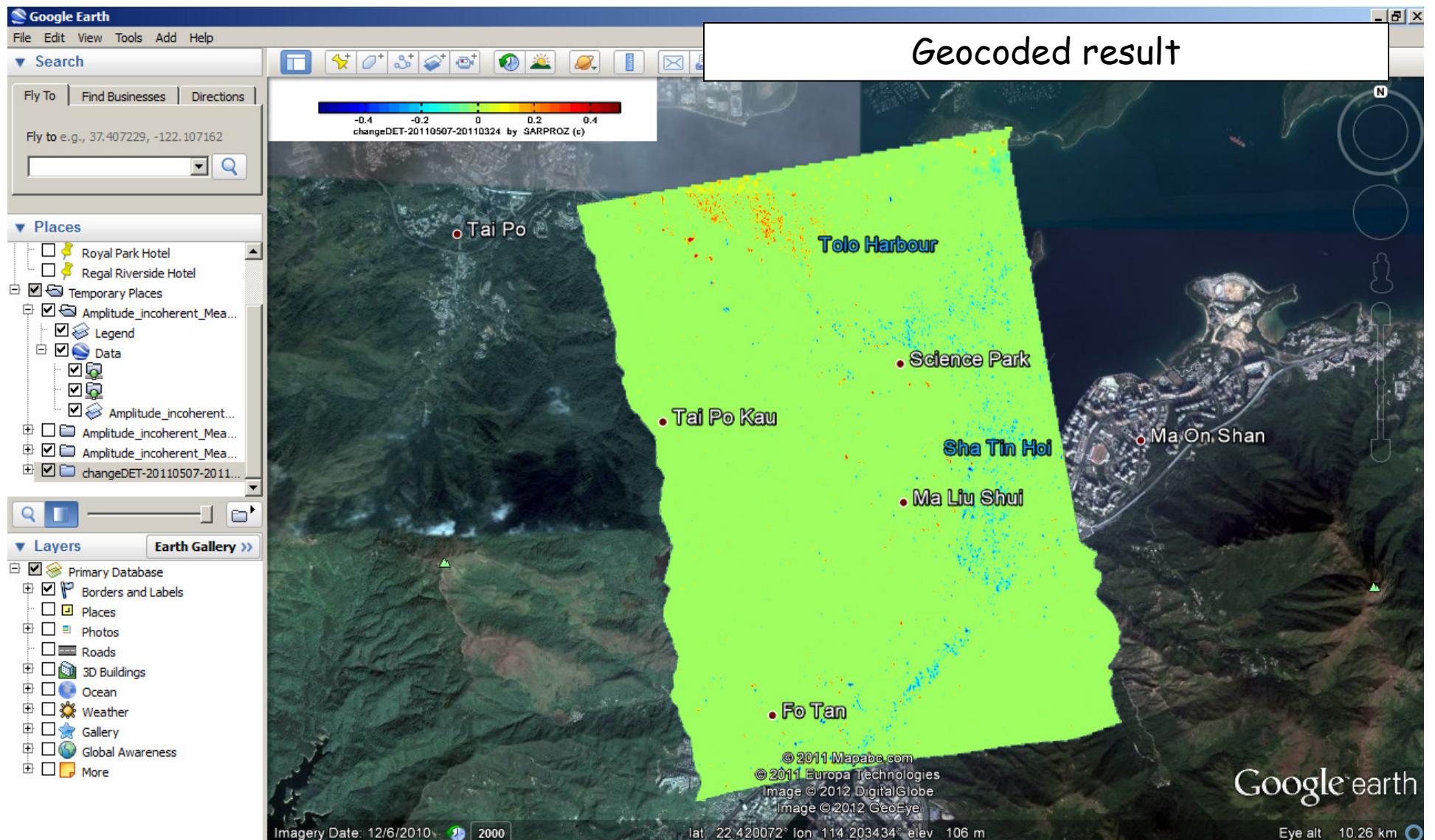


Geocoding module

Change detection

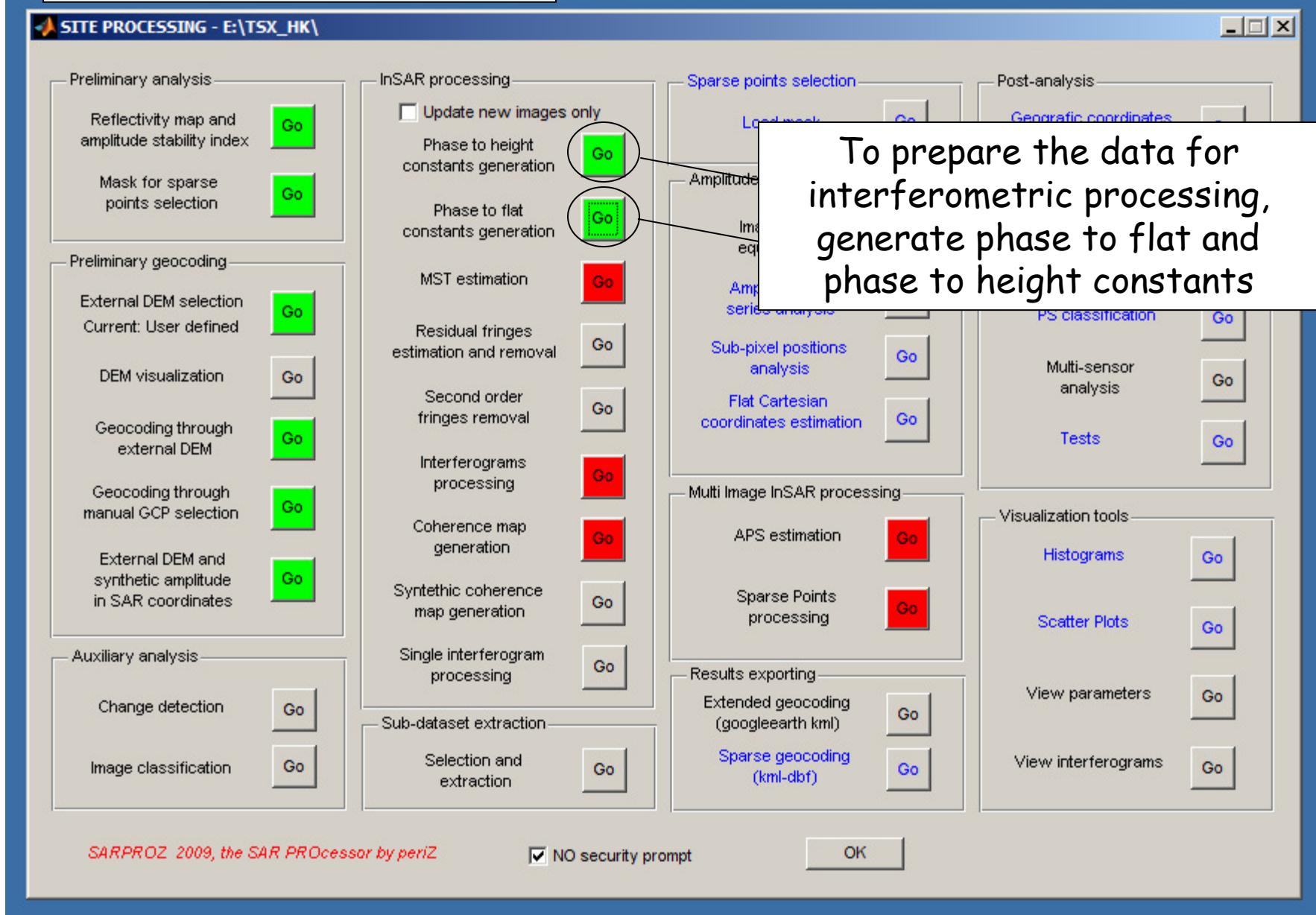


Change detection



Interferometry processing

Site Processing



Single Interferogram Processing

Select 2 different images as Master and Slave from the menu

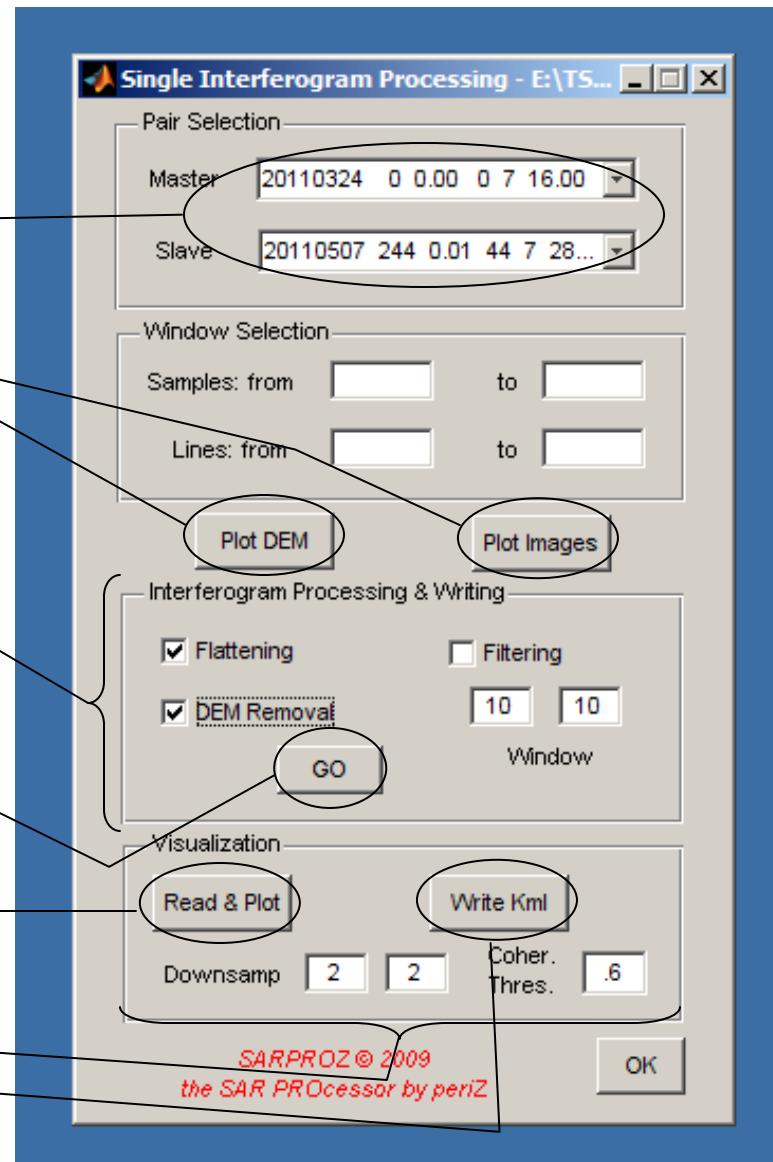
Plot DEM and Images

Choose the operations you want to perform (flattening, DEM removal, filtering -window size-)

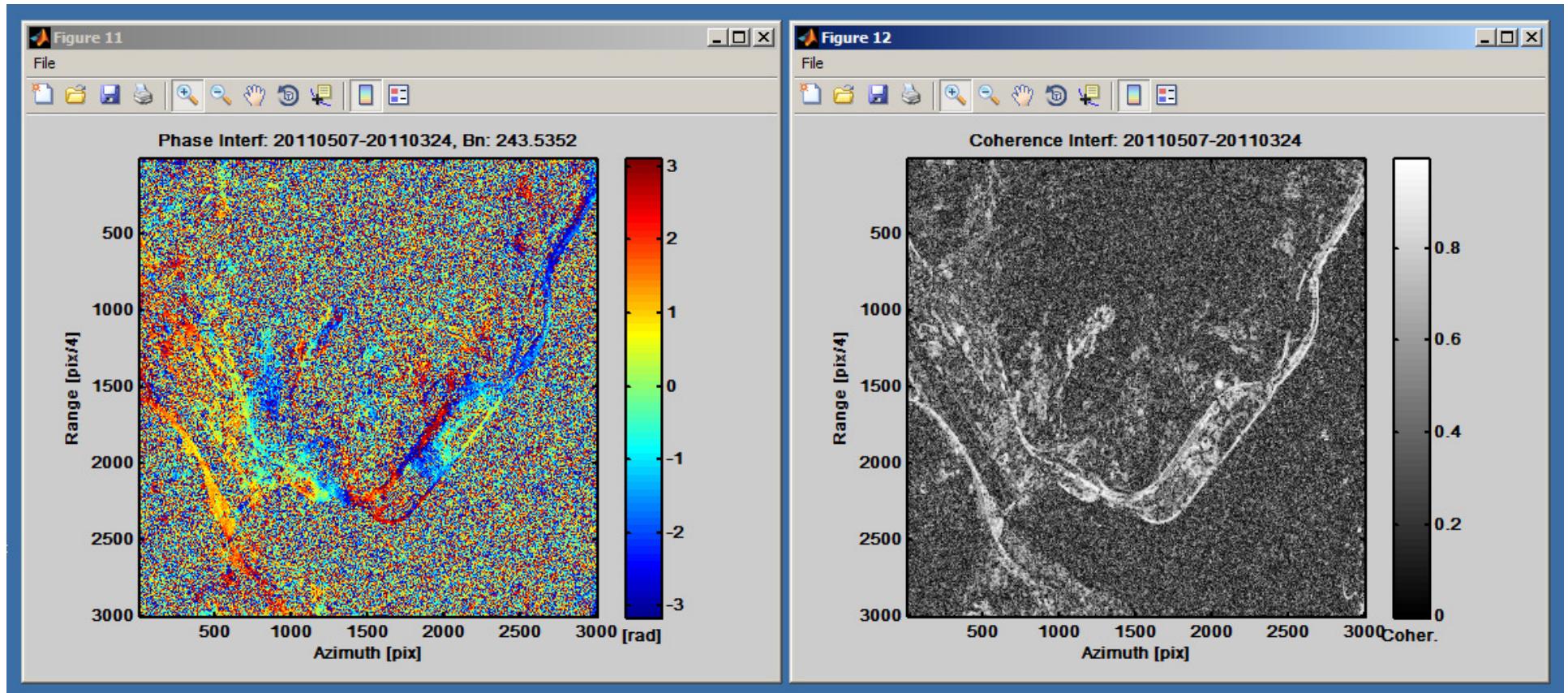
And press GO

Plot the results

Choose appropriate parameters and Geocode the results in GE



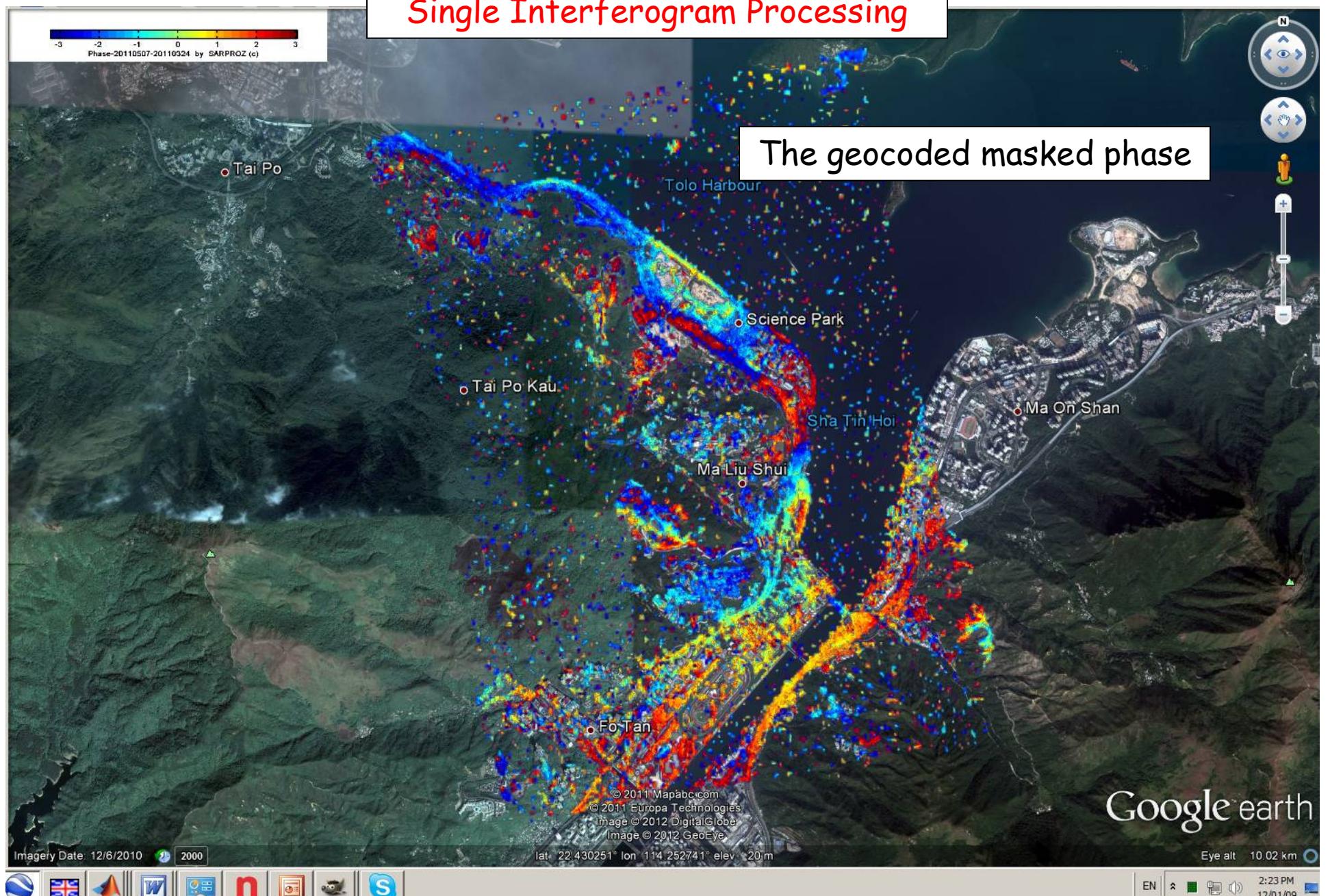
Single Interferogram Processing



The results

Single Interferogram Processing

The geocoded masked phase



Single Interferogram Processing

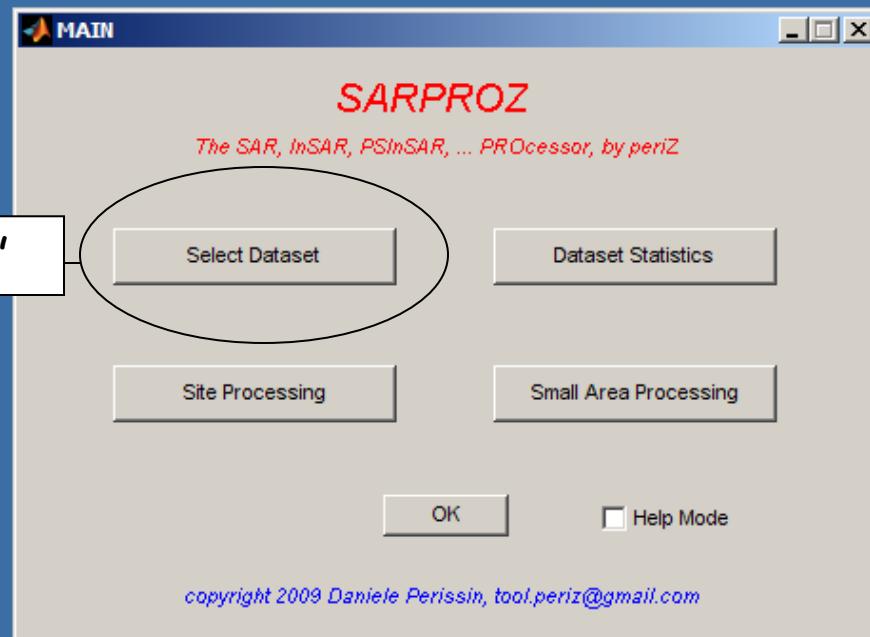


Sparse Points visualization

Examples for Interferometry

SARPROZ main window

Load data with "Select Dataset"



```
E:\main.exe
Welcome to SARPROZ
by Daniele Perissin, copyright 2009
Messages from this session are written in file 02-Jan-2012_18_00_39_sarproz.log
directory E:\n
compiled on 02-Jan-2012 16:11:52
```

