

Geophysical Prospecting and Underwater Archaeology Bathymetric and Side Scan Sonar Surveys

Sozopol - Sinemorets

End of September - October 2013

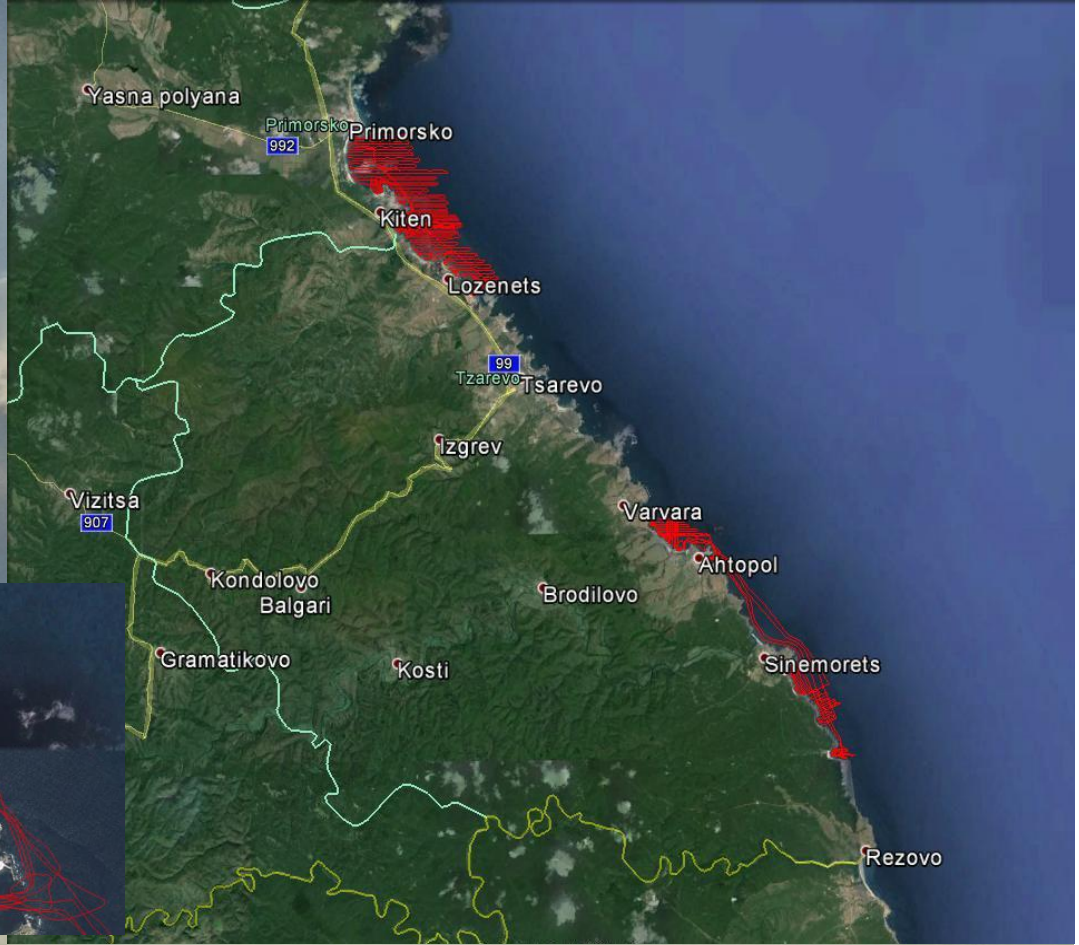
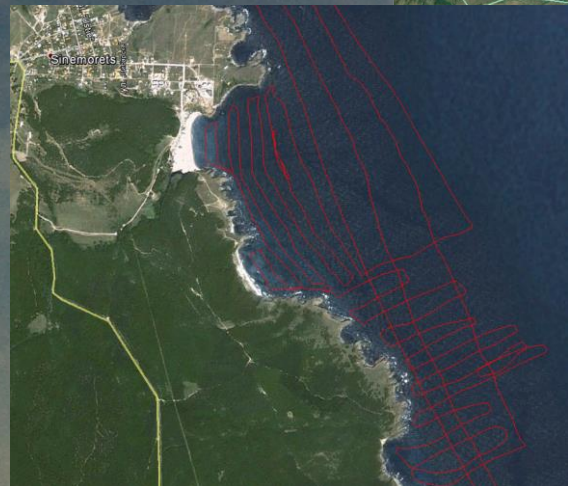
Team members:

**Hristina Angelova
Vesselin Draganov
Naiden Prahov
Peter Petrov
Kiril Velkovsky
Dragomir Garbov
Atanas Orachev**

Kiril Velkovsky M.Sc. Geophysics

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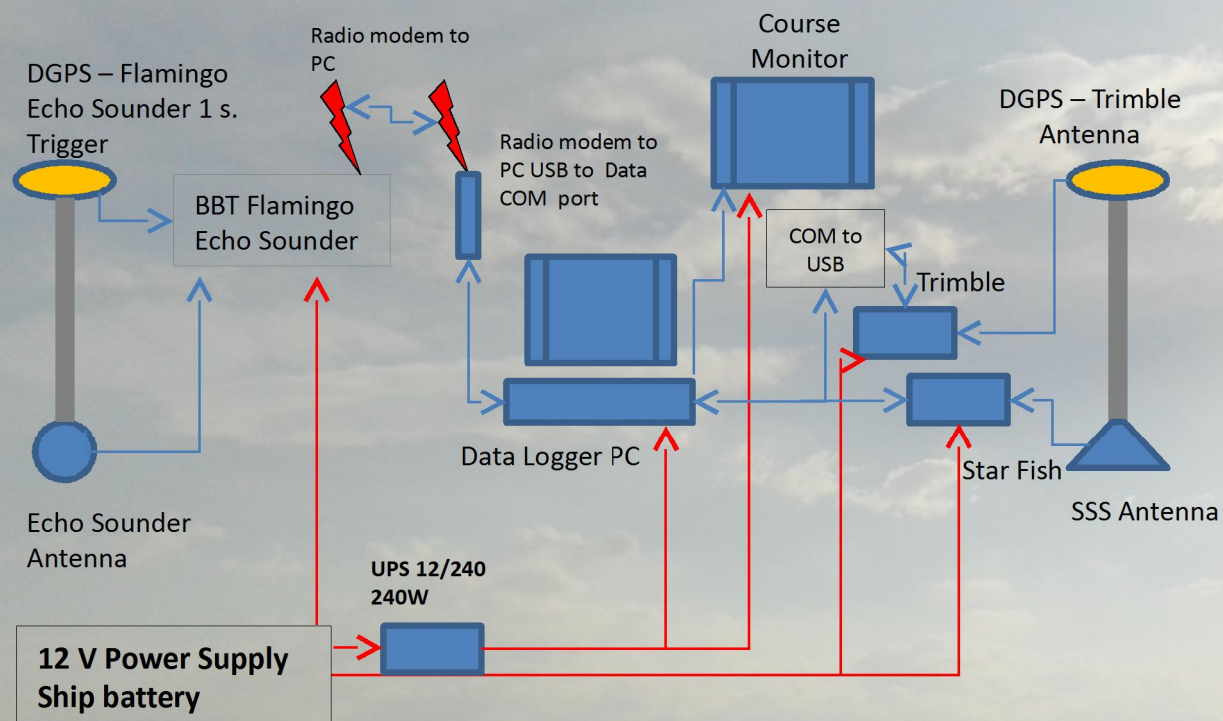
Areas



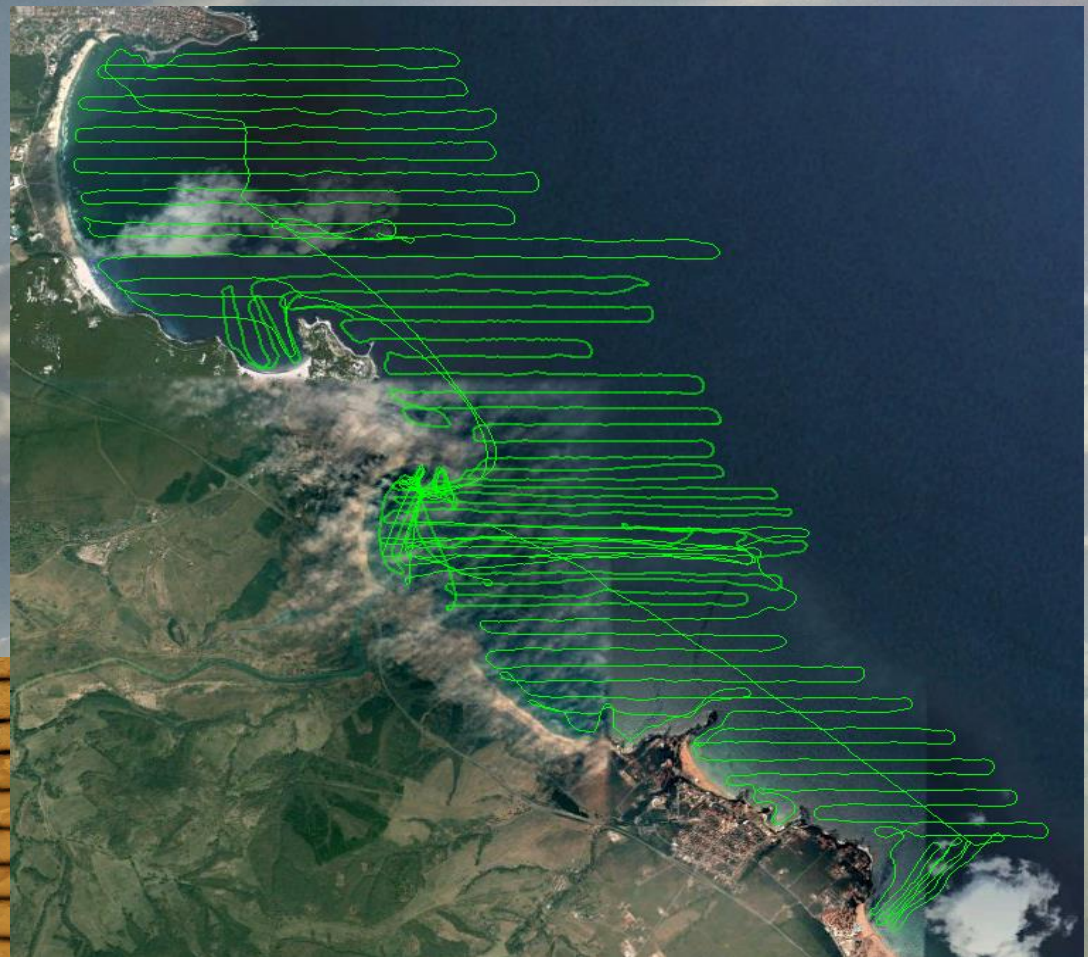
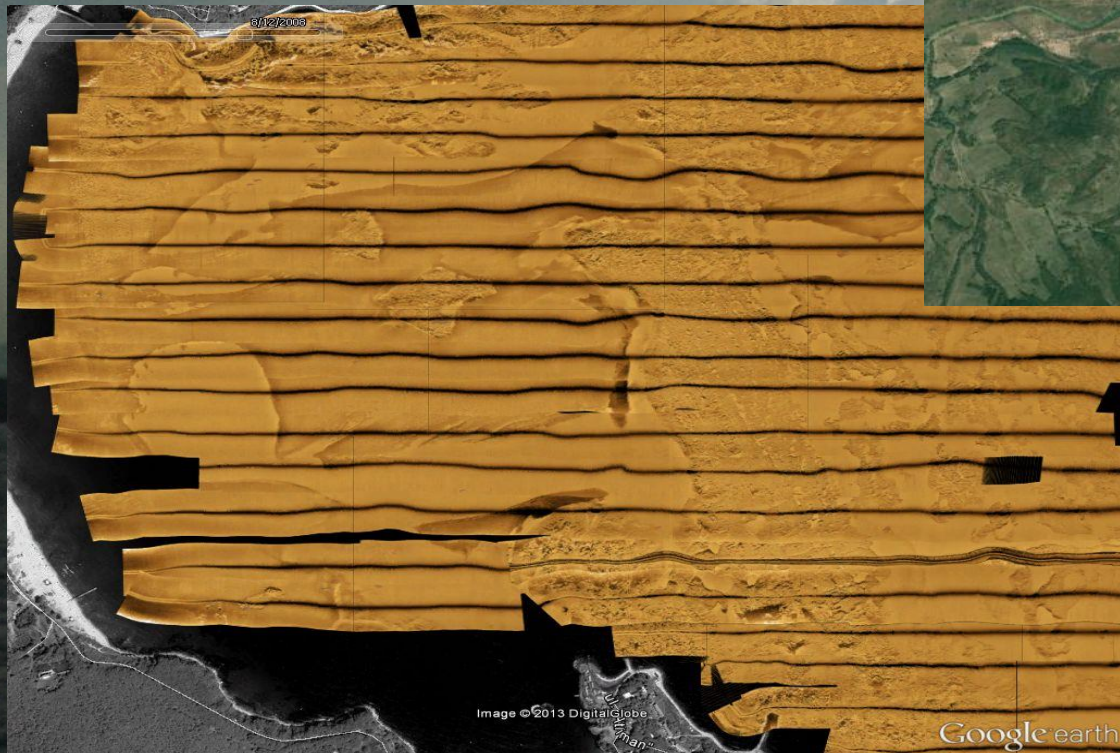
Area	Number of profiles	Length of the profiles	Area measured
Kiten	79	182,7	17.50
Ahtopol	26	13,0	2,60
Ahtopol - Sinemorec	4	22.5	3.50
Sinemorec South	31	40.0	3.05
Silistar	11	11.0	0.51
Total:		268.20 km	27.16 km2

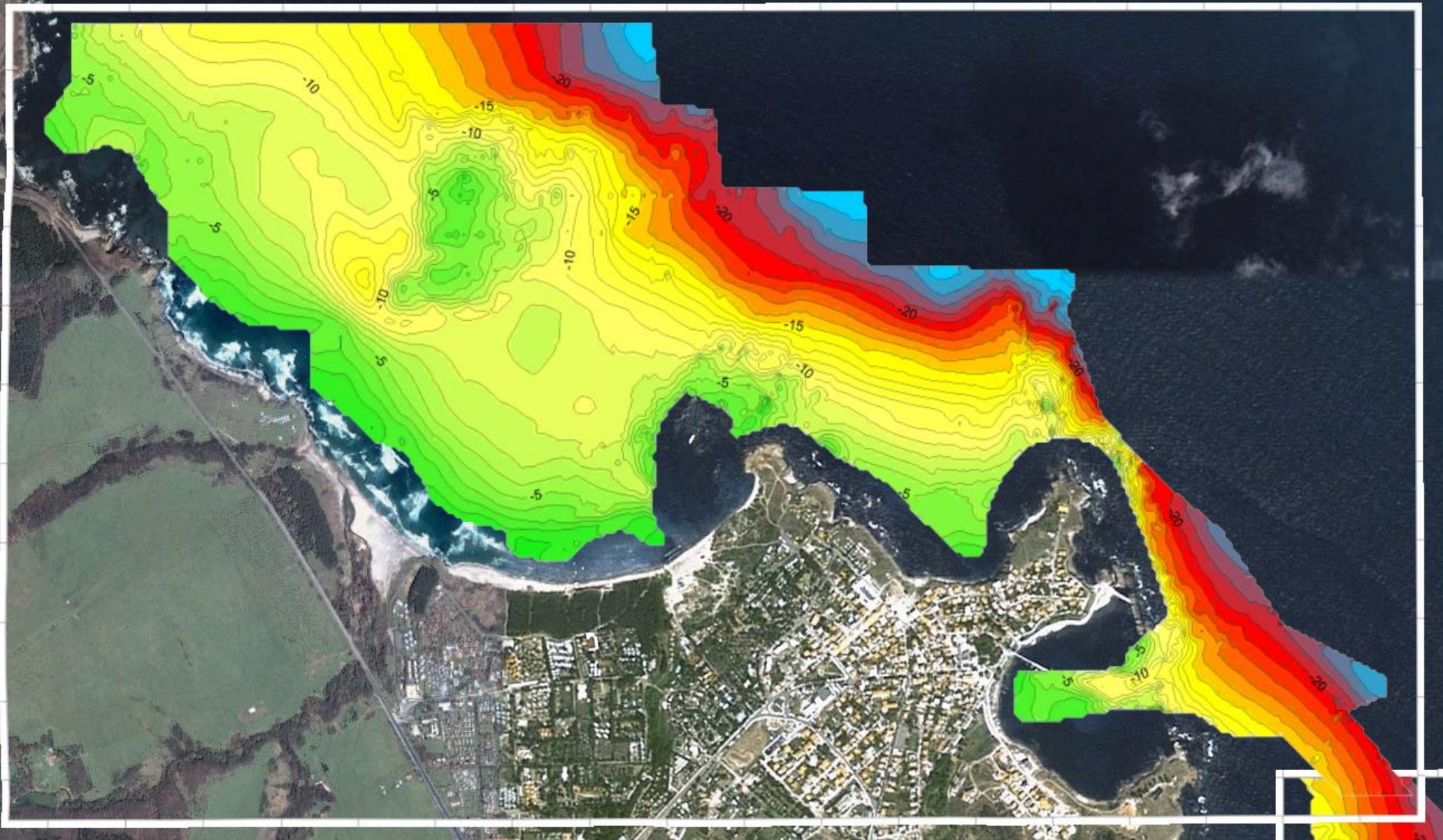


Equipment and methodology

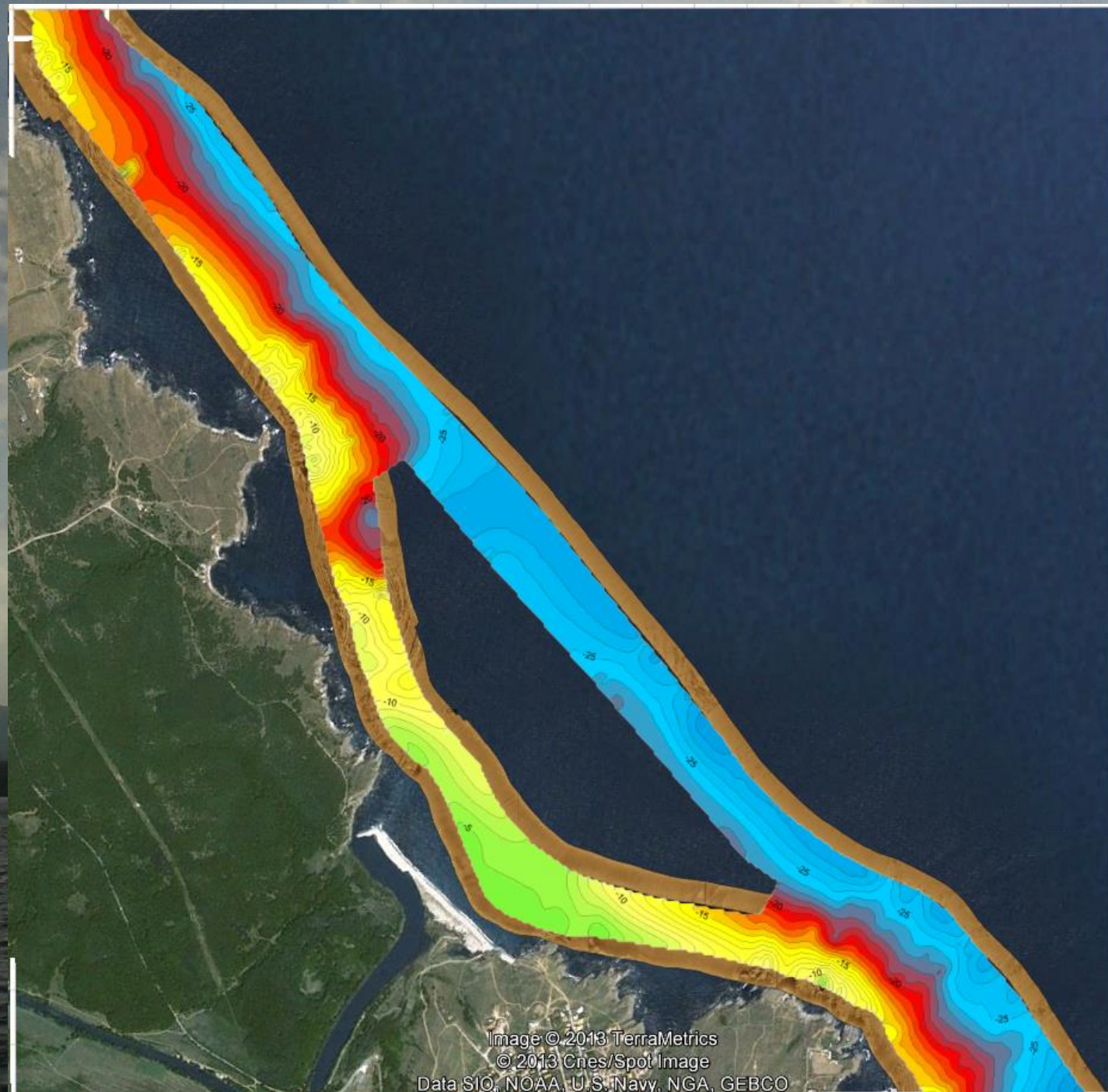


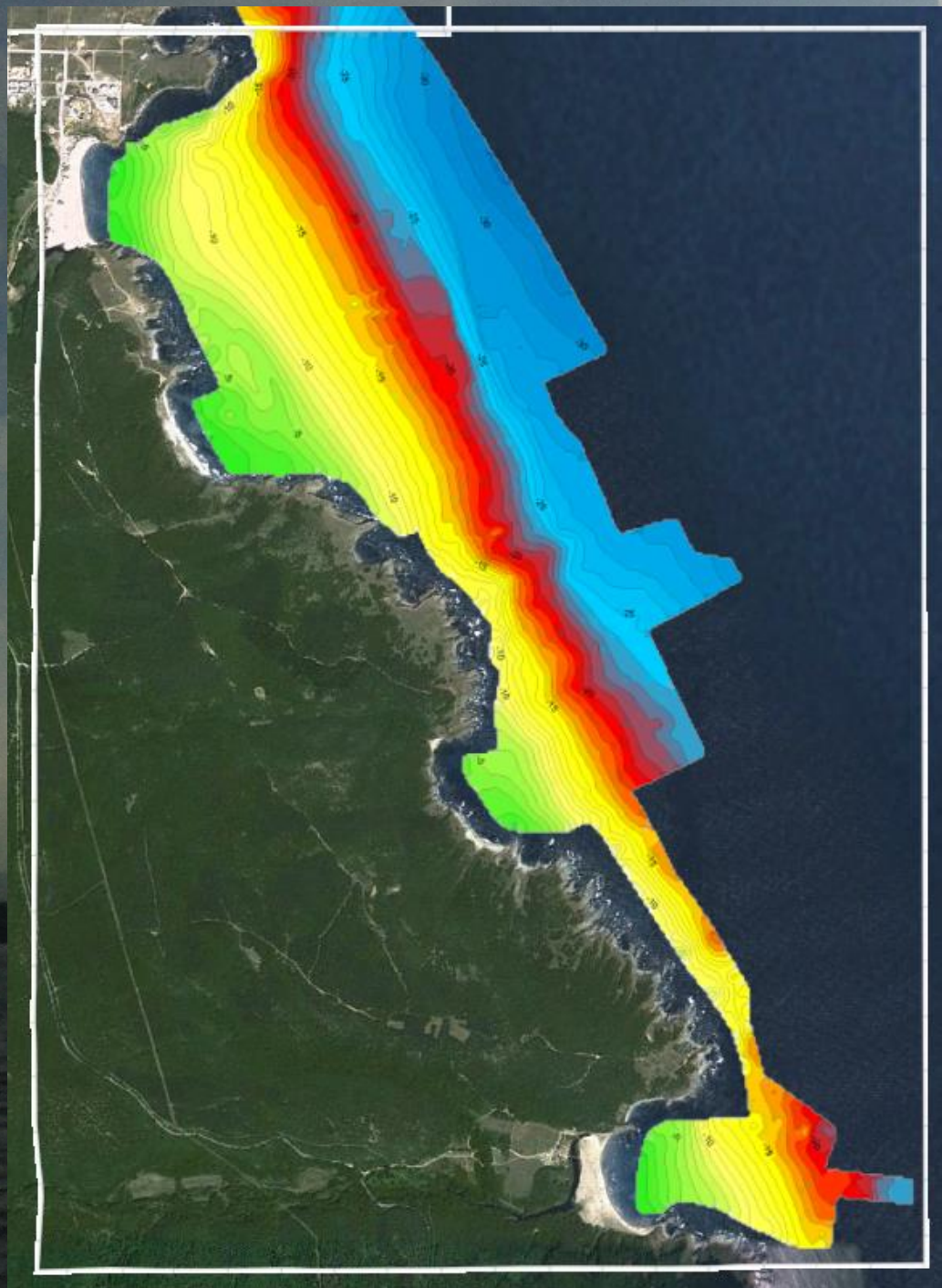
Methodology of the measurements



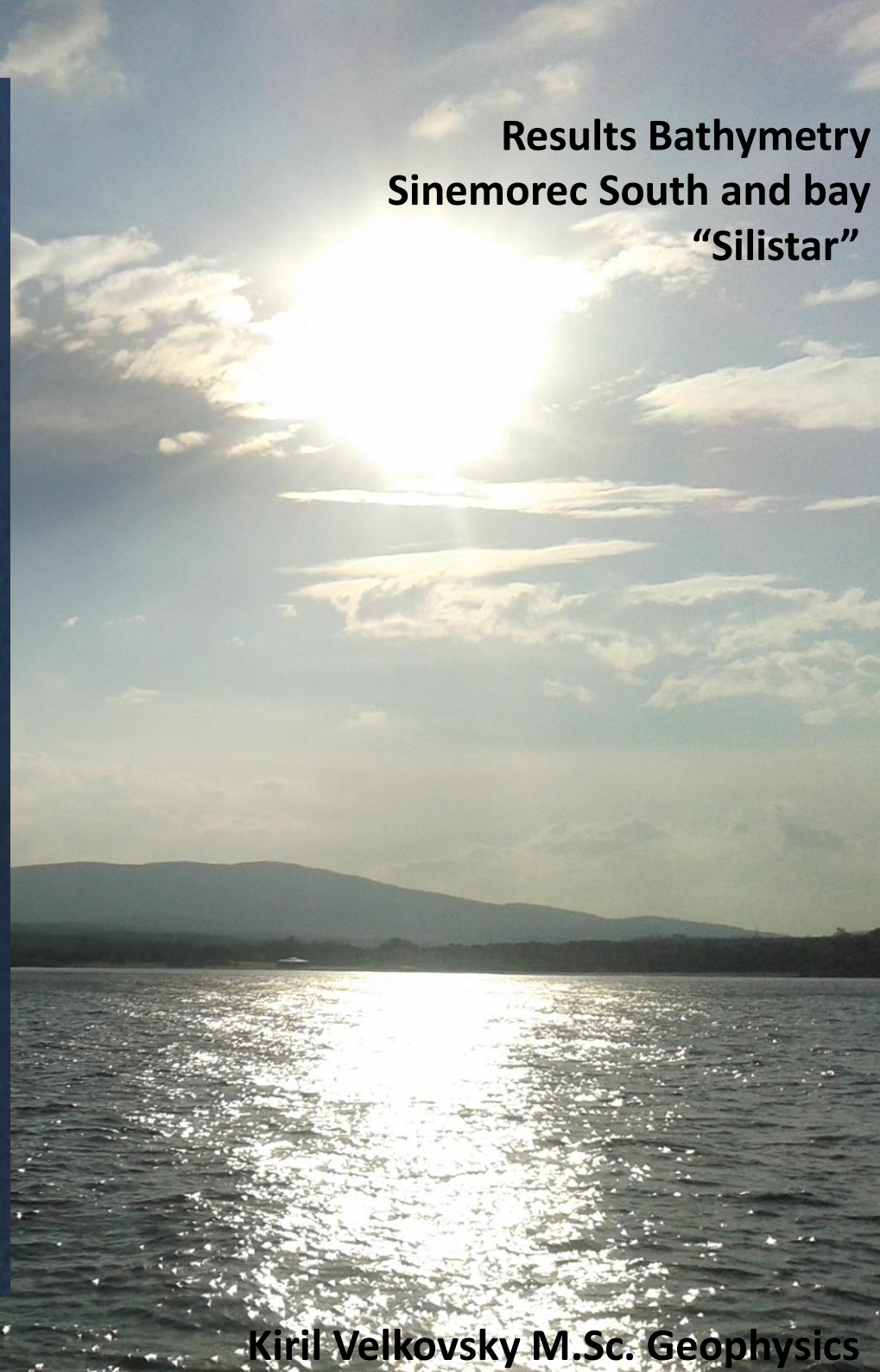


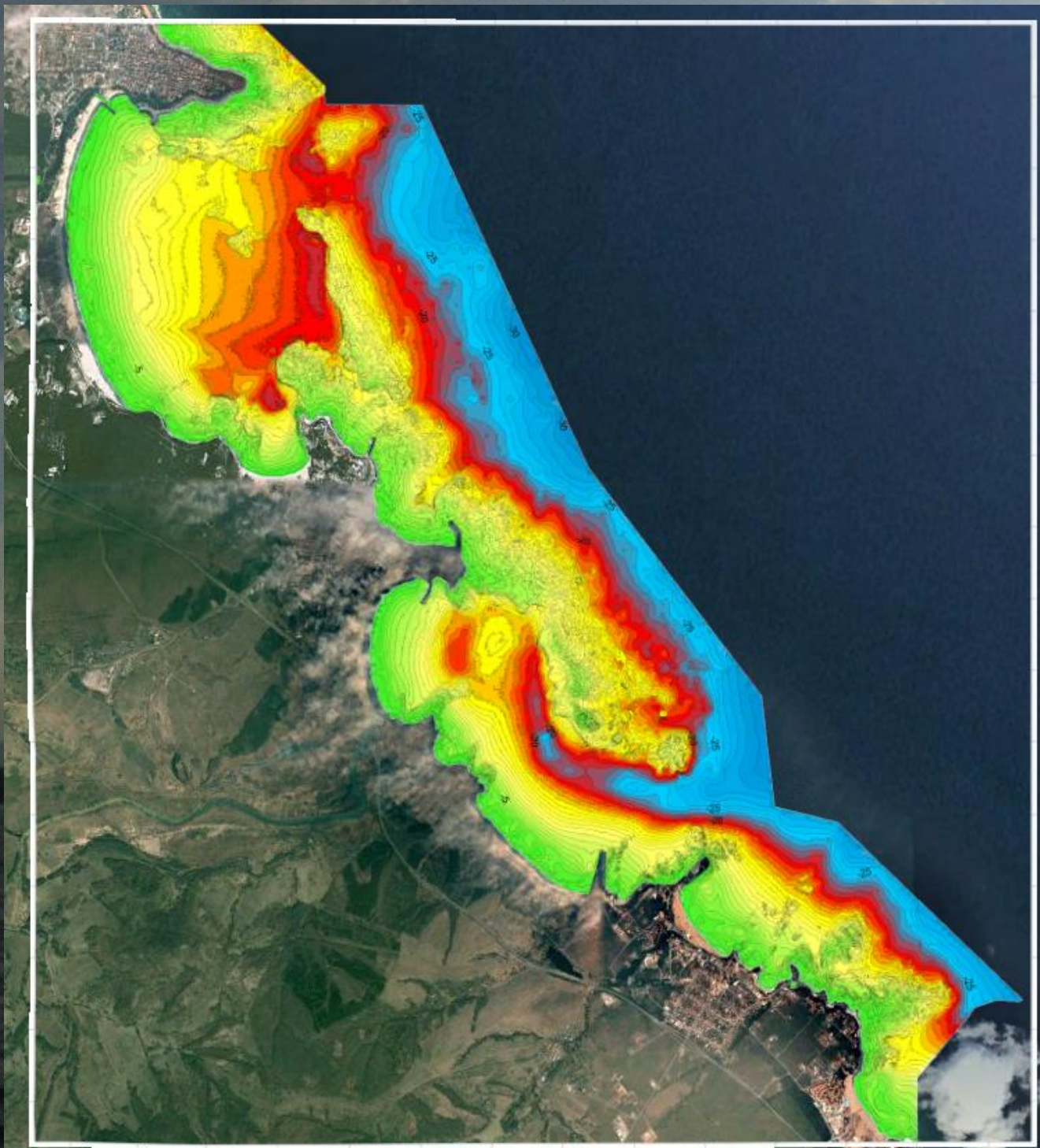
Results Bathymetry
Sinemorec -Ahtopol





**Results Bathymetry
Sinemorec South and bay
“Silistar”**



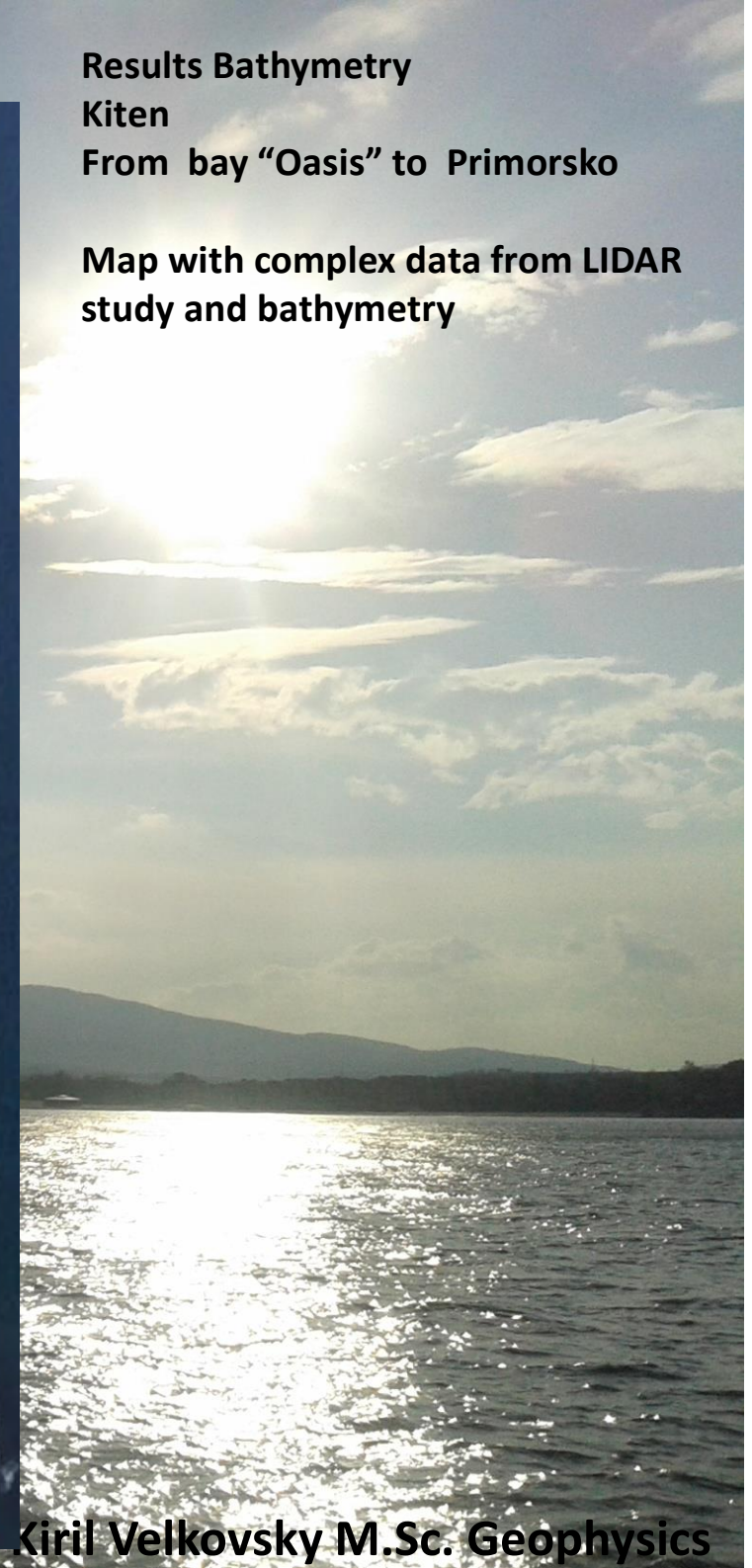


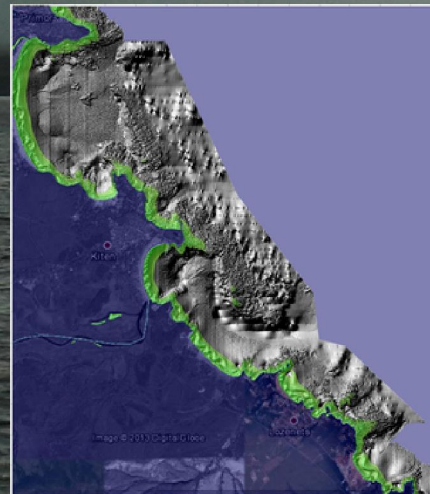
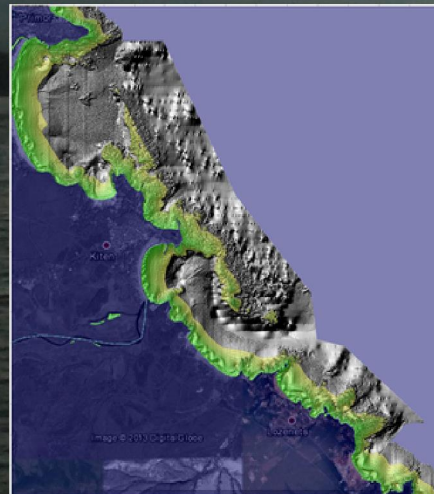
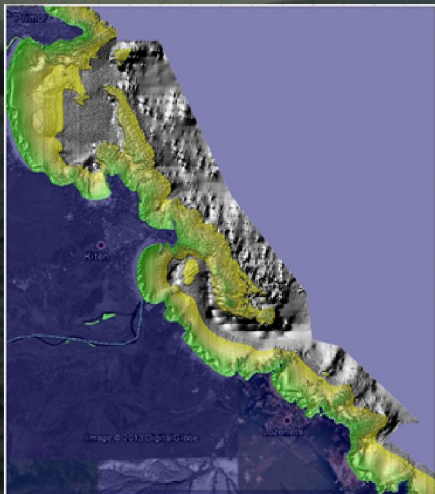
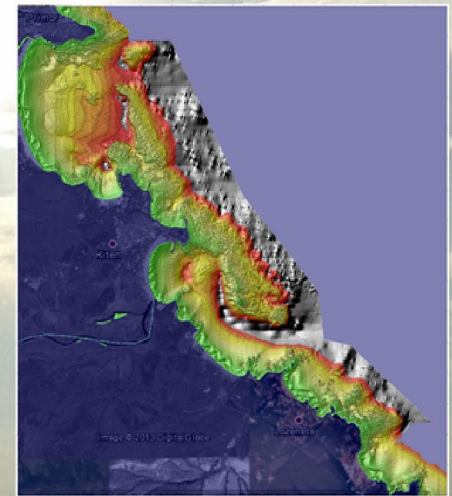
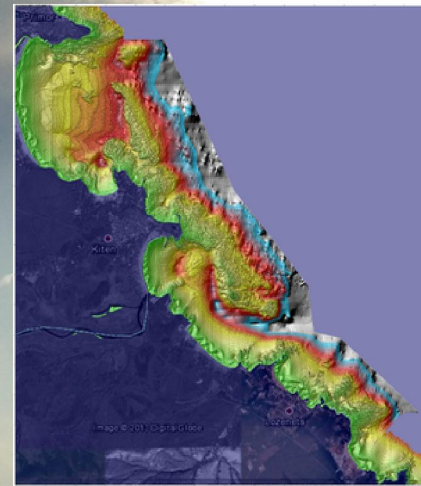
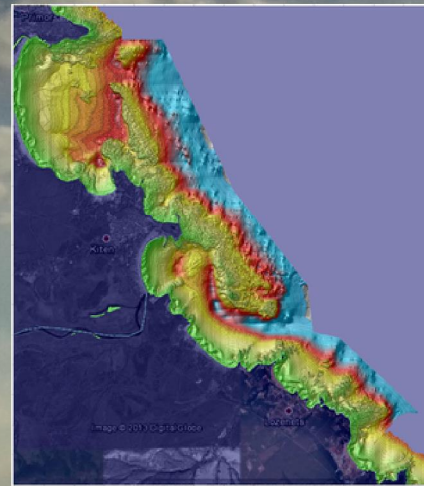
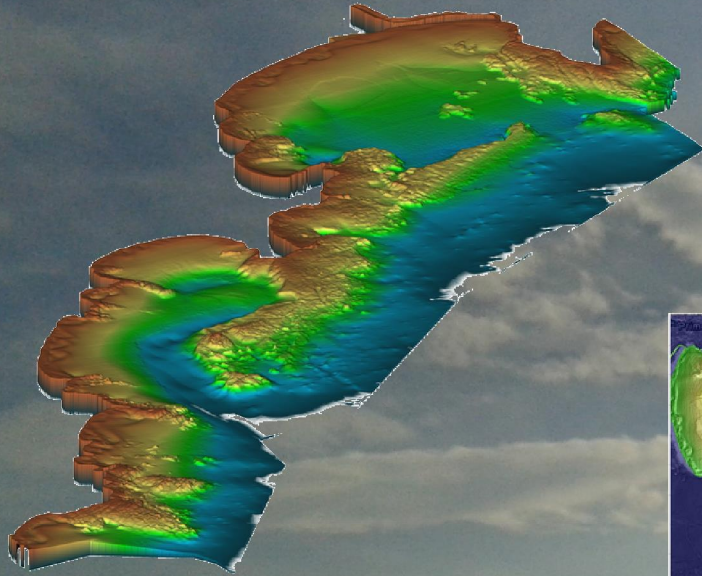
Results Bathymetry

Kiten

From bay "Oasis" to Primorsko

**Map with complex data from LIDAR
study and bathymetry**



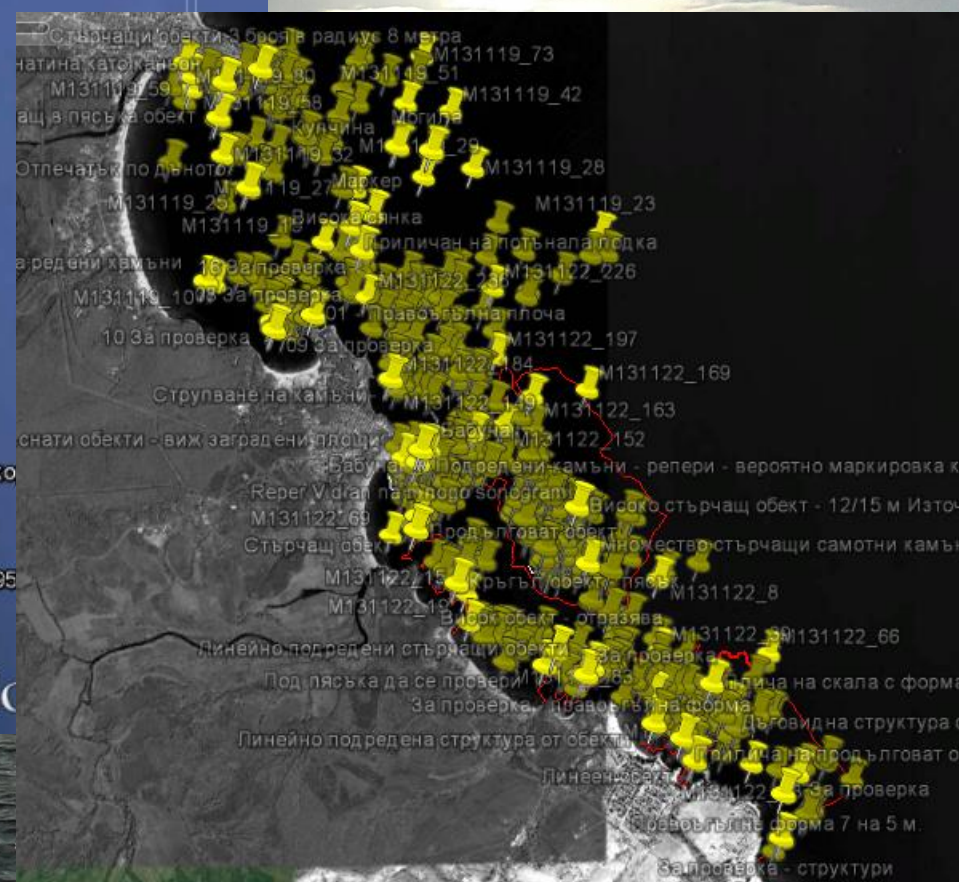




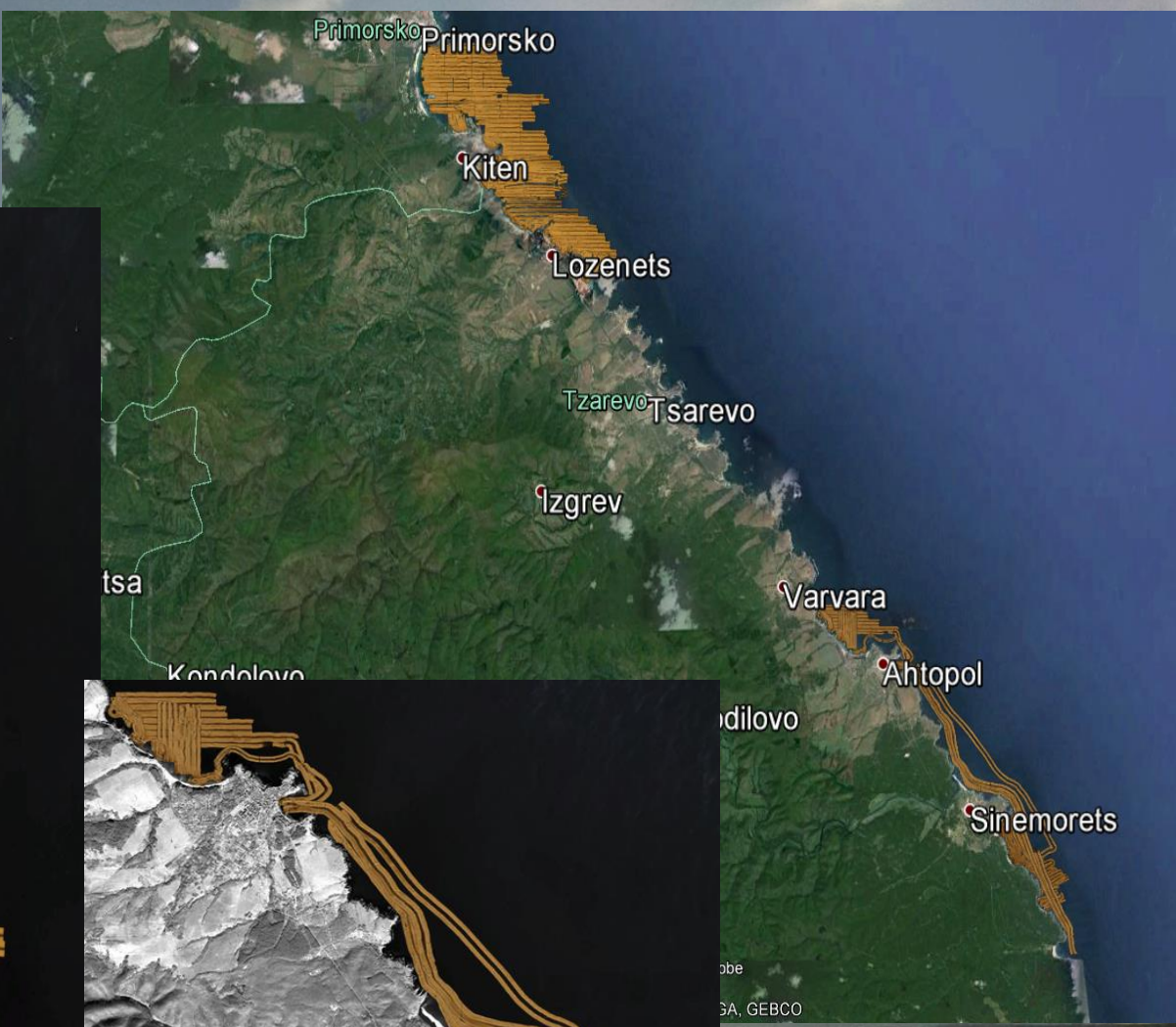
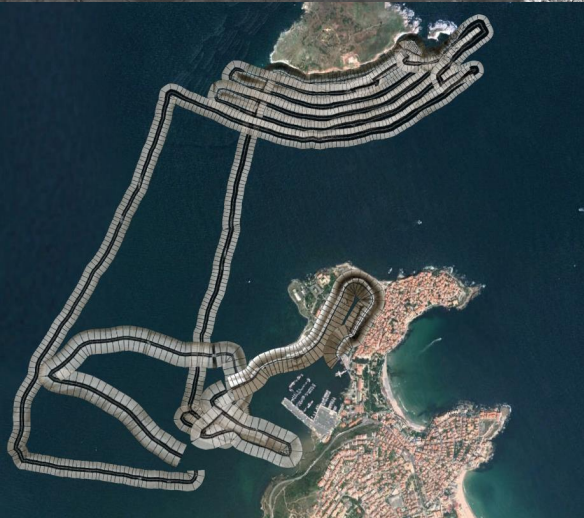
Results Side scanning sonar

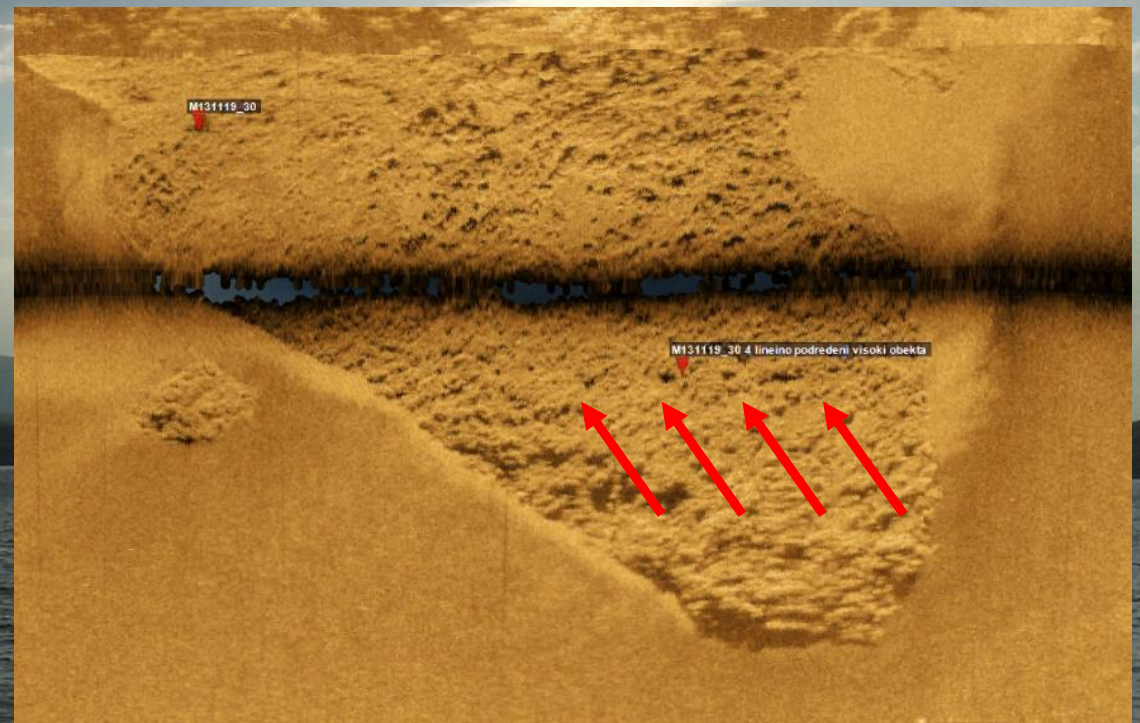
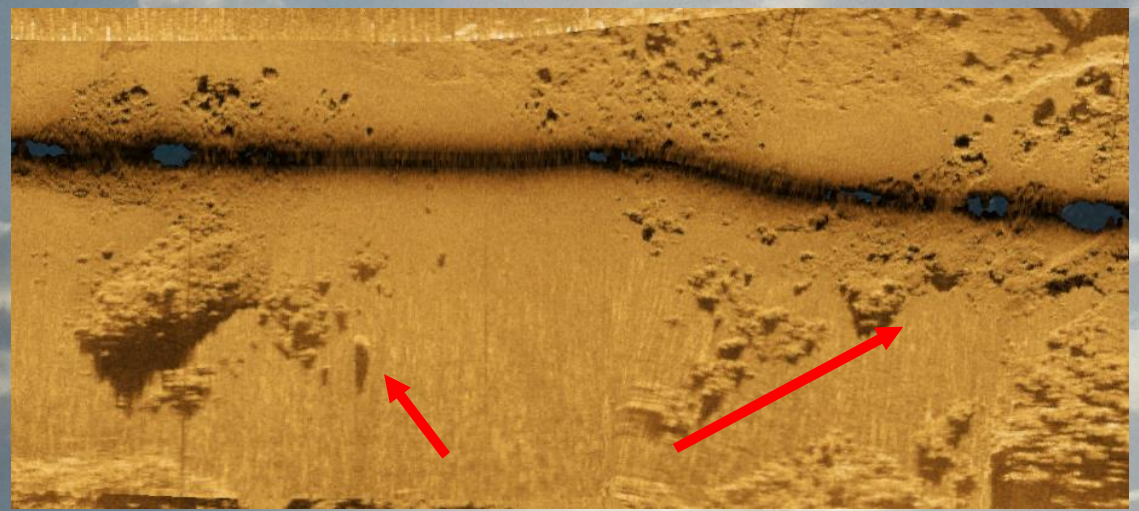
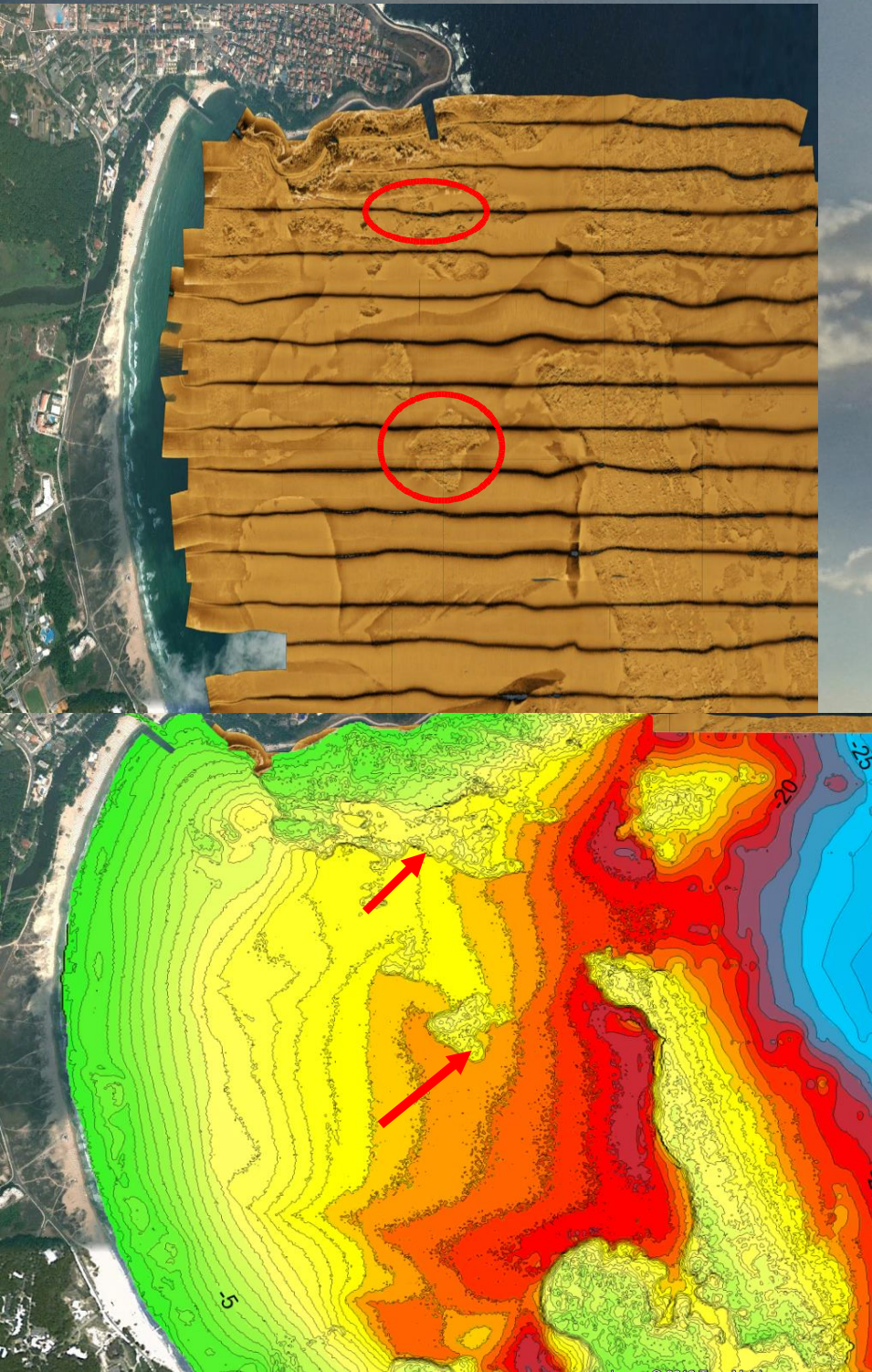
Over 500 targets to be checked only for the area of Kiten.

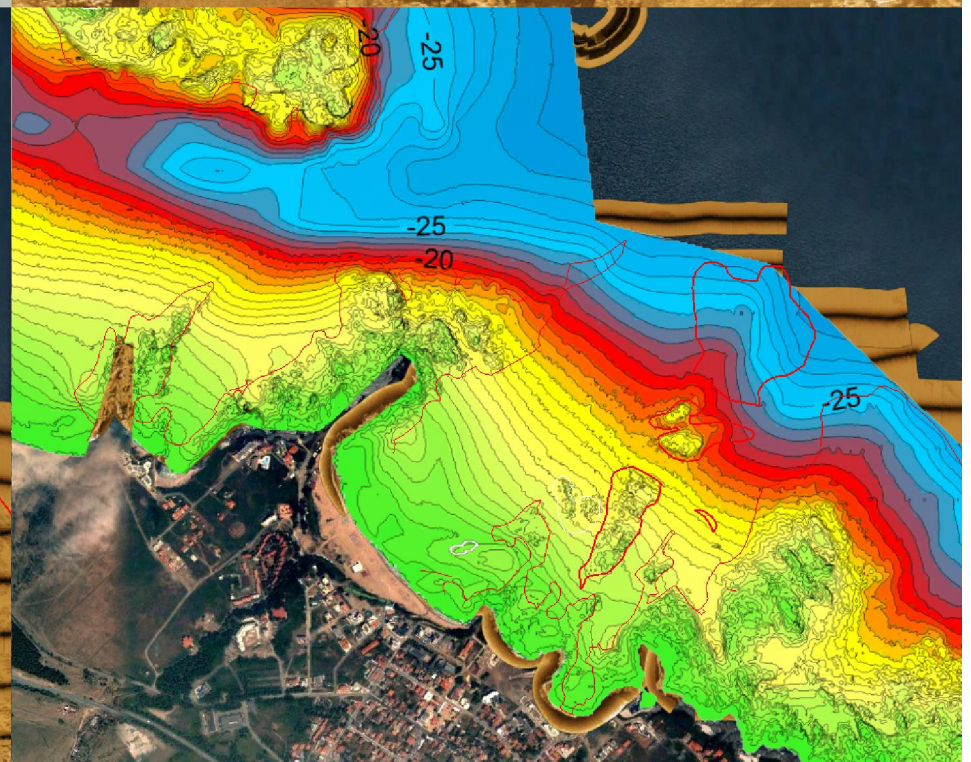
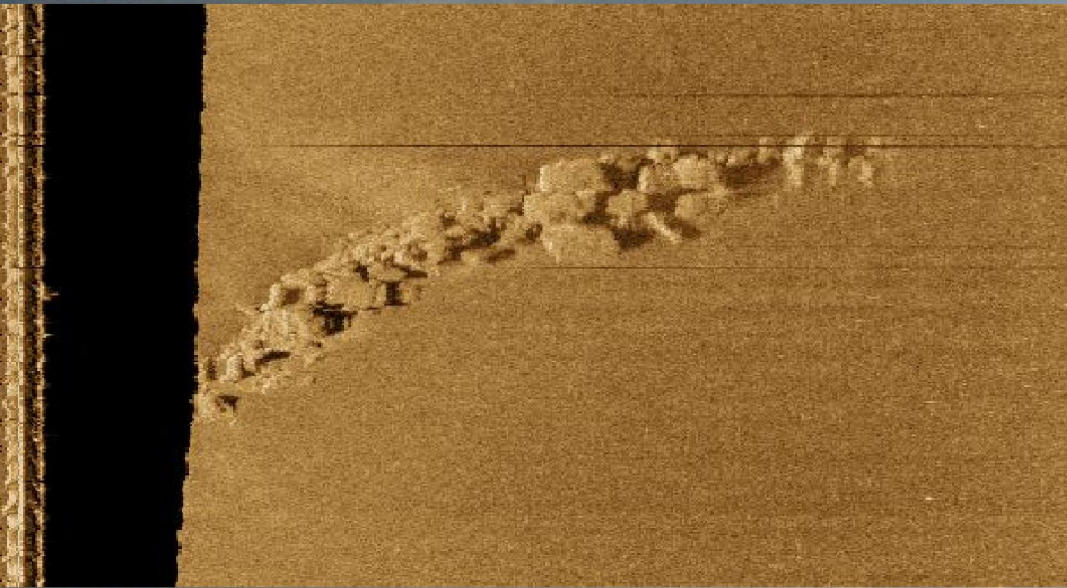
Over 750 targets on a preliminary level of processing.

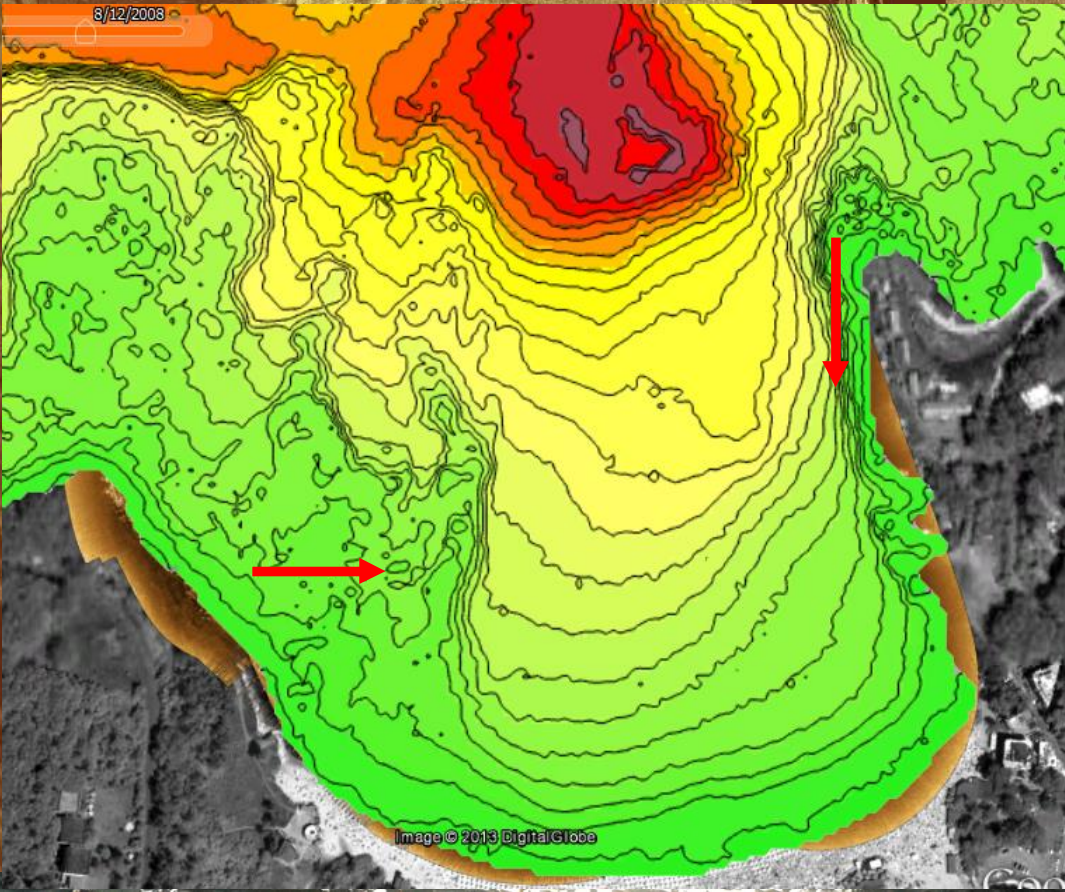
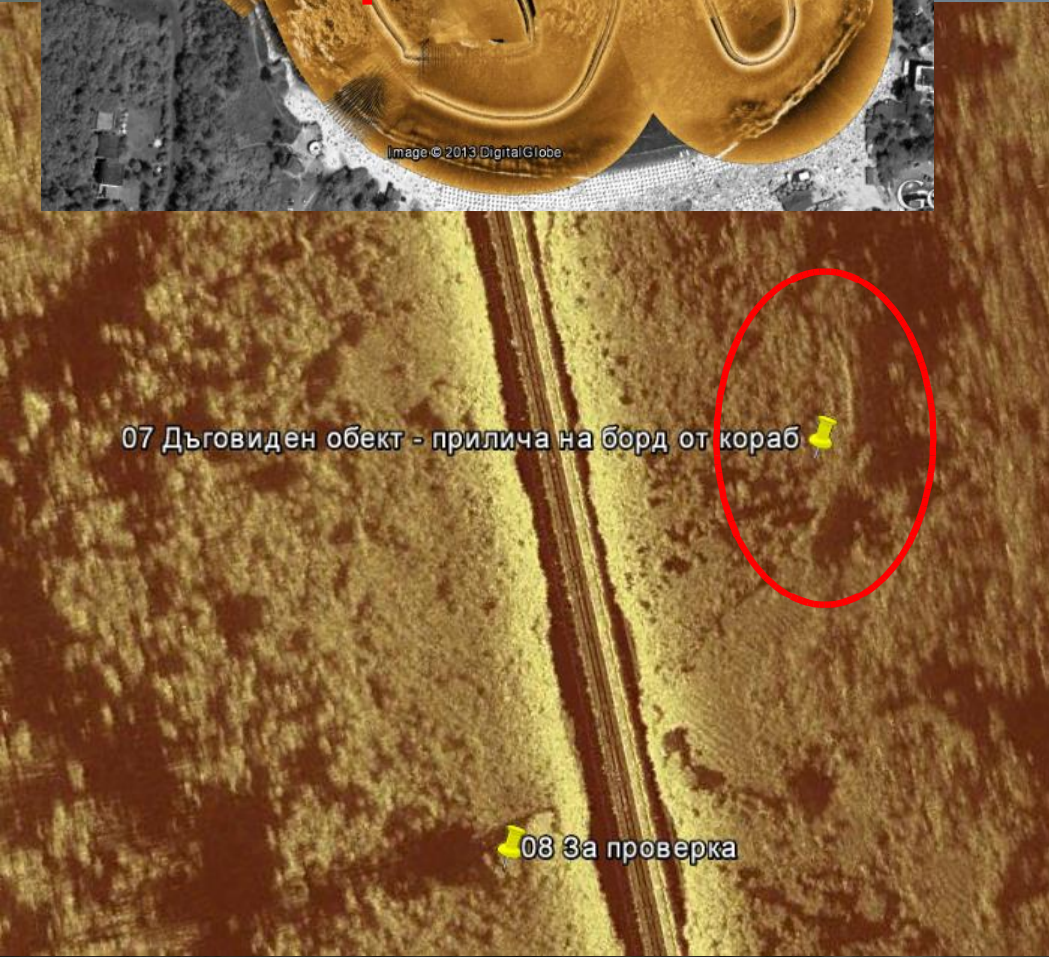
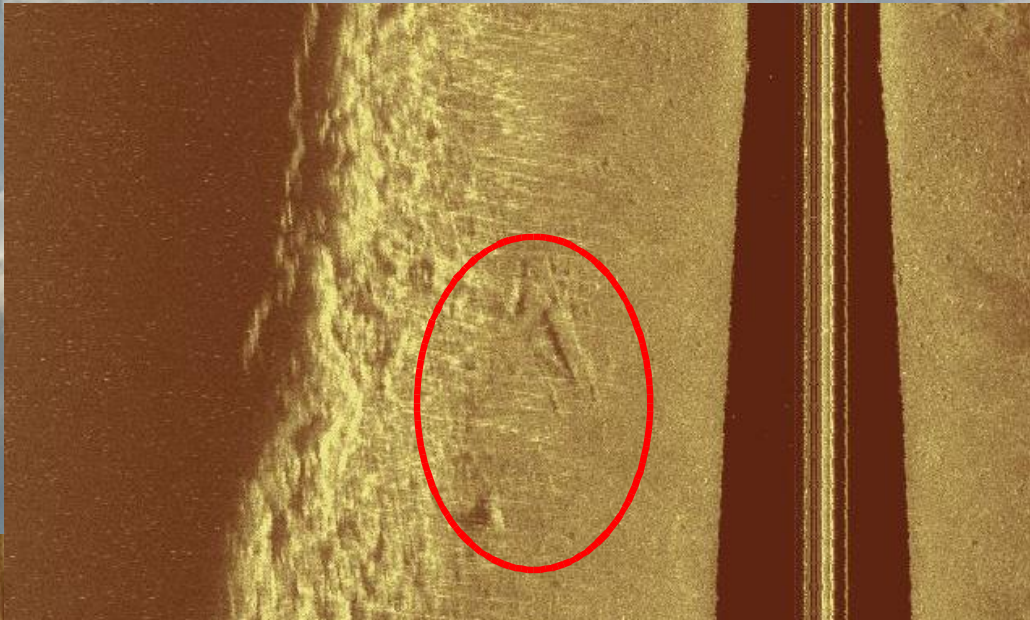
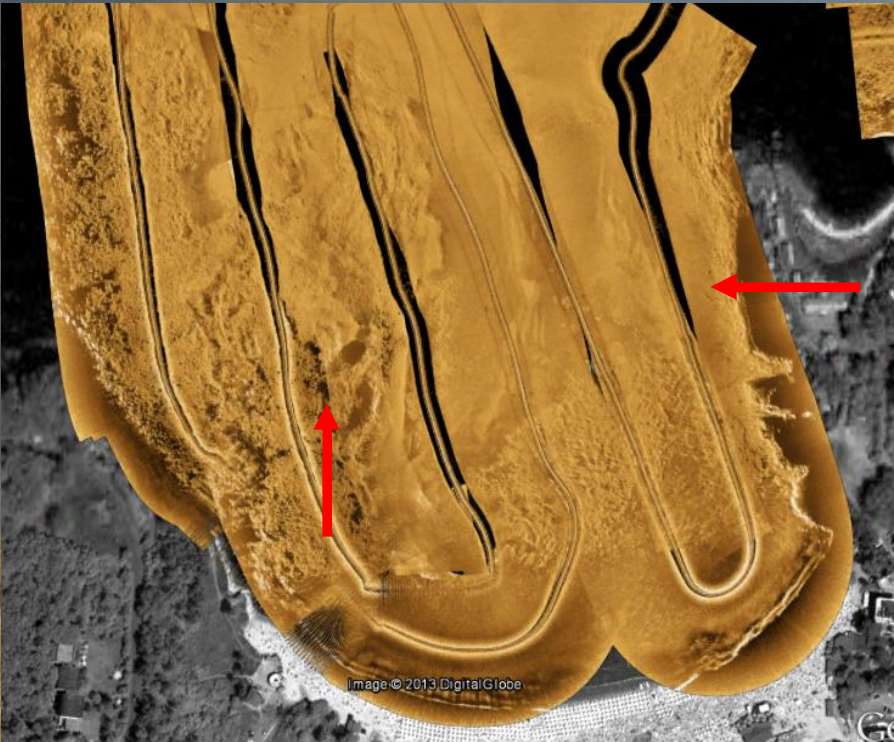


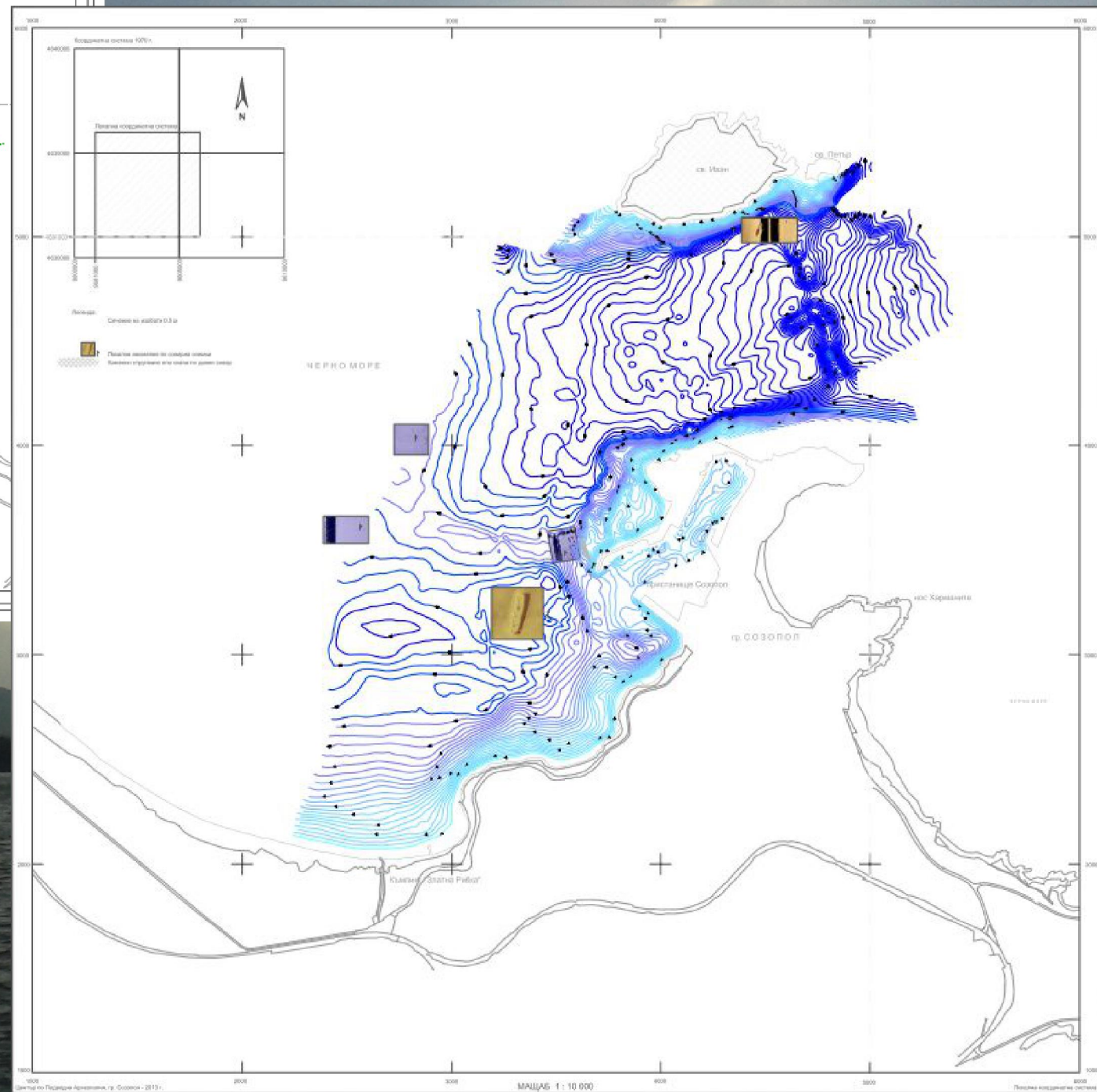
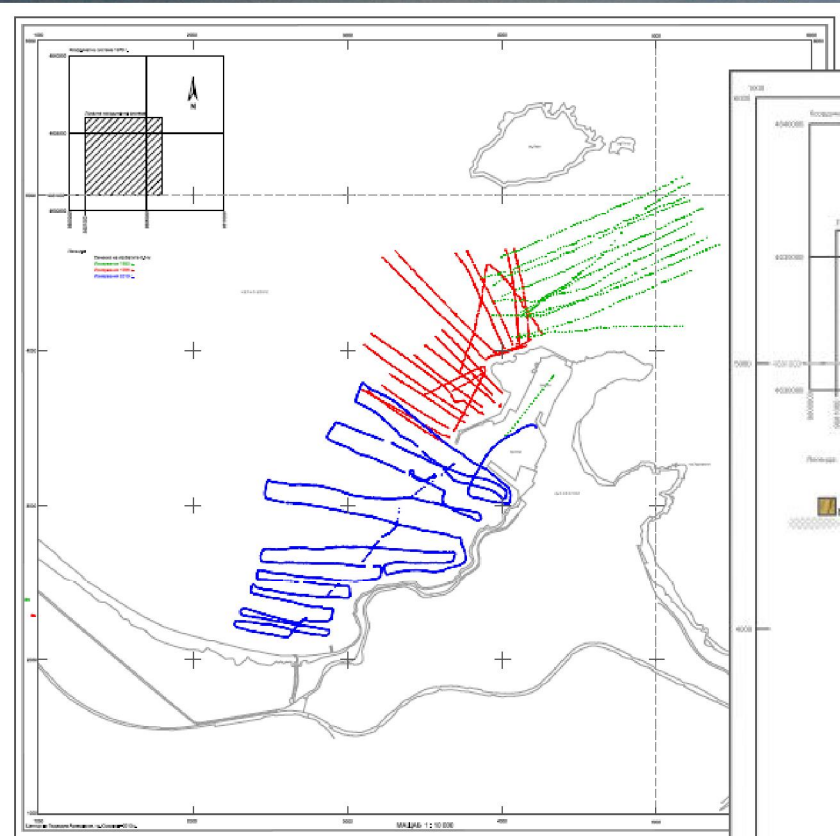
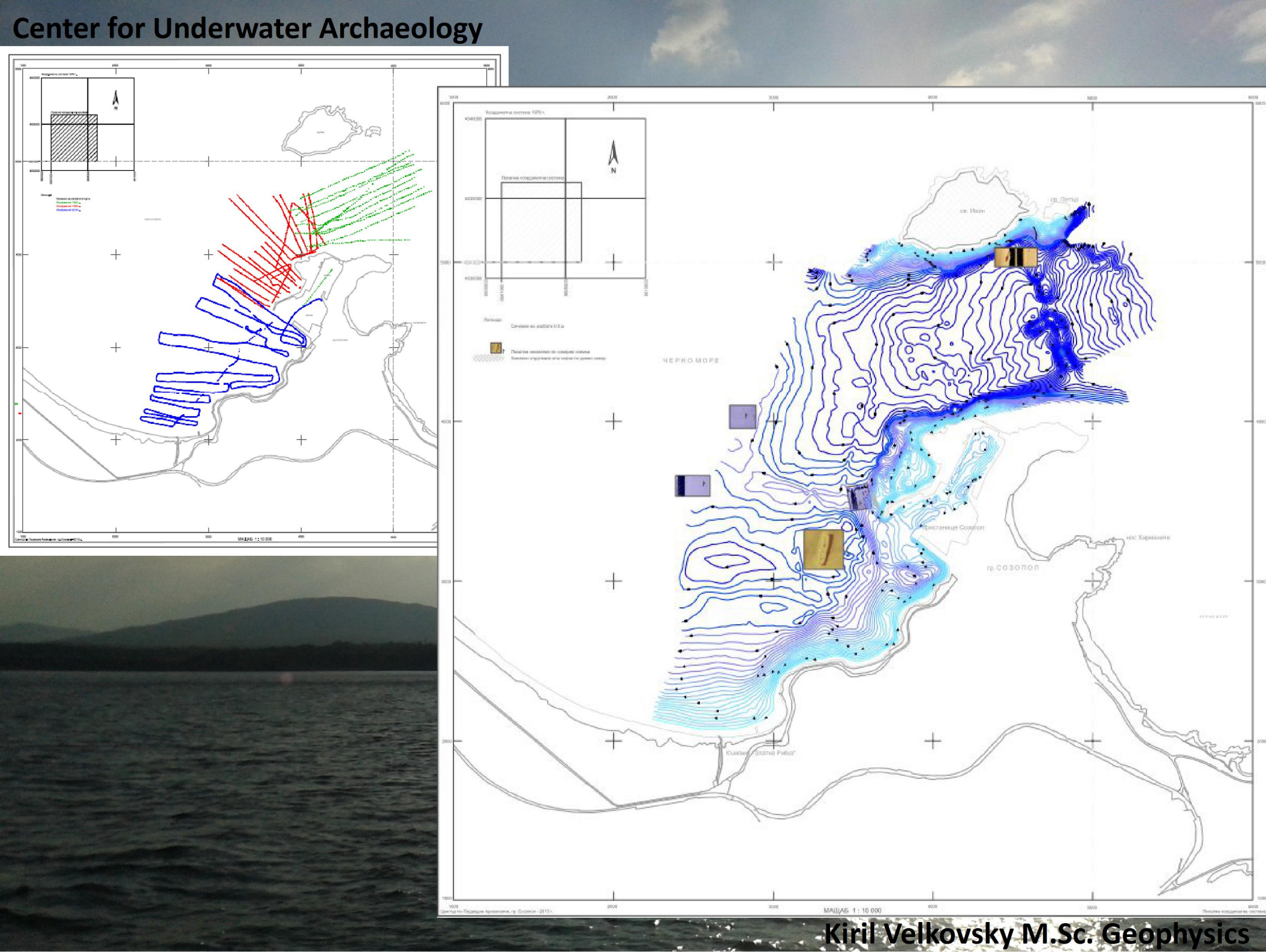
Results side scanning sonar

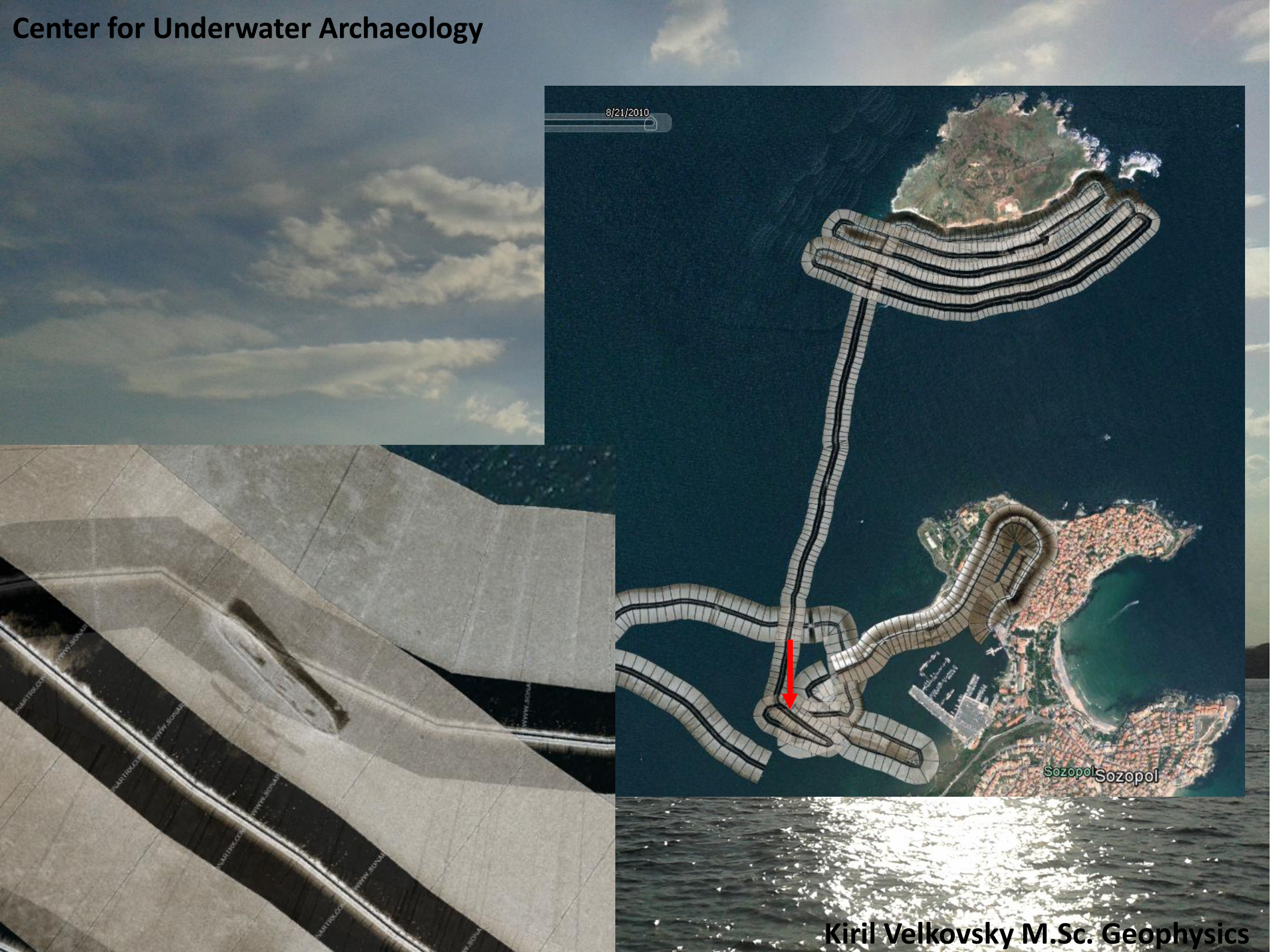












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Thank you!

Kiril Velkovsky