



## Pre-Conference Sightseeing tour

# FRACTURING OF HERACLAY PLATEAU (South-West Crimea): MULTIDISCIPLINARY APPROACH



**Route:** Balaklava Bay – t. Sevastopol

**Data:** July 3, 2018

**Duration:** 4–6 hours

**Cost:** 85\$ / pers.\*, including transportation from t. Sevastopol to Balaklava, cruise on boat from Balaklava Bay to t. Sevastopol, lunch, guide book in English

*\* The final cost of the tour can be changed depending on the number of participants*

**Max/ Min number of participants:** 40/15

**Contact information:**

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# General information:

Geology of the Crimea Peninsula has been studied about two centuries, but there are at least 50 different tectonic schemes. Alternative tectonic models of the Mountain Crimea are predominantly due to insufficient studies of deformations by structural-geomorphological, tectonophysical and geophysical methods.

The Pre-Conference Sightseeing Tour will take place within the Heracley Peninsula in the southwestern part of the Mountain Crimea, which is a separate volcanotectonic block in the suture zone between Scythian plate and the Mountain Crimea. From the southeast the Heracley Plateau is limited to the St. George fault zone, active in the Late Alpine stage, and from the northeast – the Early Cimmerian zone of deep faults. The Upper and Lower structural stages composed the Mountain Crimea structure, and those rocks overlook the daily surface and are available for direct study. Thus, the Heracley Plateau is very important and revealing structure for understanding the Geodynamics of the Mountain Crimea.

During the Pre-Conference Sightseeing Tour, the spatial and temporal patterns of the main types of deformations and stress fields, realized at Meso-Cenozoic time in the coastal zone of the Heracley Plateau will be discussed based on the complex geological, structural and geophysical data and distant method survey.

