

2.1.8. UPDATING THEMATIC DATABASES

(2) 1.8.1. UPDATING THEMATIC DATABASES WITH THE RESULTS OF GEOLOGICAL SURVEYS PERFORMED DURING THE SECOND STAGE

The geological research has followed:

- Regional field investigations within INSTEC-NORD perimeter and south Gurghiu area, where ca. 200 rock sampling and complex geological and tectonic observations have been performed.
- Detailed field geological investigation within Ciomadul and Persani areas, where new geological maps have been realized. The new achievements will be published in ISI journals.
- Laboratory investigation for petrographical observations of the selected collected samples. Initiation the geochemical data base. Initiation the evaluation of the existing K/Ar data.

(2) 1.8.2. UPDATING THEMATIC DATABASES WITH THE RESULTS OF GEOPHYSICAL SURVEYS AND ROCK-PHYSICS PROPERTIES DETERMINATIONS PERFORMED DURING THE SECOND STAGE

During the second stage of the project, geophysical research has developed into two main directions:

- regional investigations within INSTEC-SUD perimeter;
- detailed investigations within CIOMADUL and PERSANI sub-perimeters

As a consequence of the activities performed in the above-mentioned specific areas of the project, the results may be summarized as follows:

TOPOGRAPHIC DATA

- finalization of the digital terrain model for the whole INSTEC area
- outline of the working areas corresponding to various stages of the project accomplishment

GRAVITY DATA

- regional-scale gravity observations within the INSTEC-SUD area
- local gravity survey within CIOMADUL sub-perimeter
- local gravity survey within PERSANI sub-perimeter

GEOMAGNETIC DATA

- field geomagnetic observations (total intensity scalar of the geomagnetic field) within INSTEC-SUD perimeter
- field geomagnetic observations (total intensity scalar of the geomagnetic field) within CIOMADUL sub-perimeter;
- field geomagnetic observations (total intensity scalar of the geomagnetic field) within PERSANI sub-perimeter

ROCK PHYSICS DATA

- density determinations on previously collected rock samples
- density determinations on rock samples collected during 2014 field campaigns