

SATELLITE DATA AND AERIAL PHOTOGRAPHS ON ENVIRONMENTAL MONITORING

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ABSTRACT:

In this paper, we at first refer to environment and the factors that influence it. Photogrammetric and remote sensing methods, that can contribute to the study of environmental subjects, follow. The significance of environment justifies the parallel to remote sensing use of photogrammetry, for its study. Finally, we present examples of our projects, relevant to the use of photogrammetric and remote sensing methods on the study of environmental subjects.

These examples concern environmental subjects of urban areas, drainage networks and areas of particular natural beauty. They particularly correspond to the following Greek areas:

- i) the city of Thessaloniki with its wide surroundings (aerial photographs, Spot and Ikonos satellite data)
- ii) Aheloos river (aerial photographs, Landsat and Spot satellite data) and torrents of Kassandra peninsula (aerial photographs, Ikonos satellite data)
- iii) Zagori in Epirus, an extensive area of particular natural beauty that includes mountainous traditional settlements-villages (Landsat and Spot satellite data).