FOREST RESEARCH and MANAGEMENT INSTITUTE

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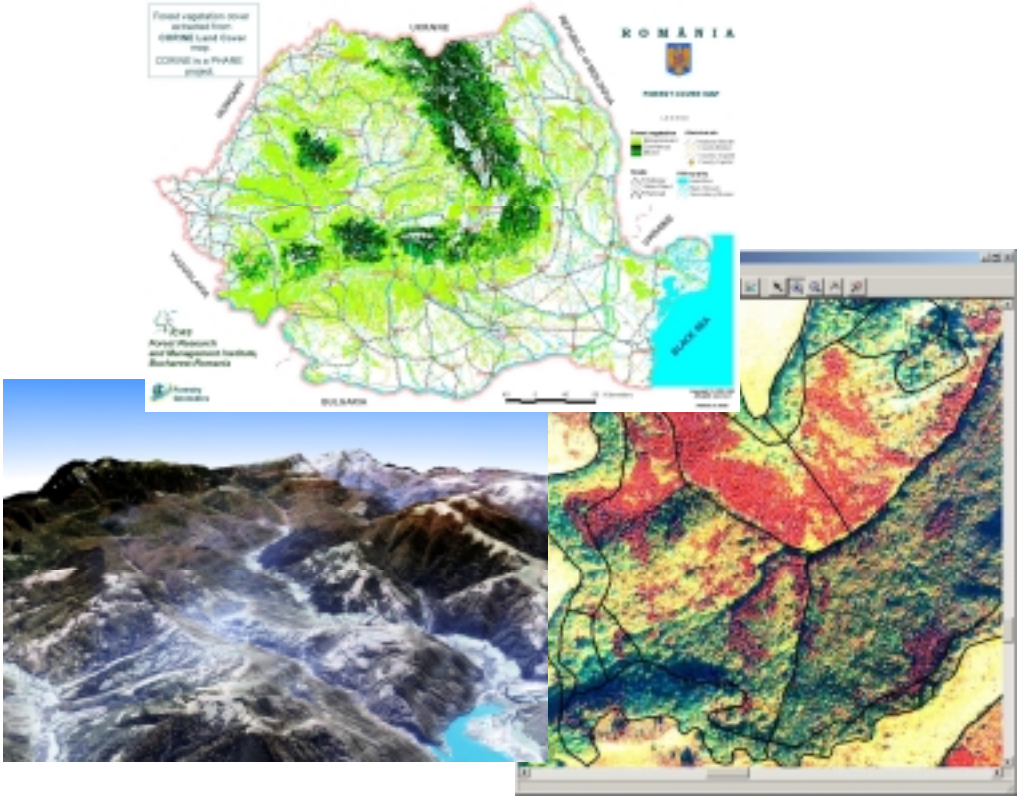
The Forest Research and Management Institute (ICAS), established in 1933 is the main national public institution, specialized in scientific research and planning in forestry and implementation of new technologies to provide for a sustainable management of the Romanian public or private forests. The Institute cooperates with the major international organizations like IUFRO (International Union of Forest Research Organizations), EFI (European Forest Institute), IPGRI (International Plant Genetic Resources Institute), EARSeL (European Association of Remote Sensing Laboratories). At national level, ICAS is an excellency center in environment protection. Also, it is the main manager of scientific and technical information on forestry. It has a strong experimental basis, distributed all-over the country, modern equipment and highly educated and specialized staff, certified at national and international levels. Among different fields such as: Forest Ecology, Forest Ecophysiology, Forest Pedology and Stations, Forest Genetics, Forest Management, Forestry Techniques, Forest Protection, Game Biology and Management and Fish Breeding, etc. there is forestry geomatics.

FORESTRY GEOMATICS

The Forest Research and Management Institute started its GIS and Remote Sensing activity in 1995, activity that has greatly developed in the last years. Now-days in this activity are involved 12 people.

The main activities, at a glance, are:

- Geo-database building to support forest management workout, mainly, but also for other purposes;
- Exploitation of geo-databases such as GIS analyses, digital and hardcopy maps, digital terrain models (DTM) building and exploitation, etc;
- Satellite imagery processing, including very high spatial resolution imagery, analysing and interpretation for different aims,;
- Computer assisted visual interpretation for forestry, environment and others purposes;
- Earth observation data integration with vectorial geo-databases for forestry and others objectives.



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