



ABSTRACTS

16. Dan VELE, Ioan STOIAN, Vasile NACU: *INFORMATION SYSTEM FOR MONITORING CLIMATE CHANGE*

The proposed system represents an integrated and complex information system by creating a support - the digital map - in which the environmental information is represented spatially, overlapping cadastral data, data on the underground with the specification of the geomorphological structure and the geological resources, data concerning the potential of the land by pedological soil mapping, ambient environment, data about climate, hydrography, etc., which allows an impact analysis of disruptive climate factors, soil pollution factors, water, air pollution, allows the economic evaluation of resources in order to eradicate poverty, create opportunities for development, create jobs and encouraging development initiatives of the local economy, and correlated with social data and information, the system can establish through a specific zoning the vulnerabilities to discrimination concerning the equality of opportunities, access to education, health insurance, or fight against poverty.

The creation of an information system on the GIS platform based on the digital cadastral map, specialized in spatial analysis of data and information on climate change monitoring for a pilot area, and integration into a rural center for sustainable development in order to involve the inhabitants in the process of diminishing the effects of natural disasters aimed to achieve the following results:

- making the updated digital map of the area;
- the implementation of the information system for monitoring climate change;
- creating an interface between the computer system and users, allowing active participation in the collection of meteorological data and information, their introduction into the system and processing them with specialized programs.

Organisers



Partners

