

Geographic Information Systems and their Application (CECIIS)

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ABSTRACT:

Geographic Information Systems represent a collection of computer-based tools for organizing information from various data sources to design and examine changes on Earth. Designed to capture, store, manage, analyze, and visualize all types of geographic data, it also allows the integration and collective analysis of geospatial data from multiple sources, including satellite imagery, GPS recordings, and space-related text attributes.[1]

The study highlights that GIS had an extensive and inseparable extension in different sectors.

The Albanian Institution of State Authority for Geospatial Information (ASIG) is established according to law no. 72/2012 "On the organization and functioning of the national infrastructure of geospatial data in the Republic of Albania." [2]

Platforms built on GIS technology, even though they have contributed in functional and immediate solutions to delicate issues, when used by experts in the field, serve as a source of information even for students or passionate non-professionals.

As it is understood from our daily life, especially in location, GIS systems are becoming more and more necessary.

The process of detecting and monitoring the physical characteristics of an area is called Remote Sensing [3]. It enables that through active satellites advancing day by day, one can determine our position in an increasingly fast time.

On the other hand, one of the institutions I consider necessary to use GIS technology, especially in our country, is the Cadastre, knowing that all work in its units is based on maps.

This material is also accompanied by a questionnaire addressed to our peers to understand how much they know about this new technology and what their opinion is about it.

References

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