



TODAY'S YOUNG PEOPLE TOMORROW'S ENTREPRENEURS
2019-1-TR01-KA229-076851_4

EXPERIMENTAL COMPETITION

Essay contest: *Carry Your Idea to the Future*

Name: **Geo Informatics Solutions**

Italian winner: **EMANUELE TAVERNITI**

Slogan: **GIS & More**

Logo: _____



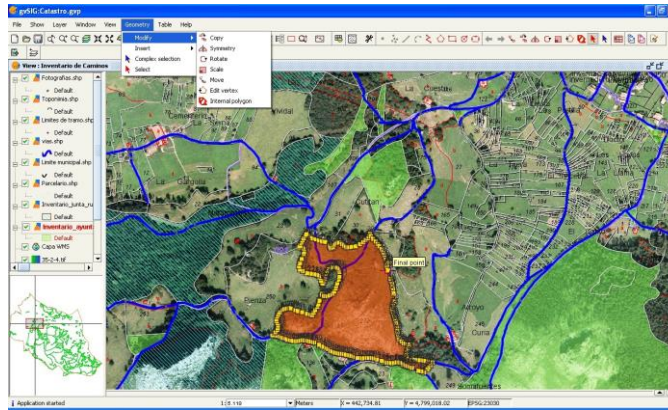
Website: **www.geoinformatics.com**

Description: according to my skills and in response to my area needs, I would set up an informatics enterprise.

Context: nowadays, Computer Science is highly profitable but, at the same time, there are a lot of people that want to work in this field. Thus it is really important to specialize in a specific sector.

Technical features: I have identified is the GIS, which stands for *Geographic Information System*. A Geographic Information System (GIS) is a system designed to capture, store, manipulate, analyze and present spatial or geographic data. GIS applications are tools that allow users to create interactive queries (specific searches), analyze spatial information, edit data in maps, and present the results of all these operations. Since the

mid-1980s,
become valuable tools
regional planning

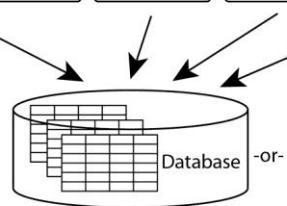
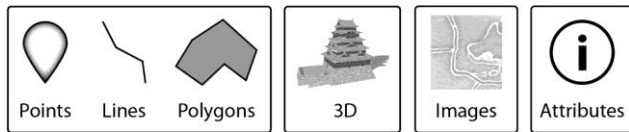


GIS is based on a
made of points, lines
informations based on
the visible part: a

geographic information systems have
used to support a variety of city and
functions.

collection of layers. The first layer is
and polygons. The second includes 3D
spatial characteristics. The third is
satellite picture which helps to have

a better view.



Renderer



Map Image

Map Server



Fields of appliance: GIS is really useful in a lot of contexts. It could be used into the Public Administration to have a global view of citizens that pay taxes. For example, if municipal employees insert into a database the water usage for macro-areas, thanks to GIS it would be easier to identify who does not pay bills. The same system can be used for electricity supply, and it can be even more accurate. In big cities, GIS can be used to examine criminal rate, GDP, pollution, weather conditions related, traffic, health conditions, birth rate, etc.

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