

Title: Analysis and visualization of urban spatial data

(The integration of remote sensing and GIS technology for urban planning and sustainability)

Name: FS-UMI
Stanford UNIVERSITY MOULAY ISMAIL- FACULTY OF SCIENCE, **B.P. 11201 Zitoune Meknès, Maroc**

In recent years, urban areas have dramatically increased. Hence, there is a significant interest for improving efficiency of urban planning in most developed countries. The wide world, is experiencing a rapid urbanization rate. Which urban growth contributes many advantages in terms of economics; if is uncontrolled, it would produce negative consequences to the physical, social and natural environment. As a matter of fact, it requires an analysis process and visualization from various perspectives in order to handle, manage, manipulate, and supervise the enormous flux of spatial data. In order to achieve that, the integration of remote sensing and GIS technology in improving urban planning has become the most reliable approach. It has provided much clearer understanding of real planning problems as well as prescriptive planning scenarios to enhance the quality of urban planning and Land management. It offers a solution to the urban problems and decision-making, to obtain a sustainable city.

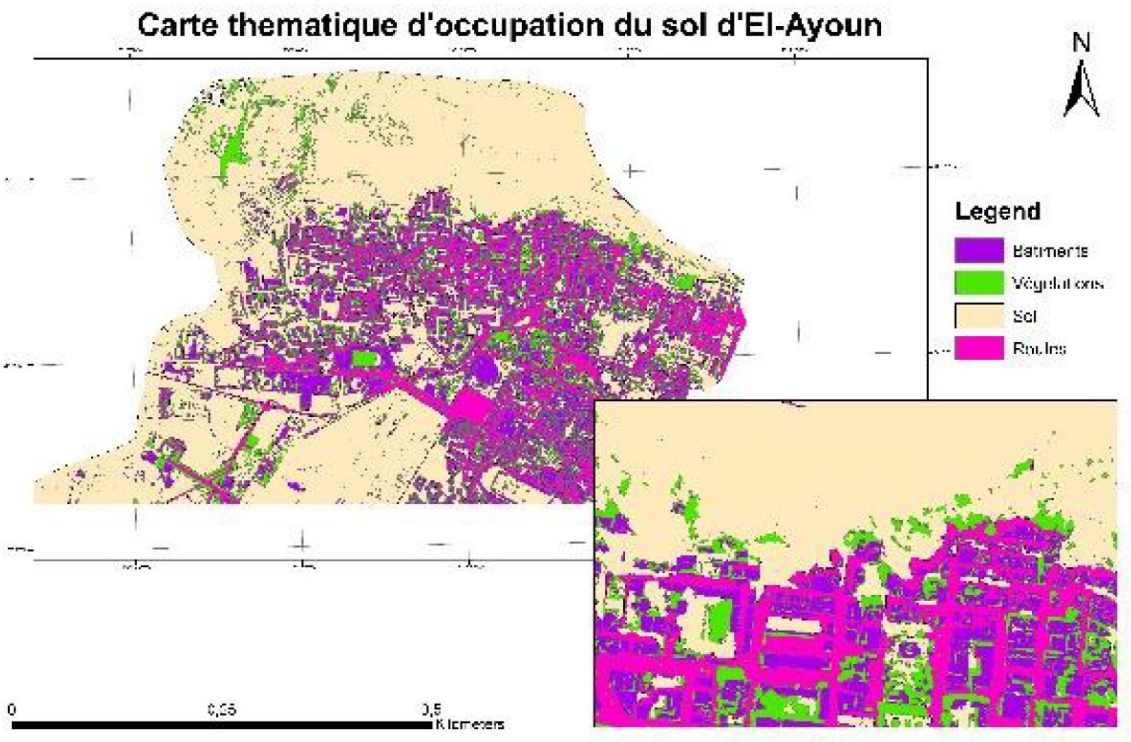


Figure 1 : Thematic map of land use (development plan map)

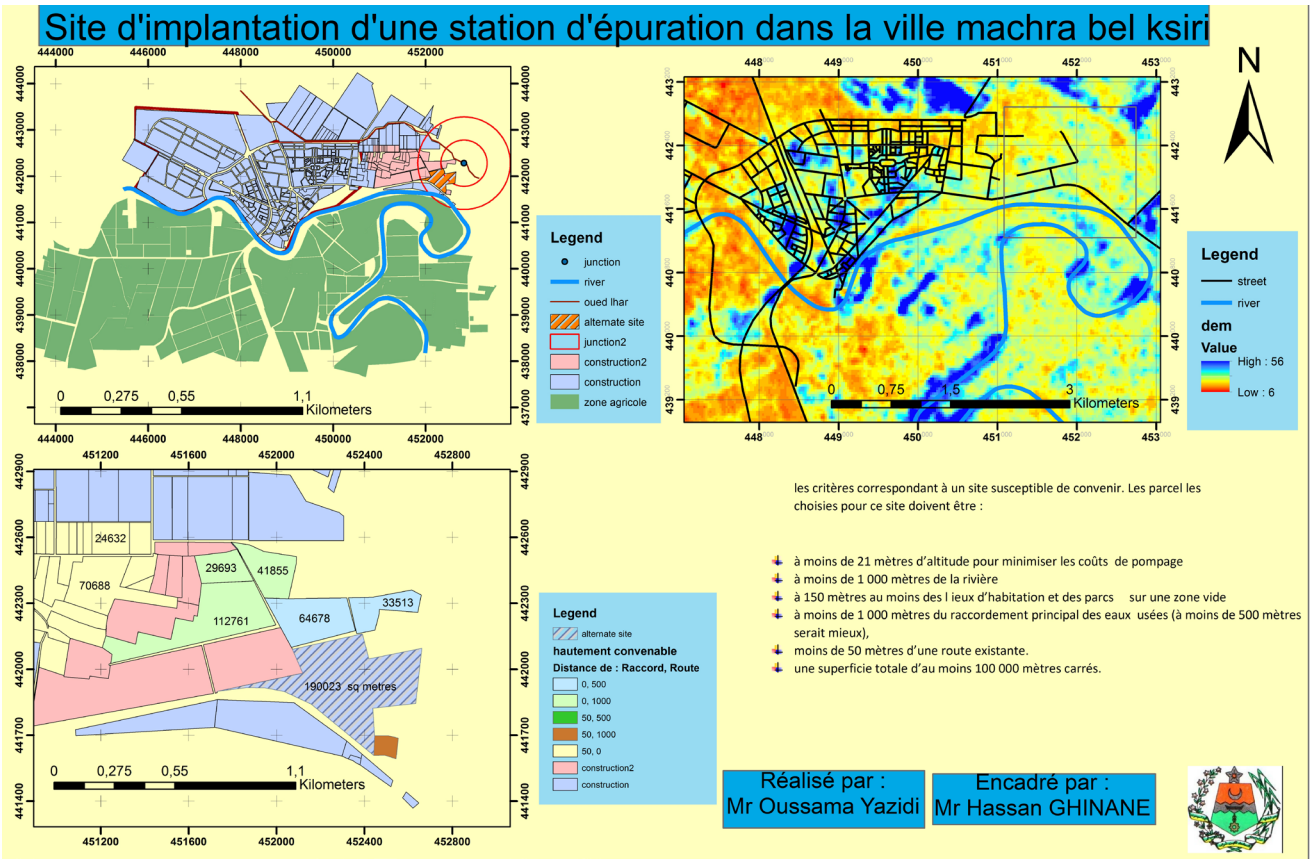


Figure 2 : Waste-water treatment station (decision making)

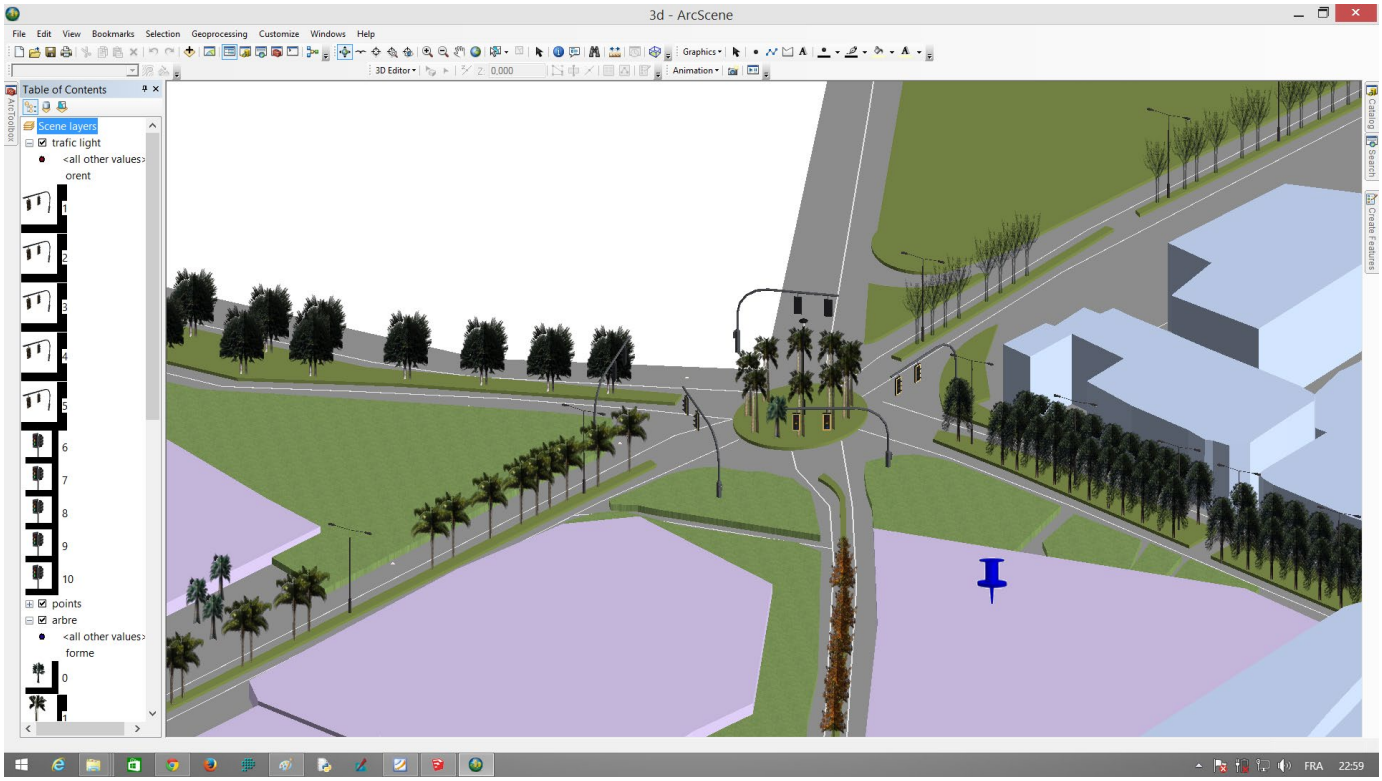


Figure 3: 3D view provided by ArcScene based on 2D spatial data and non spatial data

Note: Images are from old projects that i have made during my studies.

Biography:

Oussama Yazidi is a Phd student At the faculty of science moulay ismail, Meknes Morocco, he is in the first year his Thesis title " analysis and visualization of urban spatial data. He has a master degree in GIS and Land management, and he is currently the company manager of " IVAGIST " Standfor intelligente various application of geographic information systeme.

Full name: Yazidi Oussama
Contact number: +212613797467
Twitter account: IVAGIST1
Linked In account: oussama-yazidi-b3b2a39a/
Session name/ number:
Category: poster
Mail id: ivagist.sarl@gmail.com