

Nov 2nd, 9:00 AM - Nov 3rd, 5:00 PM

# Techniques and Methods of Spatial Data Creation for National Address System in Albania

Arbi Shehu

ALUIZNI – General Directorate, arbishehu@gmail.com

Follow this and additional works at: <https://knowledgecenter.ubt-uni.net/conference>



Part of the [Architecture Commons](#)

---

## Recommended Citation

Shehu, Arbi, "Techniques and Methods of Spatial Data Creation for National Address System in Albania" (2012). *UBT International Conference*. 29.

<https://knowledgecenter.ubt-uni.net/conference/2012/all-events/29>

This Event is brought to you for free and open access by the Publication and Journals at UBT Knowledge Center. It has been accepted for inclusion in UBT International Conference by an authorized administrator of UBT Knowledge Center. For more information, please contact [knowledge.center@ubt-uni.net](mailto:knowledge.center@ubt-uni.net).

# “Techniques and Methods of Spatial Data Creation for National Address System in Albania”

Ph.D. Cand. Arbi SHEHU<sup>1</sup>

<sup>1</sup>ALUIZNI – General Directorate, Tirana, Albania,  
arbishehu@gmail.com

**Abstract.** *The creation of the National Address System in Albania has passed several crucial stages which are characterized in several groups from which it worth mention the creation of legal base, collection of data, the creation of spatial data, GIS application and geodatabase construction, etc.*

*The main part of this process is characterized by the creation of the spatial data through digital techniques and methods. These techniques were implemented through the use of AutoCAD Map and ArcGIS software, using a specific methodology for this process. In this paper it is involved the process of digitizing from orthophotos, identifying streets, buildings and other areas of public spaces, naming streets, numbering buildings and constructing the databases for these spatial data.*

*These data after being succumbed to the specific topology have been transformed to a specific format for web-based GIS application of the Address National System for Albania. This system currently represents the most updated geospatial data grouping for use in various fields such as planning and urban design, spatial analysis or use in GIS-based alternative systems.*

**Key Words:** *City Planning, Address System, CAD, GIS, Albania.*