

# **Investigation of the Spatial Address Recording System (SARS) Project Process to Be Base the Urban Information System (uis)**

**Fanise Uslu, S. Savas Durduran and Asli Bozdog (Turkey)**

**Key words:** Land management; Spatial planning; UIS, SARS, land management, planning

## **SUMMARY**

Urban Information System (UIS), is an urban-based application of geographic information systems designed to address the planning, infrastructure, engineering, basic services and administrative information required for the fulfillment of urban activities in a fast and sound manner. The address components have an important place in for consist of sustainability (UIS). Especially address data carries great importance for population censuses, in health, education and public services, in the planning and implementation of public investments and in the creation and updating of voter registers.

(SARS), in Turkey, was created to integrate address information in textual attributes in the Address Registration System (ARS) with geographical coordinates and integrate it with other systems. With this project, it is aimed to give a spatial dimension to the National Address Database in which all address components in the country are textually managed. Thus, it is desirable to establish a more effective and functional Spatial National Address Database. (SARS) which is the relational database (city, district, neighborhood, road, etc.) is carried out simultaneous in land and office environment. During the land process of the SARS project; is performed of confirmation of data generated in the office, collection, addition, deletion, updating of the attribute information and matching with records in the National Address Database. In the office; is provided realization of numerical design by reaching the integration and the correctness of the data obtained in the field at the expected level. In addition, all of these studies should be updated and should be supervised by the authorities. As a result, the sustainability of the project is; it can be seen that the operation of the plant in the direction of land, office, and administration is possible with a healthy follow-up. In this case, it can be seen that the sustainability of the project is possible with a healthy follow-up of the project process in terms of land, office, and

---

Investigation of the Spatial Address Recording System (SARS) Project Process to Be Base the Urban Information System (uis) (9442)

Fanise Uslu, S. Savas Durduran and Asli Bozdog (Turkey)

FIG Congress 2018

Embracing our smart world where the continents connect: enhancing the geospatial maturity of societies  
Istanbul, Turkey, May 6–11, 2018

administration.

In this study, it is aimed to investigate the process of the (SARS) project in Turkey with the scope of the consumed resources, needed bases, actors involved in the process, and field and office application steps. The problems were investigated related to the preparation, planning and implementation processes of the project and suggestions were developed for sustainable developing the project.

---

Investigation of the Spatial Address Recording System (SARS) Project Process to Be Base the Urban Information System (uis) (9442)  
Fanise Uslu, S. Savas Durduran and Asli Bozdog (Turkey)

FIG Congress 2018  
Embracing our smart world where the continents connect: enhancing the geospatial maturity of societies  
Istanbul, Turkey, May 6–11, 2018