LPIS
Land Parcel Identification System

WHAT IS IT?

Innovative and powerful set of Java-based tools for editing the graphical and descriptive information on usage of agricultural land, combined into an Internet-based system, which covers all aspects of the Land Parcel Identification System - LPIS.
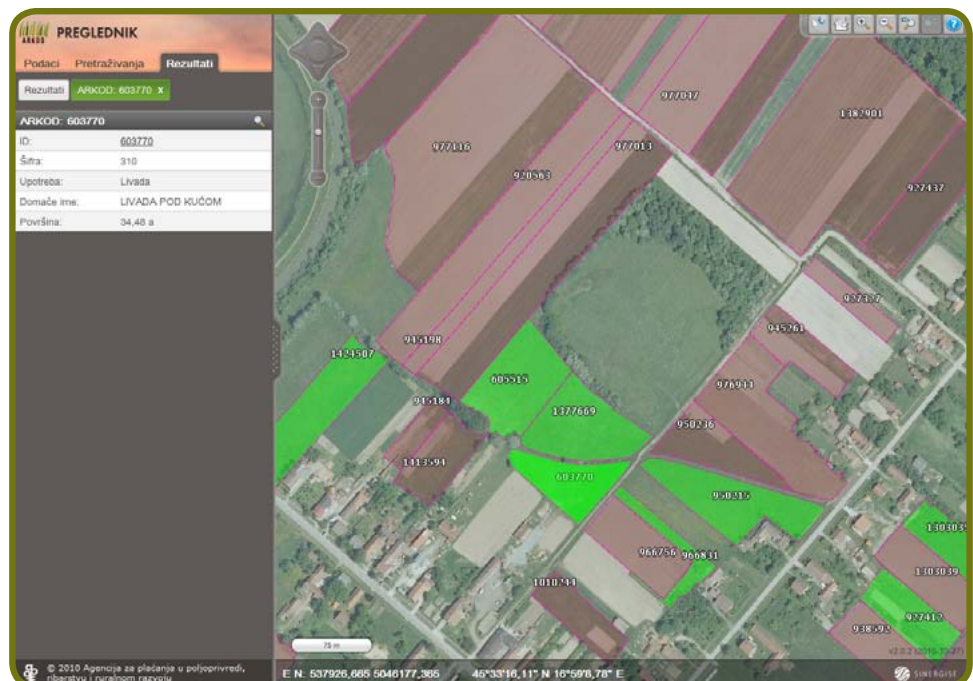
The LPIS system and especially the LPIS database are among the most important parts of IACS (Integrated Administration and Control System) software solutions, allowing accurate calculation of area-based payments as well as providing a means to control farmers' applications and resolve disputes.

Due to the complexity of the task, it was necessary to employ **internet technologies, Oracle spatial database, distributed deployment and modular design** into the system architecture.

BENEFITS

- Data integrity
- Low maintenance and installation effort
- High performance of the central system
- Low bandwidth requirements
- Ease of use

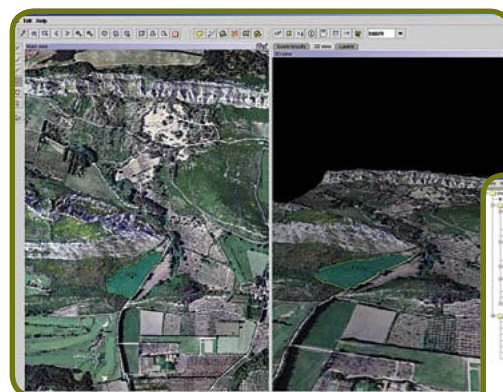**WEB GIS BROWSER, SHOWING LAND PARCELS COLORED ACCORDING TO THEIR LAND USE**
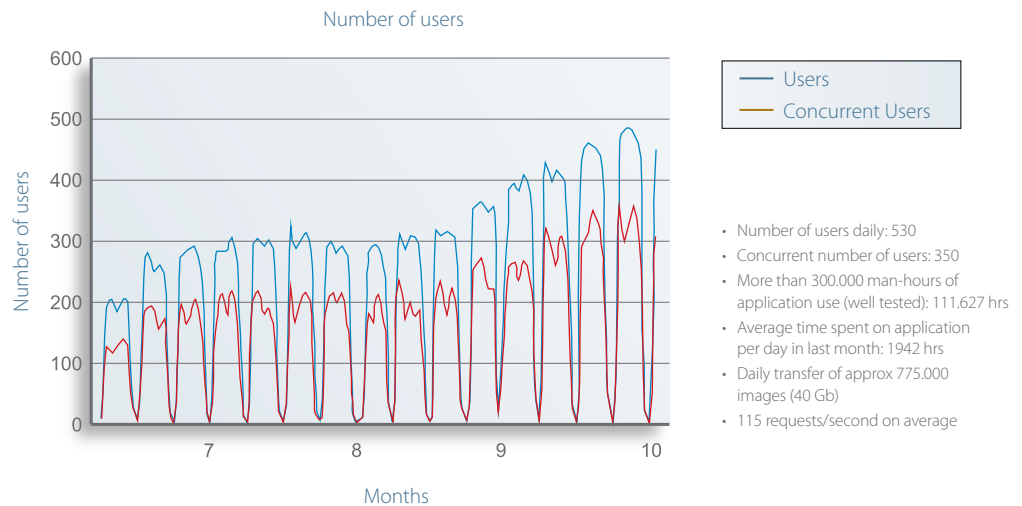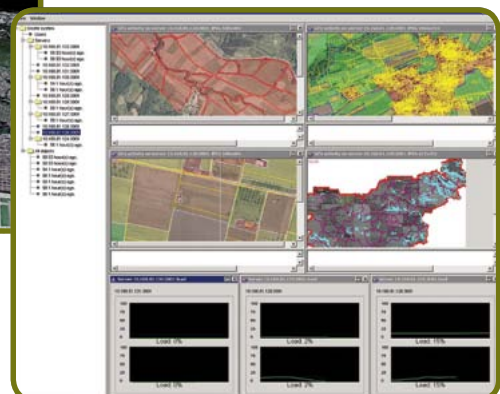
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LPIS IS POSSIBLY ONE OF THE MOST COMPLEX AND EFFECTIVE IACS SUB-SYSTEMS

- Graphical nature of the data and a variety of different data formats involved,
- Distributed nature of the whole operation,
- Large number of users from several hundred offices, simultaneously accessing and updating the data .

CHART: LPIS USAGE STATISTICS FROM SLOVENIA (2006)

Number of users

- Number of users daily: 530
- Concurrent number of users: 350
- More than 300.000 man-hours of application use (well tested): 111.627 hrs
- Average time spent on application per day in last month: 1942 hrs
- Daily transfer of approx 775.000 images (40 Gb)
- 115 requests/second on average

◄ **Users side**

Administrators side ▶