**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**
LPIS
Land Parcel Identification System

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 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