Cadastral Records in Serbian Land Administration

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Introduction

• What is the state of cadastral data in Serbia and the software and data models used?
• What are the user needs?
• What are the benefits of the new approach?
Current software in Serbian cadastre
Data model in Serbia

About 200 DBF files in each municipality

List of changes

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LADM based core model for Serbian cadaster
Relational data model

The solution for translation from the existing data model into a new standard based data model

Developed
Example: Processing real estate folio for the parcel

```java
List.Parcel> parcels = getParcels(number, numidx, cadmun);
for(Parcel p : parcels) {
    try {
        log.info("PROCESSING REAL FOLIO FOR PARCEL " + p.getNumber() +"/" + p.getSubNumber());
        result = processRealFolio(p, cadmun);
        if(result) {
            Auth.getInstance().getConnection().commit();
        } else {
            Auth.getInstance().getConnection().rollback();
            log.error("ERROR PROCESSING REAL FOLIO FOR PARCEL " + p.getNumber() +"/" + p.getSubNumber(), e);
        }
    } catch (Throwable e) {
        e.printStackTrace();
        log.error("ERROR PROCESSING REAL FOLIO FOR PARCEL " + p.getNumber() +"/" + p.getSubNumber(), e);
    }
} catch (Exception e1) {
    e1.printStackTrace();
}
```
The means of dissemination through dedicated Web portal or via Web services.
Conclusion

• Centralized approach in cadastral data management
• Data integrity
  • as opposite of current situation where each municipality is responsible for its own data and errors are common
• Improvement in both accuracy and timeliness

Happier users
“We cannot solve our problems with the same thinking we used when we created them.”

— Albert Einstein

Thank you for your attention!

Questions?