

Data collection and management system for water infrastructure

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Project initial facts - What is water infrastructure?

Rules laying down water infrastructure

Water objects, devices, arrangements – 40 different types

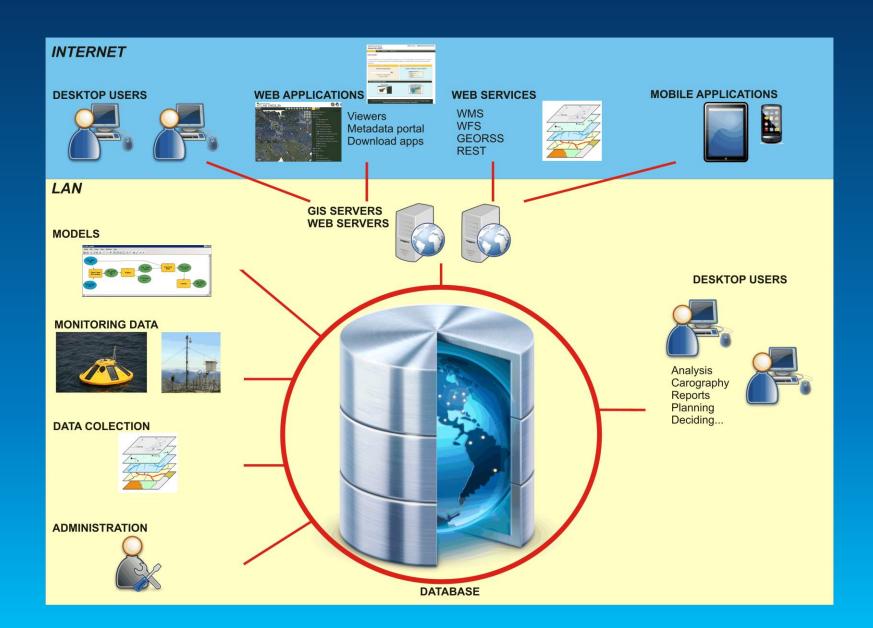
Monitoring stations, docks, dams, embankments, channels,



Project initial facts

- Slovenian Environment Agency is responsible for water management.
- Preparing work programmes for commercial public services in the area of water management, as well as to coordinate and supervise their work related to the oversight and maintenance of water infrastructure,
- Water infrastructure database had been establishing for 20 years
- Evidences which can not be related, poor spatial placement
- Non existing relation with financial database
- Compatibility with INSPIRE

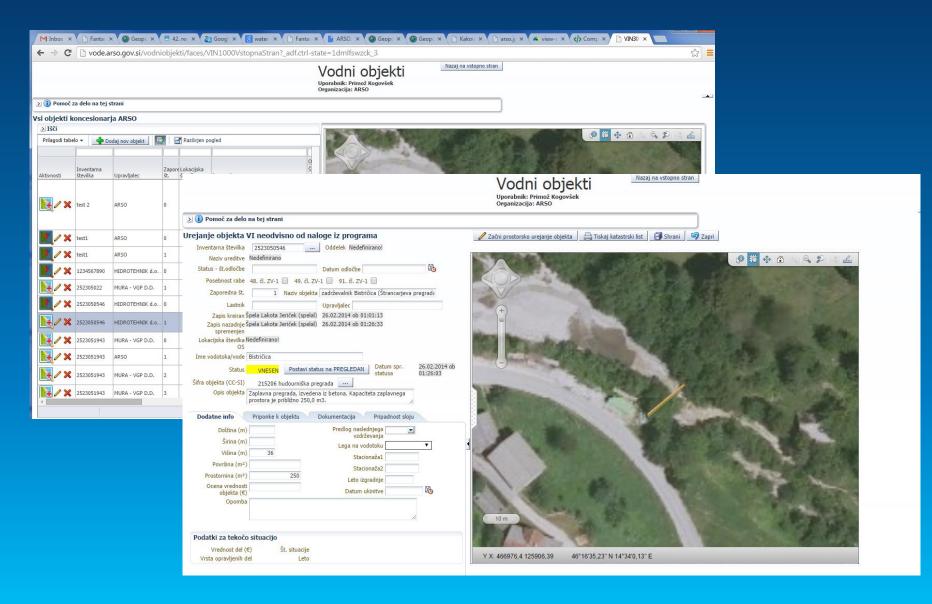
Project initial facts - Existing Spatial data infrastructure



To do list

- Define Data model
- Review existing data and load them in to central database
- Build web application to manage data combined with graphic editor
- Implement application for field mapping and data control
- Collect and review all objects

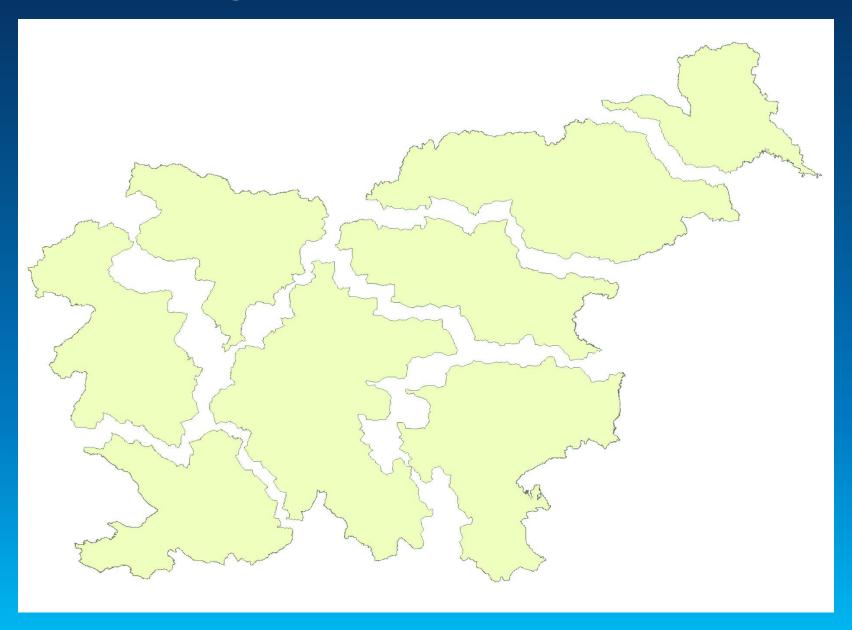
Data collecting plan – web application



Data collecting plan - fieldwork



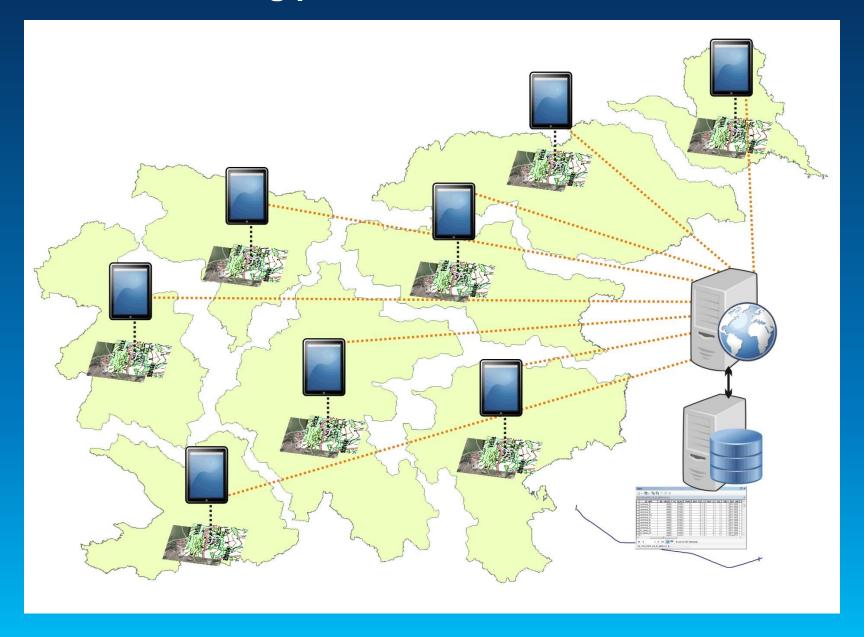
Data collecting plan - fieldwork



Data collecting plan - fieldwork



2. Data collecting plan - fieldwork



Timeline



Demo

Management

- Overlook over infrastructure
- Maintenance planning
- Reducing costs
- Desktop analysis, web applications, public access
- Transparent use of public money
- Covering natural disasters (damage reports)
- Field control of any spatial dataset
- Collecting of new spatial datasets
- Live data processing

Qestions?