



Improved business processes and geodata based asset management for better water supply

What is it about?

Geo Information Systems (GIS) Center of Makerere University is consulting National Water & Sewerage Corporation (NWSC) to introduce GIS based asset management for urban water supply in Uganda. In a first step the business processes are adapted for asset management and improved.

Why an intervention?

In companies and NGOs often the business processes are not well defined, implemented and monitored. If the necessary business processes for the data management are not in place, inaccurate (time, completeness, semantic, spatial accuracy) datasets are captured. Inefficient management of assets or even a company/NGO is the result. In case of NWSC the management decided to adapt and improve the existing processes and workflows before the selection and implementation of asset management software for the water network and static plants.

What does it change?

- In general, better management of geodata and improvement of the data analysis for management of a water utility
- Better potable water supply for the large and smaller towns in Uganda (up to 80 towns in 5 years).

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Experience AT A GLANCE

How does it work?

Training courses on

- GIS (basic and advanced level)
- Remote Sensing (basic and advanced level)
- Geodata management and OGC map-services
- Business processes and work flow development
- Concept development for research
- Advice on personal level

Who are the beneficiaries?

- NWSC employees (direct)
- Population of Ugandan cities and towns
- Other water utilities in EA
- Government institutions and Universities

Who could use that approach?

all NGOs, companies, institutions, agencies

- which work directly or indirectly (ex. Marketing) with geodata
- and want to improve their efficiencies

Who is already using it?

- University Bonn, University Lund
- International companies, ISO 9001 certified companies

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AUSTRIAN ORGANISATION FOR DEVELOPMENT COOPERATION

Sector: Education
Period: 2003 - 2014
Organisation: Makerere University Kampala, Uganda

Further material:
 Training documents, wikis, maps and mind maps

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