



Conception and implementation of a cloud-based platform for generic data analysis and data visualization

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Background

Because of different factors the risk of droughts in the UK increases steadily and there have also been some droughts during the last 40 years which were worse than those that had been used as the basis of planning.

Aims and Objectives

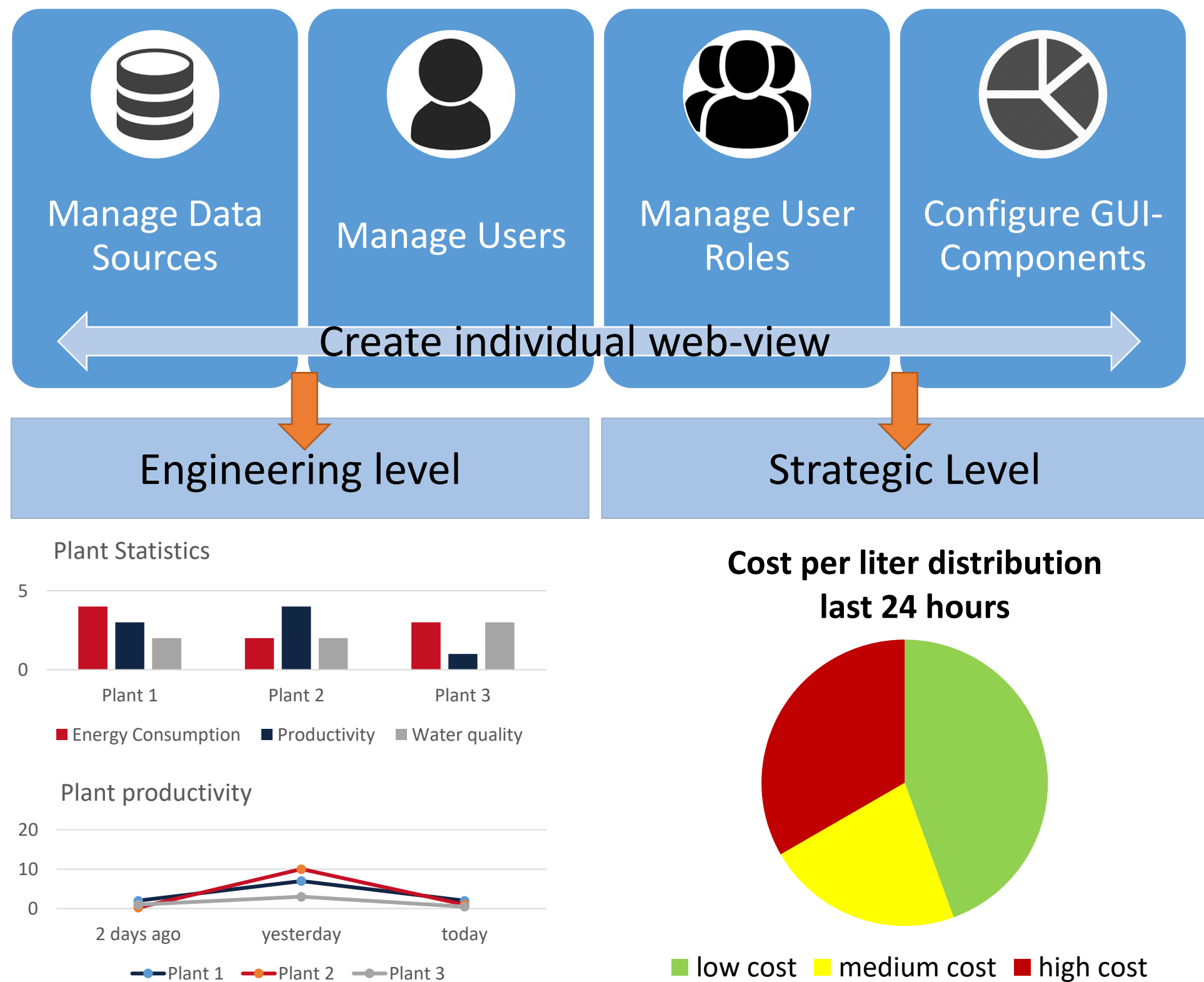
- Improve overall resilience in the WWTP
- Identify relations between different aspects
- Develop a reusable cloud service which is use case independent
- Enable report mechanism for different abstraction levels

Methodology and experimental work

- Data simulation and sample data
- Data models
- Mock-Ups
- User feedback

Basic concepts

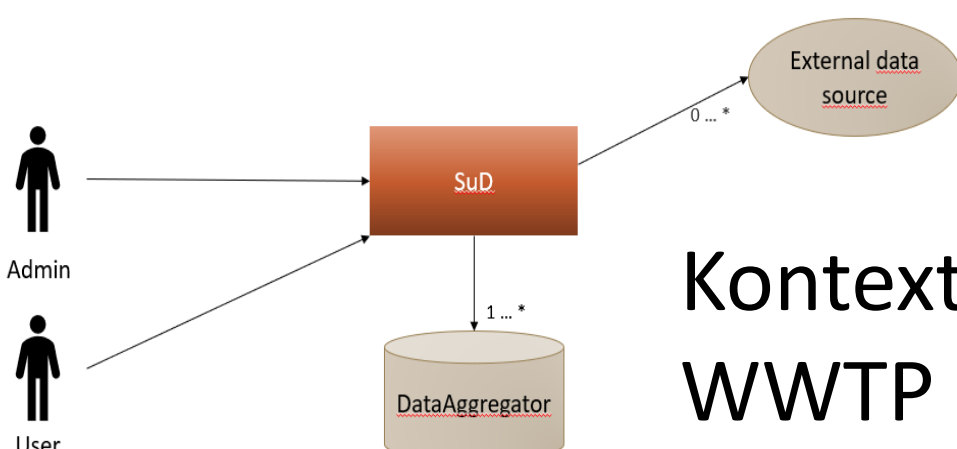
Real-time data
Historical data
Data integration
Data analysis
Data visualization



Future Work and Project Plan

Architecture

- Prototyping
- Feedback
- Implementation



Kontextview
WWTP context

Documentation

- Analyse Feedback
- Write Dissertation
- Summary & Outlook

TODO

Integrate data sources

Deploy to cloud environment

Write dissertation

Implement user management

Poster presentation (24.02.2018)

