

Christian Malewski Wupperverband





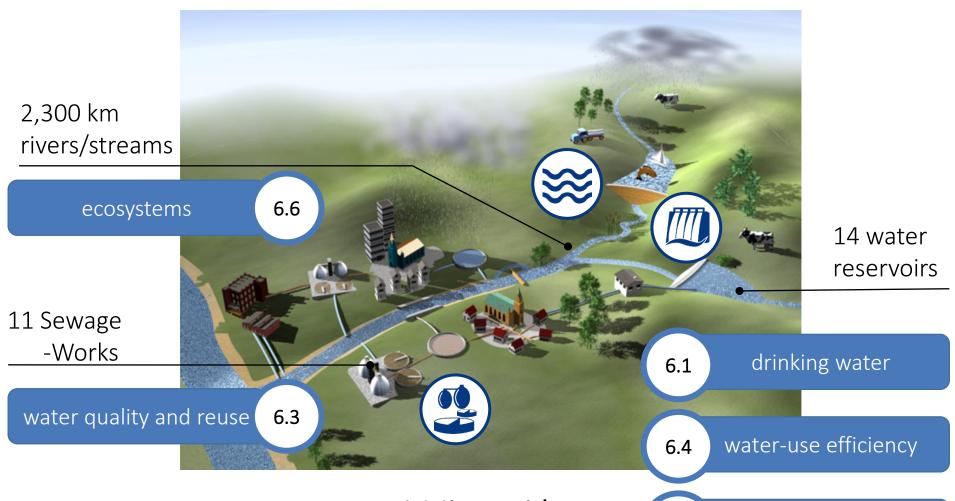




für Wasser, Mensch und Umwelt

The Wupperverband and SDG 6





≈ 1 Mio. residents

6.5 water resource management

Vision:

Digital Twin ≈ 800 km² catchment area





sanitation and hygiene

6.2

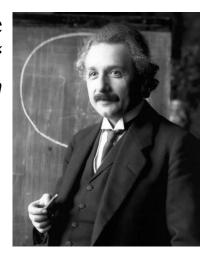
water resource management

Prerequisite 1 research and innovation



"A person who never made a mistake never tried anything new."

Albert Finstein



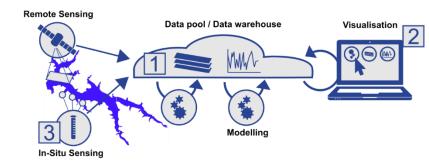
- Space for experimentation
- Certain degree of fault tolerance
- Thinking process and information flows new, rather than copying previous analogue process flows
- Collaboration with research institutions and companies

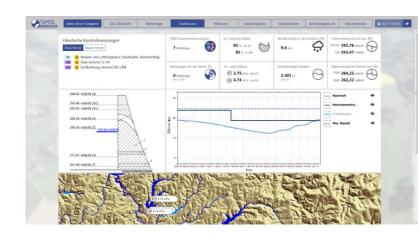
Prerequisite 2

iterative and collaborative development



- Quick realization of low hanging fruits
- Let applications continuously grow
- Serve 80% of use cases, add 20% special cases when operative
- Regular feedback loops with users, institutions and clients
- Visualization





Prerequisite 3 open data communication culture

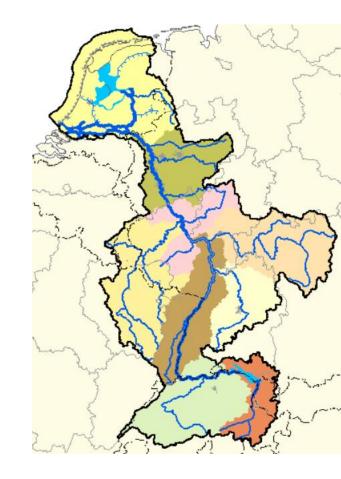


 Usage of fit for purpose <u>standards</u> for data communication





- Ease data share among institutions and administrative boundaries
- Data reuse enhances data quality
- Data security and protection essential for sensitive data



Digitalization opportunities for implementing SDG 6



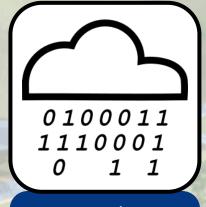


research &

innovation







open data communication culture





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References



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