

UWWT directive hands-on solutions

Implementating a future UWWTD into practice

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Systemic approach





Natural Capital

System based solutions

- Climate proof
- Green infrastructure
- Blue-green cities
- Nature based solutions
- Reduction at source
- Closing cycles
- Water/food link
- Water/energy link

How can we put this in practice?

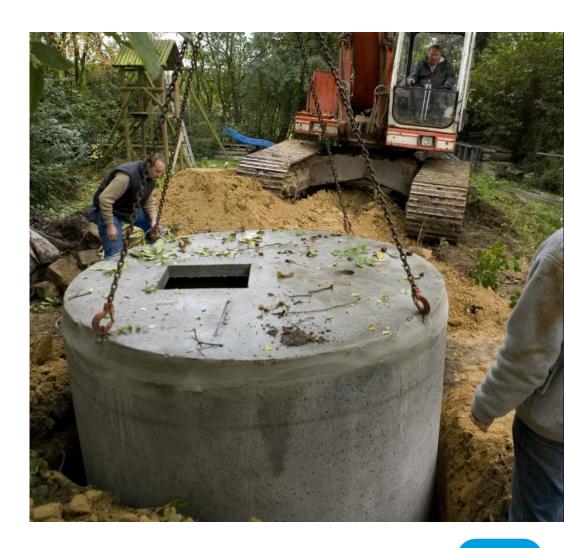


1. Enable innovation: flexibility to think 'out of the box'

• CSO's:

take into account the whole water system Monitoring and control algorithms, IoT

- Micropollutants:
 catchment scale modelling and LCA
- Energy: consider total GHG emissions

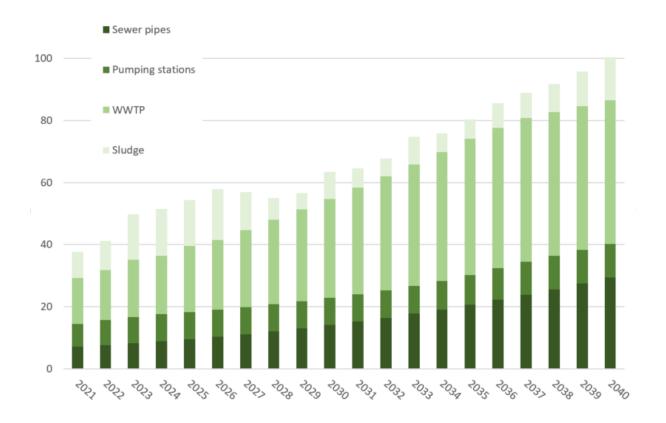


2. Rethink infrastructure

Infrastructure renewal? Or rethinking it?

Giant opportunities to close circles

E.g. sludge infrastructure Aquafin:







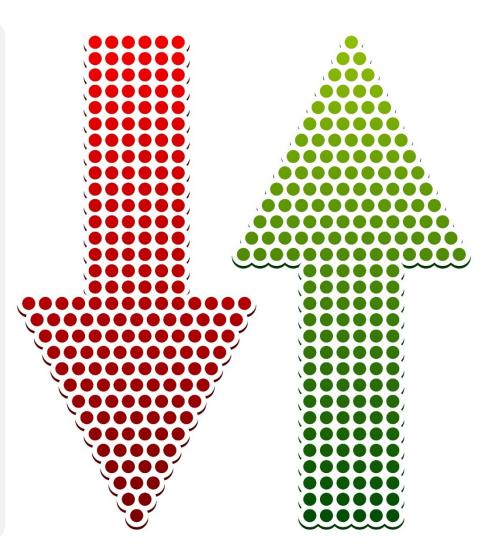


3. One size Local customization fits all: from top down to bottom up



Centralized investment program











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Blue green

Mobility

Recreation

Energy

3. One size Local customization fits all: from top down to bottom up







flexibility to think "out of the box"

Asset management renewal

⇒ Rethink infrastructure

One size Local customization fits all