







## **Measurement campaigns**

- Iterative approach
  - · Increase reliability and efficiency of follow-up campaigns
  - Allows for changing experimental set-up
- Measurement campaigns:
  - · Small-scale initial campaign at inlet of WWTP
    - September 2016
  - Two follow-up full scale campaigns
    - Spring / summer 2017
    - Spring / summer 2018

# Validation of water quality monitoring methodology

- Available equipment and methodology:
  - Automated monitoring stations and sensors
  - Maintenance protocol for online measurements (inlet WWTP)
    Alferes et al. (2014)
    - Plana (2015)
  - Data treatment (univariate time series analysis)
    Alferes et al. (2014)

### • But:

- New case study
- New environmental conditions
- Validation of online water quality monitoring methodology?

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# M&M: Automated monitoring stations (I)



• Vision by Rieger and Vanrolleghem (2008) features flexibility:

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- Compact set-up
- Sensors used







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