

Scenario Analysis for the World Water Quality Assessment

Nynke Hofstra, nynke.hofstra@wur.nl

Martina Flörke, Ilona Bärlund, Lex Bouwman

27 January 2021



Motivation

- Full world water quality assessment due November 2023
- Contents of assessment (according to UN Water):
 1. Baseline assessment of the state of water quality
 - 2. Scenario analysis of water quality trends to identify dynamic trends over the next 10 to 50 years in water quality**
 3. Assessment and analysis of mitigation options available and
 4. Assessment and analysis of governance approaches
- Currently no water quality scenarios available

Objective

- The objective of this workstream is to develop fast-tracked or 'light' water quality scenarios
 1. Assessment of the long-term future (2050 – 2100)
 2. Assessment of management requirements to achieve SDG 6.3

Plan: to organise two workshops

1. Online workshop from Wageningen (June 2021)

- Database with model input data
- Common understanding of scenario development
- Funding plan
- Community paper on water quality scenario development

2. In person workshop at UFZ in Leipzig (January 2022)

- Documentation on analysis and assessment methods
- Elaborated funding proposal for more in-depth scenarios
- High-impact paper on future water quality

Outcome: fast-tracked or light scenarios for the assessment