9.00 - Registration

9.30 - Welcome & introduction

9.45 - **Session 1 : Source water, recreational water**

- Near-real time monitoring of karstic spring water resources (*Andreas Farnleitner & Lena Campostrini, TU Vienna*)
- Use of high-frequency automated bacteriological monitoring to follow the dynamics of surface water quality (*Sophie Haenn, Eaux de Paris*)
- Automated quality monitoring – a Swedish perspective on challenges and way forward (*Markus Fröjd, Sweden Water Research)*

10.45 - Coffee-break

11.00 - **Session 2: Drinking water treatment and distribution**

- The use of flow cytometric fingerprinting in microbial water quality monitoring (*Fien Waegenaar, University of Gent*)
- Severn Trent's experience with online flow cytometry (*Matthew Ward, Severn Trent*)
- Analyzing unchlorinated drinking water quality using multiple microbiological sensors (*Jentina Schuurman, Vitens*)

12.00 - Wrap-up morning session

12.15 - Lunch

13.30 - **Session 3 – Challenges and way forward**

- Comparison, validation, challenges and usage of online microbial sensors in recreational and drinking water (*Nikki Van Bel, KWR*)
- Autonomous monitoring of harmful algae in engineered and natural water systems (*Ameet Pinto, Georgia Tech*)
- Do we really need online monitoring? (*Frederik Hammes, Eawag*)

14.30 - Coffee-break

15.00 - **Session 4 – Open discussion and community of practice**

- Establishing a community of practise for the use of microbial sensors in water monitoring (*Corina Carpentier, Sensileau*)
- Open discussion

16.30 - End