



Agenda

# The EU Sewage Sentinel System for SARS-CoV-2 (EU4S)

*Wastewater-to-go: transportation hubs and confined spaces, aircrafts and other vessels*

9<sup>th</sup> Town Hall Meeting

15-16 March 2023



## Wastewater-to-go

Joint  
Research  
Centre

# The EU Sewage Sentinel System for SARS-CoV-2 (EU4S)

*Wastewater-to-go: transportation hubs and confined spaces, aircrafts and other vessels*

## 9<sup>th</sup> TOWN HALL Meeting

### WEBEX Meeting

15<sup>th</sup> of March, 2023; 14:00-17:30 CET

16<sup>th</sup> of March, 2023; 09:00-12:30 CET

Chaired jointly by

Bernd Manfred GAWLIK

(EC JRC)

Bilge ALPASLAN KOCAMEMI

(Marmara University and Turkish Water Institute (SUEN), Turkey)

Márta VARGHA

(National Centre of Public Health, Hungary)

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## DAY 1 – 15 March

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| 14:00 | <b>Opening of the 9<sup>th</sup> TOWN HALL</b><br><i>Chairs and Co-Chairs</i>   |
| 14:10 | <b>Towards the UN World Water Conference - Announcements</b><br><i>Bilge ALPASLAN KOCAMEMI</i><br><i>Marmara University and Turkish Water Institute (SUEN), Turkey</i>  |
| 14:30 | <b>European Commission Info Point: Policy Framework</b><br><i>Bernd Manfred GAWLIK, European Commission, JRC</i><br><i>Ana BURGOS, European Commission, HERA</i><br><i>Yoline KUIPERS, European Commission, SANTE</i><br><i>Michel SPONAR, European Commission, ENV</i> |
| 14:50 | <b>Wastewater surveillance: relation to hospitalizations and looking beyond COVID-19</b><br><i>Ruud VAN DER BEEK</i><br><i>National Institute for Public Health and the Environment (RIVM), The Netherlands</i>   |
| 15:00 | <b>Monitoring wastewater for multiple respiratory virus at the municipal and neighborhood-level</b><br><i>Antonio MENDES, Vanessa LUÍS</i><br><i>SGS Global Biosciences Center, Lisboa, Portugal</i>  |
| 15:10 | <b>Many labs - challenges for data analytics - learnings from Austria</b><br><i>Hans Peter STUEGER</i><br><i>AGES - Austrian Agency for Health and Food Safety, Austria</i>   |

- 15:20 *Questions and answers I*
- 15:30 **Hyperplex PCR (hpPCR) - Enabling versatile, same-day and sequencing free hyperplexed genotyping**  
*Umear NASEEM, Ruben SOARES*  
*APLEX Bio, Sweden*
- 15:40 **Reconstruction of the circulation of SARS-CoV-2 variants in Luxembourg wastewater using RT-ddPCR assays**  
*Leslie OGORZALY, Cecile WALCZAK*  
*Luxembourg Institute of Science and Technology, Luxembourg*
- 15:50 **Understanding the value of aircraft wastewater monitoring as a tool for pathogen detection at borders: a modelling study**  
*Joseph SHINGLETON, Matthew WADE*  
*NHSA, United Kingdom*
- 16:00 *Questions and answers II*
- 16:10 **Characterization and Resistance to Mutation of a Single-Channel Multiplex PCR Assay for SARS-CoV-2**  
*Brian SWALLA, Amy PEDNAULT*  
*IDEXX Laboratories, United States of America*
- 16:20 **Aircraft wastewater surveillance for early detection of SARS-CoV-2 variants — New York John F. Kennedy International Airport, August–September 2022**  
*Robert MORFINO*  
*Ginkgo Bioworks, United States of America*
- Stephen BART*  
*Centers for Disease Control and Prevention, United States of America*
- 16:30 **Urban metagenomic surveillance of hospital-associated antimicrobial resistance dissemination through the urban sewage system**  
*Iraola GREGORIO*  
*Microbial Genomics Laboratory, Institut Pasteur Montevideo, Uruguay*
- 16:40 **The ERASMUS+ OneHealthWatch Project: designing continuous education material for all players in wastewater-based epidemiology**  
*Henry-Michel CAUCHIE*  
*Luxembourg Institute of Science and Technology, Luxembourg*
- Santi Fort FERNANDEZ*  
*EURECAT, Spain*
- Vincent NUYTEMANS, AQUAFIN, Belgium*
- 16:50 **Poster Session and Pitch Presentations**
- 17:30 **End of Day I**

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## DAY 2 – 16 March

- 09:00        **Opening of Day 2**  
*Chair and Co-Chairs*
- 09:05        **European Commission Info Point II – Tools, Data and Plans**  
*Bernd Manfred GAWLIK, European Commission, JRC*  
*Ana BURGOS, European Commission, HERA*  
*Yoline KUIPERS, European Commission, SANTE*  
*Michel SPONAR, European Commission, ENV*
- 09:30        **Guidance Development: Content of the Cookbook**  
*moderated by:*  
*Stephanie Rinck-Pfeiffer, Global Water Research Coalition, Australia*  
*Bernd Manfred GAWLIK, European Commission JRC*  
*Dan DEERE, Water Futures Proprietary Limited, Australia*  
*Gertjan MEDEMA, KWR, Netherlands*  
*With contributions of all contributors*
- 09:50        **Guidance Development: The Adhoc Guidance for Aircraft Surveillance**  
*Bernd Manfred GAWLIK, European Commission, JRC*  
*Dan DEERE, Water Futures Proprietary Limited, Australia*  
*(list of Authors)*
- 10:00        *Questions and answers III*
- 10:10        **SARS-CoV-2 variant analysis: Schiphol Airport and several aircrafts**  
*Willemijn LODDER, Auke HAVER*  
*National Institute for Public Health and the Environment (RIVM), The Netherlands*
- 10:20        **Detection by sequencing of SARS-CoV-2 variants in wastewater from airports**  
*Terry BURKE, Lucy WINDER, Paul BLACKWELL*  
*University of Sheffield, United Kingdom*  
  
*Kata FARCAS, Rachel WILLIAMS, Davey JONES*  
*Bangor University, United Kingdom*  
  
*Sebastien RAGUIDEAU, Chris QUINCE*  
*Earlham Institute, United Kingdom*
- 10:30        **Usefulness of aircraft wastewater and airport sewage for SARS-CoV-2 detection and beyond**  
*Kata FARCAS*  
*Bangor University, United Kingdom*
- 10:40        *Questions and answers IV*

- 10:50 **Wastewater Sampling at Frankfurt Airport for SARS-CoV-2 by NGS**  
*Susanne LACKNER, Shelesh AGRAWAL, Kira ZACHMANN*  
*Technical University of Darmstadt, Germany*
- 11:00 **Monitoring SARS-CoV-2 variants in wastewater and its impact on policy decisions in Wales**  
*Gareth CROSS*  
*The Welsh Government, United Kingdom*
- 11:10 **Wastewater-based surveillance epidemiology applied for the monitoring trend in the prevalence of multiple microbes**  
*Sami OIKARINEN*  
*Tampere University, FINLAND*
- Anssi LIPPONEN*  
*Finnish Institute for Health and Welfare, Finland*
- Kirsi-Maarit LEHTO, Tampere University, Finland*
- Annamari HEIKINHEIMO, University of Helsinki, Finland*
- 11:20 **SARS-CoV-2 and enteric pathogen environmental surveillance in humanitarian settings: Monitoring temporal and spatial trends to guide public health response measures**  
*Ziaur RAHMANN, Mahbubur RAHMANN, Hasan REZAUL icddr,b, Bangladesh*
- 11:30 Questions and Answer V
- 11:40 **Announcements and SAVE-THE-DATE**
- 11:50 **Concluding remarks and closure**  
*Bernd Manfred GAWLIK, European Commission Joint Research Centre*
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- 12:00 **End of Meeting**

## CONNECTION DETAILS

can be accessed at the

**EU4S DIGITAL EUROPEAN EXCHANGE PLATFORM**

**[\(Click here\)](#)**