



ANSWER Training Event - H and 2nd Workshop Programme

Nieuwegein, the Netherlands, June 18-21, 2018

KWR Watercycle Research Institute (KWR) organizes a Training Event (TE) on "**Environmental and human health risk assessment of antibiotics**" and the 2nd workshop on "**Modelling and risk assessment tools towards sustainable wastewater reuse**" in the framework of **ANSWER/H2020-MSCA-ITN-2015/675530** project, which will be held in Nieuwegein (Utrecht), The Netherlands on 18 - 21 of June, 2018. This event will be hosted by Dr. Luc Hornstra at KWR (The Netherlands). Eight (8) Early-Stage Researchers (ESRs) will participate in this event.

The aim of the combined TE-H and 2nd ANSWER workshop is to provide ANSWER ESRs with professional and personal development opportunities beyond what they are generally exposed to in the course of their Ph.D. training. During the TE-H, the participants will be introduced to the concept of risk and relevant regulatory requirements. Experimental/modelling approaches for assessing fate and behaviour in the environment, exposure and hazard will be introduced. Group discussion sessions will explore uncertainties in the different steps of risk assessment processes and strategies for addressing them in current risk assessment paradigms. The 2nd ANSWER workshop will address modelling and risk assessment tools towards sustainable wastewater reuse.

The programme will also cover the complementary/soft skill trainings on "Working in Policy or Business and How to Secure a Good Job". This course will train the ESRs on working in industry, business and academia and how to secure a high quality job. Furthermore, a training will be provided on academic networking to approach other professionals and expand your scope. Presentations from leading representatives from industry, policy and academia on what they do in their work and tips they have will be given. Through group sessions, ESRs will learn how to develop a CV for a job application and how to market themselves to potential employees. Finally, the participants will be able to meet with representatives from the different sectors to discuss their career aspirations.

TE-H will involve lectures and technical site visits to a hospital wastewater treatment plant (Pharmafilter at city of Delft hospital), and to a drinking water production utility from Dunea, located at Scheveningen, and a science and sailing experience on the Marker lake.





Monday June 18, 2018

2nd workshop on "Modelling and risk assessment tools towards sustainable wastewater reuse"

8.30-9.00	Registration
9.00-9.15	Welcome greetings and Introduction of the Event
9.15-10.00	Topic: modelling of environmental contaminants. <i>Dr. Ir Nynke Hofstra, Wageningen University and Research.</i>
10.00-10.30	Case study/group exercise
10.30-10.45	Coffee break
10.45-11.30	Topic Environmental risk assessment of pharmaceuticals <i>Dr. Caroline Moermond, Institute for Public Health and the Environment.</i>
11.30-12.00	Case study/group exercise
12.00-13.00	Lunch break
13.00-13.45	(Risk) modelling of pharmaceuticals and antibiotics <i>Dr. Rik Oldenkamp, Radboud University, Nijmegen</i>
13.45-14.15	Case study/group exercise
14.15-14.45	Bio-assays to determine the risk of pharmaceuticals and antibiotics <i>Dr. Milou Dingemans, KWR Watercycle Research Institute</i>
14.45-15.00	Coffee break
15.00-15.30	Reuse of water for irrigation, modelling water flows in soil. <i>Dr. Ruud Bartholomeus. KWR Watercycle Research Institute</i>
15.30-16.30	Waste water reuse in the EU and the Netherlands <i>Barry van de Glind, Ministry of Infrastructure and Water</i>





Tuesday June 19, 2018

2nd workshop on "Modelling and risk assessment tools towards sustainable wastewater reuse"
Technical site visits

9.00-9.30	Registration
9.30-10.30	Departure from KWR to Pharmafilter hospital waste treatment concept, Delft
10.30-12.30	Visit Pharma filter <i>Edwin Koetse, Pharma filter</i>
12.30-13.00	Departure to Dunea Drinking water production utility, Scheveningen Lunch break
13.00-13.10	Registration (bring valid ID!!!)
13.10-14.00	Introduction, corporate movie and presentation from source to tap.
14.00-15.30	Excursion Dunea production location <i>Wim Oorthuizen, Ed van der Mark, Dunea</i>
15.30-17.00	Departure to Monnickendam, Marker Lake
18.00-22.00	Sail, Science and BBQ event on the Marker lake
22.00	Departure to KWR/Utrecht





Wednesday June 20, 2018

TE-H "Environmental and human health risk assessment of antibiotics"

09.00-10.00 Risk assessment of pathogens in waste water reuse
Prof. Gertjan Medema. KWR Watercycle Research Institute

10.00-10.30 Case study/group exercise

10.30-10.45 Coffee-break

10.45-11.30 Risk assessment approaches for water reuse
Dr. Patrick Smeets. KWR Watercycle Research Institute

11.30-12.00 Case study/group exercise

12.00-13.00 Lunch break

13.00-14.00 The AMR Benchmark
Dulce Calcada, Access to medicine foundation

14.00-15.00 Waste water reuse; the water management authorities vision
Dr. Imke Leenen H2Oke, Stowa

15.00-15.30 Coffee-break

15.30-16.30 Visit to the labs of KWR

16.30-17.30 Webinar: Human health risk assessment of antibiotics.
Dr. Amy Pruden. Virginia Tech





Thursday June 21, 2018

Location: De Werfkelder, Oudergracht 36, Utrecht City Center

09.00-10.00 Course: The power of networking, the best way to get a job

10.00-11.00 Course: Making a step in your career

11.00-12.00 Course: Expanding your network

External coach: Laurens van der Vuurst: Bureau Downsideup

12.00-13.00 Lunch break

End of event



This project has received funding from the European Union's Horizon 2020 research and innovation programme under the Marie Skłodowska-Curie grant agreement No 675530