

Natural toxins and drinking water

How to deal with emerging toxins for drinking water supply?

Barcelona, Thursday 7th of February, 2019

Join experts from universities, research institutions and the water supply sector and associated companies on this seminar for knowledge sharing on detection, removing and communication on toxins in drinking water supply

Clean drinking water is crucial to human health and wellbeing. The ambition of the NaToxAq ETN network is to expand the research basis for EU's leading role in securing high quality drinking waters for its citizens. Focus is on natural toxins – a large group of emerging contaminants with unknown impact on drinking water resources.

Organizers: NaToxAq is a European Training Network (ETN) funded by the European Union's Horizon 2020 research and innovation programme under the Marie Skłodowska-Curie grant agreement No 722493.

The NaToxAq network brings together 22 major research groups from leading universities, research institutes and water enterprises, constituting a highly innovative and multidisciplinary consortium from 7 European countries and USA

See more at www.natoxaq.eu

For questions or to sign up contact Project Manager
Kristine Kirkensgaard (krki@plen.ku.dk)



Program

- 8:30 - 9:00 Arrival and coffee
- 9:00 - 9:15 Welcome and outline / *Prof. Hans Christian Bruun Hansen (University of Copenhagen, DK)*
- 9:15 - 9:30 Water Supply Companies presentation and address / *all*
- 9:30 - 9:45 Treatments to produce drinking water and control of organic contaminants / *Dr. Agustina de la Cal (Aigües de Barcelona, ES)*
- 9:45 - 10:00 Managing the risk of Bracken toxins in drinking water/ *Water Quality Strategy Manager John Haley (Yorkshire Water, UK)*
- 10:00 - 10:15 Pesticides in drinking water / *Dr. Sarah B. Jørgensen; Dr. Ann-Katrin Pedersen (Greater Copenhagen Utility, HOFOR A/S, DK)*
- 10:15 - 10:35 Coffee break
- 10:35 - 11:00 Natural toxins in drinking water reservoirs - new insight from NaToxAq / *itches from Early Stage Researchers (ESRs, see below who our ESR are and what they are working on)*
- 11:00 - 11:15 Removal of organic contaminants at water works / *Dr. Florian B. Wagner (Krüger A/S - Veolia Water Technologies, DK)*
- 11:15 - 11:30 Removal of toxins from raw water - an overview / *Early Stage Researcher Marcel Schneider (Masaryk University, CZ)*
- 11:30 - 11:45 Cold plasma - a new technology for water cleaning / *Prof. Jürgen Kolb (Leibniz Institute for Plasma Science (LIPS))*
- 11:45 - 11:55 Communication and Trust / *Water Quality Expert Anne Esbjørn (VCS Denmark Ltd, DK)*
- 11:55 - 12:10 Title to be confirmed / *Susana González (Cetaqua)*
- 12:10- 12:20 Rounding off /
- 12:20- 13:00 Time to mingle and sharing knowledge
- 13:00- 14:00 Lunch

Optional add-on:

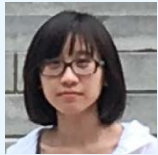
- Join a **full day excursion** on the 9th of February. This trip will bring you to some of the places of water supply surrounding Barcelona



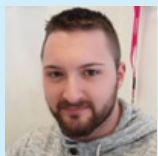
Meet the Early Stage Researchers (ESRs) of NaToxAq



ESR1: Inés Rodríguez Leal (from Spain)
Stockholm University, Sweden
Project title: *In silico* approaches for the identification of natural toxins relevant to water quality



ESR2: Xiaomeng Liang (from China)
University of Copenhagen, Denmark
Project title: Identification of plant produced natural toxins leaching from soil



ESR3 Massimo Picardo (from Italy)
CSIC (Chemical and Environmental Research Institute of Barcelona), Spain
Project title: Non-target screening of natural toxins in surface water reservoirs



ESR4 Bettina Gro Sørensen (from Denmark)
Helmholtz Centre for Environmental Research (UFZ), Germany
Project title: Effect-directed identification of water-extractable toxins in alien species that expand their distribution with climate change



ESR5 Mulatu Yohannes Nanusha (from Ethiopia)
Helmholtz Centre for Environmental Research (UFZ), Germany
Project title: Screening for natural toxin fingerprints in waters from different regions all over Europe



ESR6 Daria Filatova (from Ukraine)
CSIC (Chemical and Environmental Research Institute of Barcelona), Spain
Project title: Origin and release of cyanotoxins in surface water reservoirs



ESR7 Vaidotas Kisielius (from Lithuania)
University College Copenhagen, Denmark
Project title: Spatial and temporal variation in the production and release of glycosidal natural toxins in rangelands and forests



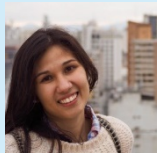
Meet the Early Stage Researchers (ESRs) of NaToxAq (continued)



ESR8: Jawameer Rasool Hama (from Iraq)
University of Copenhagen, Denmark
Project title: Quantification of crop produced natural toxins in groundwater



ESR9: Carina Schönsee (from Germany)
Agroscope, Institute for Sustainability Sciences,
Switzerland
Project title: Physicochemical property determination of natural toxins



ESR10 Regiane Sanches Natumi (from Brazil)
EAWAG, Swiss Federal Institute of Aquatic Science and
Technology, Switzerland
Project title: Stability of natural toxins in surface waters



ESR11 Daniel B. Garcia Jorgensen (from Spain)
University of Copenhagen, Denmark
Project title: Natural toxin fate and leaching from soils



ESR12 Marcel Schneider (from Germany)
Masaryk University, Czech Republic
Project title: Water treatment operations to remove natural toxins from surface water



ESR13 Natasa Skrbic (from Serbia)
Greater Copenhagen Utility - HOFOR A/S, Denmark
Project title: Removal of natural toxins at groundwater fed water works



ESR14 Barbara Kubíčková (from Germany)
Masaryk University, Czech Republic
Project title: Health risks of natural toxins in surface waters

See more about the projects at <https://natoxaq.ku.dk/phd-projects/>

