

Location of the workshop & accomodation

The workshop will take place on 6 March 2019 at Ecole Polytechnique, Palaiseau, Grand Hall, Amphithéâtre Becquerel. For further info about venue & accomodation: <https://winterschool.sciencesconf.org/resource/acces>

How to get to Palaiseau from Paris

From Paris - Gare du Nord train station or Roissy Charles De Gaulle Airport:

RER B to Massy-Palaiseau, then take the TransEssonne bus 91.06 or 91.10 and get off at "Polytechnique Lozère", then 10 min-walk following the signs "Ecole Polytechnique - Grand Hall", **OR**

RER B to Lozère station, then 20 min-walk (steep climb!) and follow the signs "Ecole Polytechnique - Grand Hall".

From Paris - Only Airport:

ORLYVAL shuttle to Antony station, then RER B to Lozère station OR to Massy-Palaiseau and then follow the instructions as above.



WORKSHOP ON PRIORITISATION OF EMERGING CONTAMINANTS IN URBAN WASTEWATER

What are the priority contaminants to target in European urban wastewater?

6 March 2019

Ecole Polytechnique Palaiseau - Paris, France
Amphithéâtre Becquerel



Organised by INERIS, France
Attendance is free of charge

NORMAN Association

NORMAN, a network of reference laboratories and research centres, is an independent and competent platform in the monitoring of emerging environmental contaminants. NORMAN facilitates an exchange of information, debate and research collaboration at the global level, with the European Union's in-house science service. For more information see: <http://www.norman-network.net/>

AQUALity ETN project

AQUALity is a European Training Network which has been recently funded to prepare 15 highly skilled scientists with the potential to face the present and future challenges concerning the protection of water resources from contaminants of emerging concern (CECs). The focus of their research will be on innovative purification technologies (including solar driven processes and hybrid technologies) expected to be more effective than conventional adsorption & biological treatments. For more information see: <https://www.aquality-etn.eu/>

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controlling risks
for sustainable development

Background & Objectives

Several existing EU Directives (Urban Waste Water Treatment Directive and the Water Framework Directive, etc.) are undergoing an evaluation process (Fitness-check process) and it is likely that these pieces of legislation and the whole EU water policy will be reviewed, in order to reflect new challenges including climate change, urbanisation, emerging sources of water pollution, etc.

In support of this policy review process, various EU projects (such as the NEREUS Cost Action, etc.) have been funded to tackle the problems of contaminants of emerging concern (CECs) in urban wastewater and the definition of quality criteria (including chemical parameters) for water reuse.

In addition to that, several recent investigative campaigns are taking place in Europe at the national and international level (Danube river basin) and as part of the NORMAN Joint Programme of Activities (e.g. Virtual EDA collaborative study organised by UFZ) to identify priority CECs in wastewater effluents.

Advanced analytical tools (such as HR-MS) for the determination and identification of CECs and their degradation products will be developed as well.

In the light of the conclusions and data generated by all these initiatives, the aim of this workshop is to:

- Get an overview and critical analysis of the results of relevant EU and national projects which have recently been funded in support of the on-going policy evaluation process (Urban Waste Water Treatment Directive and the Water Framework Directive, etc.)
- Discuss the position of the experts about: is it possible to define a common list European “priority” CECs in urban wastewater? What should be the priority target for innovative treatment technologies? Is it necessary to set new emission limit values (ELV) for specific priority (groups of) contaminants, or effects ?

Registration

Participation in the workshop is free of charge, including refreshments during the coffee break and lunch.

Deadline for registration is 22 February 2019.

Please register through the NORMAN website: <http://www.norman-network.net/>

International Winter School on Mass Spectrometry, 4-5 March 2019

The workshop will take place back-to-back to the Int. Winter School on Mass Spectrometry organised by the Ecole Polytechnique (Palaiseau, France).

Venue: Ecole Polytechnique, Palaiseau (France). Registration for the Winter School available at <https://winterschool.sciencesconf.org/>

08:30 Arrival and Registration

09:00 Welcome from AQUALITY & NORMAN and objectives of the workshop
(*P. Calza, University of Torino and V. Dulio, INERIS*)

Tackling CECs in urban wastewater : experience from research projects

Chair: Valeria Dulio

09:20 Setting the scene: on-going evaluation of the UWWT Directive and challenges for prioritisation of CECs in urban WW (*J. Hofman, WssTP, and Univ. of Bath, UK*)

09:40 Results of relevant EU and national projects on CECs in urban WW: Danube river: Chemical screening and in vitro assays of WW effluents – applying NEREUS guidelines (*J. Slobodnik, EI, Slovakia*)

10:00 PerFormWater 2030: Evaluation of advanced treatment technologies for removal of CECs in urban WW (*S. Valsecchi, CNR-IRSA, Italy*)

10:20 Coffee break

10:50 Preliminary findings and on-going projects in Ireland on CECs in urban wastewater (*B. White, F. Regan, DCU, Ireland*)

11:20 CECs and their TPs in urban WW: REGARD and REMPLAR projects in France (*H. Budzinski, Univ. of Bordeaux, France*)

11:40 Surfactants and TP discharged from WWTP: Germany case study (*P. von der Ohe, UBA, Germany*)

12:00 Persistent and mobile compounds in the water cycle - analytical difficulties and findings : PROMOTE project (*T. Reemtsma, UFZ, Germany*)

12:40 Lunch

Assessment and prioritisation : what do we need to do ?

Chair: Jaroslav Slobodnik

13:30 Prioritisation of CECs: the NORMAN approach (*V. Dulio, INERIS, France*)

13:50 Assessing the potential impact of complex mixtures on water quality and aquatic ecosystems- What can we learn from SOLUTIONS? (*W. Brack, UFZ, Germany*)

14:10 Progress made and challenges in abatement technologies for municipal wastewater: the Swiss case (*C. McArdell, Eawag, Switzerland*)

Discussion groups

14:30 Discussion on the following questions :

- *Is it possible to define a common list European CECs, or groups of compounds with specific characteristics, as “priority” compounds for urban WW ?*
- *What are the priority target for innovative treatment technologies ?*
- *What are the latest progress and limits of treatment technologies ?*

16:00 Report from the groups & Final discussion and recommendations

17:00 End of the workshop