

Symposium

Bio-waste and sludge: **an environmental challenge,** **a technological opportunity**

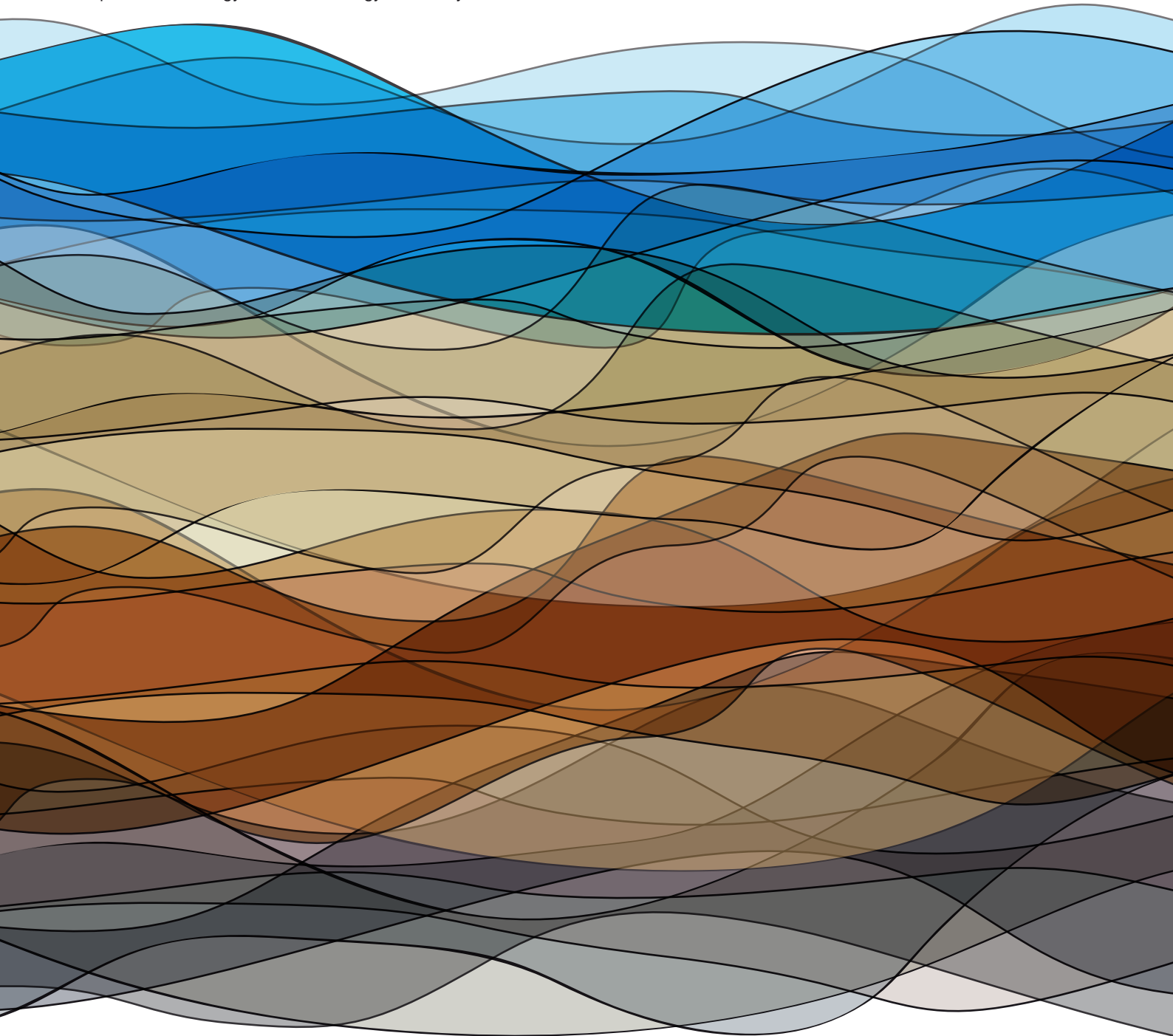
October 5th, 2012

Aula Magna. School of Law. University of Barcelona

Symposium coordinators:

Dr. Anicet Blanch Gisbert / Dr. Francisco Lucena Gutiérrez

Dept. of Microbiology. School of Biology. University of Barcelona



Since 2007, the Water Research Institute of the University of Barcelona organizes an annual symposium on topics of current interest within their areas of activity. In this edition of 2012, the topic under discussion is focused on bio-waste and sludge and particularly, in the sludge generated by waste water purification. The generation of sludge is a remarkable issue on environmental management within the European Union. EU sludge production has been estimated to reach 12.8 million tons in 2020. The development of treatment processes to remove, reduce or reuse sludge to dispose it as by-product is crucial for a proper environmental management. On the other hand, there is a need to upgrade or establish national and international sludge regulations to determine the physical, chemical and microbiological properties which are necessary for an appropriate derivation of sludge. This Symposium is presenting the state of the national and European regulation, as well as the traditional sludge treatments and some of the developing new sludge treatments.

Program

- 09:20 h **Wellcome.**
Dr. María Jesús Montoro Chiner. *Professor of Administrative Law and Director of the Water Research Institute. University of Barcelona.*
- 09:30 h **CEN activities and EU strategies and current developments on bio-waste and sewage sludge.**
Mr. Christophe Bonnin. *Chair of the CENTC 308 (Characterization of sludge) and member of the AFNOR Water Cycle Strategic Committee.*
- 10:00 h **Present situation of the management and rules about bio-waste and sludge in Spain.**
(Speaker to be confirmed). *Subdirección General de Residuos. Dirección General de Calidad y Evaluación Ambiental y Medio Natural. Ministerio de Agricultura, Alimentación y Medio Ambiente.*
- 10:30 h **Bio-waste and sludge management in Catalonia.**
Mr. Marc Moliner. *Director of the Unitat de Biosòlids. Departament d'Explotació de Sistemes de Sanejament. Agència Catalana de l'Aigua. Generalitat de Catalunya.*
- 11:00 h **Coffee break.**
- 11:30 h **ROUTES: Novel processing routes for effective sewage sludge management. An ongoing EU project.**
Dr. Giuseppe Mininni. *Project Coordinator. CNR, Istituto di Ricerca Sulle Acque (Italy).*
- 12:00 h **Co-digestion systems for sludge in a wastewater treatment plant.**
Mr. Angel Freixó. *Director of SISLtech.*
- 12:30 h **Thermal drying of sludge at low temperatures.**
Mr. Oriol Soler. *Director of Metrofag.*
- 13:00 h **Use of WWTP sludge to produce Technosols for the rehabilitation of degraded lands.**
Prof. Josep M. Alcañiz. *Centre de Recerca Ecològica i Aplicacions Forestals (CREAF).*
- 13:30 h **End of the Symposium. Conclusions.**



Water Research Institute - University of Barcelona

Free subscription

In order to obtain a certificate of attendance, please send us an email to:
biosolids2012@ub.edu