

**ICCE 2013-BARCELONA; PROGRAM FOR SATELLITE EVENTS AT
 THE INSTITUT DE ESTUDIS CATALANS (IEC) ON TUESDAY 25TH
 JUNE 2013**

Mining and Environment: Old Problems and New Solutions	
<i>Puig i Cadafalch Room</i>	
CONVENER: Carlos Ayora	
8.30-9.00	Registration and Reception of participants
9.00-9.45	Kirk Nordstrom , US Geological Survey, Boulder, CO, USA: <i>Baseline and premining geochemical characterization: The issue of natural background</i>
9.45-10.30	Jose Miguel Nieto , Department of Geology, University of Huelva, Spain <i>The genesis of acid mine drainage: the case of the Iberian pyrite belt</i>
10:30-11:15	Bernhard Dold , Advanced Mining Technology Center, University of Chile <i>Biogeometallurgical pre-mining characterization of ore deposits: a new approach to increase sustainability in the mining process</i>
11.15-11.45	COFFE-BREAK
11.45-12.30	David Arcos , Amphos 21 Consulting., Barcelona. Spain <i>Mine rock drainage: characterization and modelling for assessment of waste rock dumps.</i>
12.30-13.15	Ricardo Amils , Department of Molecular Biology, UAM; Astrobiology Center, CSIC, Madrid, Spain <i>Bioremediation, the future of mining.</i>
13.15-15.00	LUNCH
15.00-15.45	Rafael Pérez-López , Department of Geology, University of Huelva, Spain <i>Delaying sulfide oxidation: long-term treatment of acid-producing mine wastes using coal combustion fly ash.</i>
15.45-16.15	Adam Jarvis , School of Civil Engineering & Geosciences, Newcastle University, UK <i>The importance of chemical and biological processes in the passive remediation of iron-dominated coal mine waters compared to zinc-dominated metal mine waters.</i>
16.15-17.00	Tobias W. Rötting , Dpt. of Engineering and Geophysics, Catalonia Polytechnics, Barcelona, Spain <i>Passive treatment of acid mine drainage: conventional treatment systems and new developments based on inorganic processes to remove high metal concentrations.</i>
17.00-17.15	CLOSURE
18.00-19.00	WELCOME ICCE 2013
19.00-	GET TOGETHER

Illicit Drugs in Wastewaters <i>Nicolau d'Oliver Room</i>	
CONVENERS: Félix Hernández, Jennifer Field	
8.30-12.45	
12.45-13.10	Registration and Reception of participants
13.10-13.30	OPENING Félix Hernández and Jennifer Field: Welcome and Presentation of the Workshop
13.30-14.10	Juan V. Sancho , <i>University Jaume I, Castellón, Spain.</i> <i>Analytical strategies for investigation of illicit drugs in wastewaters. Potential of HR MS in this field</i>
14.10-14.50	Barbara Kasprzyk-Hordern , <i>Department of Chemistry, University of Bath, UK.</i> <i>Illicit drugs in wastewater: chirality and other under-investigated phenomena</i>
14.50-15.30	COFFE-BREAK
15.30-16.10	Kevin Thomas , <i>NIVA, Norway</i> <i>Comparing illicit drug use in 19 European cities through sewage analysis.</i>
16.10-16.50	Caleb Banta-Green , <i>Alcohol and Drug Abuse Institute, University of Washington, USA.</i> <i>Drug consumption estimation from sewage water analysis versus epidemiological studies.</i>
16.30-17.00	
17.00-18.00	CLOSURE and OPEN DISCUSSION
18.00-19.00	WELCOME ICCE 2013
19.00-	GET TOGETHER

Alternative Flame Retardants: Analysis, Occurrence and Exposure <i>Pi i Sunyer Room</i>	
CONVENERS: Ethel Eljarrat, Eva Brostrom	
8.30-13.15	
13.15-13.30	OPENING Ethel Eljarrat and Eva Brorström-Lundén: Welcome and Presentation of the Workshop
<i>Introduction to flame retardants and their properties</i>	
13.30-14.00	Ake Bergman , Sweden <i>Abbreviation standard for organobromine, organochlorine and organophosphorus flame retardants and some characteristics of the chemicals</i>
14.00-14.30	Martin Scheringer , Switzerland <i>Persistence, long-range transport and bioaccumulation potential of emerging FRs: comparison with classical PBDEs</i>
<i>Analytical strategies</i>	
14.30-15.00	Lourdes Ramos , Spain <i>Comprehensive two-dimensional gas chromatography–time-of-flight mass spectrometry for the identification of organobrominated compounds in biotic samples.</i>
15.00-15.30	COFFEE-BREAK
<i>Environmental occurrence and biota levels</i>	
15.30-16.00	Eva Brorström-Lundén and Peter Haglund , Sweden <i>Sources, pathways and occurrence of brominated flame retardants (BFRs) and polybrominated dibenzofurans (PBDFs) in Sweden.</i>
16.00-16.30	Enrique Barón , Spain <i>Occurrence of halogenated flame retardants (BFRs and Dechloranes) in Spain</i>
<i>Human exposure and toxicity</i>	
16.30-17.00	Adrian Covaci , Belgium <i>Alternative flame retardants in indoor dust: human exposure assessment</i>
17.00-17.30	Cayo Corcellas , Spain <i>Human exposure to halogenated norbornenes</i>
17.30-18.00	CLOSURE
18.00-19.00	WELCOME ICCE 2013
19.00-	GET TOGETHER

Cyanobacteria and Cyanotoxins in Aquatic Environments	
Pere i Joan Coromines Room	
CONVENERS: Antonio Quesada, Triantafyllos Kaloudis, Dionysios Dionysiou	
9.00-9.20	OPENING: Dionysios Dionysiou : Welcome of participants – Introduction to the event Deniz Karaca, Triantafyllos Kaloudis: CYANOCOST: A European network for cyanobacteria and cyanotoxins
Session I : Ecology of Cyanobacteria – Occurrence of cyanotoxins	
9.20-9.50	L. Lawton, UK: Natural diversity of cyanobacteria and the toxins they produce
9.50:10.10	N. Salmaso, Italy: Models relating MCs and cyano biomasses
10.10-10.30	B. Brooks, USA: Cyanobacterial and other biological, chemical and physical influences on harmful blooms of <i>Prymnesium parvum</i>
10.30-10.50	H. Mazur-Marzec, Poland: Chemotype diversity of the toxic cyanobacterium <i>Nodularia spumigena</i>
10.50-11.15	COFFE-BREAK
Session II : Health and ecosystem effects	
11.15-11.45	V. Vasconcelos, Portugal: Routes and bioavailability of cyanotoxins and risks for human health
11.45-12.05	A. Quesada, University of Madrid, Spain: Cyanobacterial health risks in bathing waters
12.05-12.25	Z. Svircev, Republic of Serbia: Epidemiology of primary liver cancer in Serbia and possible connection with cyanobacterial blooms
12.25-12.45	M. Moustaka, Greece: Harmful cyanobacterial blooms in mediterranean freshwaters
12.45-13.45	LUNCH-BREAK-Poster Session (facilitator: Xuexiang He)
Session III: Detection of cyanobacteria and cyanotoxins	
13.45-14.15	K. Sivonen, Finland: Methods to detect producers of cyanobacterial toxins and odorous metabolites
14.15-14.35	C. Flores, Spain: Mass spectrometry techniques for the analysis of cyanotoxins: MALDI-TOF/TOF, LC/ESI-MS/MS AND LC/ESI-HRMS
14.35-14.55	R. Kurmayer, Austria: Molecular ecology and evolution of toxin-producing cyanobacteria in drinking and recreational water
14.55-15.15	P. Hunter, UK: Monitoring mass populations of toxic cyanobacteria in lakes using airborne and satellite remote sensing
15.15-15.35	L. Briant, France: Detection of benthic cyanobacteria in rivers and lakes
15.35-16.00	COFFE-BREAK
Session IV: Prevention and treatment	
16.00-16.30	K. O'Shea, USA: Advanced oxidation of cyanotoxins: reaction pathways and mechanistic details
16.30-16.50	H. Matthijs, The Netherlands: Hydrogen peroxide as a biocide for selective suppression of harmful cyanobacteria
16.50-17.10	A. Hiskia, Greece: Recent advances towards water purification from cyanotoxins and taste & odor compounds using photocatalysis with TiO ₂ and polyoxometalates
17.10-17.30	K. Kormas, Greece: Natural born degraders of cyanobacterial toxins
17.30-18.00	Antonio Quesada: Concluding remarks
18.00-19.00	WELCOME ICCE 2013
19.00-	GET TOGETHER

Posters of Cyanobacteria and Cyanotoxins in Aquatic Environments

Hans C.P. Matthijs, Renee Talens and Petra M. Visser, *Hydrogen peroxide as a biocide for selective suppression of harmful cyanobacteria*

Leonardo Cerasino, Shiva Shams and Nico Salmaso, *Cyanotoxins in the Italian Deep Subalpine Lakes (DSL): distribution and controlling factors*

Yana Russkikh, Ekaterina Chernova, Ekaterina Voyakina and Zoya Zhakovskaya, *Cyanotoxins in natural waters of North-West part of Russia*

Lin Chen, Wenjun Jiang, Dionysios D. Dionysiou, Mohammad H. Entezari, Kevin E. O'Shea, *Magnetic Iron Oxides as a Novel Strategy for the Removal of Microcystin-LR from Water*

The Management Committee of CYANOCOST, *CYANOCOST : A European network for cyanobacteria and cyanotoxins*