

Symposium. Abandoned mines and water bodies: current status, environmental impacts and treatment options.

13th November 2019 · Sala Segimon Serrallonga
UVic·UCC (Masia Torre dels Frares)



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WELCOME

09.15 – 09.45h	Arrival and registration
09.45 – 10.00h	Symposium opening – Laia Llenas [BETA Technological Center, UVIC-UCC]

SESSION 1: CURRENT STATUS AND PUBLIC MANAGEMENT

10.00 – 10.20h	<i>Aguas de mina: contaminación y control</i> – Jorge Loredo Pérez [Universidad de Oviedo]
10.20 – 10.40h	<i>La problemática de las minas abandonadas desde la óptica de la administración. Caso de Asturias.</i> – Pablo Luis Álvarez Cabrero [Consejería de Infraestructuras, Ordenación del Territorio y Medio Ambiente, Principado de Asturias]
10.40 – 11.00h	<i>Metodología para la evaluación del potencial de contaminación de las aguas superficiales de los residuos mineros abandonados</i> – Virginia Rodríguez [Instituto Geológico y Minero de España]
11.00 – 11.30h	Coffee Break

SESSION 2: ENVIRONMENTAL IMPACTS ON WATER BODIES

11.30 – 11.50h	<i>Ecological impacts of freshwater salinization: Pressing management and research needs</i> – Miguel Cañedo [Universitat de Barcelona]
11.50 – 12.10h	<i>Potash Mining and Salt Pollution of Rivers in Germany</i> – Thomas Sommer [Dresden Groundwater Research Center]
12.10 – 12.30h	<i>Microbial Biomarkers of metal pollution in fluvial systems. The Osor case-study</i> – Helena Guasch [Center for Advanced Studies of Blanes [CEAB-CSIC]]
12.30 – 12.50h	<i>Aquatic Biofilms as indicators of mine water treatment efficiency in the LIFE DEMINE project</i> – Meritxell Abril [BETA Technological Center]

SESSION 3: TREATMENT OPTIONS

12.50 – 13.10h	<i>Metal mine water treatment options and the electro-coagulation as a solution</i> – Duarte Tito [ELENTEC Ld.]
13.10– 13.30h	<i>Matrix Supported Microalgal Biofilm treatment for the metal effluent in Frongoch abandoned mine</i> – Mabrouk Zanain [Swansea University]
13.30h – 13.50h	<i>Membrane technologies for metal ions uptake in mining industry</i> – Diego Morillo [LEITAT Technological Center]
13.50 - 14.30h	Discussion and closing
