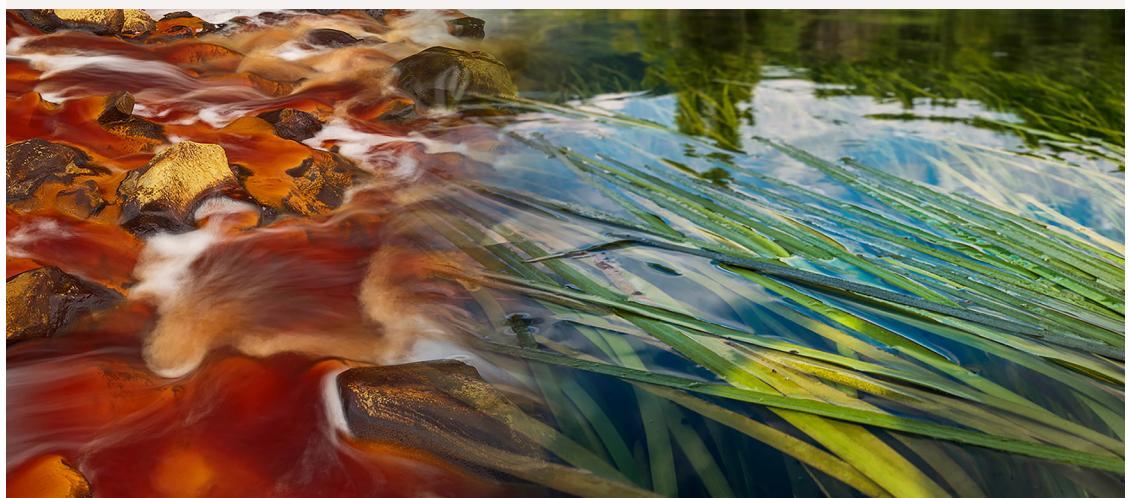


# Symposium. Abandoned mines and water bodies: current status, environmental impacts and treatment options.

**13th November 2019** · Sala Segimon Serrallonga  
UVic·UCC [Masia Torre dels Frares]



This project has received funding from the European Union's LIFE programme under the grant Life 16 ENV/ES/000218.

## WELCOME

<b>09.15 – 09.45h</b>	Arrival and registration
<b>09.45 – 10.00h</b>	Symposium opening – Laia Llenas (BETA Technological Center, UVIC-UCC)

---

## SESSION 1: CURRENT STATUS AND PUBLIC MANAGEMENT

<b>10.00 – 10.20h</b>	<i>Aguas de mina: contaminación y control</i> – Jorge Loredo Pérez [Universidad de Oviedo]
<b>10.20 – 10.40h</b>	<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]
<b>10.40 – 11.00h</b>	<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]
<b>11.00 – 11.30h</b>	Coffee Break

---

## SESSION 2: ENVIRONMENTAL IMPACTS ON WATER BODIES

<b>11.30 – 11.50h</b>	<i>Ecological impacts of freshwater salinization: Pressing management and research needs</i> – Miguel Cañedo [Universitat de Barcelona]
<b>11.50 – 12.10h</b>	<i>Potash Mining and Salt Pollution of Rivers in Germany</i> – Thomas Sommer [Dresden Groundwater Research Center]
<b>12.10 – 12.30h</b>	<i>Microbial Biomarkers of metal pollution in fluvial systems. The Osor case-study</i> – Helena Guasch [Center for Advanced Studies of Blanes (CEAB-CSIC)]
<b>12.30 – 12.50h</b>	<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

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