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Agreement Number: ECO/13/630345

BENTOMET

**DESIGN AND CONSTRUCTION OF A BENTONITES RECYCLING LINE FOR THE
PRODUCTION OF A HEAVY METAL ADSORBENT**

**Deliverable D.7.7.2 Organisation of workshops devoted to promote and discuss the
recycling line**

Start date of the project: 1st July 2014

Duration: 3 years

Organisation name or lead contractor for this deliverable: MOS



Project: ECO/13/630345		
Dissemination Level		
PU	Public	✓
PP	Restricted to other programme participants (including the Commission Services)	
RE	Restricted to a group specified by the consortium (including the Commission Services)	
CO	Confidential, only for member of the consortium (including the Commission Services)	

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1. INTRODUCTION

The objective of this deliverable 7.7.2 “Organization of workshops” is to show the events organized to promote BENTOMET results, presenting the involved technologies to interested parties. Forums and companies in the field of recycling processes, revaluation of wastes and wastewater treatment have been selected for such aim.

These activities have been focused on achieving the maximum dissemination of the project scopes, pursuing the following key points:

- To disseminate the goals and technical approach of BENTOMET project among the scientific and technical community.
- To network with other EC-funded projects and initiatives in the field.
- To enhance exploitation potentials.
- To expose the participating audience the variety of technological available methods for recycling and for wastewater treatment, as well as to discuss the actual advantages of recycling and treating wastewaters.
- To present the adsorbent obtained in BENTOMET project, as well as the developed wastewater treatment system where such product is incorporated, demonstrating the operation of the system and providing efficiency data.

2. PARTICIPATION ON A NETWORK EVENT

On June 3th 2016, on the occasion of World Environment Day (June 5th), the Government of Navarre with Pamplona City Council and in collaboration with various entities, organized a program of activities with the aim of raising awareness of citizenship on various initiatives to achieve a greener economy.




Lurederra participated as a center dedicated to research and development always looking for environmental improvements. The center showed its most prominent developments derived from national and European projects, including modified bentonites resulting from BENTOMET. In addition, brochures containing project information were distributed among attendants coming from sectors such as waste recycling and circular economy, natural areas and sustainable forest management, energy saving, insulation and bioclimatic architecture, mobility and sustainable production, local and ecological agriculture, among others. The following pictures show the stand of Lurederra in this event and a sample of bentonites with some brochures.



3. ORGANIZATION OF A WORKSHOP IN LUREDERRA- NEW TECHNOLOGIES FOR WASTEWATER TREATMENT

TITLE	Workshop- "New technologies for water treatment"
DATE	Thursday 23 th February 2017
TIME	10:00-13:00
VENUE	Los Arcos (Navarre), SPAIN

Agenda of the WORKSHOP



LIFE-PURIWAT WORKSHOP
**"Workshop en Nuevas tecnologías para
tratamientos de aguas en Lurederra"**

Instalaciones del Centro Tecnológico Lurederra.
Área Industrial Perguita, C/A nº 1
31210 Los Arcos, Navarra (España)

Agenda del Workshop

Fecha: 23 febrero de 2017

10:00 – 10:15 Apertura

- Bienvenida por Lurederra

10:15-11:00 Sesión 1 (15 minutos para cada ponente)

- NUEVA PLANTA PILOTO DEMOSTRATIVA PARA LA PURIFICACIÓN DE AGUAS RESIDUALES CON ACEITES, GRASAS E HIDROCARBUROS "LIFE PURIWAT" por Lurederra.
- TECNOLOGÍA DE TRATAMIENTO IN SITU PARA LA PRODUCCIÓN DE AGUA POTABLE DE AGUAS SUBTERRÁNEAS CONTAMINADAS CON NITRATOS "LIFE+ InSiTrate" por Fundació CTM Centre Tecnològic.
- IMPLEMENTACIÓN DE UN NUEVO TRATAMIENTO TERCIARIO DE ELIMINACIÓN DE FOSFATOS EN EDAR "LIFE REMPHOS" por Lurederra.

11:00-11:30 Café

11:30-12:00 Sesión 2 (15 minutos para cada ponente)

- DIFERENTES TECNOLOGÍAS DE TRATAMIENTOS DE AGUAS Y RESIDUOS "LIFE +REWATCH, LIFE + RELEACH, LIFE +ZELDA, LIFE +FOUNDRYTILE, LIFE + ECORKWASTE", por Fundació CTM Centre Tecnològic.
- DISEÑO Y CONSTRUCCIÓN DE UNA LINEA DE RECICLADO DE BENTONITAS PARA LA PRODUCCIÓN DE ADSORBENTES DE METALES PESADOS "BENTOMET-ECO/INNOVATION" por Lurederra

12:00-13:00 Demostración desarrollos.

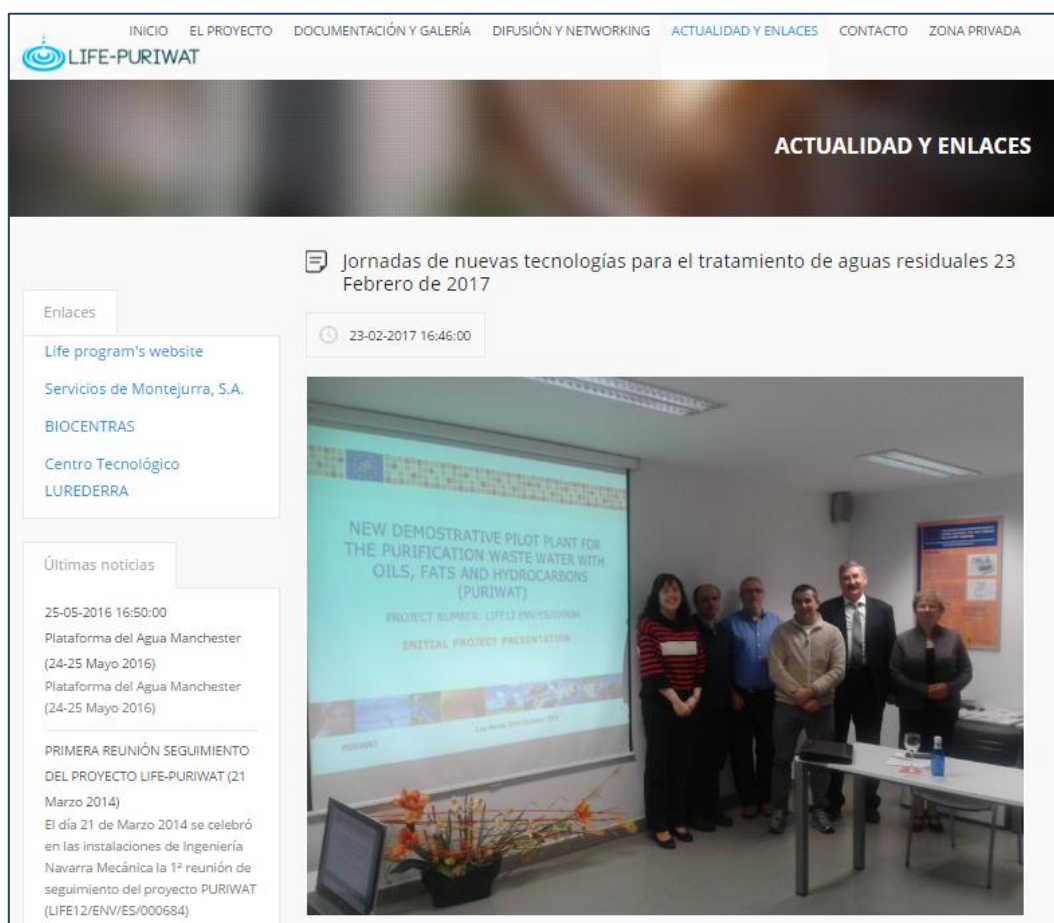
On 23th February 2017, the BENTOMET project was presented at the Conference on new technologies for wastewater treatment organized by Lurederra in Los Arcos (Spain).

The main objective of this workshop was to present to the public different projects framed within the theme of “New technologies for wastewater treatment”, such as LIFE-REMPHOS and ECO-BENTOMET. Partners of BENTOMET project and external well-known companies were invited as speakers in the workshop.

Invitations to the Workshop were made by mail to companies and organizations, and the event was also announced and then presented in related web sites.

www.puriwat-life.es: Web site of the project LIFE-PURIWAT.

www.lurederra.es: Web site of LUREDERRA.



4. ORGANIZATION OF A WORKSHOP IN NETHERLANDS- DEMONSTRATION OF THE OPERATION OF WASTEWATER TREATMENT SYSTEM

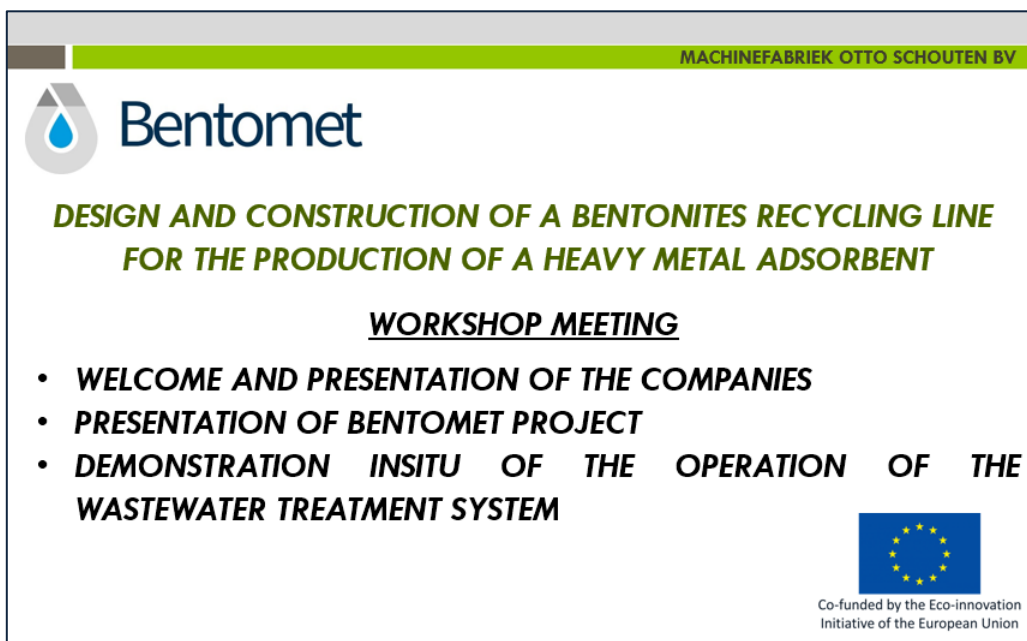
The main objective of organizing this last workshop in the Netherlands was to disseminate the final results of the project to potentially interested companies in this country, including in situ demonstrations of the wastewater treatment system developed during the project (installed in Coolrec facilities).

MOS and COOLREC contacted with numerous companies in the area that could be interested in such wastewater treatment system in order to capture potential buyers, these companies being the attendants to the workshop.

During this event, not only the wastewater treatment system was shown but also general information about BENTOMET project was explained: achieved objectives in terms of product efficiency and eco-indicators and also development of the bentonites recycling line which is installed at Lurederra's facilities in Los Arcos (Navarre – Spain), showing a demonstrative video about its operation and explaining the source of raw material and the process carried out to obtain the final adsorbent.


Those companies showing real interest in the presented system were given the opportunity to send batches of wastewaters from their industrial processes in order to perform some tests in the new system, to check that both the operation and the effectiveness of the treatment is suitable in each case.

The following picture shows the structure used to present the information during the workshop.



The image shows a presentation slide for a workshop meeting. At the top right, it says 'MACHINEFABRIEK OTTO SCHOUTEN BV'. The Bentomet logo is on the left. The main title is 'DESIGN AND CONSTRUCTION OF A BENTONITES RECYCLING LINE FOR THE PRODUCTION OF A HEAVY METAL ADSORBENT'. Below that is 'WORKSHOP MEETING'. A bulleted list contains: 'WELCOME AND PRESENTATION OF THE COMPANIES', 'PRESENTATION OF BENTOMET PROJECT', and 'DEMONSTRATION INSITU OF THE OPERATION OF THE WASTEWATER TREATMENT SYSTEM'. At the bottom right is the European Union flag and the text 'Co-funded by the Eco-innovation Initiative of the European Union'.


MACHINEFABRIEK OTTO SCHOUTEN BV

 **Bentomet**

**DESIGN AND CONSTRUCTION OF A BENTONITES RECYCLING LINE
FOR THE PRODUCTION OF A HEAVY METAL ADSORBENT**

WORKSHOP MEETING

- **WELCOME AND PRESENTATION OF THE COMPANIES**
- **PRESENTATION OF BENTOMET PROJECT**
- **DEMONSTRATION INSITU OF THE OPERATION OF THE
WASTEWATER TREATMENT SYSTEM**


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In the picture below, people attending the workshop at Coolrec facilities can be observed.



5. CONCLUSIONS AND FINAL REMARKS

The different events in which BENTOMET has been presented during the last months have achieved a considerable number of participants and companies interested in the concept and results of the project. The audience has been very participative and some of the companies attending the operating demonstration of the wastewater treatment system at Coolrec are studying the possibility to integrate a similar device in their own facilities.

Therefore, it can be concluded that the objective of organizing workshops for disseminating and promoting BENTOMET results has been successfully achieved.

In order to continue the dissemination of BENTOMET results once the project is finished, all the partners of the project will establish contacts with different companies, according to the business plan (deliverable D6.2).