



CIP Eco-innovation
First application and market replication projects
Call 2013

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

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: Lurederra



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)	



Content

1	Summary	1
2	Organization of a Cluster Meeting	2
3	Organization of a Workshop	4
4	Conclusions and final remarks.....	6

1 Summary




The objective of deliverable 7.7 “Organization of workshops” is to show the organization of speeches, panel discussions and workshops related to the activities of BENTOMET project and, in general, related to the recycling and revalorization of waste on one hand and to the treatment of industrial wastewater on the other hand.

These activities are focused on achieving the maximum dissemination of the project scopes and they pursue the following key points:

- To disseminate the goals and technical approach of BENTOMET to 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 to the variety of technological available applications for recycling and for waste water treatment, as well as to discuss the actual advantages of recycling and of waste water treatments.

2 Organization of a Cluster Meeting

On July 2015, it took place in Lurederra a Cluster-Meeting with the main goal of exhibiting and publicizing the new products developed in the framework of the project “Recycling and reusing of all wastes produced during olive oil production in order to develop high added value products (RECYWASTEOLHIVA) – ECO/11/304331”. Technological Centre Lurederra took this opportunity to invite partners as speakers of other LIFE and ECOINNOVATION projects related to recovery and valorization of waste, being BENTOMET project between them, as it can be seen in the definitive agenda of the Cluster-Meeting that it is shown below.



RECYWASTEOLHIVA - CLUSTER MEETING

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

Agenda

Date: Thursday, 23th July 2015

10:00 – 10:15 Welcome and Presentation of Agenda
Lurederra

10:15 – 11:15 Session 1

- Recycling and reusing of all wastes produced during olive oil production in order to develop high added value products (RECYWASTEOLHIVA) – ECO/11/304331

Biosasun

- Showroom of the products developed on the project

Biosasun, Agua de Gracia, Inesfly

11:15 – 11:45 Coffee break

11:45 – 12:30 Session 2

- “Design and construction of a bentonites recycling line for the production of a heavy metal adsorbent” ECO/13/630345

Lurederra

- Implementation of a new phosphate removal tertiary treatment in WWTP (LIFE-REMPHOS)LIFE12 ENV/ES/000361

Lurederra, MAGNA

12:30 – 13:30 Session 3

- Design and construction of a windscreen recycling line of ELV (WS-REC) – ECO/09/256180

Lurederra

- Visit to the windscreen recycling line on L’Urederra facilities.

The contributions framed in the Cluster-Meeting were focused not only on the possibilities of Agro-Food Industry recycling, but also on the recycling of windscreens and treatments for removing phosphates of WWTP (waste water treatment plants), and it allowed getting a deeper insight into strategies of recycling technology and last advances in new treatments for waste water to all the interested parties.

The BENTOMET project presentation held in the cluster was a general exposition about the beginning and context of the project, objectives and scopes, consortium, carried out activities and current status, and finally applications and discussion about the processes. It can be downloaded from the website of the project: www.bentomet.eu

Dissemination of the Cluster-Meeting was made by mailing invitations to companies and organizations, and through web sites among others.

<http://www.recywasteolhiva.eu/> : Web site of the project RECYWASTEOLHIVA

<http://www.lurederra.es/> : Web site of Lurederra






The Cluster-Meeting was considered very useful and productive by the audience taking into account their comments, asks and discussions. A considerable number of persons participated in the meeting, networking with other projects. Furthermore, a complete visit to Lurederra facilities was carried out.



3 Organization of a Workshop

TITLE	<i>Workshop –“New technologies for water treatment”</i>
DATE	<i>Tuesday 17th of November of 2015</i>
TIME	<i>10:00-14:00</i>
VENUE	<i>Los Arcos (Navarre), SPAIN</i>

Definitive Agenda of the WATOP Workshop



LIFE-WATOP

WORKSHOP

“Workshop on New technologies for water treatment in Lurederra”

**Technological Centre Lurederra facilities.
Area Industrial Perguita, C/A nº 1
31210 Los Arcos, Navarra (Spain)**

Agenda of the Workshop

17th November, 2015

10:00 – 10:30 Opening

- Welcome by Lurederra

10:30-11:30 Session 1 (15 minutes per speaker)

- NEW TERTIARY WASTE WATER TREATMENT FOR ORGANIC MICRO-POLLUTANTS PPCPs (Pharmaceutical and Personal Care Products) “LIFE WATOP” By Lurederra and Cyclolab
- CYCLODEXTRINS APPLICATIONS AT WASTE WATER TREATMENT By Cyclolab
- IMPLEMENTATION OF A NEW PHOSPHATE REMOVAL TERTIARY TREATMENT IN WWTP “LIFE REMPHOS” By Lurederra
- NEW DEMONSTRATIVE PILOT PLANT FOR THE PURIFICATION WASTE WATER WITH OILS, FATS AND HYDROCARBONS “LIFE PURIWAT” By Lurederra

11:30-12:00 Coffee Break

12:00-12:30 Session 2 (15 minutes per speaker)

- INTEGRATED MANAGEMENT OF THREE ARTIFICIAL WETLANDS IN COMPLIANCE WITH THE WATER FRAMEWORK DIRECTIVE, AND THE BIRDS AND HABITATS DIRECTIVES (LIFE-ALBUFERA) By Fundación Global Nature
- DESIGN AND CONSTRUCTION OF A BENTONITES RECYCLING LINE FOR THE PRODUCTION OF A HEAVY METAL ADSORBENT. BENTOMET-ECO/INNOVATION By Lurederra

12:30-13:30 Visit to demonstrative filter in WWTP in Estella (SMSA)

During the Workshop it was shown how important is the investment in RTD in order to achieve better process and treatments for wastewater, not only as a way to minimize the environmental impact, but also to a better exploitation of the economic resources. The contributions framed in this Workshop were focused on the different fields of wastewater treatments, such as innovative processes to remove micro-pollutants (PPCPs), oils, fats and hydrocarbons as well as phosphates, and it allowed getting a deeper insight into strategies of water treatment technology and its last advances to all the interested parties.

Partners of the BENTOMET project, WATOP project and external well-known companies were invited as speakers in the workshop. Speakers expert in Cyclodextrin technology as Dr. Eva Fenyvesi, Project Manager at Cyclolab Ltd., a Hungarian leader Laboratory in the Research & Development of Cyclodextrins; Global Natura Foundation, expert in the contribution to maintain and restore habitat and endangered species, technological innovation and recovery of traditional farming activities; and Technological Centre Lurederra with its interesting lectures in the field of waste water treatments were very relevant. Invitation to interested external parties was made in order to attend the workshop mainly focused in companies of different sectors of application such as chemicals, water managers and wineries.

Dissemination of the Workshop was made by mailing invitations to companies and organisations, and through web sites among others.

<http://www.watop-life.eu/> : Web site of the project WATOP

<http://www.lurederra.es/> : Web site of Lurederra

The screenshot shows the website for the WATOP project. The header includes the WATOP logo and navigation links: PROJECT, DOCUMENTS AND GALLERY, NEWS, NETWORKING AND LINKS, CONTACT, ES, and ENG. The main content area features a news article titled "NEW TECHNOLOGIES FOR WASTE WATER TREATMENT CONFERENCE" dated 01/12/2015. The article includes a photograph of a presentation slide and a detailed text description of the event. A sidebar on the left lists various news items under the heading "News".

News

- > KICK OFF MEETING LIFE PROJECT WATOP
- > LIFE PROGRAMME INFORMATION SESSION IN THE UNIVERSITY OF NAVARRE
- > CYCLOLAB IS INVITED TO GIVE A LECTURE AT II INTERNATIONAL SUMMER SCHOOL ON CYCLODEXTRINS
- > PARTICIPATION ON SHOWW WORKSHOP ABOUT TREATMENT AND MANAGEMENT OF WASTEWATER
- > 1ST FOLLOW UP MEETING OF THE WATOP PROJECT
- > 2N FOLLOW UP MEETING OF THE PROJECT WATOP
- > 2N FOLLOW UP MEETING OF THE PROJECT IN LUREDERRA
- > 3RD FOLLOW UP MEETING
- > NEW DIRECTIVE PROPOSAL ABOUT DICLOFENAC IN THE FIELD OF WATER POLICY
- > NEXT 5TH FOLLOW UP MEETING IN SMSA
- > 5TH FOLLOW UP MEETING IN SMSA
- > NETWORKING WIRE
- > NETWORKING WOGANMBR
- > NETWORKING PHORWATER
- > NETWORKING AWARE
- > NETWORKING AQUEMFREE
- > NETWORKING LIFE-INSITRATE
- > NETWORKING RELEACH
- > NETWORKING ZELDA
- > NETWORKING SMARTHOSPITAL

NEW TECHNOLOGIES FOR WASTE WATER TREATMENT CONFERENCE
01/12/2015

Last 17th of November of 2015 the presentation of LIFE-WATOP project took place in the conference of New Technologies for Waste Water Treatment organized by Lurederra at its facilities in Los Arcos. The main objective of the session was to expose to the public the WATOP project, framed in the topic of new technologies for waste water treatment. Moreover, the most highlighted projects in which Lurederra participates were exposed too, for example LIFE-REMPHOS, ECO-BENTOMET and LIFE-PURIWAT projects. At the session, GLOBAL NATURA FOUNDATION made a presentation of its project LIFE-ALBUFERA, related with water treatments too. Regarding LIFE-WATOP project, a presentation with general information, objectives, backgrounds and the problematic which is wanted to be solved with the project and the achieved results along the project was done. After the conference, the developed pilot plant for water purification which is in SMSA's facilities at Estella, was visited.

4 Conclusions and final remarks

The different events: cluster-meeting and workshop in which BENTOMET project has been exhibited during the last 6 months have attracted a considerable number of participants, which is considered a very large amount and big success. The audience was very active, asking questions and networking with other RTD lines of work as well as with other projects.

Therefore it can be concluded that the objective of Deliverable 7.7, organization of Workshops framed in BENTOMET dissemination activities was finalized successfully, invited attendees showing their satisfaction and interest in future initiatives. The next step will be the organization of a workshop at the end of the project.



Figure 1. Speakers and audience during lectures.