

PROMOTIONAL EVENTS CONSORTIUM



“Alianzas Estratégicas y Open Innovation: de la teoría a la praxis”

Venue: MARM - Ministerio de Medio Ambiente y Medio Rural y Marino,
Plaza San Juan de la Cruz s/n 28071 Madrid
Date: 4th November 2010
Contact person: Mar Mesas email: m.mesas@fiab.es

COVAP

BRENNTAG



ttz Bremerhaven

BIOAZUL
AGUA • ENERGÍA • MEDIO AMBIENTE



FIAB
FEDERACION IBEROEUROPEA DE INDUSTRIAS DE LA ALIMENTACION Y BEBIDAS

PROWATER



eco-innovation 
WHEN BUSINESS MEETS THE ENVIRONMENT

WASTEred

Waste reduction and process optimisation in the European meat and dairy industry

Eco/08/239048/SI2.535244

“UECBV Working group on veterinary issues”

Venue: COCERAL, Rue du Trône 98, 4ème étage 1050 Brussels
Date: 4th November 2010
Phone: +32 (0)2-502.08.08
Contact person: Dr. Giuseppe Luca Capodiceci
email: info@uecbv.eu

Coordinator contact details:

Ms. Antonia Lorenzo (BIOAZUL S.L.)
C/Severo Ochoa 7 29590 Campanillas, Málaga
e-mail: alorenzo@bioazul.com
Tlf: +34 951 047 290
Fax: +34 951 047 353

Project Officer at the European Commission:

Ms. Anita Fassio
Project Officer
Executive Agency for Competitiveness and Innovation (EACI)
Unit 5 - Market Replication - Eco-Innovation and Intelligent Energy

Coming soon

16th December 2010, Brussels, Belgium, organized by UECBV

27th January 2011, Bremerhaven, Germany, organized by TTZ

28th March 2011, Hamburg, Germany, organized by BRENNTAG

4th April 2011, Nürnberg, Germany, organized by BRENNTAG

More info about the WASTEred promotional events available in the web of the project



www.wastered.eu

The responsibility for the content of this publication lies with the authors. It does not necessarily represent the opinion of the European Community. The EACI is not responsible for any use that may be made of the information contained herein. The information contained is given for information purposes only and does not legally bind any of the parties involved.





LODOred

Surplus sludge reducer at the source



The WASTEred project comes up to launch the LODOred product into the European market as an ECO-Innovative solution to reduce the waste generated during the wastewater treatment in the meat and dairy industries, since these sectors are two of the highest sludge generators within the food industry and the sludge management accounts for 50 % of the operating costs and for 65 % of the environmental impact of waste treatment. Moreover, the quantity of sludge generated in Europe is increasing substantially but environmental policies are becoming more stringent and fewer acceptable disposal routes are available, what enhances the LODOred value

ENVIROMENTAL OBJETIVES

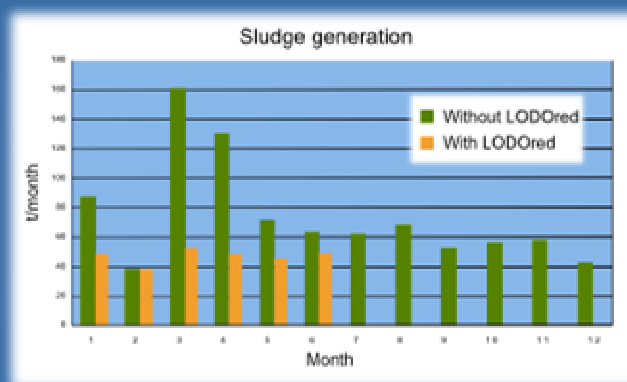
- Waste reduction in the targeted food industry sectors (- 35 % surplus sludge)
- Improving water quality of receiving water bodies by improving the treatment performance
- Facilitating access of SMEs to innovative "green" knowledge, increasing awareness and promoting networking by bringing a new ecoinnovative product on the market

WASTEred

ECONOMICAL OBJETIVES FOR THE WWTPs

- Reduction of sludge disposal costs (- 35%)
- Reduced polymers consumption for sludge dewatering (- 30%)
- Reduction of energy costs (- 25 %)
- Reduction of pollution fees (-20 %)
- Stabilization of treatment processes

CASE STUDY RESULTS



- More than 10 factories have participated in the project WASTEred as case studies
- Up to 35% sludge reduction was obtained in the case studies
- Up to 30% reduction of polymers in the dewatering process
- LODOred stabilizes the biological treatment process (buffer)

- Biomass purification efficiency enhancement
- Substantial surplus sludge reduction
- Biological process stabilisation
- Biodegradable
- No hazardous components
- Exhaustive quality control



- Designed for biological WWTPs without anaerobic digestion
- Municipal and industrial wastewater plants
- The product improves the floc structure, inducing a change in biomass metabolism, in particular promoting organic matter degradation (catabolism) while new cell biosynthesis (anabolism) is slowed down

