WASTEred

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

Eco/08/239048/SI.535244

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

ENVIRONMENTAL OBJECTIVES

- Waste reducing in the targeted food industry sectors, reducing at least 35 % surplus sludge in the three pilot plants in order to demonstrate the applicability in the meat & dairy industry within the project duration
- Improving water quality of receiving water bodies (lakes and rivers) by improving the treatment performance in the three selected WWTPs
- Reducing the "ecological footprint" of the complete wastewater treatment process in the food industry
- Facilitating access of SMEs to innovative "green" knowledge, increasing awareness and promoting nerworking, what will improve not only the competitiveness of these companies but the general access to new and innovative technologies and products too

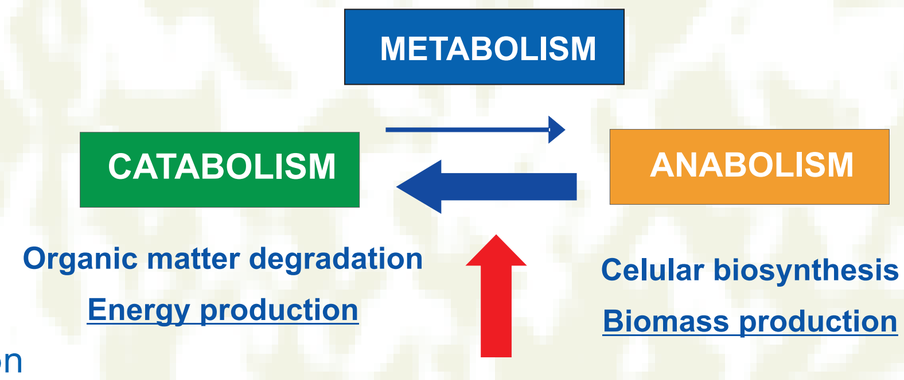
ECONOMIC OBJECTIVES

- Reducing disposal costs for sewage sludge (35%)
- Reducing costs for polymers for sludge dewatering (50%)
- Reducing energy costs (25 % energy reduction)
- Reducing pollution fees 20 % (pollution charge for quality of effluents)

LODOred

Sludge reducer in source

- Biomass purification efficiency enhancement
- Substancial surplus sludge reduction
- Biological process stabilisation Biodegradable
- No hazardous components
- Exhaustive quality control
- Designed for biological WWTPs without anaerobic digestion
- Municipal and industrial wastewater
- The product improves the floc structure, inducing a change in bimass metabolism, in particular promoting organic matter degradation (catabolism) while new cell biosynthesis (anabolism) is slowed down



CONSORTIUM

BIOAZUL WATER • ENERGY • ENVIRONMENT
ttz Bremerhaven
FIAB
COVAP
PROWATER
BRENNTAG

Coordinator contact details:

Ms. Antonia Lorenzo
Tel: (+34)951047290
Fax: (+34)951047353
Email: alorenzo@bioazul.com

www.wastered.eu