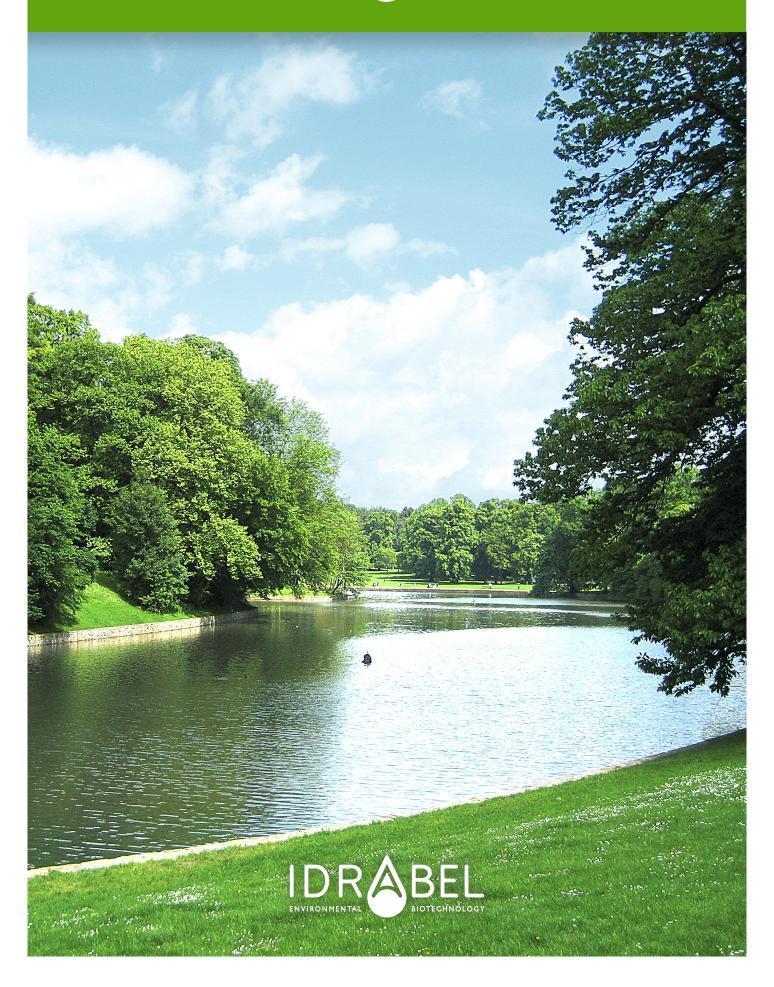
BIOONSE





BIO-VASE allows a considerable reduction in the height of silt and sludge deposits in ponds, rivers, canals and harbours. Our references show a reduction of up to 50% of sludge deposits. The process on which the treatment is based is the biological degradation of organic matter through the application of selected microorganisms that progressively break-down and dissolve the organic material accumulated.

One of the main strengths of **BIO-VASE**, in addition to its attractive price as compared to traditional methods, is that it is extremely user-friendly. Indeed, our method does not require any mechanical equipment and does not cause the slightest damage to the areas surrounding the waters being treated.

BIO-VASE is an ecological product, which breaks down silt, in contrast with traditional methods, which only displaces it.

By reducing the quantity of organic material, the application of our technology enables to restore the ecosystem balance. In fact, the use of **BIO-VASE** eradicates eutrophication events, drastically decreases the production of algae and the growth of invasive aquatic plants, and eliminates the production of repulsive odours.

BIO-VASE also allows for a significant reduction in the quantity of suspended solid matter, which improves the clarity of the water body treated.



Following the study of the water body, treatment is carried out in two phases separated by several months, and is structured so that the distribution of the product is as homogeneous as possible. The quantities required are of the order of 1,5/3,0 tonnes of product by application and by hectare of surface area (this figure can vary depending on the amount of sludge to degrade). The treatments are preferably

carried out in in spring or autumn.

The quantities of product applied are calculated thanks to different parameters: the height of the sludge, the total surface area, the physic-chemical qualities of the water and the biological aspects of the ecosystem.

BIO-VASE is easy to handle and does not require special equipment to be released into the water.



Average
REDUCTION
IN SILT
LEVELS
OF 50% over
18 months.



A 25 Kg bag of BIO-VASE breaks down up to 80 m³ of silt over 18 months.





BIOOVASE

BIO-VASE

Microorganisms.

Bio-fixation:

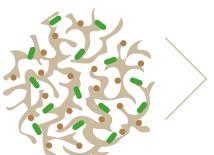
Porous mineral support.

Enzymes and oligo-elements.



IN-SITU DEGRADATION OF SLUDGE AND **ORGANIC SEDIMENTS**

- 80% reduction of the organic part of sediments.
- Increased water height and consequent increased navigability.
- Improvement of water flow.
- Reduction of the presence of rats and insects.

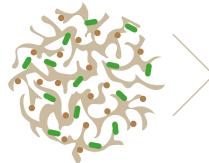






IMPROVEMENT OF BIOLOGICAL. PHISICAL AND CHEMICAL QUALITY OF WATER

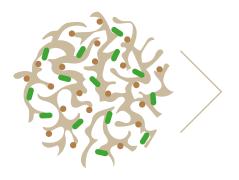
- Reduction of water turbidity.
- Increased concentration of dissolved oxygen and reduction of eutrophication events.
- Biological technology with no negative impact on fauna and flora.
- Supports biodiversity.





ELIMINATION OF H,S PRODUCTION

Elimination of odours.





POSSIBILITY OF TREATMENT OF EVERY **ORGANIC CONTAMINANT**

 Halogenates, surfactants, phenols, petroleum derivatives, PCBs, organic sulfur, organic nitrogen, fats, hydrocarbons, dioxins, cyanides, cresols, chloro-phenols, cellulose.



DCO, SS, REDOX

Increased dissolved O₂ and SS reduction.



