

ECOWATER TECHNOLOGIES



Golden Mussel Symposium in Alto Paraguay

As we announced in our previous newsletter, a important technical meeting between specialists, Latin American researchers, technicians and managers, dedicated to the study and control of the phenomenon caused by the invasion of *L. fortunei* (golden mussel) in the Alto Paraguay, took place in Florianópolis (SC-BR)

The Golden Mejjillion Symposium in Alto Paraguay, sponsored by ENGIE ENERGIA DE BRAZIL,, took place on 17/18 Oct. at the Engie Auditorium in Florianópolis.

Ecowater Technologies, S.L. was invited to participate for expose researchers, technicians and managers, characteristics and benefits of the Ecowater Method Innova, whose main actor is the biological molluscicide ZEQUANOX, created by Marrone Bio Innovation and whose rights for Europe correspond to TECHNOYMAR SOLUCIONES, S.L. and its subsidiary ECOWATER TECHNOLOGIES, S.L.

The representation of the company ECOWATER TECHNOLOGIES, S.L. It was presented by José Luis Soler CEO and founder of both companies together with Edilene Cotrim, responsible for ECOWATER in Brazil. Both directors They explained the details of the Ecowater Method around Zequanox and its efficiency in the control of Bivalves invaders

Important experts in control and study of phenomenon, as illustrated in the following pages, They participated as lecturers and speakers.

The Symposium was formed into two blocks of activities. The conference and subsequent round table on the 17th and the technical day of day 18. The contents and proposals of both days bring important advances in development of new control techniques.



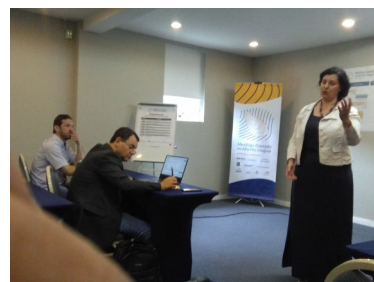
ZEQUANOX®

Invasive Mussel Control

CONFERENCES, PRESENTATIONS AND TECHNICAL WORKSHOP
DAYS 17/18 OCTOBER

"Images that illustrate the different interventions of scientists and researchers during the exhibition of the works and projects presented at the Mejillón Dorado Symposium in Alto Paraguay.

The presentation by ZEQUANOX was especially relevant for the first time in Brazil. This biological molluscicide developed by MARRONE BIO INNOVATION, innocuous with the aquatic environment and highly efficient in adults and larvae of *D. polymorpha* and *quagga*, will soon be applied to *L. fortunei*. These highly promising tests will be carried out at different laboratory scales and field work, thanks to technological cooperation agreements between ECOWATER TECHNOLOGIES and Brazilian research centers during 2019.



From our base in Brazil, we were able to hold technical, strategic meetings with managers of prestigious Brazilian research centers (LAPAD-SC), (ISTMA-MG).

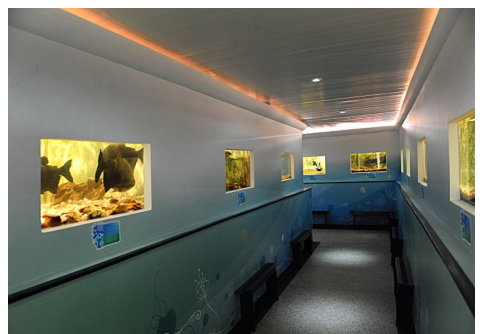
Special mention will be made of the INSTITUTE OF FISHERIES, attached to the Secretariat of Agriculture and Supply of the Government of Sao Paulo and with which our company maintains a technical cooperation agreement for the development of the RSPC-IEB project.

We visited the modern facilities and laboratories of the Center.

During the tour we could also admire the excellent aquarium where an important variety of native aquatic and marine species from Brazil is presented.

The foundations were also laid for the application of new innocuous and long-lasting products, to protect and maintain the infrastructures of aquaculture centers, especially net cages, against the incrustations of the golden mussel.

The Fisheries Institute (SP) a reference center in research



Aquaculture in Brazil



Aquaculture is the food production activity that grows most in Brazil and in the world, as a result new market opportunities arise. In this context, the Brazilian Serviço de Apoio às Micro e Pequenas Empresas (SEBRAE) has just published a study on the aquaculture market in Brazil.

The study "Aquicultura no Brasil" presents information on the current scenario of aquaculture in Brazil; the market potentials for aquaculture, and the distribution of aquaculture units.

According to the study, during 2013 the total production is 476 522 tons; the growth rate was 56% during the last 12 years; and the economic dimension of the business is approximately 3 billion per year. In terms of sectors, fish farming represents 82%, carcinogenicity 13%, malacoculture is 4%, reptiles and amphibians represent 1%.

Regarding the importance of aquaculture in the Brazilian regions, the Northeast represents 29%, the South represents 23%, the Center-West is 22%, the North 15% and the Southeast 11%. As for the main aquaculture states: Mato

Grosso, Ceará and Paraná are leading producers.

Brazilian fish farming is represented by: 43% of tilapia, 23 of tambaqui (gamitana) and 15% by tambacu (hybrid of gamitana and pacu). Only tilapia contributes 35% (169,000 tons) of Brazilian aquaculture production.

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ECOWATER TECHNOLOGIES



We take care of the water



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