The company

BIOAZUL S.L. is a company specialised in innovation and R&D consulting and commercialisation of innovative products in the fields of water, energy and environmental protection. The highly qualified staff of BIOAZUL (composed by scientists and engineers) has an extensive experience in the preparation and management of R&D projects (including EC funded ones with large amount of partners, such as several Thematic Networks, Coordination Actions, Collective Research, etc.) and in R&D activities in the fields of water and wastewater management, renewable energies (specially concerning biomass), energy efficiency and environmentally-sound agriculture.

BIOAZUL is an engineering company devoted to environment, energy and water with two interconnected business areas: R&D consultancy, being a catalyst, promoter and facilitator of R&D projects, and commercialisation of innovative products related to water, environment protection and energy efficiency, working on the marketing of 3rd parties' highly innovative products as well as on R&D and marketing of own products.

Regarding project management, BIOAZUL has in-depth know-how both of the available funding tools (mainly the 6th and 7th Research Framework Programme of the European Commission), and of the necessary technical and administrative procedures for carrying out public-funded R&D. This knowledge together with the extensive network of technological and commercial contacts all over Europe of the company has facilitated BIOAZUL to set up strong R&D proposals finally funded by the EC, in which BIOAZUL is taking care of the management and co-ordination tasks, as well as R&D tasks.

Our products

- BIOAZUL commercialised its own product, LODOred100k, to reduce the surplus sludge generated in wastewater treatment plant.
- Sequencing Batch Reactors (SBR): non-conventional wastewater treatment technology based on activated sludge for isolated locations and small villages.

Our projects

Within the 6 Framework Programme:

- **AGROBIOGAS:** An integrated approach for biogas production with agricultural waste. COLL-CT-2006-030348.
- **BIOPROS:** Solutions for the safe application of wastewater and sludge for high efficient biomass production in short-rotation plantations. COLL-CT-2005-012429.
- **CLEANSOIL:** An innovative method for the on-site remediation of polluted soil under existing infrastructures. INCO-CT-2005-013420. BIOAZUL was administrative coordinator.
- **GREENERGY:** Energy optimisation in European greenhouses. COLL-CT-2005-012566.

Severo Ochoa 7, Edificio Módulos Tecnológicos
IB29590 Campanillas, Málaga
www.bioazul.com
Phone: +34 951047290
Fax: +34 951047353
e-mail: info@bioazul.com

- **IWAPIL:** Innovative wastewater treatment applications for isolated locations. COOP-CT-2004-508144.
- **NETBIOCOF:** Integrated European network for biomass co-firing. SES6-CT-2005-020007. BIOAZUL was administrative coordinator.
- **NETSSAF:** Network for the development of sustainable approaches for large scale implementation of sanitation in Africa. CT-037099. BIOAZUL is administrative coordinator.
- **NUTRISENE:** Improving the quality of life of elderly people by co-ordinating research into malnutrition of the elderly. Food-CT-2003-506382.
- **PLASTER+:** Innovative production of high quality indoor earth plaster by adding cattail fibre. COOP-CT-2006-031287. BIOAZUL was administrative coordinator.
- **PROMEMBRANE:** Promotion and focussing of current research activities of membrane technology in water treatment in the Mediterranean region. CT-31773. BIOAZUL was administrative coordinator.
- **PURATREAT:** New energy efficient approach to the operation of membrane bioreactors for decentralised wastewater treatment. INCO-015449. BIOAZUL is administrative coordinator.
- **TDC-OLIVE:** Setting-up a network of technology dissemination centres to optimise SMEs in the olive and olive oil sector. FP6-2002-FOOD-1.
- **WACOSYS:** Monitoring and control system for wastewater irrigated energy plantations. COOP-CT-2004-512877. BIOAZUL was administrative coordinator.
- **WAFLA:** Integrated water resource management by the implementation of improved agro-forestry concepts in arid and semi-arid areas in Latin America. INCO-2006-032443. BIOAZUL is administrative coordinator.
- **GRUB'S UP**: Recycling and Upgrading Wastes from Food Production for use within the Food Chain. FOOD-CT 2005-514049

Within the 7 Framework Programme:

- **ISSOWAMA:** Integrated Sustainable Solid Waste Management in Asia. 211873 CSA-CA
- **ALGATEC:** Biotechnological recycle of olive mills washing water by microalgae. 232331 Research for SMEs
- **SANBO:** Development of an innovative sanitation and wastewater treatment system for remote located tourist facilities. 232274 Research for SMEs

At national level

- Development and optimisation of a surplus sludge reducer, LODOred[100k].
- Optimisation of mobile and compact Membrana Bioreactors for wastewater treatment in remote areas.
- Optimisation of an innovative sequencing batch reactor (SBR) for the treatment of typical wastewater from South Europe.

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