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Ambiente

Partner Search PORTUGAL - Environment

01 dicembre 2017

Partner Search PORTUGAL - Environment

Partner Search from PORTUGAL in ENVIRONMENT.

------- PARTNER SEARCH ENV-PT-LCP-1 --------

<Reference n.: ENV-PT-LCP-1>
<Deadline: 25/02/2008>
<Programme: > Environment (incl. Climate Change)
<Project Title: AQUASOLAR:
AQUAPHOTOBIO-APPLICATION OF COMBINED SOLAR PHOTOCATALYSIS AND BIOLOGICAL OXIDATION TREATMENT OF AQUACULTURE WASTEWATER>
<Financial Scheme: > Large Collaborative Project
<Description: Chemistry; Biology; Ecotoxicity; Solar, Photocatalysis
Abstract:Aquaculture contributes significantly to the world food supply, providing around 30% of fisheries production. Because capture fisheries are being exploited to their sustainable limit and beyond, aquaculture is expected to continue to have an important role. Aquaculture has become large enough to have significant impacts on the environment and natural resources, and a number of concerns have been expressed by both environmental activists and scientists. Pressure from environmental groups will force most governments to impose effluent regulations on aquaculture.A variety of chemicals are used in aquaculture for purposes such as sediment and water management, enhancement of natural aquatic productivity, feed formulation, growth promotion, health management, processing and adding value to the final product. Among the many chemical substances used in aquaculture, particular attention should be given to the use of antibacterial agents in order to prevent or and treat infections. A certain portion

of the applied substances enter into the environment via effluent. For example, the vast majority of oxytetracycline and oxolinic acid provided is likely to leave the farm as particulate wastes because of feed wastage and poor digestive absorption of these drugs. Discharge of these contaminated feeds and faeces is likely to occur continuously at low concentrations but may be greater at certain periods of the production cycle such as during tank or pond cleaning. While methods for controlling suspended solids, BOD and nutrient discharges from aquaculture have been well studied, there are few established methods to remove residues of chemotherapeutants, pesticides and other chemicals.AQUAPHOTOBIO Project main objective is the characterization of aquaculture effluents and application of combined technology for effluent remediation. This general objective is expected to be achieved by the successful obtainment of the following scientific and technological partial objectives. The scientific expected result is the development of a system to eliminate antibacterial agents (4-Quinolones: nalidixic acid, oxolinic acid and flumequine; Tetracyclines: Oxytetracycline) in aquaculture effluents using the UV radiation form sunlight, combined with biological treatment. The proposed technology would be based on the photocatalytic generation, by using sunlight, of hydroxyl radicals by TiO2 and Fenton reagents to, respectively, detoxify and disinfect contaminated aquaculture effluents. Aquaculture effluents will be monitored and managed, to avoid or reduce any negative environmental impacts, in order, to establish environmental standards and practises that will protect the surrounding environment, and to ensure compliance with regulations.

Role of University: Degradation of 4-Quinolones (nalidixic acid, oxolinic acid and flumequine) and Tetracyclines (Oxytetracycline) by Fenton Photocatalysis combined with biological oxidation.>
<Organisation Type: University>
<Partner Sought:

1. Looking for coordinator.
2. Looking for partners from Spain, Switzerland, Germany, Italy, Greece.
Expertise required of new partners:
Analytical Expertise (Bacteriological, Ecotoxicology and Physical/Chemical)Solar Photocatalytic TechnologyBiological Oxidation TechnologyResearch and Innovation:Analytical ProceduresSolar PhotocatalyticBiological Oxidation

Partners already involved:
Ao Sol, Energias Renováveis, Lda. (Solar Collectors Development)INETI - Instituto Nacional de Engenharia, Tecnológico e Inovação - Lisboa, Portugal (TiO2 Photocatalysis)Ecosystem Environmental Services, SA.- Barcelone, Spain (Prototype Construction>

Partner Search PORTUGAL (2) - Environment

------- PARTNER SEARCH ENV-PT-SMCP-9 --------

<Reference n.: ENV-PT-SMCP-9>
<Deadline: 25/02/2008>

<Programme: > Environment (incl. climate change)
<Project Title: BioEnv - Human exposure to environmental pollutants and its potential health effects - towards human biomonitoring>
<Financial Scheme: > Small collaborative project
<Description: - ENV.2008.1.2.1.4 New, improved and validated biomarkers to investigate longterm health impacts of exposure to environmental pollutants
Abstract:The effect of environmental pollutants in human health is a conjunction of a great number of factors. Some effects on health may be short-term and reversible, but other may be chronic or even fatal. Anthropogenic substances accumulated in the environment can in the long run have serious consequences in human health. The aim of this project is to strengthen our understanding of the linkage between environmental pollution and disease.Human Biomonitoring is an effective tool to assess human exposure to environmental pollutants and their potential health effects. Biomarker data are considered most relevant for risk assessment studies. For this purpose, biomarkers will be used as molecular indicators of environmental exposure in epidemiologic studies. The team is interested in developing monitoring systems, materialized in the systematic collection, analysis and interpretation of data of exposure to environmental pollutants and their effects in human health.Main tasks include:

1) Assessment of the applicability of bioassays;
2) Evaluation of currently used biomarkers and definition of new ones, if appropriate;
3) Definition of the nature of the chemical agentsbe considered as well as the nature of the biological material to be collected;
4) Collection and evaluation of data;
5) Elucidate the linkage between environmental pollution and diseases, supporting environmental management efforts;
6) Development of tools to disseminate the information to professionals. to study, the population group to

<Organisation Type: Centro di Ricerca>
<Partner Sought:
Looking for 1) coordinator and 2) other partners.
Partners should be researchers.
Expertise required of new partners:
-Expertise/Competences/Technologies:- Experience on bioassays- Knowledge on biomarkers- Collection of health related data

Own expertise:
- Knowledge on environmental risk assessment;- Development of methodologies for environmental data collection;- Inventory of environmental, health and socioeconomic relevant data;- Data collection and analysis;- Development of communication strategies and tools.>

Partner Search PORTUGAL (3) - Environment

------- PARTNER SEARCH ENV-PT-CSA-1 --------

<Reference n.: ENV-PT-CSA-1>
<Deadline: 25/02/2008>

<Programme: > Environment (incl. climate change)

<Project Title: ENVHEALTHIS - Environment and health Information system - Building an integrated network on environment and health data>
<Financial Scheme: Coordination and Support Action (CSA) - coordinating type
<Description: ENV.2008.1.2.1.6 Databases based on European cohort studies and their exploitation for advancement of knowledge of environment-health relationships
Abstract:The interaction between Environment and Health is well recognised. Relevant data on environment and health have been collected over the last years. It is therefore important to harmonise and integrate these data, in order to better understand the multi-cause relationships and identify risk areas, enabling an efficient intervention at these levels.The aim of this project is to develop a comprehensive environment and health information system. This will allow the establishment of an environment and health network of professionals, creating the conditions to manage real time data on potential environmental risks and health effects.Main tasks will include:
1) Monitor environmental risk factors;
2) Epidemiological studies;
3) Integration of environment and health data;
4) Develop an environment and health information system;
5) Identification of potential risk areas;
6) Create a network of health professionals on health;
7) Implement an alert system.>
<Organisation Type: Research Center>
<Partner Sought: Looking for 1) coordinator and 2) new partners.
Expertise required of new partners:
- Software for environment and health database- Information systemsResearch and Innovation:- Environmental and health indicators
Own expertise:
- Expertise on environment monitoring ;- Use of indicators to assess environmental status;- Environmental data collection and analysis.>

Partner Search PORTUGAL (4) - Environment

------- PARTNER SEARCH ENV-PT-SMCP-10 --------

<Reference n.: ENV-PT-SMCP-10>
<Deadline: 25/02/2008>
<Programme: > Environment (incl. climate change)
<Project Title: EMF HUMAN EXPOSURE - EMF and human exposure assessment >
<Financial Scheme: > Small collaborative project
<Description: ENV.2008.1.2.1.1 Health impacts of exposure to radio frequency fields in childhood and adolescence

Abstract:EMF (Electromagnetic fields) of all frequencies represents a common and growing environmental influences: all populations are exposed to varying degrees of EMF, and the levels will continue to increase as technology advances.Scientific knowledge about the health effects of EMF is substantial and is based on a large number of

studies, but the most consistent evidence to date concerns childhood leukaemia. Potential health effects of exposure to EMF need scientific clarification. The aim of this project is to better understand on one side the effect of EMF on human health and on the other side identify potential risk areas and implement a monitoring system.The project includes, namely:
- analysis of the linkage between EMF exposure and diseases as probably being related;
- define data/needed and criteria to select potential risk areas in a country and it's more vulnerable group;
- develop a database to integrate the collected information;
- implement a monitoring system based on quantitative values such as reference levels and safety factors;
- provide advice to national authorities, other institutions, the general public and workers, about any hazards resulting from EMF exposure;
- identify and disseminate preventing measures;
- develop an adequate communication strategies;
- develop an appropriate response through guidelines, recommendations and information dissemination.>

<Organisation Type: Research Center>
<Partner Sought: Looking for 1) coordinator and 2) new partners.
Expertise required of new partners:
Experience on assessment of the contribution of EMF in mortality and morbidity;·
Knowledge on the effects of EMF;
Collection of environmental and health related data.
Research and Innovation:Research on health effects related to EMF
Own contribution:
- Proceed to the correct execution of all the previously mentioned stages of the project at country level.>

Partner Search PORTUGAL (5) - Environment

------- PARTNER SEARCH ENV-PT-CSA-2 --------

<Reference n.: ENV-PT-CSA-2>
<Deadline: 25/02/2008>
<Programme: > Environment (incl. climate change)
<Project Title: AHEN - Adverse Health Effects of Noise>
<Financial Scheme: Coordination and Support Action (CSA) - coordinating type
<Description: ENV.2008.1.2.1.3 European research network on noise and health

Abstract:
Noise seriously harms human health and interferes with people's daily activities.In comparison to other pollutants, the control of environmental noise has been hampered by insufficient knowledge of its effects on humans and of dose-response relationships, as well as a lack of consolidated criteria.The aim of this project is to strengthen our understanding of the linkage between noise exposure and human health effects, particularly on vulnerable groups.In this perspective,

practical action to limit and control the exposure to environmental noise is essential. Such action must be based upon proper scientific evaluation of available data on effects, and particularly dose-response relationships.
Main tasks include:
- Collection and evaluation of data;
- Identification of vulnerable groups;
- Collect data on an environmental noise claims;
- Research on health effects related to noise exposure;
- Implementation of a geo-reference system on environment noise.>

<Organisation Type: Research Center>
<Partner Sought:
Looking for 1) coordinator and 2) new partners.
Expertise required from new partners:
- Knowledge on health effects related to noise exposure;
- Collection of noise data.Research and Innovation:
- Research on health effects related to noise exposure>