
Enterprise Europe Network - 3 FPVII Partner search

22 settembre 2010

1) PS EUROSTARS Project: A computer tool for efficient irrigation management
PARTNER REQUEST

BBS Ref : 10-09-PS-irrigation

Title : Urgent: PS EUROSTARS Project: A computer tool for efficient
irrigation management

ABSTRACT:

A Spanish company has written a EUROSTARS proposal in order to develop a user-friendly computer application, suggesting more efficient irrigation schedules. These schedules should be adapted to local soil properties and actual evapotranspiration values. The project has already partners from Italy, Greece and Cyprus, but they would like to include some other partners from Portugal and France. The new partners should be SME's. Urgent answer is requested since call deadline is on September 30th.

DESCRIPTION:

A Spanish company has written a EUROSTARS proposal in order to develop a user-friendly computer application, suggesting more efficient irrigation schedules. These schedules should be adapted to local soil properties and actual evapotranspiration values.

The European R&D results regarding irrigation could mean a significant improvement of water-use efficiency. An important contribution regards the use of soil moisture sensors, wireless data transfer and other technology aimed to automatic irrigation. However, most of those research results are still not enough applied, neither disseminated.

As result of the R&D efforts, there are tools to help farmers to manage irrigation in an efficient way. Such tools are good enough already to provide irrigation recommendations to unprepared farmers, if they are

developed in a friendly environment. Accordingly, this project is aimed to develop a computer application to suggest optimum irrigation schedules, based on soil properties and actual evapotranspiration values, that would increase water use efficiency and energy savings.

The application will have personalized databases of soil properties and crops coefficients, measured previously. Simulation models will be used to estimate the optimal irrigation timing. Models must be calibrated and validated in the field. The application will include cost-benefit analysis of several irrigation strategies, including deficit-irrigation, taking into account energy and water costs, as well as other inputs. The simulations will be validated comparing moisture-sensors measurements with the model results. The differences between simulations and sensor measurements will be corrected automatically. The computer application will be developed and tested in particular farms of Spain, Italy, Greece, Cyprus, Portugal and France considering the farmer opinions at each case.

The project is already defined, and it has already partners from Italy, Greece and Cyprus, but they would like to include some other SME partners from Portugal and France.

Urgent answer is requested since call deadline is on September 30th.

Development stage : Proposal Under Development

European funding source(s) : Eureka

Type of Project: Joint Technology Initiative

Keywords : Agriculture Machinery/Technology (007001001), Precision agriculture (007001007), Automation, Robotics Control Systems (001001001), Smart Appliances (001002022), Environment Management Systems & Documental Management Systems (001003006)

Organisation type : Company

Organisation size : <50

Other details : Environmental and geological consultancy and engineering firm.

Target partner organisation type(s) : SME (<250 employees)

Target partner expertise sought : We look for SMEs related to the following sectors: Agronomy, environment, Instruments and technology to manage water, Information technology

Depending on the profile, the SME could keep relations with local farmers, having the possibility of participating in the software development.

Application domains : Environment protection, Agriculture - Forestry, Food - Agro Industry

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Entry date : 14/9/2010

Update date :

Deadline for responses: 28/9/2010

2) SME specialists in pharmacokinetics of drugs for cancer treatment - FP7-HEALTH-2011 two-stage, Topic HEALTH-2011.1.1-2

PARTNER REQUEST

BBS Ref : 10 AT 0111 3IM3

Title : SME specialists in pharmacokinetics of drugs for cancer treatment - FP7-HEALTH-2011 two-stage, Topic HEALTH-2011.1.1-2

ABSTRACT:

The Department of Operative Medicine of an Austrian Medical University is leading an FP 7 experienced consortium submitting a proposal in the FP 7 HEALTH 2011 call (2011.1.1-2). The proposal is related to the development of exhaled breath diagnostics for effective stratification of responders from non-responders in personalised medicine. SMEs with expertise in pharmacokinetics of drugs for cancer treatment are invited to become partners in a medium-scale focused research collaborative project.

DESCRIPTION:

The aim of the project is to reduce adverse drug effects by combining exhaled breath tests with pharmacogenomic strategies.

The project will focus on genetic deficiencies for drug metabolism with the development of (exhaled) breath-based tests using isotopically-labelled precursor compounds. Only stable isotopes (such as ¹³C, ¹⁸O and ¹⁵N) will be considered.

These breath-based tests will predict responses to drug treatment, avoid chronicity, prevent relapse and reduce adverse effects. The breath-based tests will allow determining the phenotype of persons to be determined and will complement genetic testing.

For breath analysis the following analytical techniques will be used: PTR-TOF, GC-MS, IRMS and photo ionization mass spectrometry

It is expected that new approaches, substances, compounds, and/or

organisms will result from this medium-scale focused research collaborative project (project budget 6 M Euros). Scientific exchange and other valuable future co-operations may also be feasible

Development stage : Proposal Under Development

European funding source(s) : FP7 - Co-operation, Health

Type of Project: FP7 Collaborative Research

Keywords : Cytology, Cancerology, Oncology (006001004), Medical Research (006001013), Medical Technology/Biomedical Engineering (006001014), Pharmaceutical Products/Drugs (006001016)

Organisation type : University

Organisation size : 250-500

Other details : The department works on the development of exhaled breath diagnostics for effective stratification of responders from non-responders in personalised medicine.

Target partner organisation type(s) : SME (<250 employees)

Target partner expertise sought : Technology development and research tasks in the following fields:

pharmacokinetics of drugs for cancer treatment (e.g. imatinib, dasatinib, nilotinib, gefitinib) with special consideration for cytochrome P450 enzymes.

This expertise should come from an SME.

Application domains : Medicine, health

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Entry date : 15/9/2010

Update date :

Deadline for responses: 10/10/2010

3) HEALTH.2011.2.3.1-4 - Novel colometric diagnostic platform for screening of antibiotic resistance of bacteria

PARTNER REQUEST

BBS Ref : HE_diagnostic_platform_0910

Title : HEALTH.2011.2.3.1-4 - Novel colometric diagnostic platform for screening of antibiotic resistance of bacteria

ABSTRACT:

A German University is going to submit a proposal under the call: HEALTH.2011.2.3.1-4. Aim is the development of a new simple and inexpensive diagnostic platform for detection and screening of bacteria and their antibiotic resistance.

The consortium is still looking for SME partners interested in research and development of antibiotics or in the development of platforms for screening antibiotic resistance of bacteria.

DESCRIPTION:

The bacterial resistivity/susceptibility screening platform to propose will be a polymer/gel construct that will allow screening antibiotic resistance/susceptibility of bacteria through visible color changes. The new diagnostic platform based upon a biomimetic sensing system comprising a chromatic polymer reporter and lipid scaffolding displays high sensitivity and specificity combined with easy application by non-experts which allows bedside determination and diagnosis of antibiotic resistance. (Silbert et al., 2006, Appl. Environ. Microbiol. 7339-7344).

Development stage : Proposal Under Development

European funding source(s) : Health, FP7 - Co-operation

Type of Project: FP7 Collaborative Research

Keywords : Diagnostics, Diagnosis (006001006), Diseases (006001007), Medical Research (006001013), Virus, Virology/Antibiotics/Bacteriology (006001019), Microbiology (006002006)

Organisation type : University

Organisation size : 50-249

Other details : The institute is active in the development of diagnostic assays

Target partner organisation type(s) : SME (<250 employees)

Target partner expertise sought : SME interested in research and development of antibiotics in order to apply them in the screening platform that is going to be developed within the project.

SME which develops platforms for screening antibiotic resistance of bacteria

The SME (s) must be located in the EU outside of Germany

Application domains : Medicine, health, Biotechnology, Veterinary,
Pharmaceutical/Comestics, Environment protection, Food - Agro Industry

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