EUFAR JOB OPPORTUNITY
WEB-BASED FLEET PLANNING DEVELOPER

COMPANY: Météo-France

Address:
METEO-FRANCE / CNRM / EUFAR Office
42, avenue Gaspard Coriolis
31057 TOULOUSE Cedex 1
FRANCE

Contact:
Jean-Louis Brenguier
Email: bureau@eufar.net

PROJECT DESCRIPTION:

The European Facility for Airborne Research (EUFAR) is an European Commission Infrastructure Integration Initiative with the purpose of coordinating the operation of instrumented aircraft and hyperspectral imaging sensors, exploiting the skills of experts in airborne measurements in the fields of environmental and geo-sciences, to provide researchers with the infrastructure best suited to their needs and to provide training opportunities for students and new users.

EUFAR brings together 33 leading European institutions and companies involved in airborne research in the field of environmental research in the atmospheric, marine, terrestrial and Earth sciences, operating more than 30 instrumented research aircraft. More information is available on the EUFAR website, at www.eufar.net

Within EUFAR's aircraft coordination activities, it is essential that researchers and students can easily find opportunities in the fleet for training and research projects. Thus, an aircraft planning system is required to give members of the EUFAR network the best available overview of the fleet's status. The aircraft information and planning system will be kept up to date by the aircraft operators, or alternatively, will have the capability to retrieve data from the operators' internal planning systems.

A planning system for the aircraft fleet already exists on the EUFAR website (http://eufar.net/calendar/new/year.php?year=2011), however, it is outdated and difficult for operators to easily update. Thus, we propose implementation of a new planning system taking advantage of new technologies to facilitate use by aircraft operators.
The candidate will closely work with the EUFAR webmaster.

TASKS TO BE PERFORMED:

1. Development of web-based fleet planning system:
- creation/implementation of calendar GUI showing projects by different views filterable by aircraft with separate public and private sections
  - ability for operators to add/modify/delete projects and details for their aircraft after validating their credentials
  - ability for operators to set sharing permissions for specific events or event details
- integration with existing EUFAR MySQL database for project, operator, aircraft and other information

2. Create an interface between EUFAR web planning system and operators' independent systems:
- work with operators to determine their needs and independent planning usage information
- create method to easily import/export planning details in common format or protocols (e.g. CalDAV)

SKILLS REQUIRED / PROFILE:
- Qualification level: Bachelors degree or equivalent in Computer Science or equivalent experience
- English required, especially written skills (communication of the project is exclusively in English)
- Experience in web application development (Java, JavaScript, HTML, CSS, PHP)
- Experience in MySQL
- Experience with versioning systems a benefit
- Qualities expected: rigorous, organized, autonomous
- Knowledge of airborne research a plus

First job experience accepted.
Contract: 6 months contract (CDD). The appointment will be for a period starting in January 2012 and will be based in Toulouse, France.
Salary: In the range 1900€ to 2500€ net depending on experience.

Curriculum Vitae, motivation letter and letter of recommendation, all in English, to be submitted before September 30th 2011 by email at bureau@eufar.net.
Portfolio of previous work is welcomed.

Interviews in English planned in October 2011.