

PhD Studentship Opportunity

Centre Tecnològic Forestal de Catalunya (CTFC) – University of Lleida

Carbon, water and energy fluxes and stocks in mountain ecosystems: influence of climate and land use.

The ECOFUN laboratory (<http://ecofun.ctfc.cat/>) is looking for a dynamic and highly motivated PhD candidate to carry out his research on the influence of **climate and land use on carbon, water and energy fluxes and stocks in mountain ecosystems**, within the wider context of the European Project FLUXPYR (www.fluxpyr.eu).

Work to be undertaken:

The successful candidate will carry out ecosystem studies in north-eastern Spain, and will investigate ecosystem productivity, functional diversity, carbon, water and energy fluxes and stocks. The work will involve vegetation sampling to evaluate cropland and pasture productivity, soil sampling and analysis, chamber measurement of soil/atmosphere CO₂ and N₂O exchanges. Data collected will be coupled with eddy covariance measurements to elaborate carbon and energy budgets at the field and regional scales, and results will be published in peer-reviewed journals. The candidate will collaborate with multidisciplinary teams of international researchers.

Required profile:

- Highly motivated student with a Higher degree, Engineer diploma or Masters degree in ecology, environmental sciences or related disciplines, outstanding grades, and keen to carry out intensive field work in mountain environment.
- Good level of spoken and written English.
- A full clean driving license.

PhD starting year: 2010

Funding: Subject to the obtention of a competitive scholarship (See <http://www10.gencat.cat> and <http://www.micinn.es>)

Candidates should send their CV, a presentation letter stating their interest and suitability for the position, and the names and contacts of two references to Fabrice Gouriveau at fabrice.gouriveau@ctfc.cat, with copy to Maria-Teresa Sebastià at teresa.sebastia@ctfc.cat. CTFC is an equal opportunity employer.