



## Research and Innovation Centre

<b>Job posting – Job opportunity Post doc offer</b>		<b>Vacancy Code 052_AMB_PDRSFE</b>
Job title	Post doc in Remote sensing in forest ecosystems	
Tasks	<p>Primary responsibility is to analyse high resolution hyperspectral and Lidar data of forest ecosystems located in the complex alpine region.</p> <p>The scientific activity aims to understand the sensitivity of carbon and nitrogen cycles to climate and land use changes using spatially process-based models, remote sensing and other spatial techniques on a range of different spatial scales. Models development and analysis, parameter estimation, sensitivity analysis and simulations of different scenarios are other objectives.</p>	
Keywords	Remote sensing , forest ecosystem, carbon balance, Lidar data	
Contract type and length, salary	Project collaboration - 2 years; Gross annual salary 31.214,00 Euro	
Languages knowledge	English	
IT knowledge	R and/or other statistic programmes, computer language such as C or FORTRAN	
Requested title to join the selection	PhD	
Type of title	PHD in Forest Ecology, Biogeosciences, Environmental Science, Ecosystem Ecology, Information Technology or similar.	
Requested experience	<p>Experience with Lidar and hyperspectral data analysis in complex areas and previous work with large database are required. Candidates will be preferably familiar with a programming language such as C, FORTRAN, or MATLAB and have prior experience or training in forest ecosystems classification and analysis of Lidar data for forest structure and biophysical parameter estimation.</p> <p>The candidate should also have experience in planning and implementing scientific projects, including writing research proposals, and have a good written scientific record.</p>	
Supervisor	Damiano Gianelle (gianelle [AT] cealp.it)	



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**Application**

To apply for the position the applicants should send a message mentioning in the subject the code (052\_AMB\_PDRSFE) to the email account **risorseumane.centroricerca[AT]iasma.it** including the following items:

1. an up-to-date CV (Please add the following phrase to your CV otherwise your application will not be considered: I consent to the use of my personal data in accordance with the provisions of decree 196/2003). Save your file in this way: **Surname Name\_cv.doc** or .pdf;
2. the filled application form available online (052\_AMB\_PDRSFE\_Application). Save your file in this way: **Surname Name\_af.doc**;

**The deadline for the submission of the applications is the 14<sup>th</sup> March 2010** – we will accept speculative applications after this date.

**Short list candidates**

FEM will short-list the applicants. The selected and non selected candidates will be notified. Short-listed candidates will be contacted for a phone interview or invited for interview in San Michele.

**Information about CRI**

The Research and Innovation Centre of the foundation (CRI), with more than 200 employees, has a mission to promote and enhance the Trentino land-based economy through studies and innovation that improve agricultural and environment products and enhance the quality and nutritional value of food products. It sustains the region's environmental resources through development and promotion of low-impact agricultural practices, study and preservation of biodiversity, and characterisation of alpine and subalpine ecosystems. The centre operates fully integrated research programs and state-of-the-art platform technologies to deliver innovative solutions and competitive products for our stakeholders and end-user communities. The CRI concentrates its actions in three main areas of interest: 1) agriculture: 2) food and 3) environment. In carrying out its programme, the CRI will maintain a firm territorial basis to its operations, with full acknowledgement of the global dimension of research and the necessity for competition in international contexts.

**Equal opportunities**

The position is open to both genders, Law n. 903, 9/12/1977, art. 1. The policy and practice of the Edmund Mach Foundation require that all staff are offered equal opportunities within employment.

**Data treatment**

All data supplied by applicants will be used only for the purposes of determining their suitability for the position and will be held in accordance with the principles of the Personal Data Protection Code, Legislative Decree no. 196 of 30 June 2003. By sending the Cv and application, the candidate consent and authorize the Foundation to the use of his/her personal data.