

## PROJECT REFERENCE NUMBER: IES-2010-301022

Post-Doctoral Research Project Title	<b>Modeling greenhouse gas fluxes in terrestrial ecosystems</b>
Project Description	<p>The Climate Change Unit is looking for a researcher to perform assessments of trace gas fluxes from terrestrial ecosystems in Europe. The successful candidate will:</p> <ul style="list-style-type: none"> <li>• Contribute to the improvement of models that comprehensively assess the nitrogen and carbon cycles in forest and agricultural systems at the regional and global scale</li> <li>• Contribute to the development of meta-models combining results of various models, field observations and remote sensing products into a consistent and integrated modeling framework.</li> </ul>
Qualifications	<p>The ideal candidate should have a PhD (or a university degree <u>and</u> 5 years relevant experience) in the fields of agricultural, forest or environmental sciences, environmental statistics or a related field.</p> <p>Excellent programming skills (Fortran, C++, or GAMS) are essential. Experience with statistical packages (e.g. R) is an asset.</p> <p>Knowledge on ecosystem biogeochemistry, plant physiology and/or soil microbiology relevant for greenhouse gas emissions is an advantage.</p> <p>Relevant publications and presentations on climate-land interactions and on biospheric fluxes of greenhouse gases should be highlighted.</p> <p>Capability to work independently and result-oriented as well as excellent English verbal and written communication skills are required.</p> <p>The Joint Research Centre is an equal opportunity employer and is committed to increasing the diversity of its staff. It welcomes applications from women and minority groups.</p>
Duration (12 - 36 months)	36 months
Provisional starting date	November 2010

Scientific Responsible	Dr. Adrian Leip Dr. Alessandro Cescatti
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Further information can be found at:  
<http://ies.jrc.ec.europa.eu/index.php?page=63>  
*Institute for Environment and Sustainability*  
*Action: GHG-AFOLU– Unit H02*