

PROJECT REFERENCE NUMBER: IES-2011-401102

Project title for a Senior Researcher	Crop modelling for food security monitoring
Project Description	<p>The FOODSEC Action is developing and running methods for crop monitoring and yield forecast in order to provide near real-time information on food insecure regions (mainly in Sub Saharan Africa) to decision makers of the European Commission, to UN organizations and National Institutions in charge of Food Security. It has set up a series of approaches, models and products, using remote sensing, agrometeorological models and GIS systems, which need regular developments. The action regularly publishes crop monitoring bulletins on countries prone to food insecurity.</p> <p>The candidate will conduct research to improve existing agrometeorological models for crop monitoring, contribute to research on the development of weather indices for crop insurance, contribute to the improvement of the quality of meteorological datasets used by the team, and contribute to the publication of crop monitoring bulletins.</p> <p>The ideal candidate should have a PhD in Agrometeorology, crop modeling or related field and at least 10 years of research experience at post-doctoral level (or a University degree <u>and</u> 15 years of research experience after the university degree giving access to doctoral studies). The candidate must demonstrate the ability to implement models in an GIS / IT environment. Experience in remote sensing is an important asset.</p> <p>Programming skills (IDL, Matlab or equivalent) would be an advantage. The post is a research position which presumes the motivation and experience of the candidate to publish the results of his/her work in peer reviewed journals.</p> <p>Good knowledge of spoken and written English is required. The knowledge of another community</p>
Qualifications	

	<p>language would be an advantage.</p> <p>Relevant publications and presentations should be highlighted.</p> <p>The Joint Research Centre is an equal opportunity employer and is committed to increasing the diversity of its staff. It welcomes nominations of and applications from women and minority groups.</p>
Duration (12 - 36 months)	24 months
Provisional starting date	June 2012
Scientific Responsible	Francois KAYITAKIRE

Further information can be found at:
<http://mars.jrc.it/mars/About-us/FOODSEC>

Institute for Environment and Sustainability

Action: FOODSEC – Unit H04