



2020-IPR-D-000-014954

Crop yield forecasting in developing countries

<p>Position for:</p> <p>Trainee</p>	<p>As the science and knowledge service of the Commission, the mission of Joint Research Centre is to support EU policies with independent evidence throughout the whole policy cycle.</p> <p>The JRC is located in 5 Member States (Belgium, Germany, Italy, the Netherlands and Spain). Further information is available at: http://www.jrc.ec.europa.eu</p> <p>Short description of activity:</p> <p>The Food Security Unit has several activities on crop monitoring and forecasting, climate change impacts on agriculture, adaptation to climate change and climate services for agriculture. These activities are mainly spatially focused over Europe and Africa and are based on a hybrid approach based on dynamic and statistical modelling tools forced with past, current climate data as well as climate projections (i.e. model simulation of possible climate realization for the next 100 years under specific socio-economic conditions). However, all these activities would greatly benefit from the use and integration of long-range weather forecasts, i.e. seasonal-to-decadal weather predictions. These data fill the gap and build a bridge between current climate and climate projections, thus being of key importance in forecasting as well as providing targeted agro-climatic services and identifying optimal adaptation strategies. The Food security Unit has started working for this topic and has currently focused on the seasonal scale mainly over Europe.</p>
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	<p>Qualifications:</p> <p><u>Essential:</u> The trainee must have a good background in agronomy or environmental/climate sciences, mathematics, physics or related fields.</p> <p>Basic knowledge of statistics is required.</p> <p>Good knowledge of spoken and written English is essential (B2 level).</p> <p>Basic knowledge of either python or R programming languages is required.</p> <p><u>Advantage:</u> Fluency with both python or R programming language.</p> <p>Knowledge of big data analysis for climate studies.</p> <p><u>For general eligibility requirements, please read the rules governing the traineeship scheme of the JRC:</u></p> <p>https://ec.europa.eu/jrc/en/working-with-us/jobs/temporary-positions/jrc-trainees</p>
Unit /Directorate	<p>JRC – Directorate D Sustainable Resources Food Security Unit</p> <p>Further information: http://mars.jrc.ec.europa.eu/mars/</p>
Duration	5 months
Preferred starting date	As soon as possible
JRC Site	Ispra
Country	Italy
JRC contact details	<p>For any technical problems with your application, please contact: HR-AMC8-RECRUITMENT-TOOLS-SUPPORT@ec.europa.eu</p>