

POSITION #FO20-045– RESEARCH ANALYST - CHINA

Job Summary:

The International Food Policy Research Institute (IFPRI) East and Central Asia Office (Beijing) seeks to recruit a skilled and innovative spatial analysis professional to support strategic, policy-focused research across a range of geographic scales from sub-national through to global. Current regional foci are Sub-Saharan Africa and South Asia, but global perspectives on challenges and opportunities for poverty and hunger alleviation in developing countries pervade much of the work of this program. The success of the research program will depend, in part, on its ability to develop and maintain large, integrated sets of spatial and tabular data linked to a range of biophysical (e.g., hydrological, crop growth, land degradation and land use) and economic models. Thematically, data and analyses will encompass spatial dimensions of climate and climate change, soils, agricultural production systems, ecosystem services, economic activity, market access, and multiple dimensions of human well-being. The ability to bridge gaps between different scales, methods, and disciplinary perspectives is central to the work of the program.

This is one-year, renewable appointment depending on performance and funding. This position is based at Macro Agriculture Research Institute, Huazhong Agricultural University (Wuhan, China), but might involve travel to the countries in which IFPRI carries out its research. **Interested applicants must be authorized to work in China.**

Essential Duties:

The successful candidate will perform the following duties.

- Document, catalogue, and manage a very large and growing collection of national, regional and global spatial data sets
- Write database, object-oriented, or procedural language code to perform specialized analytical functions related to biophysical and economic applications of large datasets
- Articulate and implement the spatial (primarily raster-based) analysis tasks required to achieve GIS related technical outputs (e.g., reclassification, reprojection, multi-criteria model building, network analysis)
- Contribute to the design to share spatial data, analytical tools and analytical results through both the intranet and the internet, in collaboration with the Information Technology specialists at IFPRI and the CGIAR
- Process basic biophysical data for given polygons (either spatial or administrative boundaries) or GPS points to be matched to households survey data.

Required Qualifications:

- Master's degree in Engineering, Geography, Natural resource economics or related field
- Proficient in scientific programming language such as C++, Fortran, Python, or Java
- Familiarity with data management, processing, and analysis
- Significant experience using major GIS software such as ArcGIS or GRASS
- Familiarity with remote sensing applications and modelling, in particular on cropland, grassland and forestry

- Fluency in oral and written English and Chinese
- Excellent writing and analytical skills in both English and Chinese
- Ability to work independently and effectively with colleagues from diverse cultures
- Good interpersonal skills.

Preferred Qualifications:

- Sound knowledge of international agricultural policy, economic development, and natural resources
- Previous experience working on international development issues and/or extensive knowledge of relevant development issues within an academic context.

Physical Demand & Work environment:

- Employee will sit in an upright position for a long period of time with little opportunity to move/stretch
- Employee will lift between 0-10 pounds
- Employee is required to have close visual acuity to perform activities such as: preparing and analyzing data and figures; transcribing; viewing computer terminal; extensive reading.

IFPRI provides research-based policy solutions to sustainably reduce poverty and end hunger and malnutrition. IFPRI's strategic research aims to foster a climate-resilient and sustainable food supply; promote healthy diets and nutrition for all; build inclusive and efficient markets, trade systems, and food industries; transform agricultural and rural economies; and strengthen institutions and governance. Gender is integrated in all the Institute's work. Partnerships, communications, capacity strengthening, and data and knowledge management are essential components to translate IFPRI's research from action to impact. The Institute's regional and country programs play a critical role in responding to demand for food policy research and in delivering holistic support for country-led development. IFPRI collaborates with partners around the world and is a member of the CGIAR Consortium.

IFPRI is an international and equal opportunity organization and believes that diversity of its staff contributes to excellence.

TO APPLY:

Please email your resume, cover letter and 3 references to both email addresses below:

mari@hzau.edu.cn, ifpri-beijing@cgiar.org.

For more information about IFPRI, please visit our website at www.ifpri.org.

The International Food Policy Research Institute (IFPRI) is an equal employment opportunity employer - F/M/Disability/Vet/Sexual Orientation/Gender Identity.