



**INTERNATIONAL INSTITUTE OF TROPICAL AGRICULTURE (IITA)  
INTERNAL & EXTERNAL ADVERTISEMENT**

Ref: IITA-HR-NRS2020-018	<b>Position:</b> <ul style="list-style-type: none"><li>• <b>Data Manager</b></li></ul>
Location: Ibadan	Recruitment Type: National (2-year renewable contract)
Date Posted: 5 July 2021	Closing Date: 19 July 2021

The International Institute of Tropical Agriculture seeks suitable applicants for the position below at the Institute’s Headquarters in Ibadan:

**Position: Data Manager**

**Contract:** 2-year renewable contract

**Location: Ibadan**

**DUTIES:**

Successful candidate will among other things perform the following duties:

- Monitor, supervise, screen, maintain and analyze data for the cassava breeding unit;
- Carry out analysis of experimental data such as: analysis of variance for comparing genotype performance for single location and multi-environment GXE trials using standard applications in SAS, R, and GGEbiplot software;
- Develop appropriate selection indices for rapid advancement of cassava breeding trials including rapid data processing from harvest to selection to accommodate the perishable nature of cassava planting material;
- Work closely with molecular geneticist and biometricians to integrate field and molecular data for genetic mapping studies;
- Backstop research supervisors in development of experimental designs to apply appropriate statistical model for analysis;
- Prepare periodic status summaries on data analysis activities;
- Contribute to preparation of reports, publications and visual presentation of analysis results;
- Contribute to international cassava database development for NEXTGEN cassava Project;
- Contribute to the adoption of field data collection systems including the use of electronic devices and provide training to the cassava breeding community on the use of these devices;

- Contribute to development and maintenance of IITA cassava breeding database including curation of pedigrees, clone names, genotypic and phenotypic data;
- Conduct capacity development regarding data management and analysis for cassava breeding staff, NARs partners, and other cassava partners;
- Provide backstopping support to IITA hub breeding regarding data management and analysis;
- Represent IITA at international meetings on data management;
- Responsible for development and maintenance of cassava ontologies;
- Integration of CG core metadata schema into cassavabase.org;
- Perform any other job-related task as may be assigned by the supervisor.

### **QUALIFICATION:**

Master's in Computer Science, Statistics or Agricultural Science or related field with minimum of six (6) years' experience in data management for a plant breeding program in a well-structured environment or donor funded organization.

### **COMPETENCIES:**

The ideal candidate must:

- Be proficient in the use of MS Access, MS Excel, statistical packages (SAS, STATA, SPSS, R, METAR, AGDR, GEAR, PBTOOL, GenStat, ASREML, GBEBiplot), computer programming languages (JAVA), DMBS (POSTGRESQL), ontologies tools (OBO Edit) and Protégé.
- Have good understanding of experimental design, statistics and its principle in plant breeding and agronomy practices as required.
- Ability to work under pressure, good communication and interpersonal skills.
- Be able to work under minimal supervision.

### **REMUNERATION:**

We offer highly competitive salary with equally attractive benefits and excellent working conditions in a pleasant campus environment.

### **METHOD OF APPLICATION:**

Interested applicants should complete the online application attaching detailed cover letter and curriculum vitae saved with their names in Microsoft word format to IITA website: <http://jobs.iita.org/erecruit>. The application must include the names and e-mail addresses of three professional referees which must include the applicant's current or previous direct Supervisor, professional colleague and evidence of current remuneration package.

***IITA is an equal opportunity employer and is committed to building a diverse workforce, particularly welcoming applications from women. While all applications will be acknowledged, please note that only shortlisted candidates will be contacted.***