



Special Call for a Consultant

Consultant for BrAPI implementation

The Crop Trust, officially known as the Global Crop Diversity Trust, is an international non-profit organization that works to conserve crop diversity to protect global food security. The Crop Trust was established in 2004 through a partnership between the United Nations Food and Agriculture Organization and CGIAR, acting through Bioversity International.

The Crop Trust develops and maintains databases and associated software that support the work of world's genebanks, specifically Genesys www.genesys-pgr.org, the global database of information on plant genetic material maintained in world's genebanks, and GGCE, a genebank collection management software.

Objective of consultancy:

BrAPI (<https://brapi.org/>) is a standardized RESTful web service API Specification for plant breeding data. The current specification of BrAPI is version 2.1.

Genesys includes an implementation of BrAPI v1.3 specification and needs to be upgraded to the current v2.1. GGCE includes a basic implementation of the BrAPI v2 specification, but needs to be upgraded to v2.1, and further expanded and tested.

We are looking for an experienced Java developer with the interest and capacity to enhance and extend the BrAPI implementation in GGCE and Genesys.

The consulting work will focus on the following activities for both **Genesys** and **GGCE** projects:

- **Documenting the mapping** of Genesys and GGCE data models to BrAPI
- Implementation in Java of BrAPI **Core** and BrAPI **Germplasm** in Genesys and GGCE
- Implementation in Java of **Phenotyping** BrAPI in Genesys and GGCE

The existing project source code is accessible at <https://gitlab.croptrust.org/genesys-pgr/genesys-server> and <https://gitlab.croptrust.org/grin-global/grin-global-server>.

The expected duration of the consultancy is six months.

Qualifications, Skills and Experience

- Expertise in Java, Spring framework, and RESTful web services;
- Demonstrated previous experience with BrAPI;
- Experience with use of code versioning tools, git;
- Proficiency in English language is essential;



Applications: Interested candidates should submit the following:

- a brief **cover letter** that outlines your qualifications as well as previous relevant experience;
- your **curriculum vitae** in English (please include your current residence address, telephone and email address);
- please indicate your suggested **daily fees** in EUR or USD

The above items should be sent to: trustvacancy@croptrust.org with the subject line "Consultant - BrAPI implementation"

The deadline for applications is 28 February 2023.

Kindly note, that only individual consultants are eligible. Consulting companies, universities, organizations etc. are instead encouraged to respond to specific Calls for Proposals that are being published on this website as required.

By submitting your application, you agree to the Crop Trust processing your personal data as described [here](#).

The Trust is an equal-opportunity employer and strives for staff diversity in gender and nationality.