



**Food and Agriculture Organization
of the United Nations**

CALL FOR EXPRESSIONS OF INTEREST

Software Developer (Client side) Consultant

Contract duration: 6 months
Vacancy No. IRC3744

Deadline for Applications: 7 December
Duty station: Rome, Italy

Tasks and responsibilities:

In coordination with the FENIX team, the consultant will contribute to the development of client-side components of the WIEWS and africaFertilizer.org (AFO) applications using the core components of the FENIX IT platform.

Under the overall guidance of the CIO Director and the Senior IT Officer, and under the direct supervision of the FENIX Coordinator, the consultant will perform the following tasks:

1. Analyze the user's requirements of the applications and liaise with the AFO and WIEWS managers to ensure that the development work reflects the user's expectations.
2. Improve the current client side architectures to increase its flexibility, performance and user-friendliness and to restructure existing functionalities using the latest FENIX technology.
3. Implement tools and applications to allow users to query and visualize data using dashboards, as required. Data should be selectively retrieved using the FENIX protocols in accordance with the required business logic.
4. Integrate the new applications with the FAO corporate Content Management System (Typo3) and use the widget approach to embed the required FENIX functionalities in the fronted components.
5. Test the developed functionalities and carry out bug-fixing.
6. Other tasks as required.

Key performance indicators	
Expected Outputs:	Required Completion Date:
• The applications are restructured using the latest FENIX technologies	March 2017
• The new dashboards are developed and tested	April 2017
• The new applications are integrated with Typo3	May 2017

Candidates should meet the following requirements:

Minimum Requirements

University degree or equivalent in information technology or related disciplines, with good experience in Java and JavaScript programming.

Competencies

- Experienced JavaScript developer with skills in the technologies listed below
- Good knowledge of Java programming
- Working knowledge of English

Technical/Functional Skills

Proven knowledge of the following products and technologies:

- Excellent knowledge of: JavaScript, HTML5, Git/Github, Linux OS.
- Advanced knowledge of: NGINX, Webpack and NPM
- Good knowledge of JavaScript testing libraries as Karmajs, Mochajs, Chaijs
- In addition, a good knowledge of the following technologies/patterns/libraries is required:
 - o Twitter Bootstrap
 - o REST design pattern
 - o Java Enterprise Edition 7 (especially servlet 3.1, REST services)
 - o JSON-Schema
 - o Tomcat application server
 - o PostgreSQL DBMS
 - o Maven

Selection criteria

- At least 2 years of programming experience in JavaScript
- Ability to work in team
- Ability to work with tight deadlines
- Working knowledge of English

Additional Information

FAO seeks gender, geographical and linguistic diversity in its staff and international consultants in order to best serve FAO Members in all regions.

All candidates should adhere to FAO values of Commitment to FAO, Respect for All and Integrity and Transparency.

How to apply

All applications are to be made through FAO's [**iRecruitment**](#) system. Click on the link below to access [**iRecruitment**](#), complete your online profile and apply for this Call for Expression of Interest.

[**http://www.fao.org/employment/irecruitment-access/en/**](http://www.fao.org/employment/irecruitment-access/en/)

In order for your application to be properly evaluated, please ensure that all sections of your iRecruitment account are completed. Incomplete applications will not be evaluated.

If you need help, or have queries, please contact: [**iRecruitment@fao.org**](mailto:iRecruitment@fao.org)