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

## CALL FOR EXPRESSIONS OF INTEREST

# Business Intelligence and Analytics Specialist (Analytics)

Contract duration: 6 Months

Vacancy No. IRC3603

Deadline for Applications: 31 October 2016

## Tasks and responsibilities:

Within the Business Intelligence and Decision Support Team (BIDS), under the direct supervision of the Team Leader, the consultant will provide services of a Business Intelligence and Analytics Specialist and in this capacity will take part in elicitation of business requirements, design, development and testing of new advanced analytics solutions based on both structured and non-structured corporate and technical data, using the most appropriate tools and technologies

## Functions / Key Results Expected

- Analyze various business requirements and use cases for Advanced Analytics applications
- Create proof-of-concept prototypes demonstrating Advanced Analytics and Machine Learning techniques and approaches applicable to FAO context
- Design and develop applications using Advanced Analytics and Machine learning concepts and approaches for specific use cases
- Create proof-of-concept prototypes demonstrating Advanced Data Visualisation techniques and approaches
- Design and develop applications using Advanced Data Visualisation for specific use cases for publishing information both internally and externally.
- As appropriate, explore other business intelligence and data mining techniques to enhance capabilities for data analytics, predictive and prescriptive analytics, including machine learning
- Regularly report on the status of activities to the Team Leader and other relevant parties using standard divisional procedures and tools
- Perform any other tasks to ensure that Decision Support at various levels is underpinned by relevant Business Intelligence and Analytics solutions

## Candidates should meet the following requirements:

**Minimum Requirements**

**Academic Qualifications:**

University degree in Computer Sciences, Information Technology, Mathematics, Physics or other technical discipline

## Technical Competencies and Experience Requirements:

**Competencies:**
- Client-oriented approach;
- Focused on results;
- Ability to manage own time and work effectively individually and as part of team
- Working knowledge of English;

**Required technical skills and experience:**
- Proven track record in delivering  end to end BI solutions
- Experience with Text Mining and Advanced analytics concepts and tools
- Experience with multi-dimensional data modelling
- Experience with Business Intelligence platforms, preferably Oracle Business Intelligence (OBIEE)
- Experience with Advanced Analytics tools (e.g. Rapid Miner, Knime etc), including text mining
- Experience with R and Shiny R data visualisation
- Experience with Data Discovery and Data Visualisation tools  (e.g. Tableau)
- Solid understanding of relational database design and data warehousing methodologies
- Experience with multiple RDBMS technologies (Oracle, SQL Server, Postgres and MySQL)
- Excellent communication skills with the ability to communicate effectively at all levels, including ability to communicate technical matters to non-technical audience
- Ability to write clear technical documentation and user guides

**Desirable technical skills and experience**
- At least 4 years hands on experience in delivering  end to end BI/Analytics solutions
- Solid understanding of concepts of machine learning and artificial intelligence

**Selection criteria**
- Years of experience
- Field of work and area of specialty
- Education
- Language
- Assessments through interview

# Additional Information

**Payment conditions:** the daily honorarium will be paid monthly on when-actually-employed basis and will be defined depending on relevant qualifications and work experience up to within a range from 210 USD to 300 USD.

**Schedule of work:** The incumbent will be required to work and be present on the premises during the standard office hours of the duty station (from 8.30 till 17.00 for HQ), unless otherwise agreed with the supervisor. The working time will be reported in the internal timesheet system.

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/**

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**