Post title:	Consultant (OBIS IT developer)
Organizational unit:	International Oceanographic Data and Information Exchange (IODE) of IOC-UNESCO
Primary location:	Oostende (Belgium) or remote
Recruitment open to:	External candidates
Type of contract:	Consultant contract
Deadline:	15 November 2018

Background and Main Responsibilities

Under the overall authority of the Executive Secretary of the Intergovernmental Oceanographic Commission of UNESCO and the direct supervision of the OBIS project manager and in close consultation with the OBIS data manager, the consultant will develop an online data entry and editing tool that will make it easier to publish (a small number of incidental) observations to OBIS, allowing individual researchers to report important observations from under-represented areas and time periods and under-reported species.

The tool is specifically meant for scientists, based at NGOs and marine research institutions from least developed countries and small island developing states where the capacity to manage, archive and publish data through data centres or OBIS nodes is often lacking. The consultant needs to partner with OBIS nodes, in particular those in Kenya and Senegal to help in the design and test phase.

The tool should be compatible with the OBIS-ENV-DATA format of the Darwin Core data standard. One of the priorities of this online tool is obtaining high-quality data and metadata, hence the tool should link to the new OBIS metadata user interface, and use the quality control services provided by OBIS, such as taxonomy, outlier detection and missing values. The tool needs to provide a data quality report back to the data provider.

The code and documentation need to be made available via a GitHub code repository provided by OBIS.

The consultant will work on a dedicated server, provided by OBIS.

The project activities consist of:
- Develop the functional and technical specification, based on functionalities identified through user requirements
- Development of the online application, bug fixing and refining the application based on feedback, beta testing and user acceptance testing
- Development of online manual
- Final report
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- Development of online manual
- Final report

Required qualifications

Advanced university degree in marine and/or biology sciences, informatics, or a closely related field, with at least five years subsequent relevant experience.

At least 5 years of experience in databases and web development

Skills and competencies:

- Expert knowledge in PostgreSQL or MySQL
- Expert knowledge of one or more web development frameworks (Symfony, Node.js, Django, React, Vue, Angular)
- Fluency in written and spoken English. Knowledge of other UNESCO official languages is an asset.

Desirable qualifications

- Knowledge of Bootstrap, GIS/PostGIS, git, REST services, R/Phyton

Duration:

The work of the Consultancy is expected to last a maximum of 6 months. The appointment is a non-career and does not carry any expectancy of renewal or conversion to another contract.

Taxes

UNESCO will not reimburse any taxes, duties or other contributions for which individuals may be liable in respect of any payments made to them under the terms of their contract.

Insurance

Individuals issued with a contract for individual consultants or other specialists are covered by UNESCO's insurance policy for work-related illness, injury, accidents or death whilst performing their official duties or travelling on behalf of the Organization. The insurance premium for the coverage, as determined by Pension and Insurance Section (HRM/SPI), must be included in the financial commitment for the contract.

Social Benefits

Individual consultants and other specialists shall be responsible for arranging, at their own expense, any medical insurance that they consider necessary during the contract period. Unless they are affiliated by virtue of their status as former staff members, they cannot be enrolled in the UNESCO's Medical Benefit Fund or United Nations Joint Staff Pension Fund. Individual consultants and other specialists are not entitled to paid annual or sick leave.

Please note that UNESCO is a non-smoking Organization.

How to apply?

Please submit a full CV (using the UNESCO template https://www.iode.org/index.php?option=com_oe&task=viewDocumentRecord&docID=7767), a motivation letter and a costed proposal (plan of work) for implementing the activities related to the main responsibilities described in this call, to Mr Ward Appeltans (w.appeltans@unesco.org) by 15 November 2018 COB (Paris time).