Terms of Reference

Modernization Analysis and Recommendations for Education Survey Data

1. Background

The UNESCO Institute for Statistics (UIS) plays a critical role in the Education 2030 Agenda by producing cross-nationally-comparable education indicators and working with partners to develop new indicators, methodologies, statistical approaches and monitoring tools to better assess progress towards the international education targets. It has been designated as the lead agency for producing the indicators needed to track global progress towards Sustainable Development Goal 4 (SDG 4), while sharing responsibility for some targets with other agencies.

UNESCO is interested in having a detailed process modernization analysis done and in getting recommendations for their educational survey data to obtain a clear picture of the current maturity level related to the survey process patterns and practices. The recommendations and a reviewed architecture will aim at improving the productivity and faster delivery to the market, improve the governance, standardization and visibility, thereby improving the quality and customer experience, reduce maintenance costs and the risks of necessary rework related to erroneous architectural decisions.

2. Objective

Perform in-depth analysis of the educational survey process and concept ideation to elaborate potential application design, target architecture and operational recommendations.

3. Key Tasks

Under the overall authority of the Director of the UNESCO Institute for Statistics, the consultant will perform the following tasks:
a. An assessment and ideation report of the educational survey process against modern patterns, and practices related to Design, Platform, Data and DevOps;
b. Provide modernization recommendations report including the following items:
    1. proposed recommendations for pattern and practices improvement

2. proposed target architecture

3. proposed functional application design

4. proposed recommendations for an implementation roadmap

4. Deliverables

Deliverables		Number of days	Submission deadline
A	Assessment and ideation report	To be determined	To be determined
B	Modernization recommendations report	To be determined	To be determined

5. Duration of contract

6 months from start date

6. Required competencies, technical background and experience

Education
Advanced university degree in statistics or in a closely related numeric discipline (such as demography, economics or applied mathematics) or in the fields of social sciences with a substantial applied statistics component or equivalent professional qualification.

Work Experience

- A minimum of 10 years of programme and project co-ordination with countries as part of a global initiative is required;
- Experience in survey design and implementation in the field of education and/or learning assessments is required;
- At least 2-3 work experience within the UN is desirable;
- At least 3 references relating to survey administration and capacity building at the national level are desirable.

How to Apply:
Interested and suitable candidates for the consultancy should submit their application to uis.procurement@unesco.org by **June 12 June 2020** and should include the following documents:
- Letter of Confirmation of Interest and Availability;
- Personal CV and UNESCO CV, indicating all past experience from similar projects, as well as the contact details (email and telephone number) of the Candidate and at least three (3) professional references;

- Brief description of why the individual considers him/herself as the most suitable for the assignment, and a **<u>methodology</u>**, on how they will approach and complete the assignment.
- **<u>Financial Proposal</u>** that indicates the all-inclusive fixed total contract price, supported by a breakdown of costs.