United
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Organis
ation des
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Unies pour
l'éducation

la science et la'
culture

**Consultancy
contract**

Request for written proposal

**Reference: GEM Report 2021– Senior-level data Consultant (3
openings for a period of 7-11 months)**

**Request to submit a written proposal for a work assignment with
UNESCO**

UNESCO is inviting written proposals from Individuals for the work
assignment described in Annex A.

To enable you to prepare a proposal for this assignment, please find
attached the following document:

- Terms of Reference (see Annex A)

Your written proposal should comprise:

a) A Technical Proposal consisting of:

- an up to date curriculum vitae in UNESCO format,
- an approach and methodology for the assignment (no longer than 1
  page)
-
b) The amount to be charged for the assignment, which should
   be quoted in US dollars or in Euros only for the period
   1 August 2020– 30 June 2021 **as a monthly fee**.

Please include any costs for travel to Paris as a separate budget line.

Your proposal and supporting documents must be in English. *If the above
information is not provided, the application will be considered incomplete and
dismissed.*

UNESCO places great emphasis on ensuring that the objectives of the work
assignment, as described in the Terms of Reference, are met. Accordingly, in
evaluating the proposals for the assignment, attention will focus first and
foremost on the technical elements. From those proposals deemed suitable in
relation to the criteria set forth in the Terms of Reference, UNESCO shall select
the proposal that offers the Organization best value for money.

Your proposal should be submitted by e-mail no later than close of business (18:00) on **8 of July 2020**. E-mail proposals should not exceed 5MB.

The e-mail should be addressed to

Bilal Barakat bf.barakat@unesco.org

It is the individual's responsibility to ensure that his/her proposal is received by the deadline.

Thank you for your interest in this UNESCO assignment; and we look forward to receiving your proposal.

The Global Education Monitoring Report

Annex A

Terms of Reference – Senior-level Data Consultant

Background

The Global Education Monitoring Report (or GEM Report), formerly known as the Education for All Global Monitoring Report (GMR), is an editorially independent, authoritative, and evidence-based annual report that monitors progress in education in the Sustainable Development Goals (SDGs), which have been adopted as part of the 2030 Agenda for Sustainable Development. The Report is funded by a group of governments, multilateral agencies and foundations and published annually by UNESCO to serve the international community. It is widely recognised as an indispensable advocacy and technical tool supporting the achievement of SDG 4, which aims to ensure "inclusive and equitable quality education" and promote "lifelong learning for all" by 2030. With its renewed mandate, established in the Incheon Declaration of the World Education Forum in May 2015, the annual GEM Report series will identify effective education policies and analyse major education related themes.

The 2021 GEM Report, the fifth in this new series, will focus on the role of non-state actors in education. The State has ultimate responsibility for its citizens' education. However, a wide range of modes of education provision and financing exist today around the world that involve non-state actors. Non-state stakeholders are envisioned as playing a crucial role in the implementation of the 2030 Agenda for Sustainable Development, through providing additional financial resources and accountability to meet education needs. The growing influence of non-state actors in provision and policy direction in the education sector present opportunities and challenges for the sector that need to be unpacked to help achieve SDG 4.

The concept note is available here.

Duties

Since 2010, the GEM Report, through its World Inequality Database on Education (WIDE), has been reporting selected key indicators, based on household survey data, disaggregated by individual characteristics and their interactions. In 2019, the GEM Report partnered with the UNESCO Institute for Statistics to harmonize and further develop WIDE based on a development plan.

Under the supervision of the GEM Report's Senior Policy Analyst, the consultant shall carry out a series of activities to support the implementation of the WIDE development plan. In particular she/he will lead and engage in:
- the development of data analysis workflows to integrate additional education indicators, disaggregations, and/or equity indicators into WIDE.
- the GEM Report's collaboration with the UNESCO Institute for Statistics (UIS) and the Institute for Health Metrics and Evaluation (IHME) in the area of household survey and learning assessment data, and author a focus section on learning age profiles for the monitoring part of the 2021 GEM Report.

Requirements

A minimum of 10 years of relevant professional experience in data science is required. Experience working with large-scale household survey data and education indicators, including learning assessment data; as well as advanced proficiency in either R or Stata is also required. The selected

candidate must demonstrate the ability to communicate and document technical information in clear English and preference for the ability to work and communicate in another UN Language.

While not required, advanced data visualization techniques and familiarity with SQL are desirable skills.

Deliverables

1. Work plan based on initial discussions of sequencing and prioritization of tasks
2. Commentary on methodology for regional and global averages, incl. implications for imputation and weighting
3. Contribute to methodology for purely distributional, characteristic-free equality indicators in WIDE, and develop benchmarks for this indicator
4. Draft focus section on learning age profiles for the monitoring part of the 2021 GEM Report (~ 1200 words)
5. Written commentary on GEM Report/design studio's proposals for WIDE visualization refresh
6. Methodological proposals and data analysis workflows in support of four new WIDE features in line with the WIDE development plan