

Junior Consultant – PARIS21/OECD

Statistical Capacity Monitor

1. Background Information

Founded in 1999, the Partnership in Statistics for Development in the 21st Century (PARIS21) promotes the better use and production of statistics throughout the developing world. The Partnership facilitates statistical capacity development, advocates for the integration of reliable data in decision making, and co-ordinates donor support to statistics. PARIS21 was established by the United Nations, the European Commission, the OECD, the International Monetary Fund, and the World Bank.

PARIS21 developed its 2016-2020 strategy, which aims at supporting the effective use of data to lead to better policies and ultimately better lives. PARIS21 plans on responding to new and emerging demands of the evolving data ecosystem.

PARIS21 is hosted at the OECD and follows the organisation's administrative processes.

2. Scope of Work

The consultant is expected to contribute to improving PARIS21's platform on statistical indicators, the [Statistical Capacity Monitor](#).

2.1. Updating and improving an online data platform

Description

The Statistical Capacity Monitor (henceforth the "platform") consists of an online website featuring existent indicators and material on statistical capacity. It describes trends on statistical capacity worldwide, so as development efforts at the country and thematic level.

The platform presents, in an innovative and user-friendly way, a variety of performance indicators on statistical capacity building and performance, to inform users of different capacity development measurements. The platform features indicators from PARIS21 and other partner institutions with the objective to provide a better understanding of the recent developments on statistical capacity. To our knowledge, there are no current platforms today providing a comprehensive picture of statistical capacity development indicators. The platform will also be a space for material dissemination (events, news, reports, guidelines, and brochures), promotion of activities of the PARIS21 Secretariat and its partners and share information with the general public.

Data structure

The platform provides indicators on statistical capacity at the national and regional level for countries where data is available. Indicators have been constructed on the basis of the data life cycle framework as well as the Capacity Development 4.0 framework, which provides a basic structure for presenting the data. The data is presented in five categories: planning, production, dissemination, use and investment. Most of the indicators have an annual periodicity. As not all the indicators on this framework exist today, the platform provides the flexibility for allowing to integrate new indicators as they are developed in upcoming work streams by PARIS21.

Audience

The Platform aims at reaching all actors of the new data ecosystem involved or in need of statistical capacity development as well as the development community funding or providing technical assistance, including National Statistical Offices; governmental and private sector statistics and data producers; donor community, including donor countries, multilateral organisations, regional banks and private foundations; government decision-makers in countries; other international and regional organisations active in statistical capacity building; statistical training institutions; other statistical capacity development providers; NGOs interested in statistical capacity issues; academia; media; and citizens.

Navigation characteristics

The platform aims at being an interactive tool where users can visualise the data and cross-tabulate different types of indicators. For this, the platform provides the necessary interface that allows users to select different criteria for visualisation.

2.2. Consultant Responsibilities

The consultant will be in charge of harmonising and standardizing the existing set of indicators with a focus on its metadata structure. Based on this process, the consultant will propose a second round of indicators that will feed the Statistical Capacity Monitor. She/he will work under the direction of PARIS21 staff for identifying the main data sources and selected metadata for all indicators on statistical capacity that will be part of the platform. She/he will also be responsible for identifying the source and update frequency of indicators, so that these can be updated through ETL (Extraction, Transformation, Load) technologies that will allow the Platform to be gradually automated in the future.

General tasks

- Assisting PARIS21 in the identification and compilation of metadata and relevant sources related to the existing data set of the Statistical Capacity Monitor.

Specific tasks

- Updating and refining an Excel database with baseline indicators on Statistical Capacity, based on existent PARIS21 platforms (PISTA, PARIS21 Metabase) and other relevant platforms (World Bank Statistical Capacity Index, ODW Open Data Inventory, etc.).
- Researching and complementing information for country profiles with statistical Indicators and a basic description of recent developments of Statistical Capacity Development. An update for Country Profiles will be provided through PARIS21 established products (SDG indicators, STEP, SDG survey).
- Consulting national and regional statistical offices' websites and other official online sources for gathering data on new indicators on Statistical Capacity.
- Working with PARIS21 for the development of alternative indicators for statistical capacity based on text mining techniques and web-scraping.
- Working with the retained Platform consultant company for the incorporation of methodologies for ETL (Extraction, Transformation, Load) when this is possible.
- Reviewing the definitions and methodology indicators related to statistical capacity by geographic and thematic focus.
- Working closely and serving as focal point with the external service provider in charge of the design and implementation of the website.

Deliverables

The Consultant shall deliver the following outputs:

- A dissemination calendar for all indicators included in the Statistical Capacity Monitor
- An updated database with available metadata for selected indicators on statistical capacity presented on the platform
- Information relevant for the country profiles with recent developments of Statistical Capacity Development. An update for Country Profiles elements will be provided through PARIS21 established products (SDG indicators, STEP, SDG survey).
- Consultations with other stakeholders whose indicators will be reflected in the Platform, including World Bank, IMF, FAO, UNSD and Eurostat.
- Working with the PARIS21 for the drafting a technical background paper documenting the technical structure of the platform, its methodology and calculation process of established indicators. PARIS21 will provide a draft outline and background information to the technical paper.

Timeline

- Set up dissemination calendar for metadata (automatic updates) (15 November 2019)
- Update of metadata structure of all indicators (10 December 2019).
- Drafting technical note on setting up a meta structure (15 December 2020)
- Collection of new indicators on statistical capacity, under the supervision of PARIS21 team (15 December).
- Work with company for visualisation of indicators (31 January 2019)

Period of engagement

The consultant is expected to contribute to the project between 10th October 2019 and 31st January 2020 for a total of 20 working days spread out between October 2019 and January 2020 (possibility of extending the contract until the end of the project).

Honoraria

Negotiable depending on the work experience and competencies of the consultant.

Payment schedule: 30% upon signature; 70% upon satisfactory completion of the tasks and receipt of the deliverables.

Contact

The junior consultant will work under the supervision of the Coordinator of the Statistical Capacity Monitor, in conjunction with the Deputy Manager. **Please send your CV to Julia Schmidt (julia.schmidt@oecd.org).**