DATA ANALYSIS FOR SUSTAINABLE DEVELOPMENT PLANNING

Call for Applications

Announcement in Brief

<table>
<thead>
<tr>
<th><strong>Type</strong></th>
<th>Short Term Course</th>
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<tr>
<td><strong>Programme Area</strong></td>
<td>Urbanization, Economic Affairs</td>
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<tr>
<td><strong>Beginning - end of the course</strong></td>
<td>08 July – 08 September 2019</td>
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<tr>
<td><strong>Duration</strong></td>
<td>8 Weeks</td>
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<tr>
<td><strong>Language</strong></td>
<td>Bilingual (English-French)</td>
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<td><strong>Location</strong></td>
<td>Web Based E-Learning</td>
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<td><strong>Fee</strong></td>
<td>No Fee</td>
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<td><strong>Application Deadline</strong></td>
<td>30th June 2019</td>
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<td><strong>Specific target audience</strong></td>
<td>No</td>
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<tr>
<td><strong>Website</strong></td>
<td><a href="https://elearning.unidep.org">https://elearning.unidep.org</a></td>
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<tr>
<td><strong>Applications</strong></td>
<td><a href="https://www.unidep.org/?apply">https://www.unidep.org/?apply</a></td>
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**PROGRAM RATIONALE**

The re-birth of development planning in Africa’s economic management, alongside the investment of effort in the formulation of long-term national visions, is occurring at a time when institutions of public policy in most countries of the continent are yet to fully recover from the significant losses of talents and skills which they experienced during the crises, stabilisation and adjustment years of the 1980s and 1990s. Although major investments are being made by governments across the continent to re-build institutional capacities as part of broader state renewal efforts, the progress registered to date is still uneven both across ministerial departments and agencies, and with regard to different types of professional skills. Planning institutions have found themselves tasked with assuming or resuming a central role in the management of long-term national development even as they are struggling to, among other things, enhance the skills base of their officials. A frequently-cited area of need centres on data collection and analyses for development planning. It is a particularly important area of need given that no meaningful development planning can take place without reliable data that is collected using methodologically sound approaches and well-designed instruments, and which is analyzed equally soundly both for current needs and future projections. Equally, in the context of the implementation of United Nations 2030 agenda adopted in 2015, reliable data are necessary to monitor the progress made by the various member States through Voluntary National Reviews (VNRs) during High Level Political Fora. The VNRs aim to facilitate the sharing of experiences as well as strengthening policies and institutions of governments for the implementation of the Sustainable Development Goals (SDGs).

**LEARNING OBJECTIVES**

At the end of the course, participants will be appropriately equipped to collect and / or analyze data related to planning, implementation and monitoring / evaluation of sustainable development at the national, subregional and regional levels. Specifically, participants will be able to:

- Understand the National Strategy for the Development of Statistics (SNDS), its need for the development of a country and the production of quality data with best practices.
- Master data collection procedures and the use of the quality approach in data collection for greater efficiency.
- Identify mechanisms for monitoring the SDGs at the national and international levels and principles for developing indicators and indices.
- Use analytical methods and exploratory data analysis and statistical software tools to conduct such analyzes.
- Understand some basic assumptions tests using SPSS Statistics software.
• Understand principles and methods of time series analysis and use the E-Views software for analysis.
• Understand fundamental econometric methods and use software for analysis.
• Interpret statistical analysis results and write reports.

CONTENT AND STRUCTURE

The course consists of the following modules:

• **Module 1**: The Role of Statistics in Sustainable Development and Result Based Management
• **Module 2**: Review of Data Collection Procedures for Sustainable Development with Quality and Productivity Approach
• **Module 3**: Sustainable Development Goals, Voluntary National Review, Indicators and Index Numbers
• **Module 4**: Analytical Exploratory Data Analysis and Use of Computer Packages:
• **Module 5**: Hypothesis Testing (with examples using SPSS)
• **Module 6**: Introduction to Time Series Analysis
• **Module 7**: Econometrics Methods
• **Module 8**: Interpretation of Statistical Analysis and Report Writing

METHODOLOGY

This self-paced course will be delivered from 15 July to 08 September. The course will be moderated asynchronously on a weekly basis and participants are required to participate in the weekly on-line discussions. In addition, each module has interactive lessons that provide the core content around the topic for that module. The lessons are designed in a way that learners are also able to self-assess their understanding through built-in quizzes. Additional resources such as bibliographies, web links and optional readings are provided for participants who wish to deepen their knowledge of the course topic.

TARGET AUDIENCE

The course targets groups and individuals that are interested in acquiring tools to collect and / or analyze data related to planning, implementation and monitoring / evaluation of sustainable development at national, subregional and regional levels.

They include:
The course targets mid-level to senior policy officials working in the following Ministries

- Middle and senior level policy officials and managers directly connected with or responsible for planning, designing, managing, monitoring and evaluating development in their countries;
- Officials of national statistical agencies with a professional interest in development

**ADDITIONAL INFORMATION**

**Acceptance to the Course**

Applicants to the course are expected to have, as a minimum, a bachelor’s degree preferably where courses related to statistics, planning, project management and monitoring project evaluation. In addition, two years of work experience will be required. Women candidates are also strongly encouraged to apply.

Until the registration deadline, participants are accepted to the course on a rolling basis and subject to availability of slots.

Applications must be completed exclusively on IDEP online application platform at [https://www.unidep.org/?apply](https://www.unidep.org/?apply)

**Certificate of Completion**

A Certificate of Completion will be issued by IDEP to all participants who successfully complete the course-related self-assessments presented for each module.

**Technical Requirements**

Access to internet is an essential condition for participation. The following specifications, as a minimum in terms of hardware and software, are required to take this e-Learning course, please consult your Network Administrator or Systems person to ensure that you have the following:

- Platform: Windows 95, 98, 2000, NT, ME, XP or superior; Mac OS 9 or Mac OS X; Linux
- Hardware: 64 MB of RAM, 1 GB of free disk space
- Software:
  - Adobe Acrobat Reader
  - Adobe Flash Player
  - Microsoft Office (Windows or Mac) or Open Office
  - Browser: Internet Explorer 7 or higher or Firefox 36 or higher
- Modem: 56 K
- Note that JavaScript, Cookies and Pop-ups must be enabled
CONTACT INFORMATION

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