



Statistical Data Portal
of the African Development
Bank

Customer reference



The African Development Bank is an international organization incorporating 77 member countries, including 53 independent African countries

PROJECT OBJECTIVE

The Statistical Data Portal of the African Development Bank is designed to meet the growing demand for statistical data and development indicators of African countries. The portal provides capabilities to analyze and distribute data in various formats. It enables users to visualize indicators of socioeconomic development, access graphic materials for presentations, and make comparative analysis of various country-level indicators.

The Statistical Data Portal of the African Development Bank includes the following sections:

Maps. This section provides an interactive map for users to view such indicators as total area, capital, and national currency; and monitor such dynamic indicators as population, GDP, GNP per capita, and inflation; as well as current balance, agricultural balance, and trade balance, and so on. For easier selection, the map contains a list of all African countries and a legend denoting the territorial

or regional members and twenty-four international organizations operating in the African continent. The bank was established in 1964 to enhance the economic and social development of African countries. The AfDB accumulates financial resources to be invested in the economies of the regional member countries and provides loans and grants to the governments of African countries as well as private companies.

<http://www.afdb.org>

<http://dataportal.afdb.org/Default.aspx>

division of the continent with the capability to zoom in to the selected map area. The legend also specifies the ranges for the selected indicator (such as population ranges, inflation ranges, and so on). Countries of a certain range are displayed on the map. When highlighting a selected country, the user sees an icon that contains a country summary against the state flag.

Dashboards. This section provides a set of dashboards for interactive management of content. It enables users to compare, evaluate, and visualize data. Each dashboard item provides a selection from the Type Of Data menu (Economy section), and pane titles provide the selection of the necessary indicator and the period of time for analysis. Advanced visualization capabilities enable users to view data by selected countries and regions, as well as to view indicators and time series in tables, maps, and charts.

Description

Data Analysis. This section provides OLAP tools, by which the user can group data according to the current needs, perform calculations, and create customized tables and charts. Such functions as filtering, formatting, highlighting data by certain parameters, and Pareto or 80/20 analysis, are available for data analysis. User query results can be printed, saved, or exported to Microsoft Excel, RTF (for use in Microsoft Word and other word processors), or PDF.

Data Query. This section displays user query results. A user selects the necessary indicator from the Indicator menu. All indicators about which the database contains any information are filtered according to the selected indicator. Then the user selects the region, date or duration, and unit of measurement. The user may then generate a table with customized query results. The generated table can be exported to Microsoft Office format, printed, or sent by email.

Data by Topic. This section provides a set of pre-customized scheduled reports that are directly

connected to the data warehouse. Each report can be printed directly from the application or exported to Microsoft Office formats for distribution or use in a presentation.

Bubble Charts. This section generates bubble charts displaying 3D data in 2D space. The user selects from a list the indicators for the X and Y axes. The diameter or area of each bubble reflects the third indicator selected for a particular country. The preset duration together with the generated chart provide dynamic graphic demonstration of the change in the indicator over time by the selected country. The color of the bubble corresponds to a certain country in the menu; the user is free to select only those countries that pertain to the current analysis.

Resource Center. This section contains a library of AfDB documents and provides the user with publications, reports, and case studies grouped by various criteria. The user can search the necessary document by keyword, source, name, or publication date.

RESULTS OF THE IMPLEMENTATION OF THE SYSTEM

- *Project implementation occurred over two years (2009–2010).*
- *The idea and structure of the portal was designed by Prognoz.*
- *The solution provides useful tools to access and disseminate the official statistical data of African countries. With the introduction of the portal, the need to create annual AfDB reports became obsolete. Analytically processed information can be used in presentations or research materials.*
- *The solution has been successfully integrated to the AfDB Intranet. Employees of twenty-four bank offices in African countries use the Statistical Data Portal in their daily work.*
- *The Statistical Data Portal of the African Development Bank facilitated the creation of portals for 50 statistical agencies in African countries and seventeen international African organizations.*

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