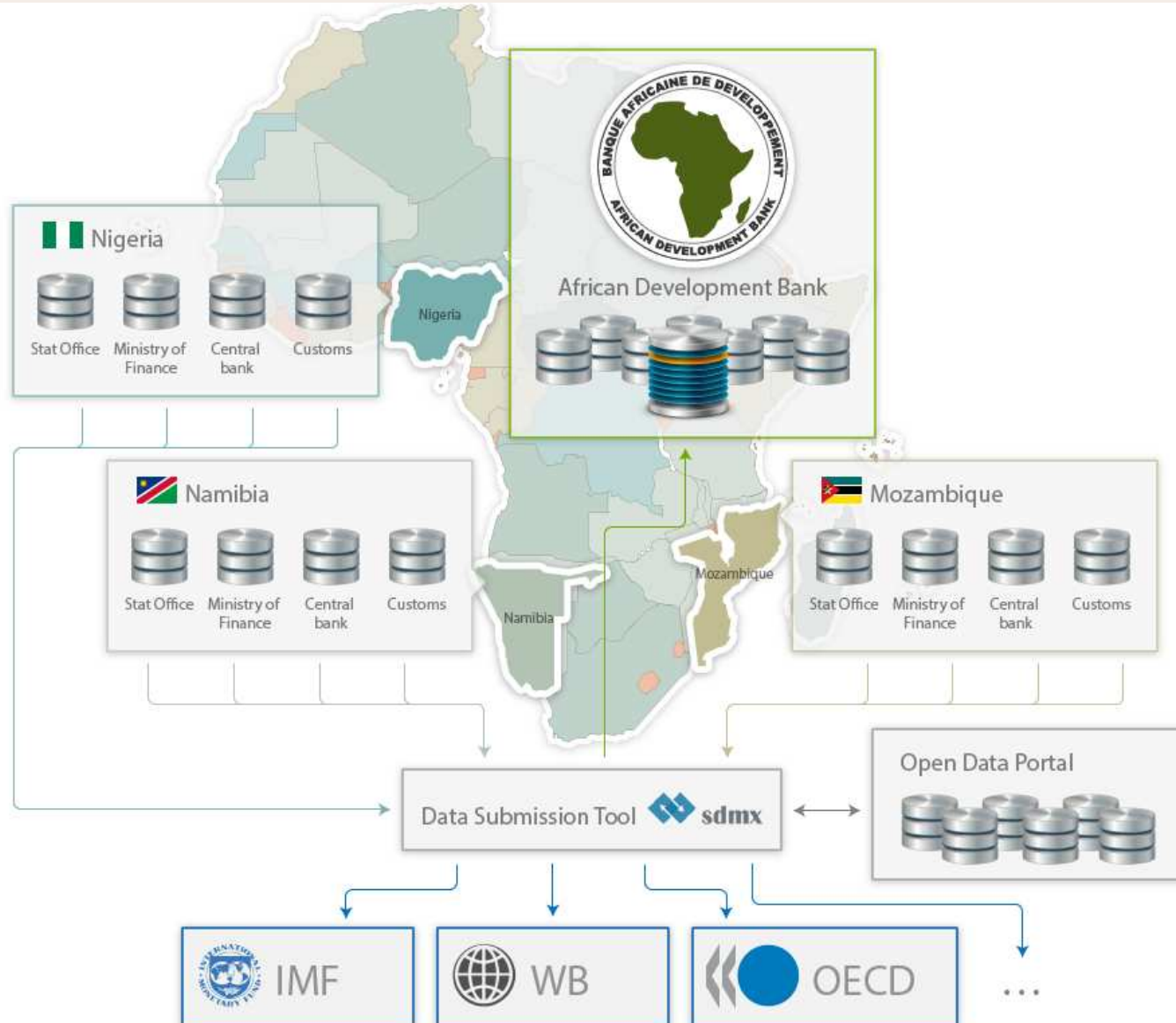


Africa Information Highway

**Country Data: Sharing Best Practice in the
Dissemination of National Development
Indicators**

29 July- 2 August, 2013

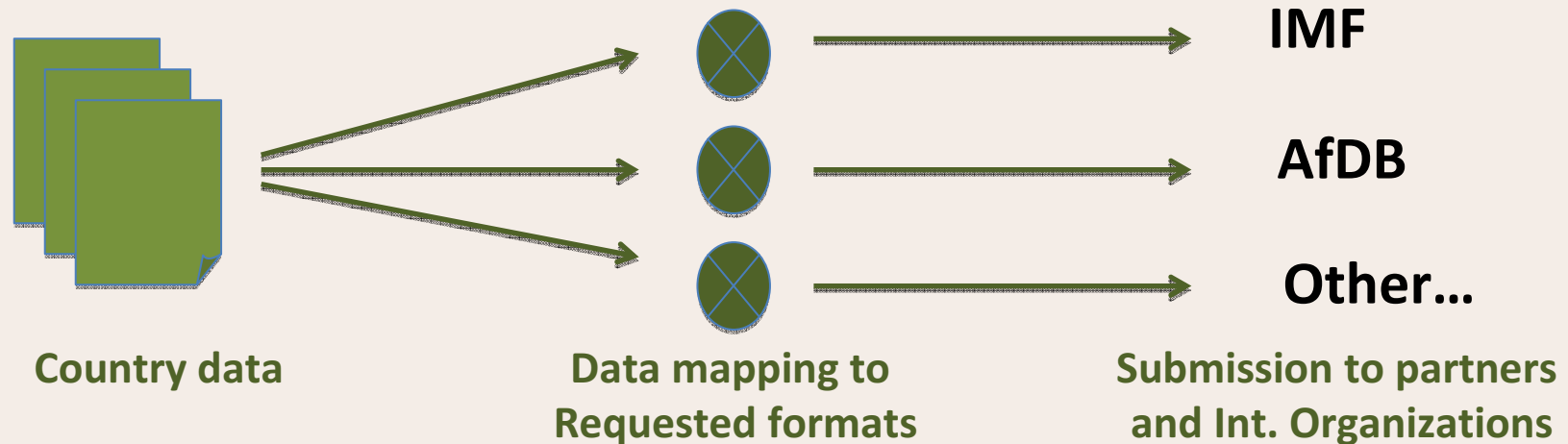




Data Submission Tool



Existing data submission process by countries

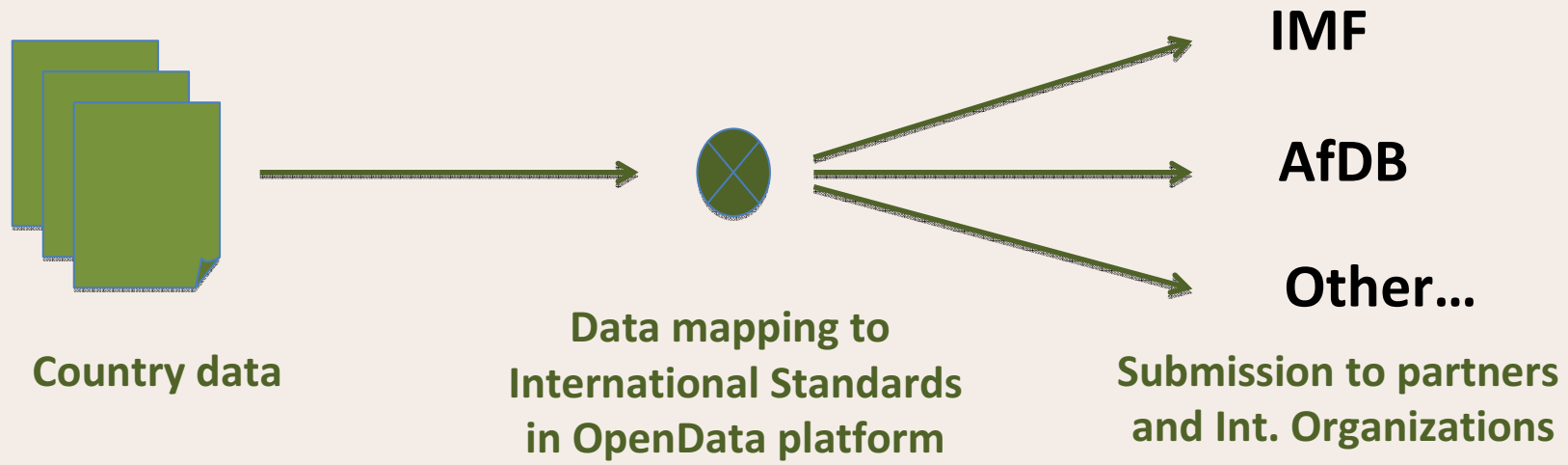


As-Is process

- Organization specific data mapping and formats leading to repetitive work
- Lack of common standards
- Reporting burden



Future data submission process by countries



To-be process

- Countries map data to international standards and load in the OpenData platform
- Data collecting organizations pick from the OpenData platform
- Common standards

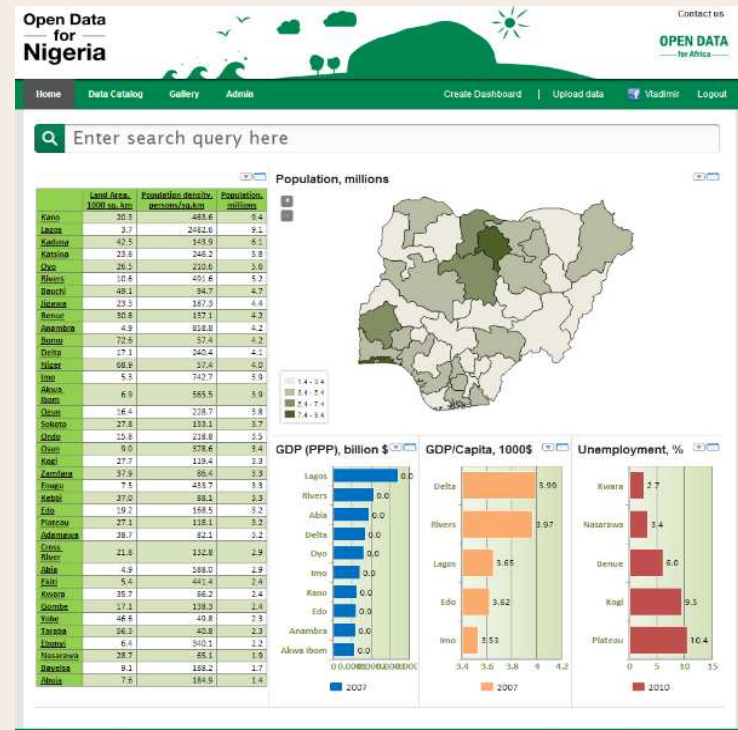


Africa/Country Open Data



Overview

- Country Open Data is ready-to-use solution for implementing country's Open Data program. It provides a public website on Internet which provides end-to-end experience for data users from data access to data analysis to content building to sharing/dissemination.
- All country's datasets on various topics as well as relevant international statistics can be published and found by people in a single place and provide a very convenient search engine on top of it.
- Country Open Data solution allows for creation of highly visual, interactive dashboards. Users can build their own dashboards with combination of tables, charts, maps and text supporting a specific story to tell



Data Catalog

- Data Catalog is faceted data navigation tool designed for data exploration
- Browse datasets by topic, source or region
- Explore available datasets and view their metadata like publication date, description etc.
- Search for datasets and time series
- Browse dataset contents (time series) by country/indicator etc. and view selected time series as table/chart
- Download selected data in XLS/CSV
- Get Data feed for dataset contents
- Create pages from selected data

The screenshot shows the 'Open Data for Nigeria' website's 'Dataset Browser' page. The page has a green header with navigation links: Home, Data Catalog, Gallery, Admin, Create Dashboard, Upload data, and user options for Vladimir and Logout. The main content area is titled 'Dataset Browser' and includes a search filter for 'Topic: Agriculture'. Below this, there are tabs for 'Personal', 'Topics', 'Sources', 'Regions', and 'Search'. A search bar contains the letters 'A E F N P R T' and a 'Date' filter set to 'Last quarter 2012 2011'. A list of datasets is displayed, including 'African Development Bank, Food Security, December 2011', 'African Development Bank, Food Security, Prices, Monthly, December 2011', 'Expenditures spent on food by selected countries, 2010', 'Food Balance Sheets, 2012', and 'Food Supply Statistics - Livestock and Fish Primary Equivalent, 2012'. The 'Nigeria Socio-Economic Indicators, November 2012' dataset is expanded, showing its source as the National Bureau of Statistics Nigeria, uploaded by Ivan Kolesnikov, and accessed on 2012-11-28. A 'Select Dataset' button is visible below the expanded dataset. The footer of the page lists 'Agriculture, Demographics, Education, Health, Labor, Poverty'.



Dashboard Gallery

Dashboard Gallery provides access to ready-to-use visualizations on various topics

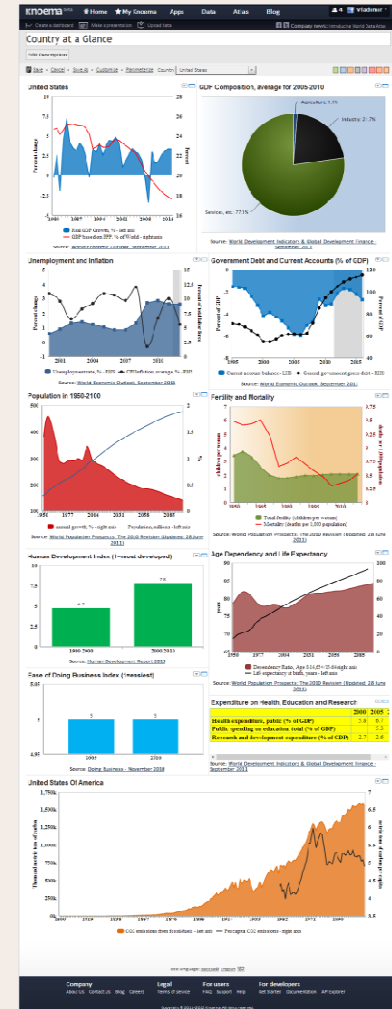
- Explore visualizations created by other users
- Export to XLS/PDF/PPT/CSV formats
- Discuss with other users
- Share with other people via e-mail or Twitter, Facebook or Google+
- Subscribe to topics or authors of your interest and receive notifications about updates from them
- Create your own copies of visualizations you like and adjust them to your needs



Dashboard Builder

Dashboard Builder enables creation of interactive, highly-visual, parameterized dashboards

- **Visual.** Combine text, table, chart, map and other gadgets on a single page
- **Customizable.** Fully customizable layouts and appearance
- **Data mash-ups.** Visualize data from multiple datasets in a single visualization
- **Interactive.** Make your dashboards alive
 - **Gadget linking.** Connect gadgets and make them actionable, e.g. click on map selects clicked country on adjacent pie chart
 - **Dashboard parameterization.** Build country template once and make it available for all countries via page-level country selector

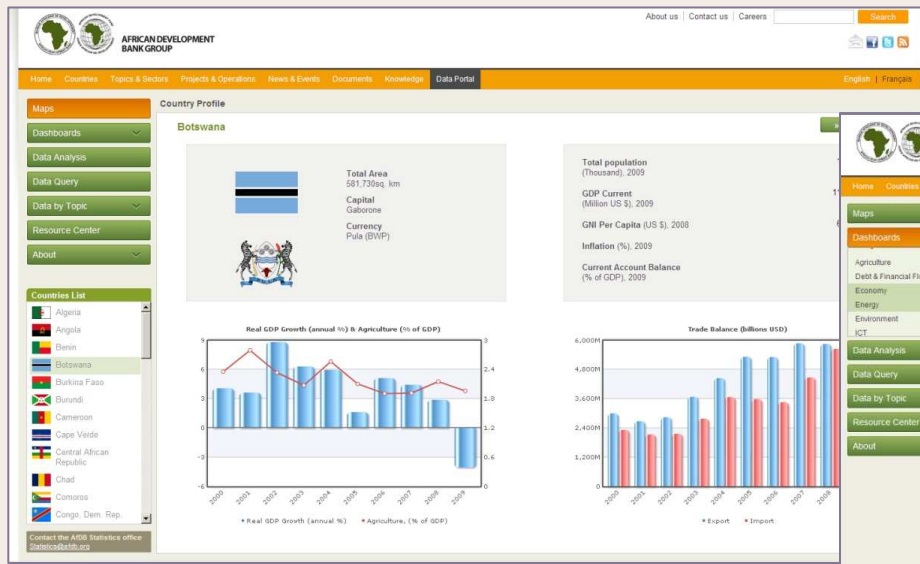


Data Portal



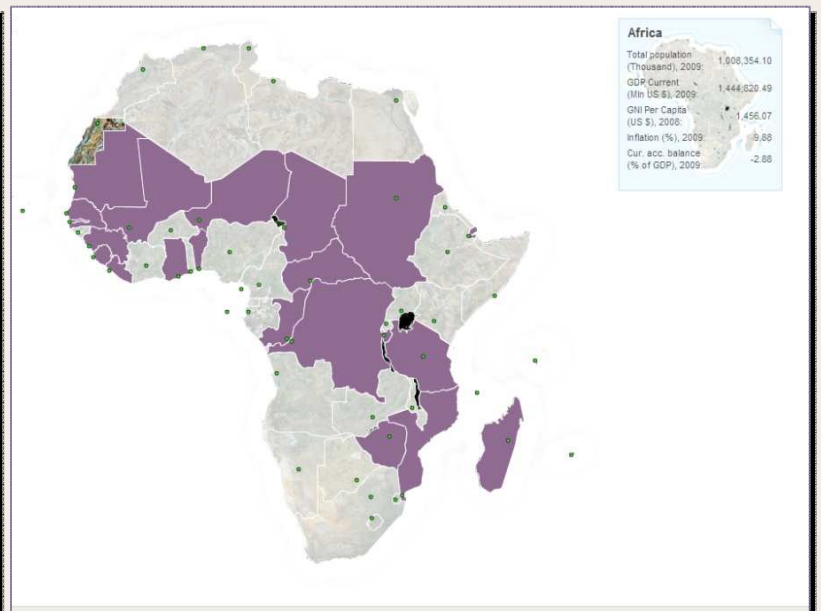
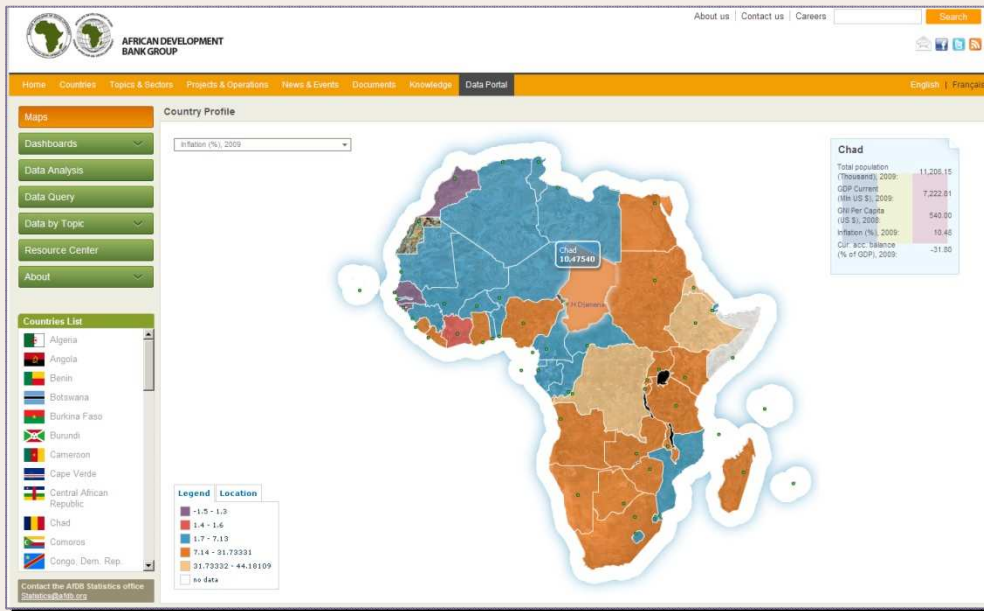
Data Portal

The **Data Portal** provides multiple customized tools to gather indicators, analyze them, and export them to multiple formats. Users can visualize socioeconomic indicators over a period of time, gain access to presentation-ready graphics, and perform comprehensive analysis at the country or regional level.



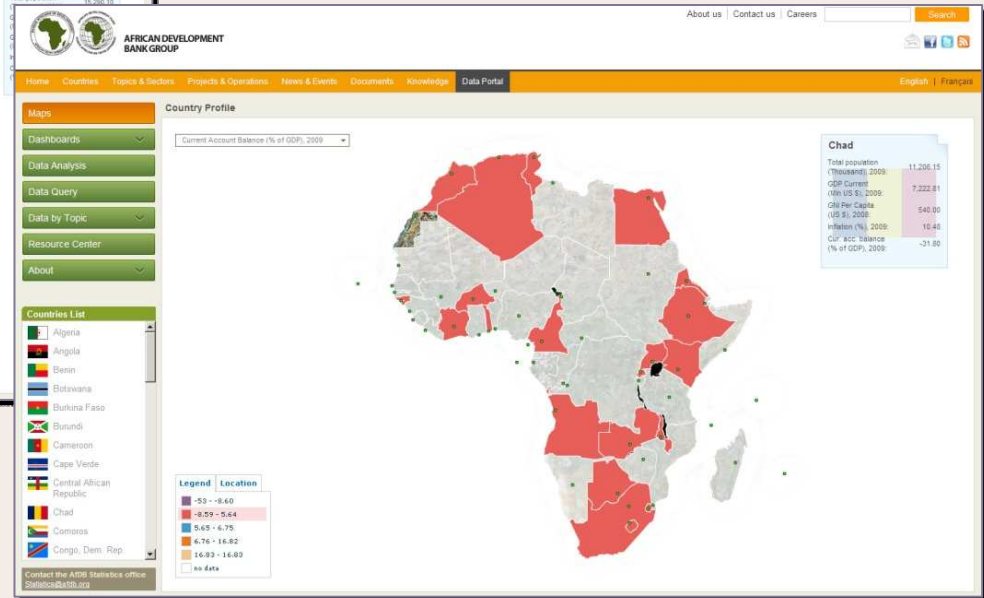
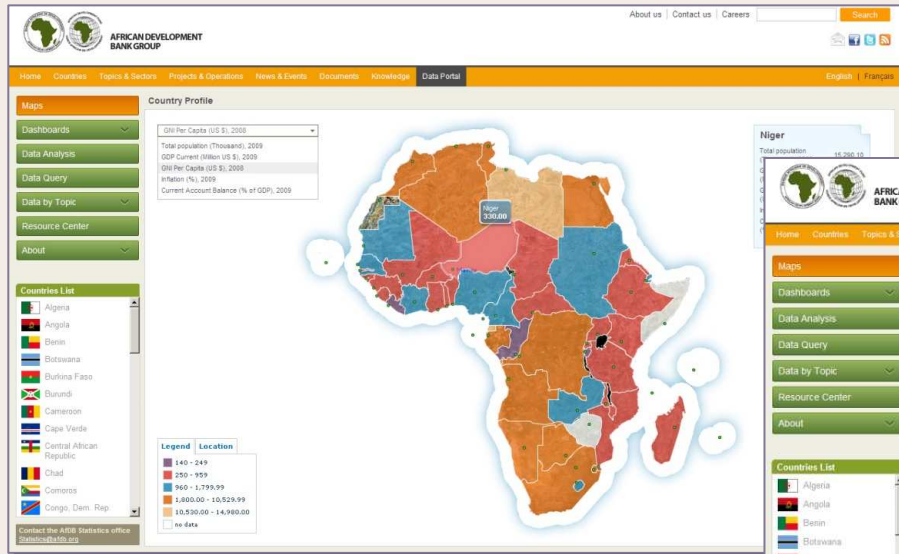
Maps

The **Maps** module displays an interactive map of Africa where users can select an indicator to view comparisons across countries.



Maps

Users can view data for selected countries and regions, visualize a time-series analysis of an indicator over a period of time, and view a country's ranking alongside other countries for the selected indicator.



Reports

The **Reports** module contains a series of predefined reports. Users can update the reports dynamically by changing selections of countries or years.

The screenshot shows the African Development Bank Group Data Portal interface. The main content area displays a table titled "Country Millennium Development Goals Indicators Profile, AFRICA". The table lists various indicators such as Population, GNI per capita, Poverty headcount ratio, and School enrollment, with data points for years from 2000 to 2020. A sidebar on the left contains navigation options like "Maps", "Dashboards", "Data Analysis", and "Data by Topic". At the bottom of the sidebar, there is a "Calendar" section with a dropdown menu showing "selected (15)" and a "Region" dropdown set to "AFRICA".

	2000	2002	2004	2006	2007	2011	2012	2013	2014	2015	2016	2017	2018	2019	2020
Population, total (million)	818.3	857.7	898.6	941.2	963.2	..	..	..	..	..	..	..	..	..	..
Population growth (annual %)	2.4	2.3	2.3	2.3	2.3	..	..	..	..	..	..	..	..	..	..
GNI per capita, Atlas method (current US\$)	681.4	691.1	855.7	1,154.6	1,286.3	..	..	..	..	..	..	..	..	..	..
Poverty headcount ratio at \$1 a day (PPP) (% of population)	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..
Poverty gap at \$1 a day (PPP) (%)	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..
School enrollment, primary, total (% net)	63.5	..	72.6	76.6	77.6	..	..	..	..	..	..	..	..	..	..
Ratio of female to male primary enrollment	85.5	86.9	88.6	..	..	..	..	..	..	..	..	..	..	..	..
Ratio of female to male secondary enrollment	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..
Mortality rate, infant (per 1,000 live births)	91.6	88.4	85.7	83.2	82.0	..	..	..	..	..	..	..	..	..	..
Mortality rate, under-5 (per 1,000)	152.4	147.1	142.1	137.3	134.8	..	..	..	..	..	..	..	..	..	..
Maternal mortality ratio (national estimate, per 100,000 live births)	633.1	..	..	..	..	..	..	..	..	..	..	..	..	..	..
Births attended by skilled health staff (% of total)	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..
Adults (ages 15+) and children (0-14 years) living with HIV	264.0	263.1	256.9	248.9	245.1	..	..	..	..	..	..	..	..	..	..
Incidence of tuberculosis (per 100,000 people)	277.0	313.8	329.8	321.0	315.2	..	..	..	..	..	..	..	..	..	..
Improved sanitation facilities (% of population with access)	36.2	42.5	44.1	38.4	..	..	..	..	..	..	..	..	..	..	..
Improved water source, (% of total population with access)	61.0	64.0	62.1	63.9	..	..	..	..	..	..	..	..	..	..	..

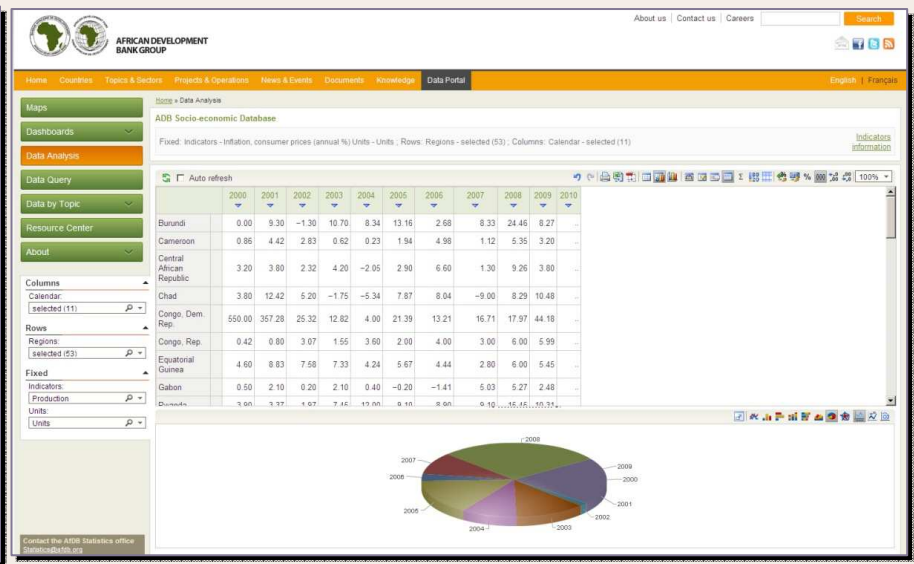
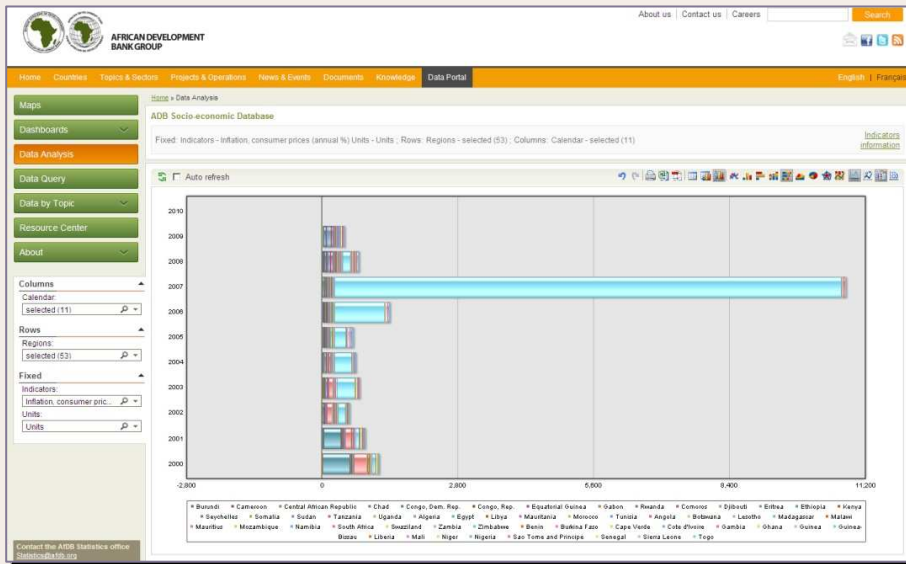
The screenshot shows a detailed view of the "Algeria - Country Profile" report. It features a table with columns for "Year", "Algeria", "Africa", and "Dev". The table lists various indicators such as "Urban population (% of total)", "Life expectancy at birth, total (years)", "Mortality rate, infant (per 1,000 live births)", "Malnutrition prevalence, weight for age (% of children under 5)", "Improved water source, (% of total population with access)", "Literacy rate, adult total (% of people ages 15 and above)", and "School enrollment, primary, total (% net)".

Year	Algeria	Africa	Dev
2009	34,895,472.00	1,008,354,104.00	615,584.5
2009	1.51	2.29	
2008	4,260.00	1,427.92	6
2008	65.00		
2009	72.67	55.67	
2009	29.29	79.36	
2006	3.70		
2006	85.00	63.47	
2007	75.39	32.73	
2007	95.35		



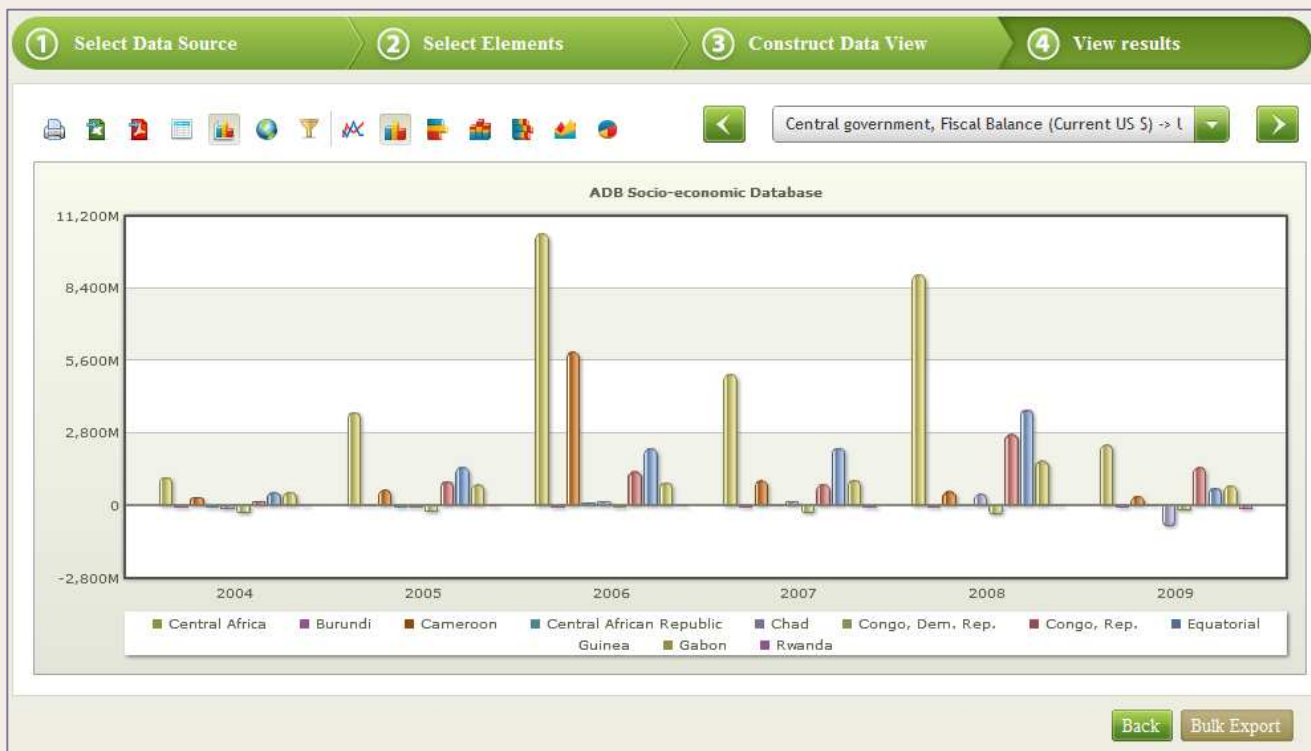
Data Analysis

The **Data Analysis** module is a platform for user-generated data management, graphical display, and quantitative analysis.



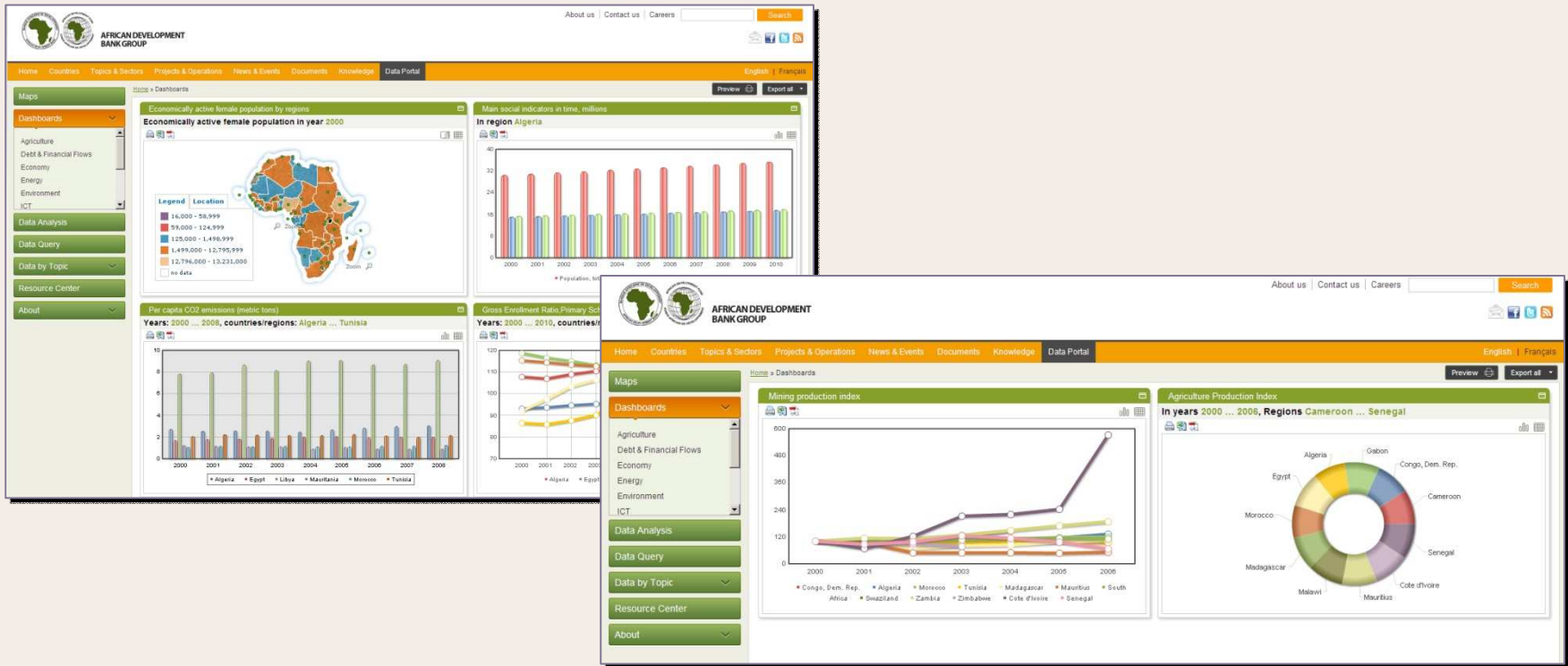
Data Query

Data Query is an alternative analytical tool of the portal. It is an easy-to-use and powerful tool for data visualization in table, chart, and map mode for the ADB Socio-economic Database.



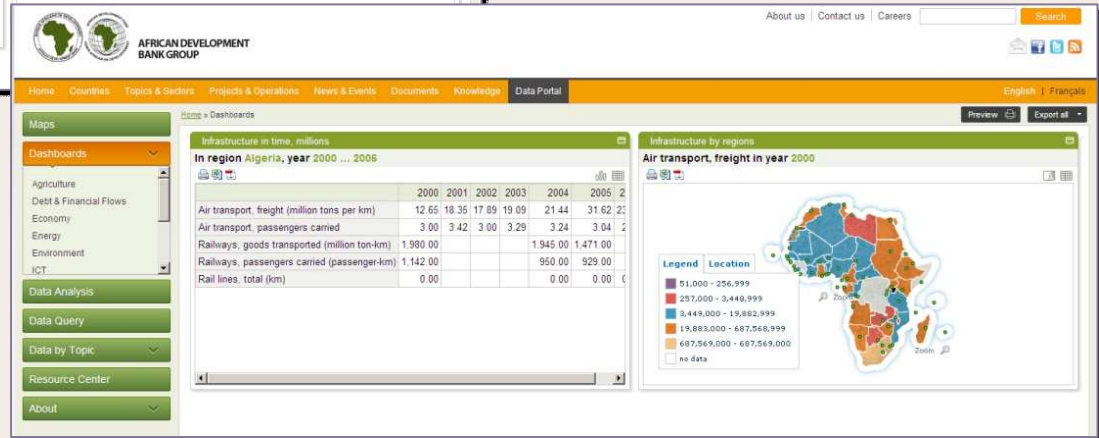
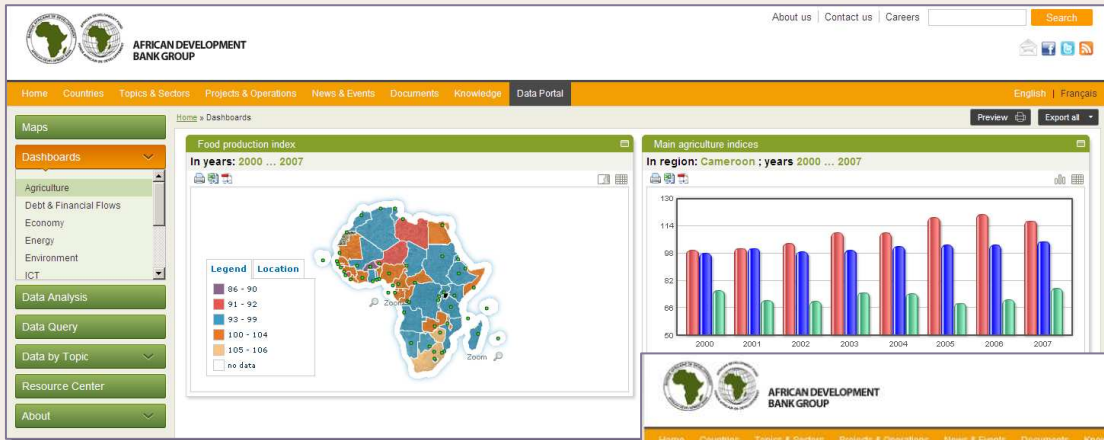
Dashboards

Dashboards provide a snapshot of specific preselected indicators. The Dashboard section's main advantages are its visualization capabilities and its simultaneous representation of data in tables, charts, and maps.



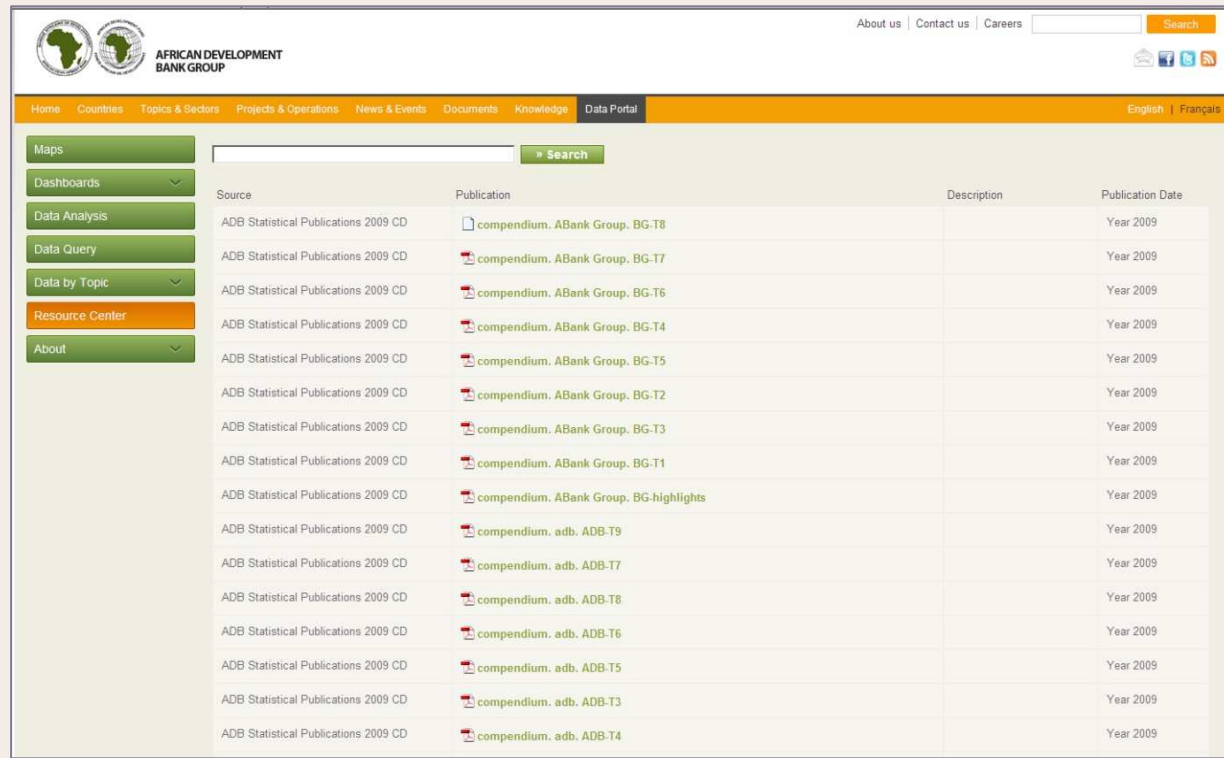
Dashboards

For each element of the dashboard, users can select their preferred data type and manage content by changing the selections in the dimensions of the highlighted title. This tool provides users with presentation-ready reports with high-quality statistics.



Resource Center

The **Resource Center** provides users with a library of publications, reports, case studies, and so on. Users can search by keyword in the document’s source, name, and publication date.



About the Data Portal

With the Data Portal you can:

- ✓ Visualize time-series analysis on an indicator over a period of time
- ✓ Perform calculations with built-in tools
- ✓ Provide presentation-ready graphics
- ✓ Perform comprehensive analysis on country, regional, and global levels
- ✓ Export report tables and graphics to popular formats

The screenshots illustrate the Data Portal's capabilities:

- Navigation and Overview:** The first screenshot shows the main navigation menu (Home, Countries, Topics & Sectors, etc.) and the 'About' page, which provides an introduction to the portal's purpose.
- Data Query and Visualization:** The second screenshot shows the 'Data Query' interface, where users can select indicators, regions, and time periods. It displays a pie chart representing the distribution of data across different categories.
- Dashboard and Analytics:** The third screenshot shows a comprehensive dashboard with multiple data visualizations, including line graphs for GDP and GNI per capita, a radar chart for exchange rates, and a donut chart for value added in different sectors.



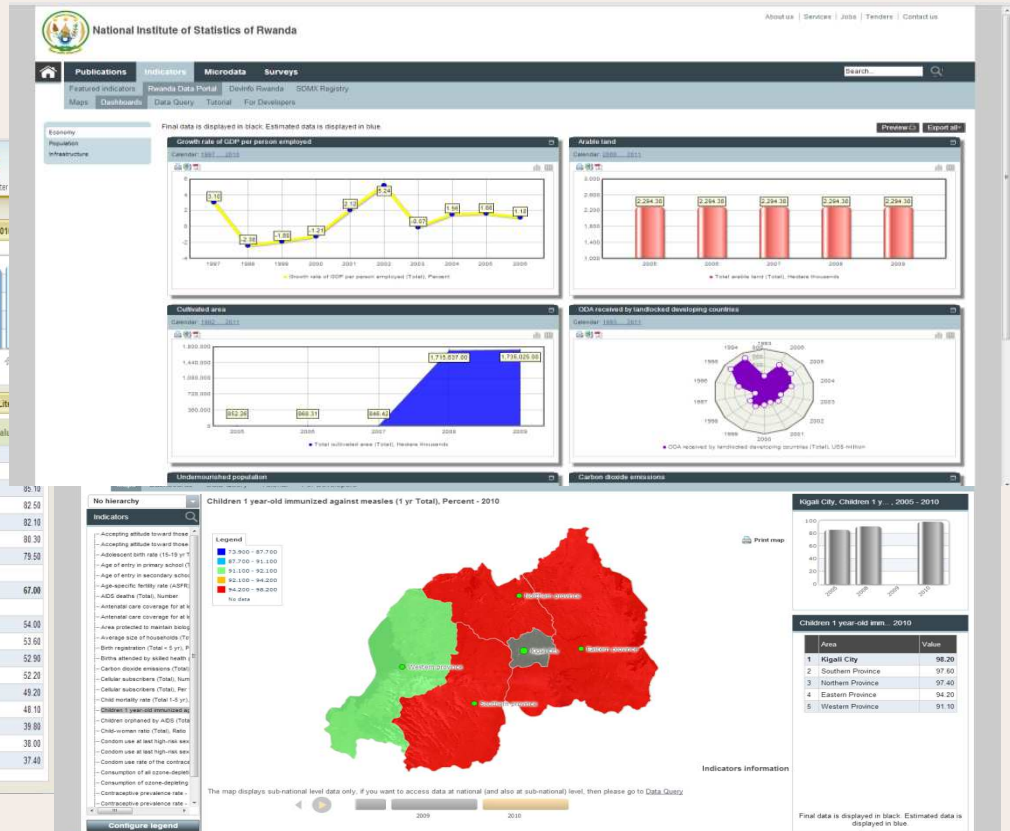
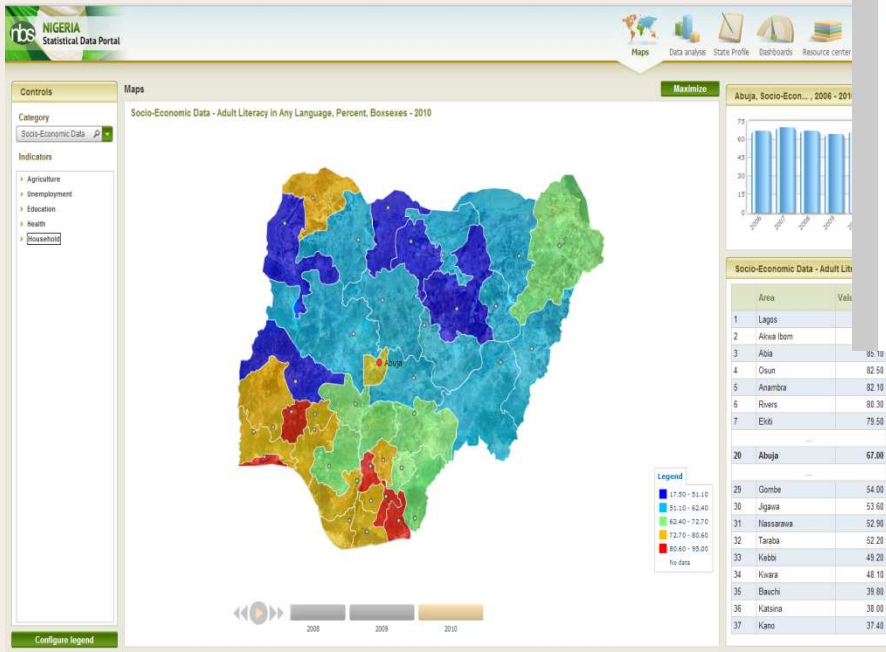
Data Portals for all African Countries

(to be implemented in 2013)



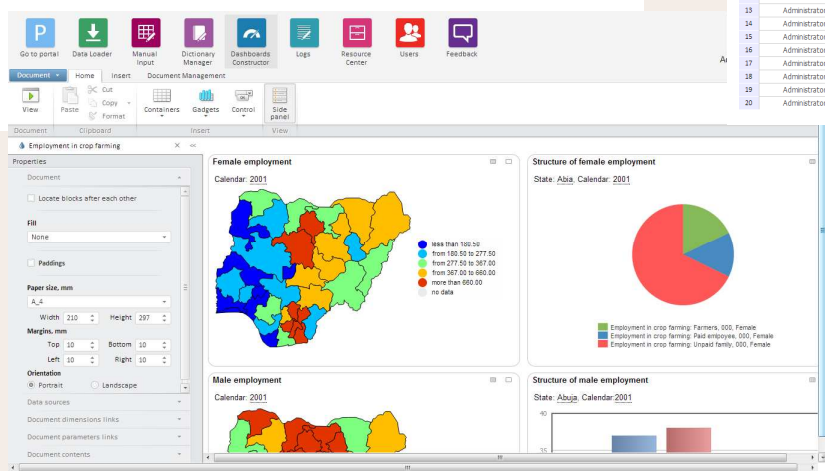
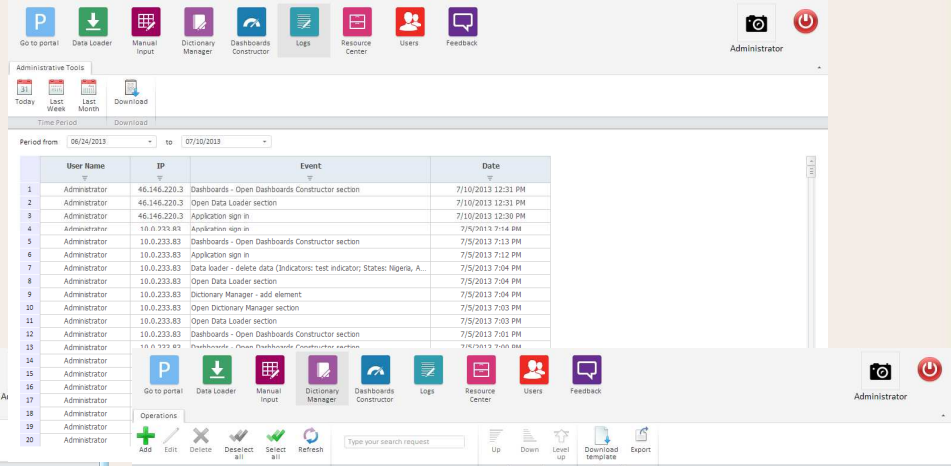
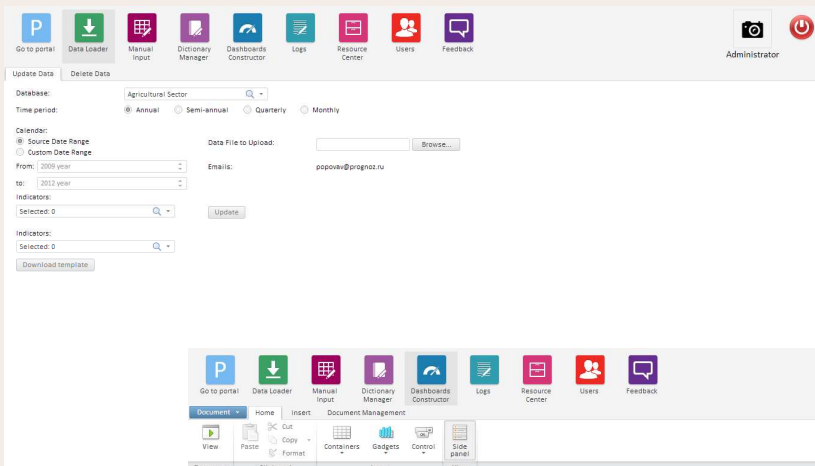
All Countries are scheduled to be implemented in 2013

Data Portal implementations have started in more than 60 countries and regional organizations. 43 countries and RECs already have uploaded the real data into the Data Portals. 30 of them have been trained. Examples below: Nigeria and Rwanda.



Web-based administrative tools

Administrative tools are available in any place all over the world via the Internet. They allow to manage data and portal content.



Advantages

- Significant reduction in reporting burden for countries
- Adoption of region-wide international data standards
- Access to Africa data in SDMX statistical standards
- Africa taking lead in the adoption of global data standards
- Implementation of National Summary Data Pages (NSDPs), helping is getting prepared for subscribing the IMF data standards

