Africa Information Highway

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

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Data transition scheme based on the SDMX technology
Data Submission Tool
Existing data submission process by countries

Country data → Data mapping to Requested formats → Submission to partners and Int. Organizations

IMF → AfDB → Other...

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

Statistics Department  Chief Economist Complex  African Development Bank Group
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
The Country Open Data portal is a ready-to-use solution for implementing the country's Open Data program. It provides a public website on the Internet which offers an 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 a combination of tables, charts, maps, and text to tell a specific story.
Data Catalog

- Data Catalog is a 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.
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
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.
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.
The **Reports** module contains a series of predefined reports. Users can update the reports dynamically by changing selections of countries or years.
The **Data Analysis** module is a platform for user-generated data management, graphical display, and quantitative analysis.
**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 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.
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.
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
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