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IMF Standards for Data Dissemination





- The IMF launched the Data Standards Initiatives to enhance member countries' data transparency and to promote their development of sound statistical systems. The need for data standards was highlighted by the financial crises of the mid-1990's.
- Data dissemination standards enhance the availability of timely and comprehensive statistics, which contributes to sound macroeconomic policies and the efficient functioning of financial markets.
- The IMF has taken several important steps to enhance transparency and openness, including setting voluntary standards for the dissemination of economic and financial data.

enhanced-General Data Dissemination System

THINATION OF THE PARTY FOR

- On May 1, 2015, the Executive Board discussed the Ninth Review of the IMF's Data Standards Initiatives.
- Directors supported staff's proposals for enhancing the General Data Dissemination System (GDDS).
- As a result, the successor, enhanced-General Data Dissemination System (e-GDDS), was established.
- Effective May 1, 2015, the e-GDDS thus superseded the GDDS.
- The 112 GDDS participants were moved into the e-GDDS framework's "baseline" by default.

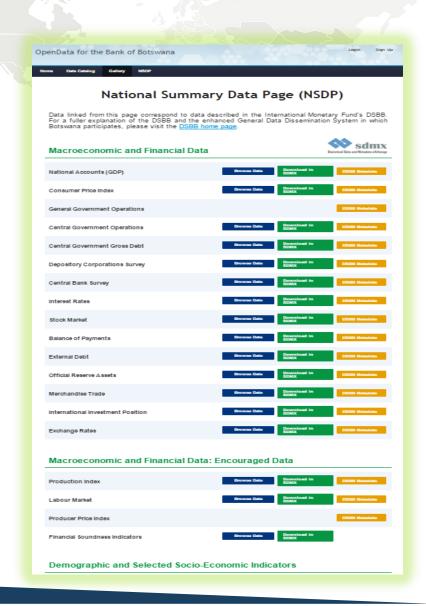


Participation in IMF Data Standards Initiatives SDDS Plus SDDS ■ eGDDS with NSDP eGDDS Outside the standards

What is the National Summary Data Page (NSDP)?



- Part of the IMF's data dissemination standards (SDDS, SDDS Plus, and e-GDDS)
- Critical element of the e-GDDS framework
- Requires (SDDS, SDDS Plus) or recommends (e-GDDS) countries to disseminate a standard set of data
- Countries disseminate data in "human-readable" and machine-readable (Statistical Data and Metadata Exchange (SDMX)) format for e-GDDS and SDDS Plus
- IMF considering proposals for requiring SDMX for SDDS dissemination in the future



What is the NSDP? (continued)



- NSDP is a table on a HTML webpage with one row for each of the e-GDDS data categories showing:
- Hyperlink to national websites where data for the data category are available (human readable)
- Hyperlink to a SDMX file for the data category
- Link to metadata for the data category



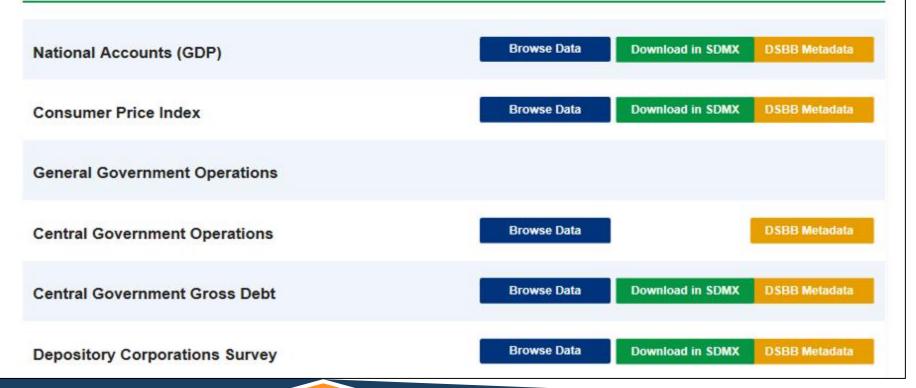
Electronic Data Interchange

National Summary Data Page (NSDP)

Data linked from this page correspond to data described in the International Monetary Fund's DSBB. For a fuller explanation of the DSBB and the enhanced General Data Dissemination System in which Namibia participates, please visit the <u>DSBB home page</u>.

Macroeconomic and Financial Data





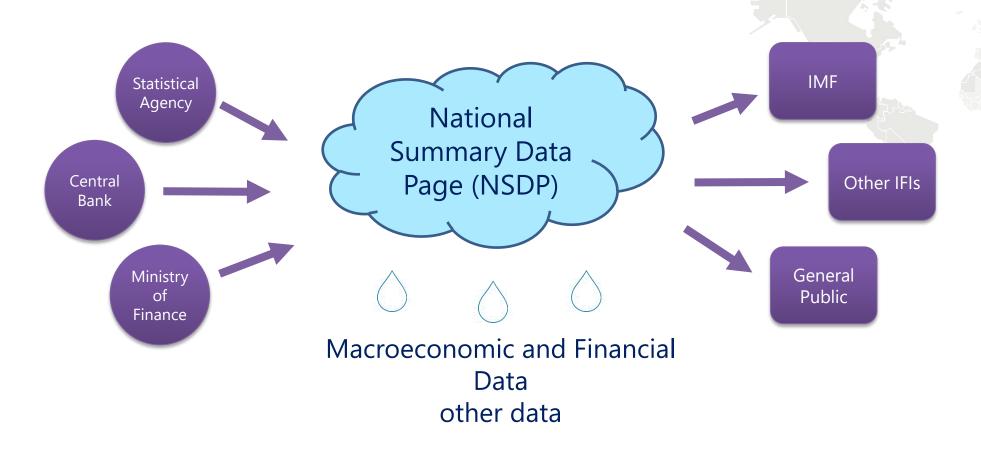


NSDP:

Provides user friendly access to timely data on key macroeconomic and financial indicators

e-GDDS: Centralizing National Data





Data sourced from multiple agencies

Single source for data based on SDMX format

Data accessible by multiple users

Benefits of Using the e-GDDS Framework



- Harmonized data categories
- Ease of access for users (NSDP)
- Ease of publication (ODP, IMF SDMX Central)
- Disciplined timely dissemination (ARC)
- Monitoring of dissemination against the ARC
- Grouping countries according to dissemination practices
- Plans for improvement based on shortcomings identified
- Identification of capacity development needs
- Roadmap to meeting higher thresholds, including SDDS subscription

African e-GDDS Countries to date



With an NSDP

- Benin
- Botswana
- Cameroon
- Lesotho
- Malawi
- Mozambique
- Namibia
- Nigeria
- Senegal
- Sierra Leone
- Swaziland
- Tanzania
- Uganda
- Zambia





- Cote d'Ivoire
- Ghana
- Kenya

Extent of Data Dissemination on the NSDP



| By Country | Number of Categories | Number of Series collected | Number of Data periods |
|--------------|----------------------|----------------------------|------------------------|
| Botswana | 20 | 2,517 | 298,353 |
| Benin | 17 | 1,873 | 229,840 |
| Lesotho | 20 | 2,129 | 360,976 |
| Malawi | 17 | 1,746 | 35,962 |
| Nigeria | 22 | 2,181 | 300,526 |
| Senegal | 15 | 572 | 15,537 |
| Sierra Leone | 13 | 901 | 15,668 |
| Namibia | 24 | 2,650 | 354,245 |
| Swaziland | 20 | 2,527 | 212,251 |
| Tanzania | 23 | 2,469 | 193,216 |
| Uganda | 22 | 3,460 | 324,095 |
| Zambia | 20 | 834 | 40,479 |



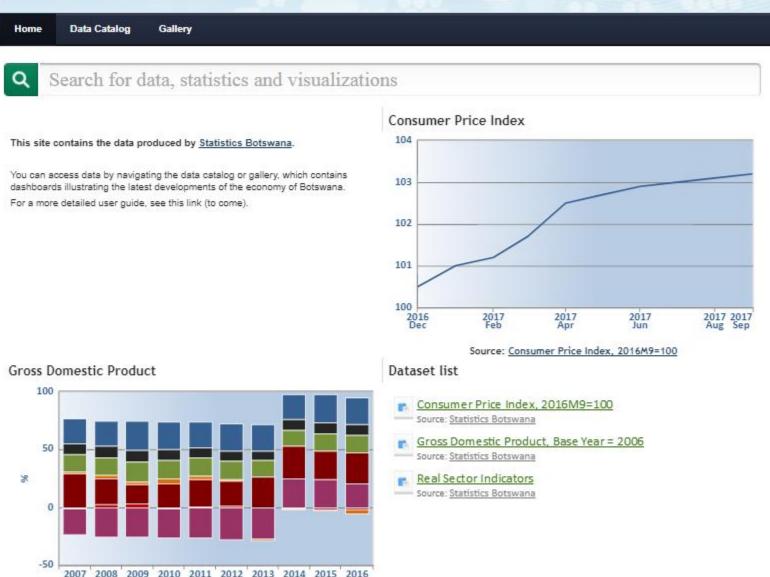
eGDDS NSDPs:

About 24,000 time series regularly updated and available in machine-readable format

E-GDDS: Options for Producing the NSDP



OpenData for Statistics Botswana



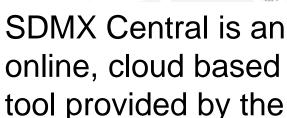
- The e-GDDS NSDP requires a platform to disseminate data in SDMX format
- The "OpenData Platform" (ODP) is made available to African countries by the African Development Bank
- Until recently, no freely available option was available to other countries

IMF SDMX Central: Your Gateway to the e-GDDS NSDP









Countries can use

SDMX Central to

convert the e-GDDS

Data Templates to an

SDMX-ML data file

IMF



Version 9.0.74 **1**







Browse Data

Browse all data that has been made available to IMF SDMX Central

Export Structures

Web Service

Structure Maps

Home

Data

Metadata

Organisations

- Activity
- Q Search

Convert or Publish

Validate, Convert, Tabulate, and Publish data to IMF SDMX Central

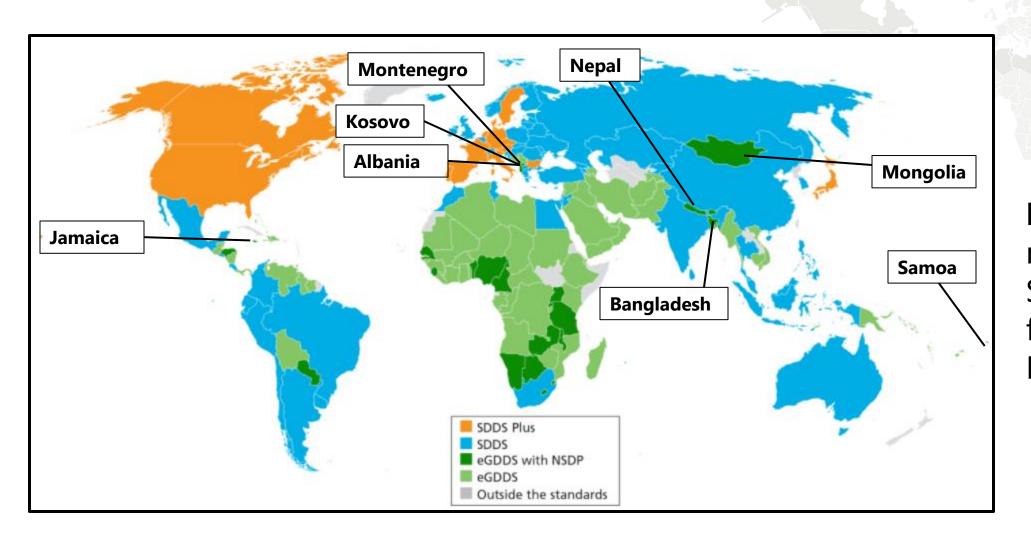
Data Registration

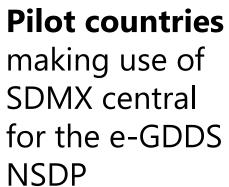
Register the location of your datasets and reregister any dataset changes Go to
https://sdmxcentral.imf.
org/ to access SDMX
Central



NSDP: SDMX Data from SDMX Central



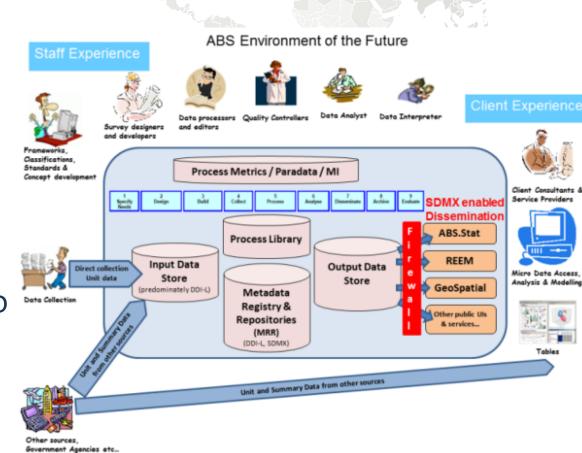




Cloud-based SDMX Central



- For countries without an existing SDMX infrastructure, IMF is providing access to a cloud-based tool that converts Excel or csv files to SDMX.
- Generate a csv or Excel file in the required format. Upload Excel files to the cloud-based tool, which validates the structure and converts to SDMX.
- Uses the IMF's defined dataset structure to map to country source data (EcoFin DSD)



Use of EcoFin DSD



- EcoFin DSD: Economic and Financial Data Structure Definition used by the IMF for the exchange of statistical data
- Drives the SDMX for countries' data dissemination
- Countries participating in e-GDDS disseminate data using the EcoFin DSD
- Countries adhering to SDDS Plus also disseminate data using the EcoFin DSD



samx

SDMX-ML



v2.0

Generic, Compact, Utility, Cross-Sectional, Message Group

v2.1

Generic, Structure-Specific Generic Time Series, Structure-Specific Time Series

Excel Sheets



Converting Excel Data to SDMX





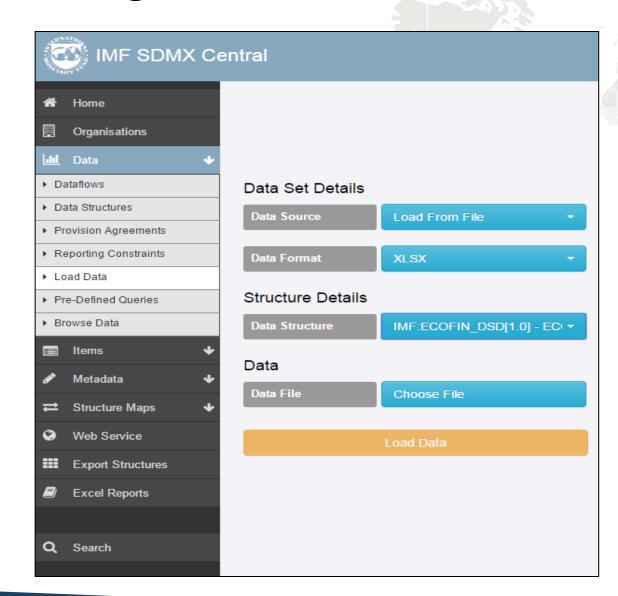
Conversion:

A simple process using data in Excel following a predefined structure

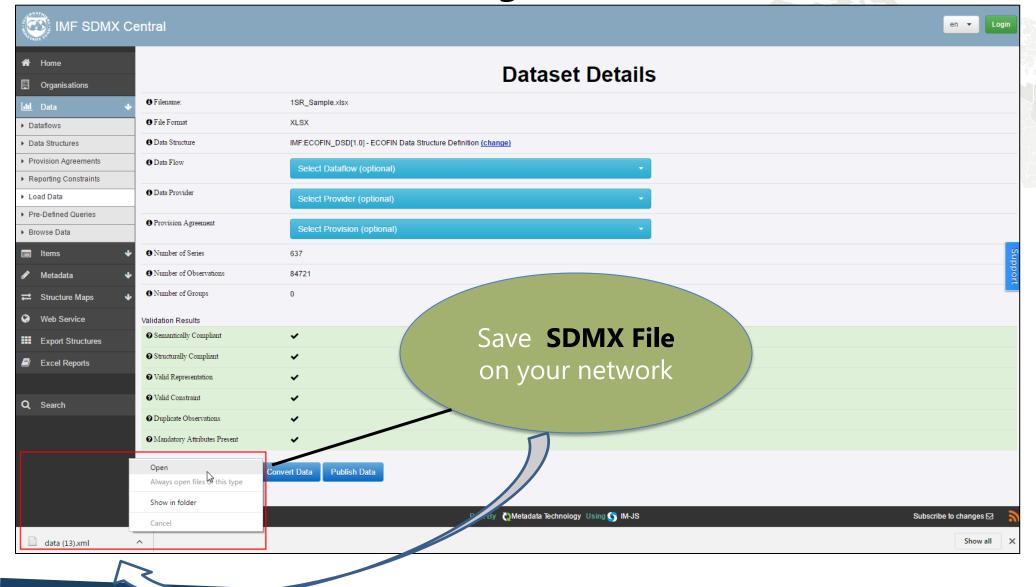
Converting Excel Data to SDMX (2)

HINATION PARTY IN

- 1. Select
- •Data Source as **Load from File**
- Data Type as XLSX
- Data Structure as ECOFINData Structure Definition(1.0)
- 2. Click on **Choose File** to browse for the Excel Data file
- 3. Click on **Load Data** to submit for validation



Converting Excel Data to SDMX (3)

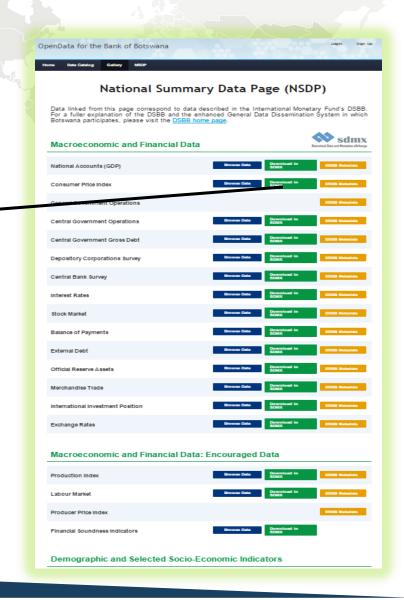


The SDMX File for NSDP



Link the SDMX file to your NSDP

```
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xmlns:common="http://www.SDMX.org/resources/SDMXML/schemas/v2_0/common" xmlns:ns1="urn:sdmx:org.sdmx.infomodel.datastructure.DataStructure=IMF:ECOFIN_DSD(1.0):ObsLevelDim:TIME_PERIOD"
       <message:ID>DS1458238861057</message:ID>
<message:Test>false</message:Test>
       <message:Prepared>2016-03-17T18:21:01</message:Prepared>
<message:Sender id="METATECH"/>
       <message:KeyFamilyRef>ECOFIN_DSD</message:KeyFamilyRef>
<message:KeyFamilyAgency>IMF</message:KeyFamilyAgency>
        <message:DataSetID>a6398946-8141-4c38-9d6e-04867e888f08</message:DataSetID>
        <message:DataSetAction>Information</message:DataSetAction>
   <ns1:DataSet>
       *cns1:Series TIME_FORMAT="P1M" UNIT_MULT="0" FREQ="M" COUNTERPART_AREA="_Z" INDICATOR="FIPL_PA" REF_AREA="NG" DATA_DOMAIN="6SR"> (ns1:0bs OBS_VALUE="18.86" TIME_PERIOD="2005-01"/>
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Next Steps in Implementation of e-GDDS





The NSDP and Data for Surveillance

- Following completion of pilot NSDPs developed using SDMX Central, the IMF Statistics Department is re-examining its implementation strategy for e-GDDS to:
 - Ensure NSDP is the "Go-to" website for country surveillance needs
 - Set procedures to maintain highest timeliness of NSDP data

STA will reach out to Arabstat by year-end 2017 to discuss the e-GDDS strategy using SDMX Central



Thank You!