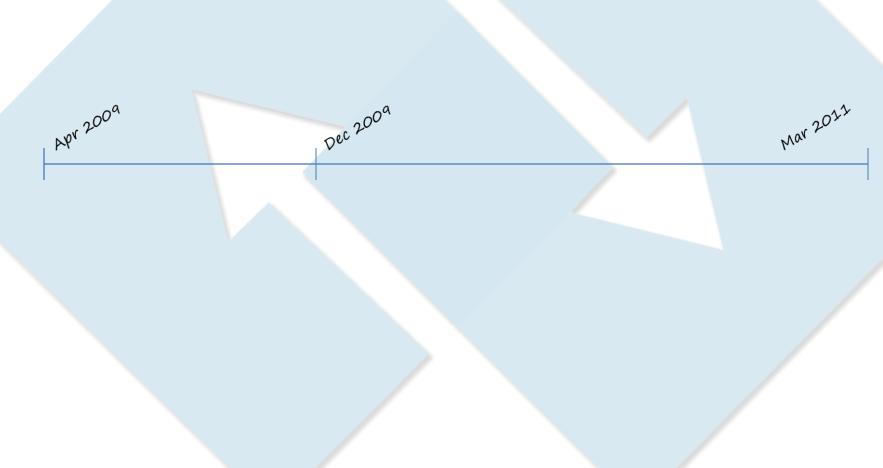
# Principal Global Indicators

Innovation in communication of official statistics



- The PGI website provides
  - Cross-country data for the G-20 + 5 FSB-Non-G20 economies
  - Data presented in comparable units of measure
  - Access through on-line database with historical data





Dec 2009

May 2012

Principal Global Indicators (PGI) data set is created to "facilitate the monitoring of economic and financial developments" of the G-20

## Background PGI web site

#### Website of the Inter-Agency Group on Economic and Financial Statistics

Additional Data Sources

The PGI website presents data for the Group of 20 (G-20) to facilitate the monitoring of economic and financial developments for these systemically important economies. Launched in response to the on-going financial and economic crisis, it is hosted by the IMF, and is a joint undertaking of the Inter-Agency Group on Economic and Financial Statistics: Bank for International Settlements (BIS), European Central Bank (ECB), Eurostat, the International Monetary Fund (IMF), the Organisation for Economic Co-operation and Development (OECD), the United Nations (UN), and the World Bank (WB).







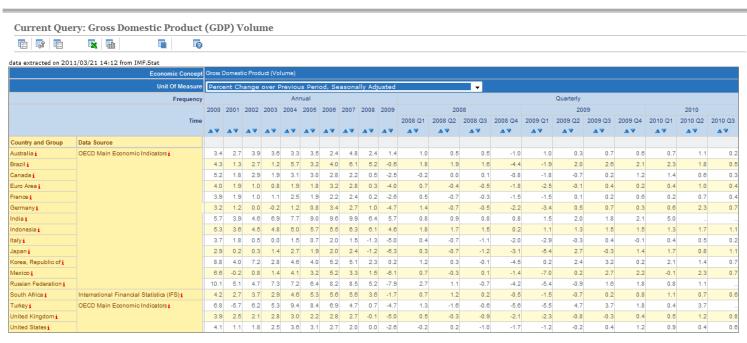












Website is enhanced to include map visualizations of key indicators - utilizes a RESTful SDMX web service to share data

1 2

Mar 2011

Principal Global Indicators (PGI) data set is created to "facilitate the monitoring of economic and financial developments" of the G-20

#### Principal Global Indicators Product of the Inter-Agency Group on Economic & Financial Statistics

PGI Data Explorer is now available on iTunes for the iPad, iPhone and iPod Touch! Learn more about the app. Principal Global Indicators Data Mapper Additional Data Sources IMF Data Mapper ® MAP CHART **BUBBLE CHART** Dataset: PRINCIPAL GLOBAL INDICATORS / Subject: Real GDP (Annual) About dataset About subject % Change over Previous Period, Seas. Adj. 5% or more 2.5% - 5% less than 0% 1% - 2.5% no data Real Gross Domestic Product is the most commonly used measure of a country's overall economic activity. It represents the total value: constant prices of final goods and services produced within a country during a specified time period, such as one year. Data are seasonally adjusted. Add a country, region or group to the chart + LINE CHART BAR CHART @1MF, 2010 ✓ United States 2.9 5.0 ~ 2.5 1.6 ~ 0.0 ✓ Canada 3.1 -2.5

#### **Usage statistics**



#### Over 300 visits per day, 7 days a week



Website is enhanced to include map visualizations of key indicators - utilizes a RESTful SDMX web service to share data

1 2 3

Principal Global Indicators (PGI) data set is created to "facilitate the monitoring of economic and financial developments" of the G-20 IMF Statistics department sponsors a mobile application based on the PGI dataset

#### PGI Mobile: Approach & Design

- Utilize existing infrastructure as much as possible
- Limit maintenance
- Make it easy to add new indicators, data sources and datasets

#### How it works

Principal Global Indicators

Data Mapper

Additional Data Sources

IMP Data Mapper

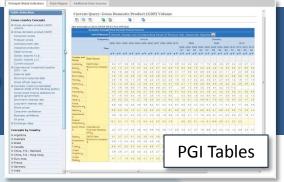
District PRINCIPAL GLOBAL BIOCATORS / Tollegat Red GDP (Annual)

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Service enables changes to the dataset to seamlessly flow to all effected products



SDMX acts as gateway to access data in PGI, regardless of format

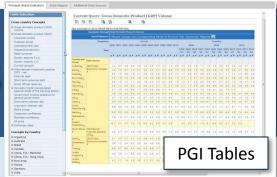


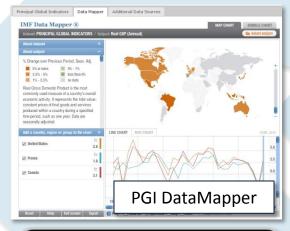


PGI Dataset contains all data relevant to each of the PGI products

#### How it works

Service enables changes to the dataset to seamlessly flow to all effected products







SDMX Service

SDMX acts as gateway to access data in PGI, regardless of format



PGI Dataset contains all data relevant to each of the PGI products

#### PGI Mobile: End Result

- Users get up-to-date data as it becomes available
- Rendering of the data into tables, charts & graphs occurs on the client device
- Mobile application retrieves data using the SDMX web service

#### **SDMX Benefits**

Faster Time to Market

Places Business before Technology

Lower Cost, More Value

#### Faster Time to Market

- Allows the inter-agency group to more quickly adapt to market demands
- "Disseminate once, use everywhere"
- No need to coordinate the release of data per application, focus only on the dataset

#### Business before Technology

- Shift of focus from technical needs to functional requirements
- Easy to scale-up- additional series do not require changes to existing architecture

#### Lower Cost, More Value

- Decreases development time & costs
- Maintenance is simplified changes to the structure of the dataset only affects service, not applications using the service
- Additional data sources using SDMX standards can be easily added to the applications

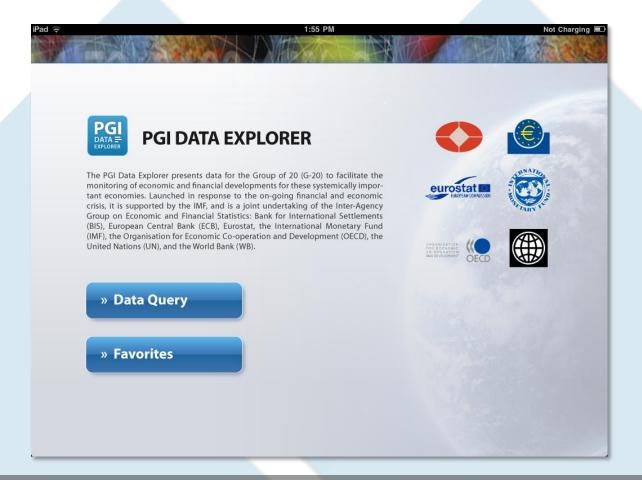
#### Way Forward for PGI

 Improving the data coverage and timeliness of the PGI

 Increase the access to PGI data by promoting the adoption of SDMX for the dissemination of official statistics

#### Next Steps for SDMX

- Data collection using SDMX
- SDMX Registry
- Data Structure Definitions



#### PGI Mobile

iPad, iPhone

#### WebService for PGI



sdmxws.imf.org/Gateway/QueryPage.aspx?Type=DatasetList



Dot Stat Datawarehouse Exit Gate

Home: Dataset List Query: Get Dataset List

#### SDMX Web Service - User Query Test Interface

#### Home

- ▼ Dataset List Query
  - Det Dataset List
- ▼ Data Ouerv
  - Data Structure Definition (DSD)
  - ▶ Generic Data
  - D Compact Data
- ▼ MetaData Ouerv
  - ▶ Metadata Structure Definition (MSD)
  - ▼ Generic Metadata
    - Dataset
    - Dimension
    - Dimension Member
    - Coordinates
- ▼ Metadata Ouerv 2.1
- D Generic Metadata
- Structure Set Query (Mapping)
  - ▶ IMF to ISO 3166-1-alpha-2 ▶ IMF to ISO 3166-1-alpha-3

  - ▶ IMF to ISO 3166-1-numeric-3
- b Help

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Validate

Download SDMX

SDMX Data

