



EUROPEAN CENTRAL BANK

EUROSYSTEM

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# **SDMX, Latest Developments Global Registry Global DSDs**

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- **What is SDMX?**
- **Why SDMX?**
- **SDMX Global Registry and Global DSDs**
- **What is the SDMX Global Registry?**
- **Who should use it?**
- **How to use it?**
- **Short demo**
- **Next steps**

## SDMX

- SDMX is an initiative to foster standards for the exchange of statistical information.
- Sponsored by seven International Organisations:
  - BIS - **ECB** - EUROSTAT - IMF - OECD - UN - World Bank
- [www.sdmx.org](http://www.sdmx.org)
- SDMX has published technical standards for the representation and exchange of statistical data.
- SDMX 2.1 is the most recent, it includes:
  - A XML representation of statistical data
  - Standards for web services to query and retrieve data.
- The representation of statistical data in SDMX requires the development of a Data Structure Definition (DSD)

## Vision

- Empower an official global Statistical Information System (SIS) applying SDMX with harmonised data structure definitions where National Statistical Offices and Central Banks and International Organisations (IOs) publish on their websites free of charge comparable macroeconomic statistics and indicators in English.

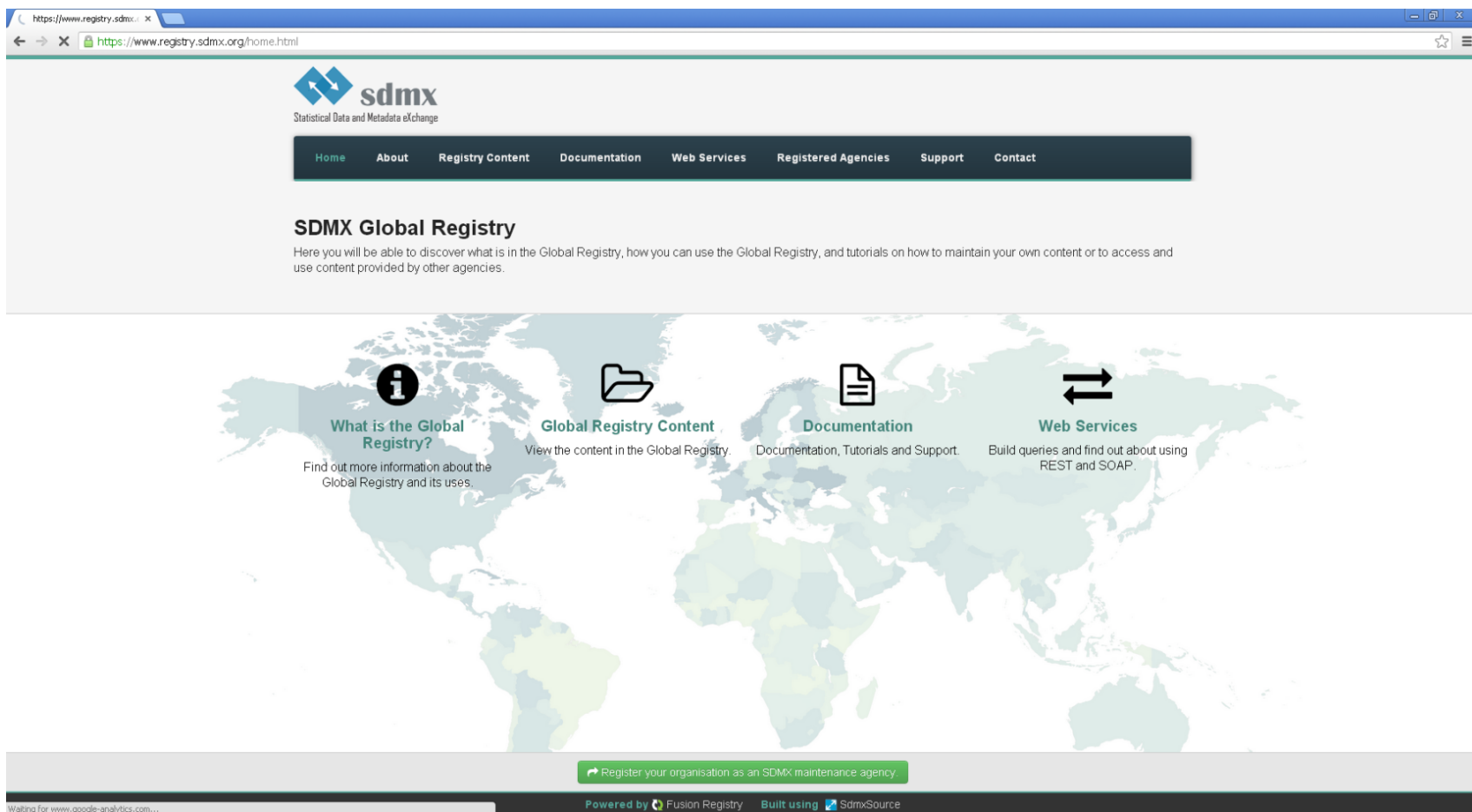
## Objective

- A Global Reference Database for economic and financial data
  - Model of the Principal Global Indicators website
  - Not competing with databases of IOs but complementing
- Key to support multilateral macroeconomic surveillance and global financial stability:
  - Mutual Assessment Process (MAP)
  - Macroeconomic Imbalances Procedure (MIP)

- Global DSDs for Balance of Payments and National Accounts have been developed to support the world-wide technical implementation of BPM6 and SNA2008 statistical standards
- The Global Registry is a tool developed to support the implementation of [SDMX](#), by making its metadata material, DSDs and related artefacts (concept schemes, metadata structure definitions, code lists, etc.), **publicly and centrally available**.

The SDMX Global Registry went live on March 26th 2014.

<https://registry.sdmx.org/home.html>



The screenshot shows the homepage of the SDMX Global Registry. At the top left is the SDMX logo with the tagline "Statistical Data and Metadata eXchange". Below the logo is a dark navigation bar with links: Home, About, Registry Content, Documentation, Web Services, Registered Agencies, Support, and Contact. The main heading is "SDMX Global Registry" followed by a brief introductory paragraph. Below this is a world map with four callout boxes: "What is the Global Registry?" (with an information icon), "Global Registry Content" (with a folder icon), "Documentation" (with a document icon), and "Web Services" (with a double-headed arrow icon). At the bottom, there is a green button that says "Register your organisation as an SDMX maintenance agency". The footer contains the text "Powered by Fusion Registry" and "Built using SdmxSource".

# What is the SDMX Global Registry?

- The central reference point and authoritative source for SDMX **global** data structure definitions (DSDs), cross-domain concepts and code lists (starting with BPM6 and SNA2008).
- The SGR will host other SDMX data structure definitions and artefacts that are used and maintained by national and international organisations.
- The SGR can be developed into a global portal for SDMX structural data and metadata, providing not only information about how statistical information is structured, but also where the related data can be accessed.

# Who should use it?

- **national or international institutions, for**
  - exchanging data with other organisations using SDMX standard
  - facilitating its internal data management
  
- **end-user of statistical data, for**
  - accessing the data structures posted on the SGR, either global as BPM6 or SNA2008, or those maintained by national or international statistical institutions
  - understanding how the referred data are structured, and what kind of statistical information (e.g. time series) can be found, for example, in the Balance of Payments BPM6.



# How to use it? Humans

- All information published in the SGR is **publicly available and freely viewable and downloadable**. There is no need to log in to view or to download information
- [SDMX Global Registry Content](#)
- **View** the full content of the Global Registry, see how the various objects are interlinked and use the [SDMX Global Registry Technical viewer](#).
- **Subscribe** to SGR changes by means of the RSS feed that is available in the [SGR Technical viewer](#).
- **Get documentation** in the [Global Registry Wiki](#).

# How to use it? Machines

- The Global Registry provides two protocols for users or applications to query for SDMX content:
  - RESTful Web Service allowing its content to be queried via an HTTP request. This allows users to view SDMX structural content via a Web Browser, and facilitates application-to-application communication.
  - SOAP Web Service. The SOAP protocol facilitates application to application communication.
- There are no security restrictions on either of these protocols.
- Both protocols can respond in any version of the SDMX standard.

# Short demo



- Home
- About
- Registry Content
- Documentation
- Web Services
- Registered Agencies
- Support
- Contact

## SDMX Global Registry

Here you will be able to discover what is in the Global Registry, how you can use the Global Registry, and tutorials on how to maintain your own content or to access and use content provided by other agencies.



Register your organisation as an SDMX maintenance agency

# Next steps

- Manage Global DSDs
  - Governance structure under SDMX
  - Yearly review for minor changes
  - More substantial adjustments for changes in methodology less frequent
- Increase the number of global DSDs
- Add proprietary DSDs (possibly)
- Add reference to data

Thank you for your attention.