



**STATISTICS**

# **Facilitating Data Dissemination: IMF Data Standards Initiatives and SDMX**

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**D4D FUND STEERING COMMITTEE MEETING**

**Paul Austin**

*Division Chief  
Resource Management Division  
IMF Statistics Department*

**Niall O'Hanlon**

*Deputy Division Chief  
Data Governance and Services Division  
IMF Statistics Department*

# **Introduction to IMF Data Standards**

# IMF Data Standards Initiatives



Multilateral effort promoting data transparency as a global public good



Promotes data transparency, beneficial for statistical development and market access



Framework for interagency coordination

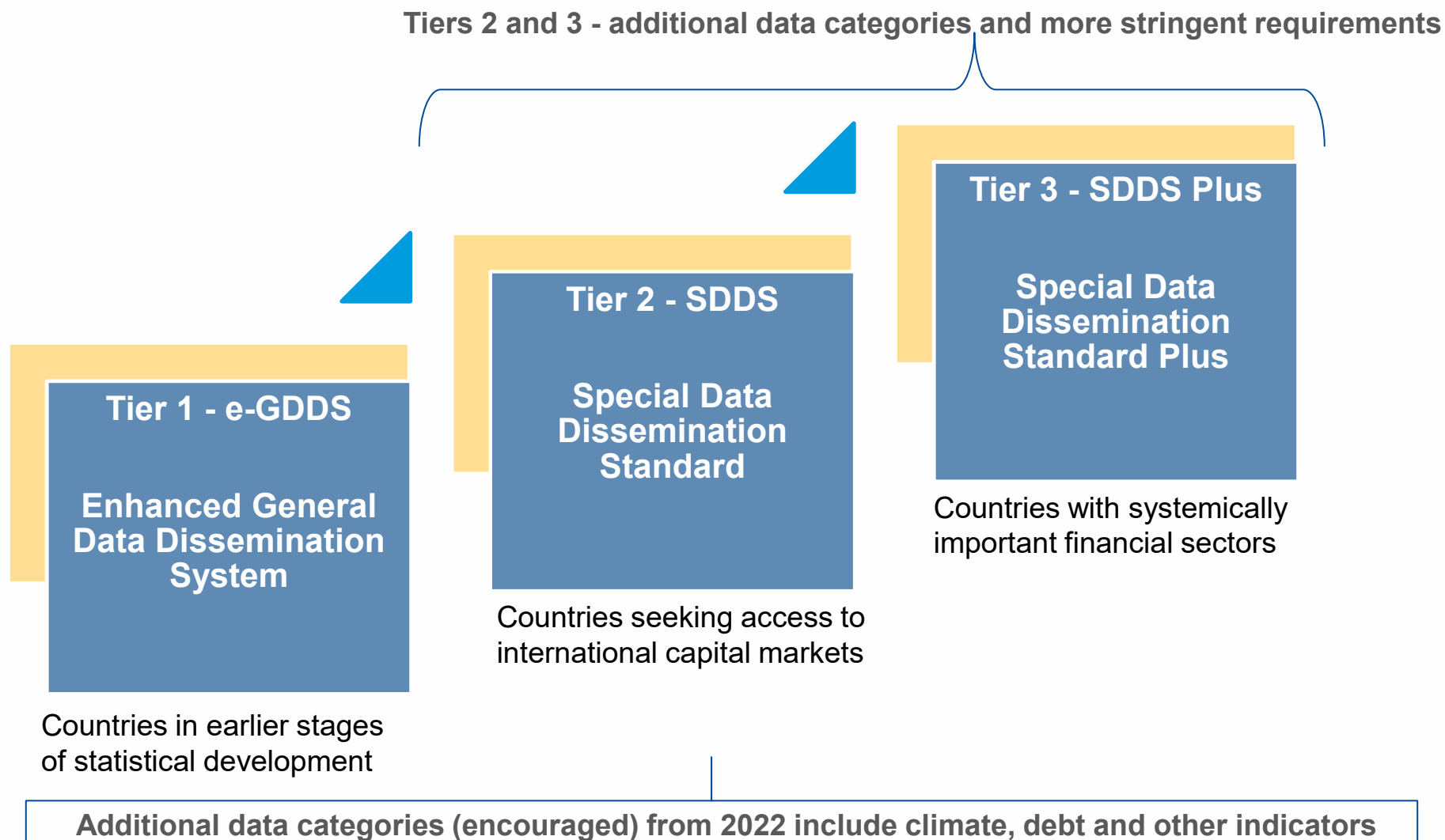


Collaboration with AfDB and World Bank



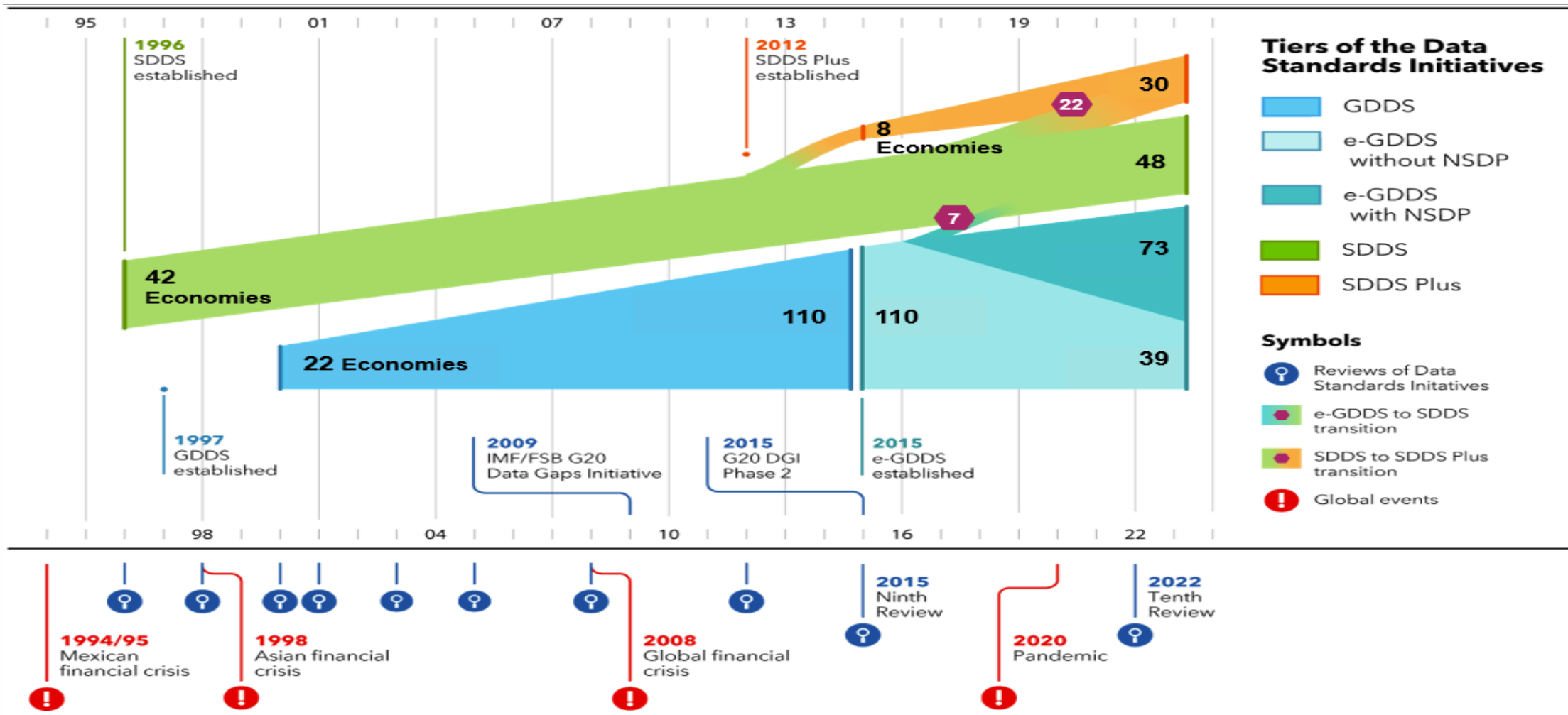
Closely integrated with SDMX technological advances

# IMF Three-Tiered Framework for Data Dissemination



# IMF Data Standards Initiatives: a Success Story

From 42 participants in 1996 to 190 participants\* in 2024 (185 IMF Member Countries)



\* Includes territories.

# Benefits of IMF Data Standards Initiatives

Strengthens data transparency

Facilitates economic monitoring

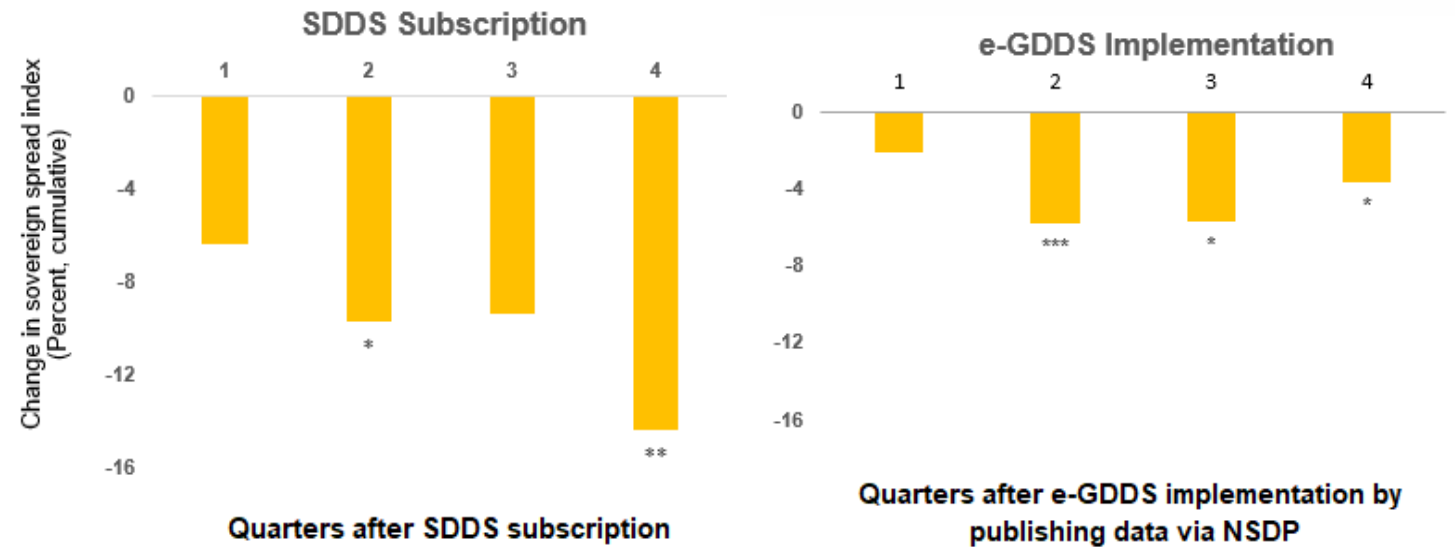
Improves sovereign financing conditions

Enhances interagency coordination

Supports convergence of regional and global practices



### Effect on sovereign spreads of implementing the IMF Data Standards Initiatives



Source: IMF Working Paper, Improving Sovereign Financing Conditions through Data Transparency, 2022.

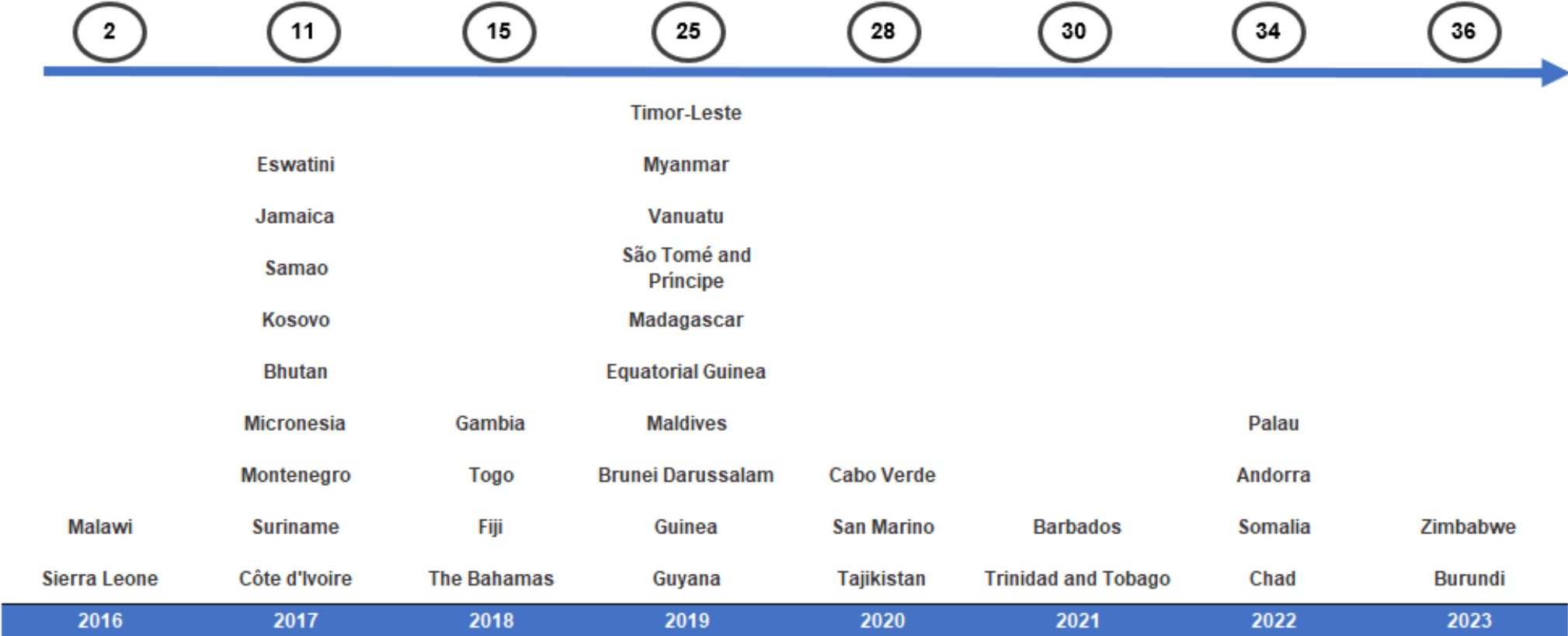
Note: \*\*\* (\*\*, \*) = significant at 1 (5, 10) percent level.

# **IMF Data Standards in the context of Fragile and Conflict Affected States (FCS)**

# FCS and Small States Journey to e-GDDS

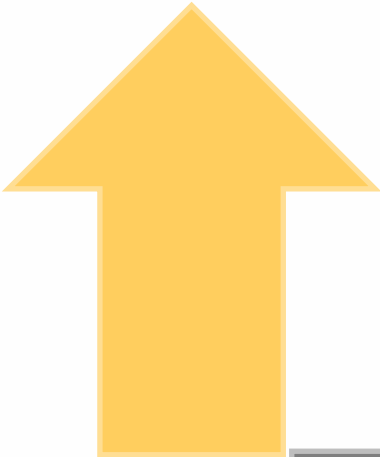
Participation increased from 2 countries in 2016 to 36 in 2023

36 FCS and Small States Participating in the e-GDDS with National Summary Data Page (NSDP) since 2016



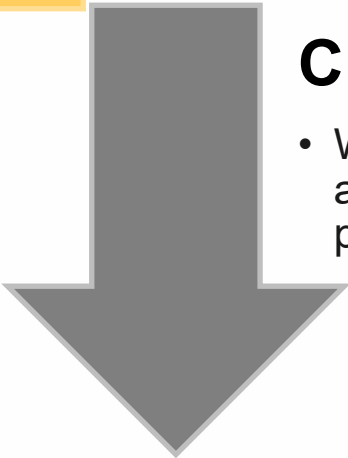


# Benefits and Challenges of Implementing Data Standards for FCS and Small States



## Benefits

- Efficiency gains from standardized dissemination.
- Powerful tool for interagency cooperation.

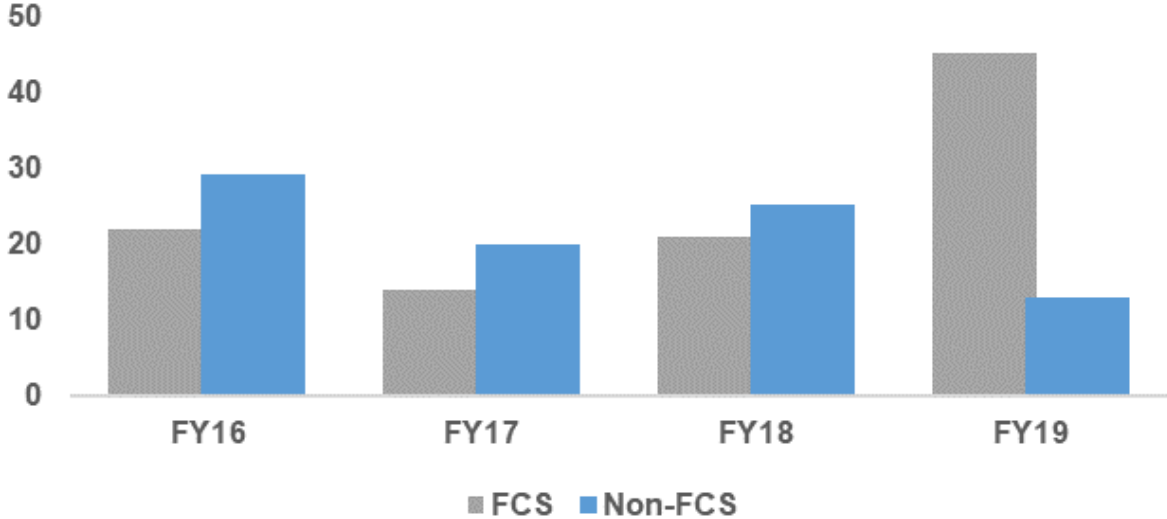


## Challenges

- Weak cooperation among data producing agencies.

## Countries facing Institutional Cooperation Challenges

(Percentage of total countries with CD delivery challenges in each category)



Source: IMF Working Paper, Building Statistical Capacity in Fragile and Conflict-Affected States, 2022.

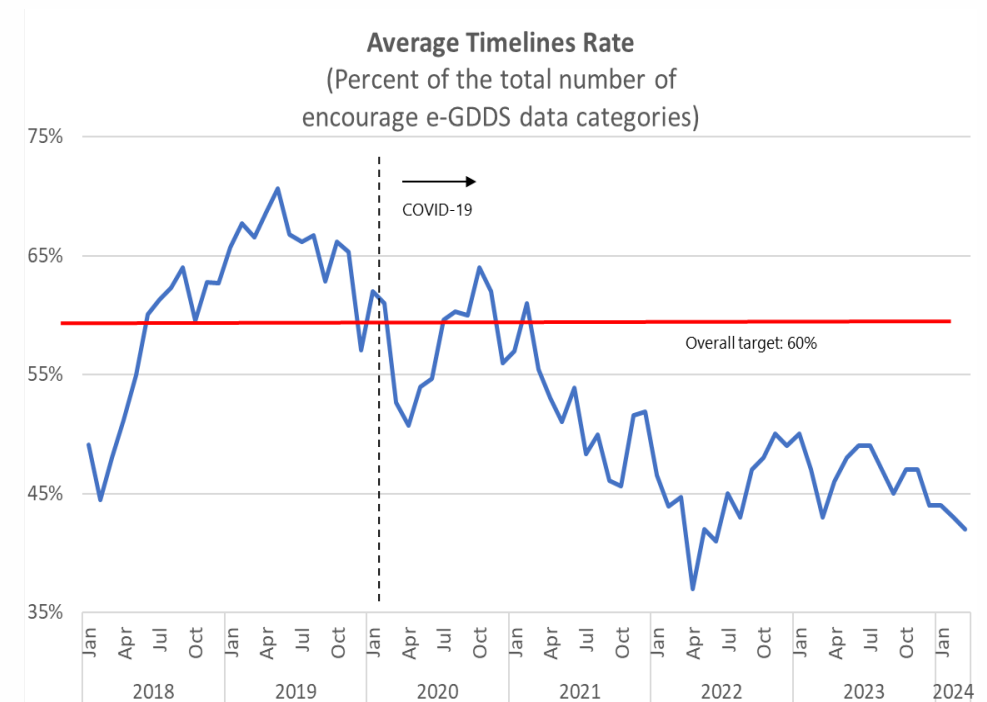
# Roadmap Ahead: e-GDDS and SDDS

## SDDS Countries

- Ongoing work motivated by better capital market terms and political commitment to transparency.
- Provision of data gaps analysis and support in implementing workplan to join SDDS and SDDS Plus.

## e-GDDS Countries

- Deterioration of timeliness/coverage during pandemic and requires further engagement.
- Extensive engagement is helping launch NSDP – Example of Niger.

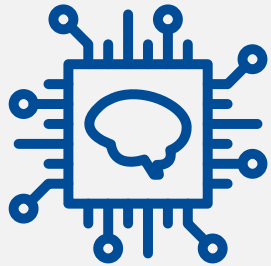


Source: IMF Staff Calculations

**SDMX**

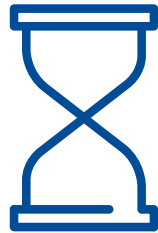
# Enhanced Processes for SDMX\* Usage

**Support modernization  
and ensure trust**



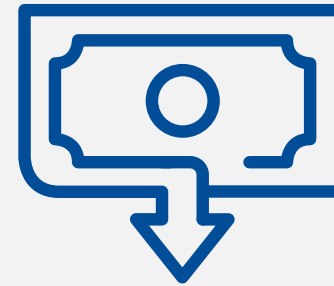
**To ensure data can be  
discovered,  
understood, and used  
- facilitated by global  
standards**

**Improve timeliness and  
accessibility**



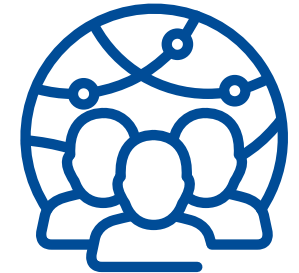
**Automated processes  
– dissemination as an  
event**

**Reduce costs and  
reporting burden**



**Open source,  
community sharing,  
and automation**

**Enable access to  
global ecosystems**



**Ecosystems of  
support and linked  
open data**

\*An international initiative that aims at standardizing and modernizing ("industrializing") the mechanisms and processes for the dissemination of statistical data and metadata.

# Working Towards 5 ★ Open Data

Dissemination practices with 1 to 3 stars persist.

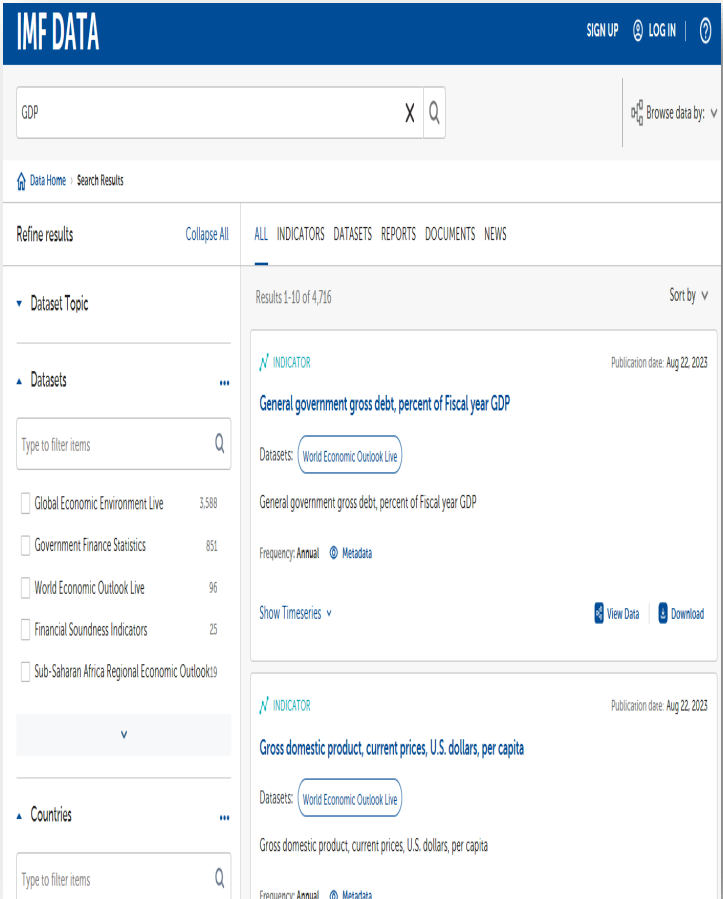
- PDF and HTML ★
- SDMX-enabled NSDP at the high end of ★★
- Data Dissemination TA delivers ★★
- and enables the jump to ★★



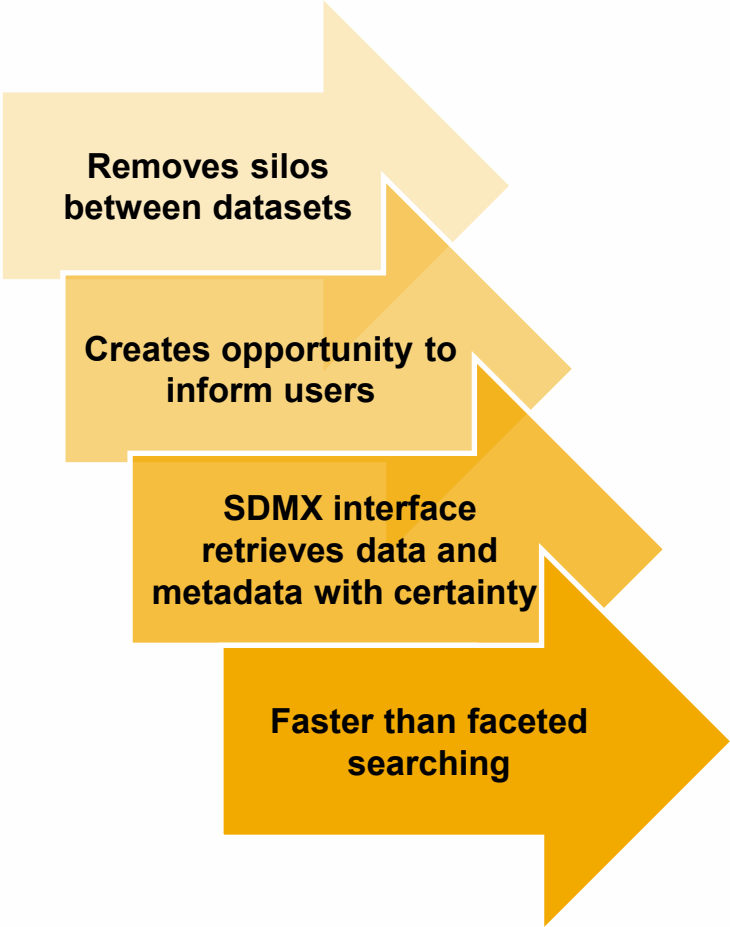
Source: <https://5stardata.info/en/>

# 5 Star Use Case – AI Supported Data Querying

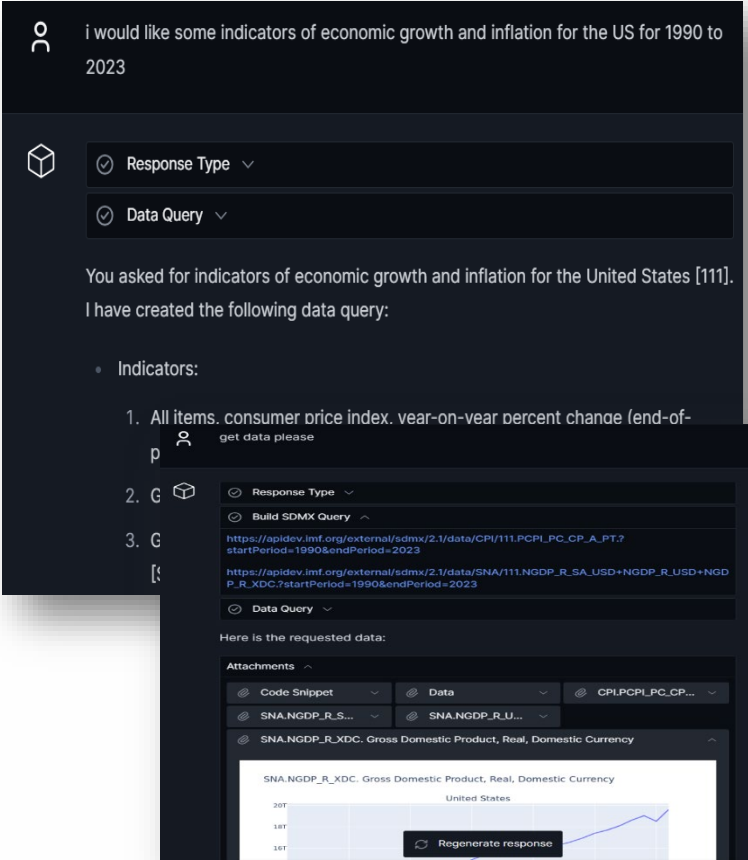
## Existing Data Dissemination System



## Benefits of AI supported data querying



## The Vision: AI supported data querying



# Improving Data Accessibility – How it Will be Done

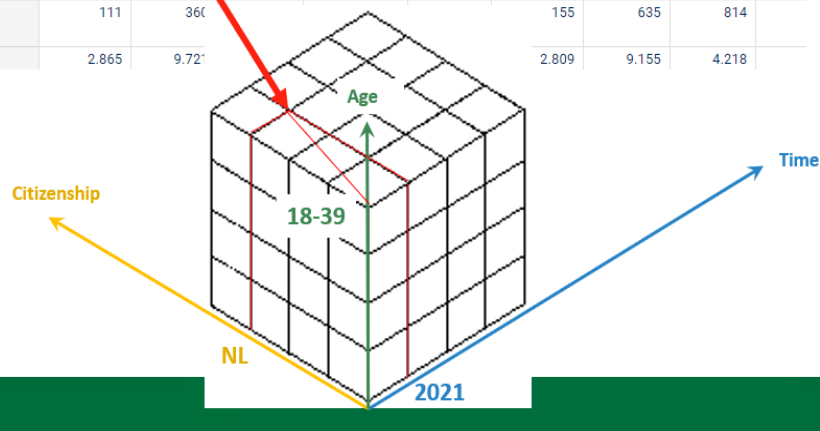
## From Statistical Table to Data Cube



From statistical table to data cube

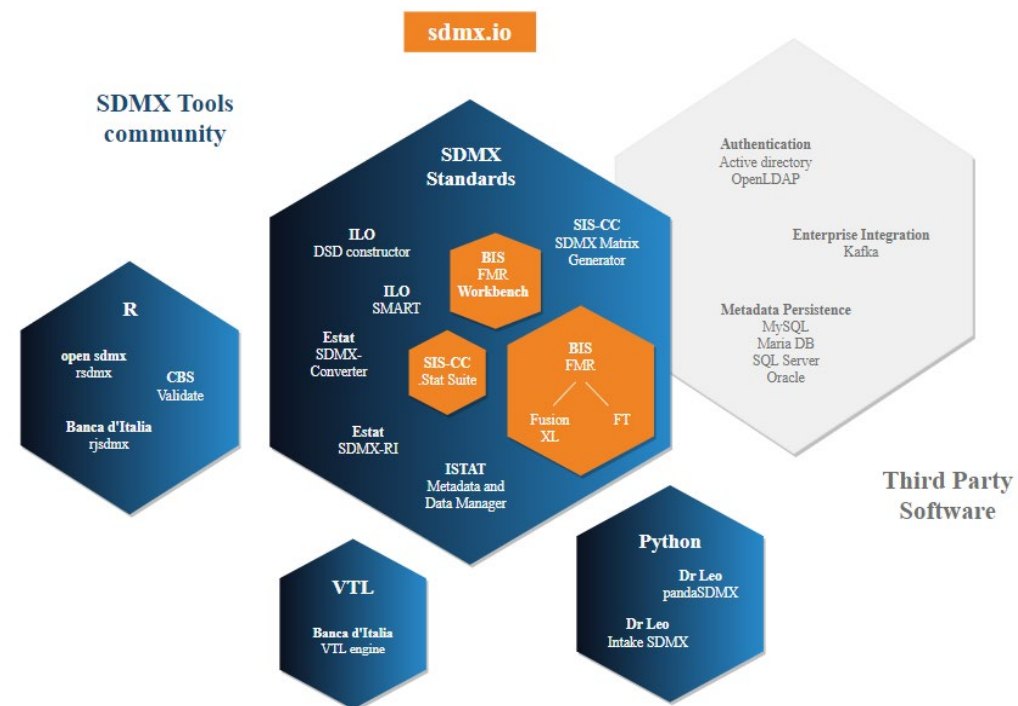
Immigrants by citizenship and age

Time	2018					2019				
	Until 17 years	18-39 years	40-64 years	65 years and over	Total	Until 17 years	18-39 years	40-64 years	65 years and over	Total
Citizenship										
Norway	8	15	9	2	34	3	12	10		
Netherlands	44	87	107	26	264	34	73	129		
Poland	90	210	165	16	511	58	211	196		
Portugal	23	148	72	7	250	40	156	70		
United Kingdom	111	360				155	635	814		
Romania	2.865	9.721				2.809	9.155	4.218		



Source: African Development Bank Training Material

## SDMX Tools and Third-Party Software



# Existing Collaboration and Potential Partnerships

## Existing Collaboration



Funded by:



## Potential Partnerships



The Cooperation Council for the Arab States of the Gulf



Communauté du Pacifique



**Thank you!**

**Questions?**

# **Background/Reference Slides**

# Data Standards: Countries with Ongoing Dialogue between STA and WB Task Team Leader for Projects in West and Central Africa

Country	SR Economist	WB Project (Timing)	Priority in the IMF Data Standards Initiative
Ghana	Joaquin Lennon Sabatini	HISWA (2020-2025)	Advance to SDDS.
Guinea	Samah Torchani	HISWACA-SOP 1 (2022-2027)	Improve performance within e-GDDS and advance work towards the subscription to SDDS.
Burkina Faso	Dilson Tiny	HISWA (2020-2025)	Improve performance within e-GDDS.
Côte d'Ivoire	Minsuk Kim	HISWA (2020-2025)	Improve performance within e-GDDS.
Sierra Leone	Nombulelo Braiton	HISWA (2020-2025)	Improve performance within e-GDDS.
Central African Republic	Samah Torchani	HISWACA-SOP 2 (2023-2029)	Outside the standards: establish an NSDP.
Guinea-Bissau	Dilson Tiny	HISWACA-SOP 1 (2022-2027)	Outside the standards: establish an NSDP.
Liberia	Joaquin Lennon Sabatini	HISWA (2020-2025)	Outside the standards: establish an NSDP.
Niger	Yingbin Xiao / Jesus Gonzalez-Garcia	HISWACA-SOP 1 (2022-2027)	Outside the standards: establish an NSDP.

# IMF Data Standards: Challenges and Collaborative Solutions

## Key Bottlenecks

## Collaborative Solutions with the World Bank

Outdated metadata

Hire experts to help countries update metadata.

Weak interagency coordination

Establish mechanisms, processes to improve interagency coordination (jointly with IMF area department teams/STA economists).

Poor statistics and physical infrastructure

- Modest furnishings and refurbishment using WB project funds.
- Support provision of ICT infrastructure (e.g., tablets, computers, scanners, photocopiers) and reliable internet connectivity using WB project money

Low absorptive capacity: Training

On-the-job training and workshops (STA and WB), Improve staff qualifications in the education system, for example, new undergraduate training program at the University of Liberia.

Human resource constraints

Address weakness in HR policy (for example, salary structure, promotion policy)

Lack of census and surveys to compile data

WB funds census and surveys (household income and expenditure surveys, business surveys) fully aligned with statistical methodology to improve external sector statistics, national accounts and prices data.

Data quality improvements

GDP rebasing, using international standards, geographical coverage, etc. (to improve data quality and availability).