

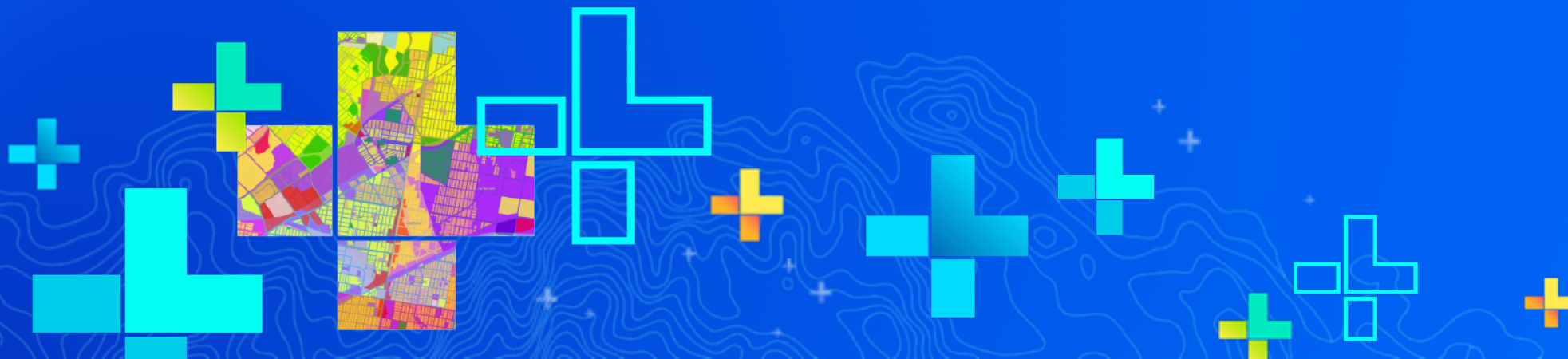


Integrating SDMX with Geospatial data in ArcGIS

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SEE
WHAT
OTHERS
CAN'T



Agenda

- Objective for this project
- Background
- Demonstration
- Now What?
- Next Steps

Objective

- This session will demonstrate how to geospatially enable SDMX data to be used in a GIS and shared across organizations and applications. It will focus on the integration of SDMX data within with the ArcGIS platform. ArcGIS allows enables the connection of people, locations, and data using interactive maps. Attendees will learn how to take their statistical data, join it to geography, and publish it as a geospatial service that can be used in a wide-variety of end-user applications. Through a simple web application, SDMX users are able to share their insights not only with the diverse and ever-expanding GIS community, but to virtually any audience. This new capability can allow more seamless integration of SDMX into GIS systems that can support a range of users and purposes, and allow for the creation of new datasets and expanded data collection and application capabilities.



Background



- **What is ArcGIS Online?**

- Part of the Esri Geospatial Cloud, ArcGIS Online enables you to connect people, locations, and data using interactive maps. Work with smart, data-driven styles and intuitive analysis tools that deliver location intelligence. Share your insights with the world or specific groups.

- **What can ArcGIS Online do for SDMX Data?**



Make maps

Quickly create maps by dropping in your spreadsheet and mashing it up with other location data included in ArcGIS Online. Apply Smart Mapping styles to make your data visually stunning.

[Learn more about making maps →](#)



Share & collaborate

Instantly share your maps with anyone, anywhere. Work collaboratively with your colleagues to build maps and apps.

[See how to share & collaborate →](#)



Analyze data

Intuitive analysis tools help you learn more about your data. Add valuable context to your data by combining it with Esri's demographic and lifestyle data.


[Discover analysis tools →](#)



Work with Your Data


Bring your data into a powerful system that geoenables, hosts, and scales. Precisely collect, update, and control access to your data.

[Explore ways to work with your data →](#)



Register SDMX in ArcGISMy SDMX ContentAdd Item as Feature Service

Project HomeReport an Issue

 Adam Pfister
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Step 1. Select your SDMX Source

SDMX API URLCSV File UploadJSON File Upload

Enter in a Url to an SDMX API Endpoint

https://api.data.unicef.org/sdmx/Rest/data/UNICEF,CME_DF,1.0/MRY0T4_T.269_/?dimensionAtObservation=AllDimensions&startPeriod=2017-06&endPeriod=2017-06

Example SDMX API Queries

	Name	Description	Source
Use	UNICEF	Under-5 Child Mortality Rate by Country	UNICEF
Use	Pacific Data Hub	Population below international poverty line (1.1.1) - 2016	Pacific Data Hub
Use	Pacific Data Hub	Population using safely managed drinking water services (6.1.1) - 2012-2017	Pacific Data Hub
Use	ERP by SA2 and above (ASGS 2016), 2001 onwards	ERP by SA2 and above (ASGS 2016), 2001 onwards	Australian Bureau of Statistics
Use	Census 2016, G57 Occup. by Age, by Sex (LGA)	Census 2016, G57 Occup. by Age, by Sex (LGA)	Australian Bureau of Statistics
Use	SDG 1.1.1 - Working poverty rate (percentage of employed living below US\$1.90 PPP)	The working poverty rate conveys the percentage of employed persons living in poverty in spite of being employed. Poverty is defined using the international poverty line of US\$1.90 per day in purchasing power parity (PPP). For further information, see the SDG Indicators Metadata Repository	International Labour Organization (ILO)

Check URL

Step 2. Add Geography

From a Feature Service URLFrom GeoJSON File

Enter in a Url to a Feature Service

https://services1.arcgis.com/pf6KDbd8NVL1UHarcgis/rest/services/World_Population_Estimate_Sources/FeatureServer/0

Check URL

Step 3. Publish as Hosted Feature Service

Publish

Demonstration

Now What?

Share your work through engaging, effective Applications



ArcGIS StoryMaps

ArcGIS StoryMaps helps you tell remarkable stories with custom maps that inform and inspire



Operations Dashboard

Operations Dashboard for ArcGIS is a configurable web app that provides location-aware data visualization and analytics for a real-time operational view of people, services, assets, and events



Developers

Create custom applications that integrates mapping and analytics

Now What?



- ArcGIS Hub provides a two-way engagement platform to connect government and citizens.
 - Sharing SDMX-based services as Open Data to support efforts on the SDGs
 - Standards-based
 - Supports GeoJSON as a Service
 - Downloadable data



Next Steps

- Build a community
- Participate on the GitHub repo open issues and suggest enhancements & features
- We'd also love to be a part of the discussion around how SDMX can incorporate geography in the future



Thanks!

