

Our SDGs

17 goals to transform our world

Open and transparent progress towards the United Nations Sustainable Development Goals.



Welcome

The 2030 Agenda for Sustainable Development provides a shared blueprint for peace and prosperity. At its heart are 17 [Sustainable Development Goals \(SDGs\)](#), which are an urgent call for action by all countries to end poverty, protect the planet, and improve the lives and prospects of everyone, everywhere.

Launched in [insert date], this Sustainable Development Goals (SDGs) hub highlights progress our organization is making on these universal goals.

- Name, Title

ArcGIS Solution for the SDGs

Supporting Esri's commitment to the SDGs

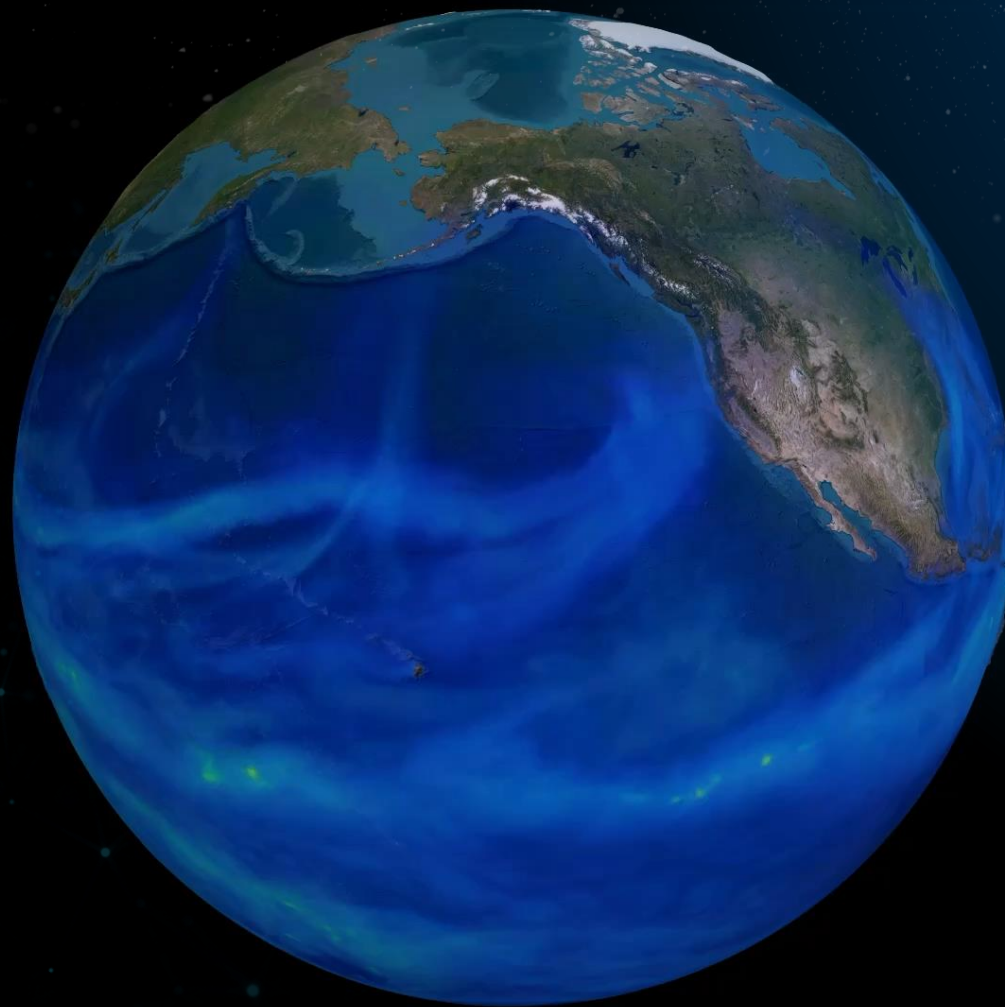


Purpose of Esri's SDG Initiatives

Democratize access to "timely, high-quality, and disaggregated data to drive targeted responses, help anticipate future needs, and shape needed actions" with geospatial context

Maps Tell Stories About Everything

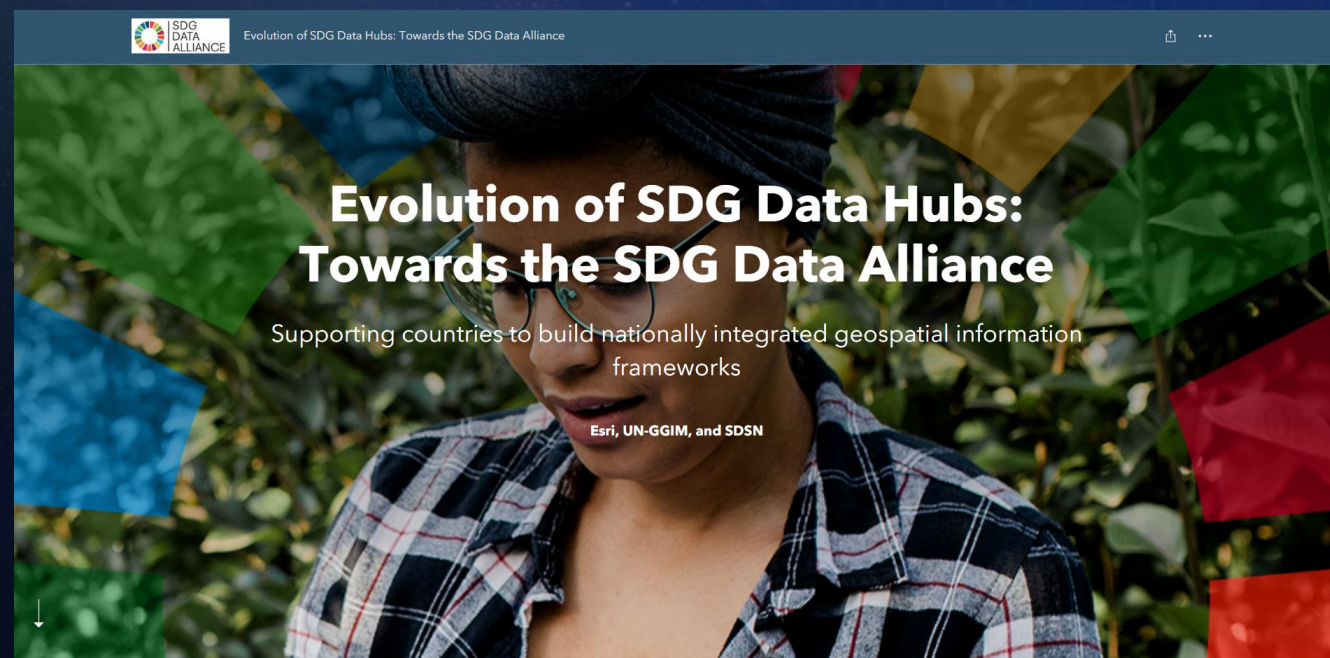
Stimulating a Sense of Wonder and Curiosity





Context

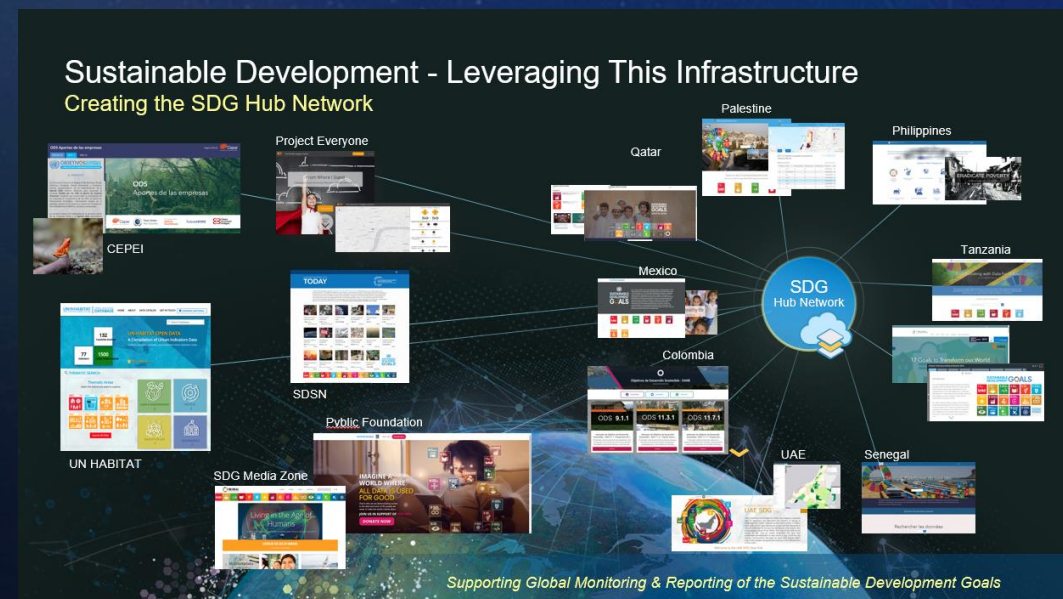
- ArcGIS Solution for SDGs launched on 15 Nov 2022
- Builds off earlier collaboration with UN and members states on the “Federated Information System for the SDGs” (FIS4SDGs) Research Exercise Guided by the SDG Data Alliance
- Supports:
 - Global Development Agencies
 - Governments
 - International Organizations
 - Nonprofits and NGOs
 - Academia
 - Private Sector





Esri's SDG Approach - Partnership Driven

- Multistakeholder Partnerships
 - SDG Data Alliance
 - Academic Partners - SDSN, University of Minnesota, Other Esri University Partners
- Nonprofit Organizations and NGOs
 - Sustainable Development Solutions Network (SDSN)
 - Local2030 Islands Network
- Development Agencies
 - United Nations
 - Development Banks
- Private Sector

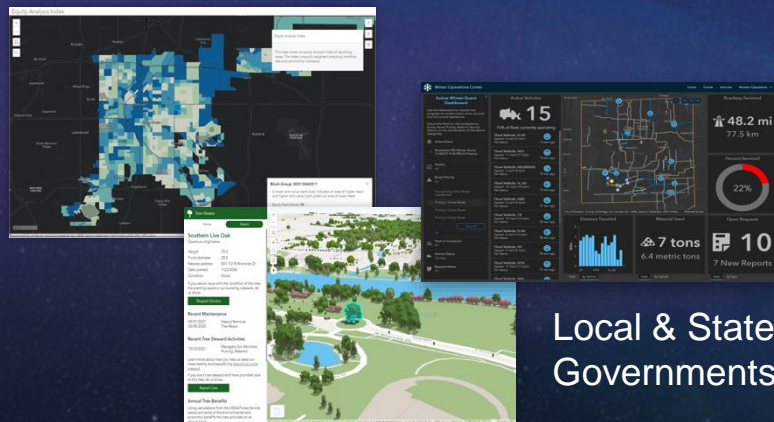




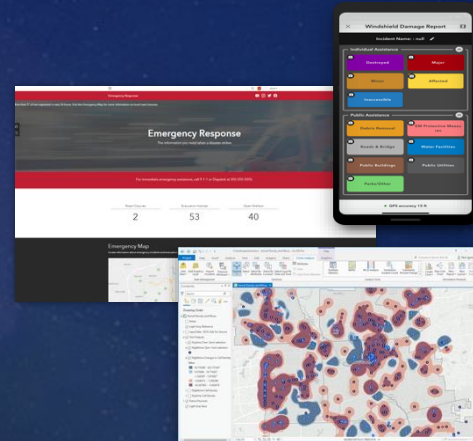
ArcGIS Solutions Ready-to-Use Applications and Configurations

Preconfigured

- Data Models
- Tools
- Apps
- Workflows
- Maps
- Initiatives
- Add-Ins
- Dashboards



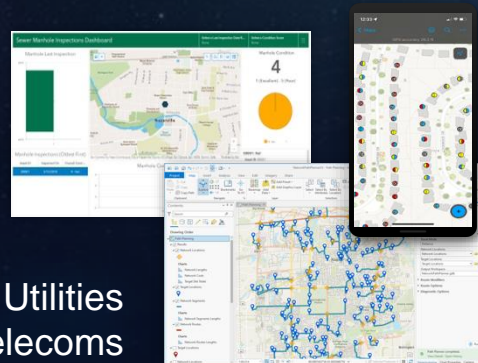
Local & State Governments



Emergency Management & Public Safety



Health & Human Services



Utilities & Telecoms



Defense & Security

Industries

- Land Records
- Planning and Development
- Public Works
- Emergency Management
- Utilities / Network Management
- Elections
- Natural Resources
- Conservation
- Transportation
- Defense
- Public Safety
- Telecommunications
- Health & Human Services

- Extensive (150+)
- Easy to Deploy
- Fully Supported
- ... Included as Part of ArcGIS

... Helping Organizations Quickly Realize Value



ArcGIS Solution for SDGs

KEY COMPONENTS

- Integrates Goal, Target, & Indicator ontology
- Thematic mapping preview
- SDG Indicator monitoring dashboard
- Community Engagement survey

RELATED APPLICATIONS

- VNR StoryMap
- Scorecard-style dashboard
- Indicator-level status reporting

The screenshot displays a web interface for tracking the 'No Poverty' indicator. The main heading is 'What We Are Tracking' with a sub-instruction: 'Select an indicator below to explore progress we are making on this Sustainable Development Goal.' The interface is divided into several sections:

- Indicator:** 1.1.1: Proportion of the population living below the international poverty line by sex, age, employment status and geographic location (urban/rural)
- Category:** Percent by Age
- Subcategory:** 18 to 64 years
- Geography:** A search bar and a list of states including United States, Alabama, Alaska, Arizona, Arkansas, California, Colorado, Connecticut, Delaware, and District of Columbia.
- Target 1.1:** By 2030, eradicate extreme poverty for all people everywhere, currently measured as people living on less than \$1.25 a day.
- Text:** In the United States, the proportion of population below the international poverty line of \$1.90 is extremely low (less than 1% of the total population). We report a proxy indicator to measure extreme poverty (proportion of population earning less than 50% of the poverty level). The poverty level is set by the Federal Government each year in accordance to household size. For context, the 2020 poverty level is \$12,880.
- Table:** A table showing data from 2012 to 2019 for the '18 to 64 years' subcategory. The values range from 7 in 2019 to 13.4 in 2012.
- Visuals:** A map of the United States on the right side, and a vertical slider on the far right for selecting a time period (e.g., 1 year, 5 years, 10 years).
- Footer:** 'Powered by Esri' and navigation options for 'Chart', 'Map', and 'Table'.

View the Solution on the [ArcGIS Solutions Gallery](#)



Sustainable Development Goals

Focused Maps and Apps



Solution Requirements

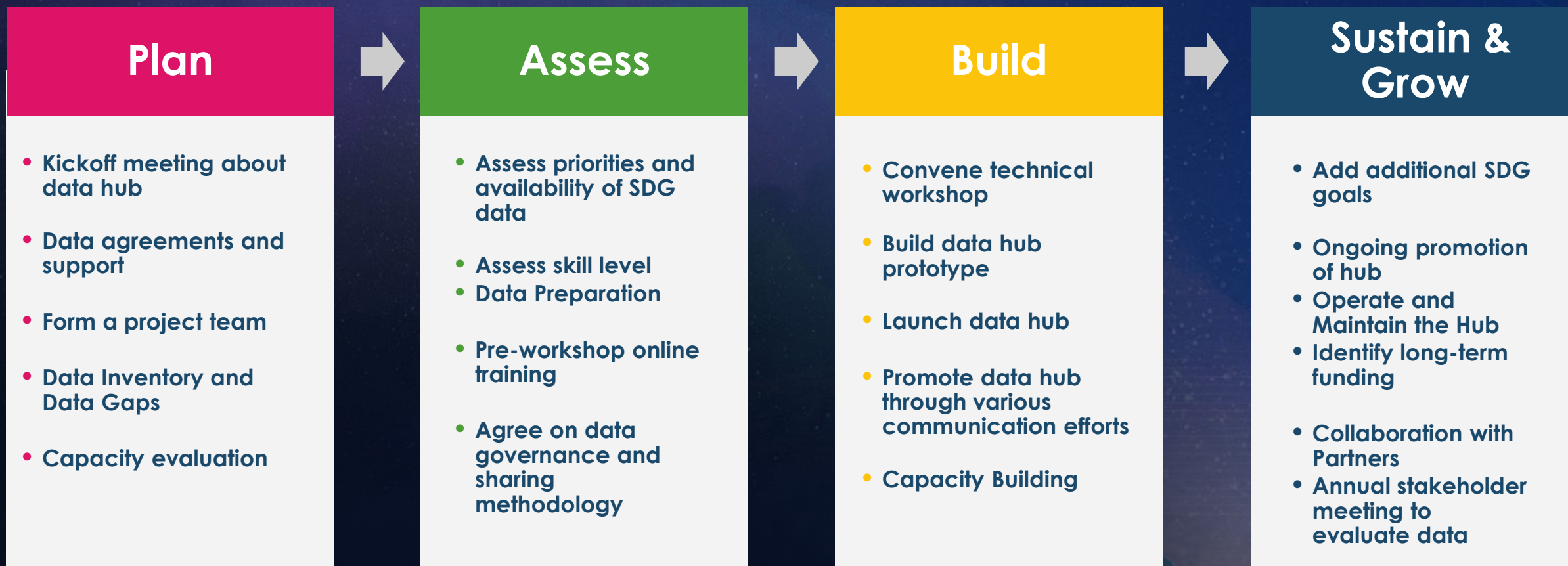
- ArcGIS Software requirement: **1 ArcGIS Online Creator named user**
- Basic knowledge of ArcGIS Online
- Basic knowledge of Microsoft Excel
- Basic knowledge of SDGs or related KPI frameworks

Learn more at...

<https://doc.arcgis.com/en/arcgis-solutions/latest/reference/introduction-to-sustainable-development-goals.htm>



SDG Data Hub Implementation Process





Current State



The image shows a composite of three screenshots related to Esri's Sustainable Development Goals (SDG) solutions. The top screenshot is the 'Sustainable Development Goals' landing page, featuring a video player and 'Deploy now' and 'Share' buttons. The middle screenshot is the 'Digital Voluntary SDG Review' interface, displaying a colorful SDG wheel and a map of the United States. The bottom screenshot is the 'Feature Service to SDG Solution' configuration tool, showing a map of the United States and a data table for 'SDG Indicator Data HEALTH_RNK - 2024_01_10_145123'.

Indicator	geoid	value	year	category	subcategory
1	HEALTH_RNK_01001	9	2023	HEALTH	RANK
2	HEALTH_RNK_01001	3	2023	HEALTH	RANK
3	HEALTH_RNK_01003	62	2023	HEALTH	RANK
4	HEALTH_RNK_01005	51	2023	HEALTH	RANK
5	HEALTH_RNK_01007	18	2023	HEALTH	RANK
6	HEALTH_RNK_01009	63	2023	HEALTH	RANK
7	HEALTH_RNK_01011	56	2023	HEALTH	RANK
8	HEALTH_RNK_01013	22	2023	HEALTH	RANK
9	HEALTH_RNK_01015	37	2023	HEALTH	RANK
10	HEALTH_RNK_01017	35	2023	HEALTH	RANK
11	HEALTH_RNK_01019				

- Solution for the Sustainable Development Goals
 - An ArcGIS Solution supported in Online & Enterprise
 - Bring your own data & geography
- Voluntary Local/National Review (VL/NR) StoryMap Template
 - Get up and running with a StoryMap template to present on your progress on the SDGs
- Feature Service to SDG Schema Web App
 - Convert any feature service in ArcGIS to the required schema for the SDG Solution
 - Fast Data ETL from any feature service



Feature Layer to SDG Solution

The screenshot displays the 'Browse Feature Layers' interface. At the top, there is a search bar with the text 'India production'. Below the search bar, a list of feature layers is shown. The first layer is 'India: Fruit Production (2019-20)', which is highlighted. The left sidebar provides details for this layer, including a summary, status (Living Atlas and Subscriber), owner (Esri India), sharing settings (Everyone (public)), and item update date (Oct 22, 2021). The main list shows several other layers, including 'India: Growth of Net State Domestic Product At Current Prices (2012-21)', 'India: Fruit Production (2019-20)', 'India: Production of Major Minerals Specified under MCDR Act (2018-21)', and 'India: Major Crops Production (2011-21)'. Each layer entry includes the Esri India logo, a 'Feature Layer' icon, the last edited date, and buttons for 'Living Atlas' and 'Subscriber'. A 'Close' button is located at the bottom right of the interface.

Convert any feature service to the required schema for the SDG Solution



Feature Layer to SDG Solution

Feature Service to SDG Solution
Export data from a feature service to drop into your SDG Solution

Report an Issue Adam Pfister
apfister_sdg

Select Layer
If your layer has multiple sublayers, select one

India: Fruit Production (2019-20) - Fruit Production 2019-20

SDG Indicator Code
Enter in your SDG Indicator Code

2.1.1

Map Attribute Fields
Select the fields in your feature service to the required SDG Solution schema fields

Field	Value
geo.id field	objectid (objectid)
value field	State (state)
Additional Pre-processed fields	Country (country)
Category	Item (item)
Subcategory	Fruit Cultivation Area (Ha) (area_ha)
Year	Production (MT) (production_mt)
Additional Select	shape (shape)
	indiadata.sde.IN_ST_FruitProduction_2019_20.area (indiadata.sde.IN_ST_FruitProduction_2019_20.area)

Cancel

India: Fruit Production (2019-20) - Fruit Production 2019-20:

Country	India
Fruit Cultivation Area (Ha)	385.69
indiadata.sde.IN_ST_FruitProduction_2019_20.area	308,255.29
Item	Fruits
Production (MT)	7,916.39
State	Madhya Pradesh

Convert any feature service to the required schema for the SDG Solution



Feature Layer to SDG Solution

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Export data from a feature service to drop into your SDG Solution

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apfister_sdg

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India: Fruit Production (2019-20) - Fruit Production 2019-20

SDG Indicator Code
Enter in your SDG Indicator Code

2.1.1

Map Attribute Fields
Select the fields in your feature service to the required SDG Solution schema fields

Replace field

geo.id	objectId (objectId)
	State (state)
Add Pre-processed fields	Country (country)
	Item (item)
Category	Fruit Cultivation Area (Ha) (area_ha)
Subcategory	Production (MT) (production_mt)
Year	shape (shape)
Add A Select	indiadata.sde.IN_ST_FruitProduction_2019_20.area (indiadata.sde.IN_ST_FruitProduction_2019_20.area)

Cancel

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Convert any feature service to the required schema for the SDG Solution



Feature Layer to SDG Solution

Feature Service to SDG Solution
Export data from a feature service to drop into your SDG Solution

Report an Issue Adam Pfister
apfister_sdg

Select Layer
If your layer has multiple sublayers, select one

India: Fruit Production (2019-20) - Fruit Production 2019-20

SDG Indicator Code
Enter in your SDG Indicator Code

2.1.1

Map Attribute Fields
Select the fields in your feature service to the required SDG Solution schema fields

Click to set geoid

geoid field set to State

Click to set value

value field set to Production (MT)

Additional SDG Solution Values
Pre-populate SDG Solution Schema values for certain fields

Category: Fruits

Subcategory: All

Year: 2020

Add Additional Attribute Fields
Select any additional fields to include in the export

Export Preview (Total: 36 | Selection: 0)

indicator	geoid	value	year	category
2.1.1	Kerala	1,731.44	2020	Fruits
2.1.1	Goa		2020	Fruits
2.1.1	Mizoram	344.91	2020	Fruits
2.1.1	Odisha	1,917.07	2020	Fruits
2.1.1	Karnataka	7,055.4	2020	Fruits
2.1.1	Sikkim	55.45	2020	Fruits
2.1.1	West Bengal	3,614.14	2020	Fruits
2.1.1	Nagaland	315.05	2020	Fruits
2.1.1	Meghalaya	393.51	2020	Fruits
2.1.1	Arunachal Pradesh	125.84	2020	Fruits
2.1.1	Tamil Nadu	5,662.37	2020	Fruits
2.1.1	Jharkhand	1,148.11	2020	Fruits
2.1.1	Assam	2,562.3	2020	Fruits

India: Fruit Production (2019-20) - Fruit Production 2019-20:

Country	India
Fruit Cultivation Area (Ha)	385.69
indiadata.sde.IN_ST_FruitProduction_2019_20.area	308,255.29
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Feature Layer to SDG Solution

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apfister_sdg

India: Fruit Production (2019-20) - Fruit Production 2019-20

indicator	geoid	value	year	category	subcategory
2.1.1	Kerala	1731.44	2020	Fruits	All
2.1.1	Goa		2020	Fruits	All
2.1.1	Mizoram	344.91	2020	Fruits	All
2.1.1	Odisha	1917.07	2020	Fruits	All
2.1.1	Karnataka	7055.4	2020	Fruits	All
2.1.1	Sikkim	55.45	2020	Fruits	All
2.1.1	West Bengal	3614.14	2020	Fruits	All
2.1.1	Nagaland	315.05	2020	Fruits	All
2.1.1	Meghalaya	393.51	2020	Fruits	All
2.1.1	Arunachal Pradesh	125.84	2020	Fruits	All
2.1.1	Tamil Nadu	5662.37	2020	Fruits	All
2.1.1	Jharkhand	1148.11	2020	Fruits	All
2.1.1	Assam	2562.3	2020	Fruits	All
2.1.1	Tripura	527.46	2020	Fruits	All
2.1.1	Manipur	527.97	2020	Fruits	All
2.1.1	Chhattisgarh	2480.64	2020	Fruits	All
2.1.1	Gujarat	9253.75	2020	Fruits	All
2.1.1	Bihar	4256.21	2020	Fruits	All
2.1.1	Punjab	2106.12	2020	Fruits	All
2.1.1	Haryana	1197.97	2020	Fruits	All
2.1.1	Uttar Pradesh	10952.73	2020	Fruits	All
2.1.1	Ladakh		2020	Fruits	All
2.1.1	Jammu And Kashmir	2541.16	2020	Fruits	All
2.1.1	Rajasthan	1004.6	2020	Fruits	All
2.1.1	Delhi		2020	Fruits	All
2.1.1	Madhya Pradesh	7916.39	2020	Fruits	All

Export Preview (Total: 36 | Selection: 0)

indicator	geoid	value	year	category
2.1.1	Kerala	1,731.44	2020	Fruits
2.1.1	Goa		2020	Fruits
2.1.1	Mizoram	344.91	2020	Fruits
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2.1.1	Karnataka	7,055.4	2020	Fruits
2.1.1	Sikkim	55.45	2020	Fruits
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2.1.1	Assam	2,562.3	2020	Fruits

India: Fruit Production (2019-20) - Fruit Production 2019-20

Country	India
Fruit Cultivation Area (Ha)	385.69
inddata.sdg.IN.ST.Fr.usdproduction_2019_20.area	308,255.29
Item	Fruits
Production (MT)	7,916.39
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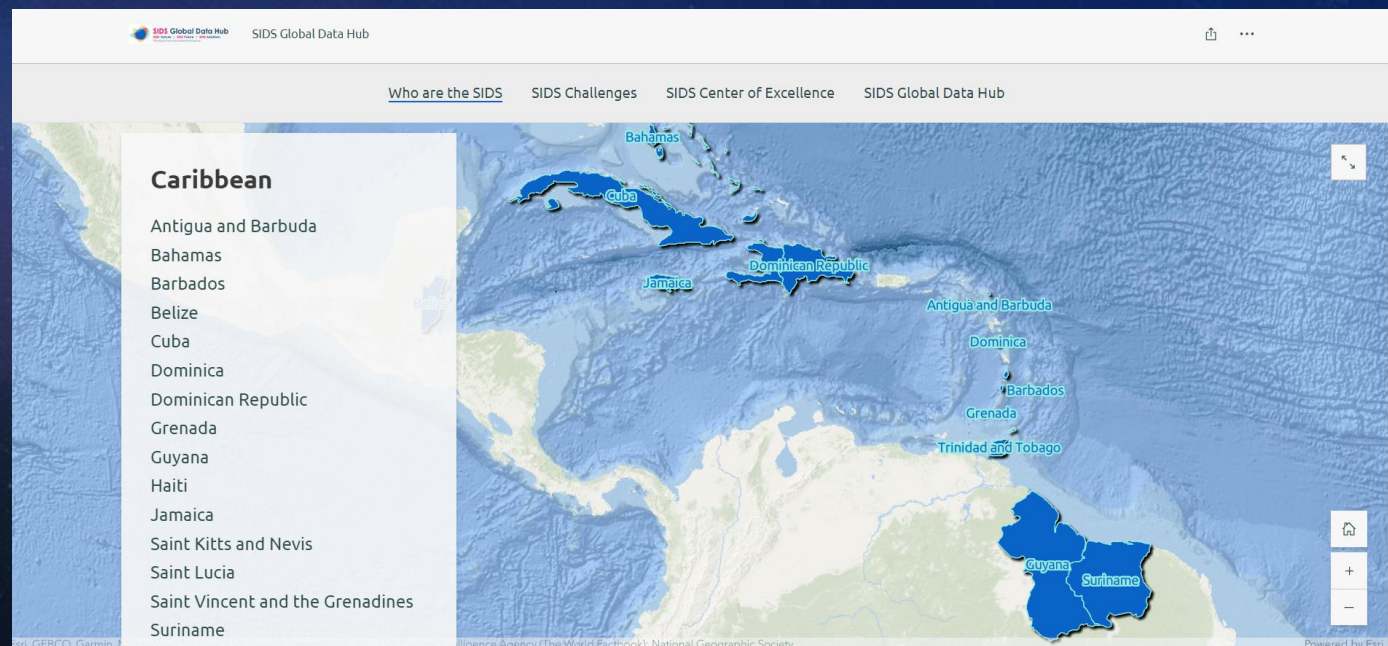
Convert any feature service to the required schema for the SDG Solution



Looking ahead

Looking Ahead

- Map Portfolio Application
 - Executive Briefing Application
 - Solutions for Development Planning and Decision-Making
- Dynamic Mapping Visualization Web app
 - Easily configured to work with the SDG Solution schema
 - Immediate visualization of indicators, categories, and subcategories
 - Open Source & minimal setup as a target
- USAID DHS to SDG Data Schema ETL
 - Similar to Feature Service to SDG Schema web app
- Calculating SDG Indicators
 - Making use of the large catalogs of data
- Open to ideas....

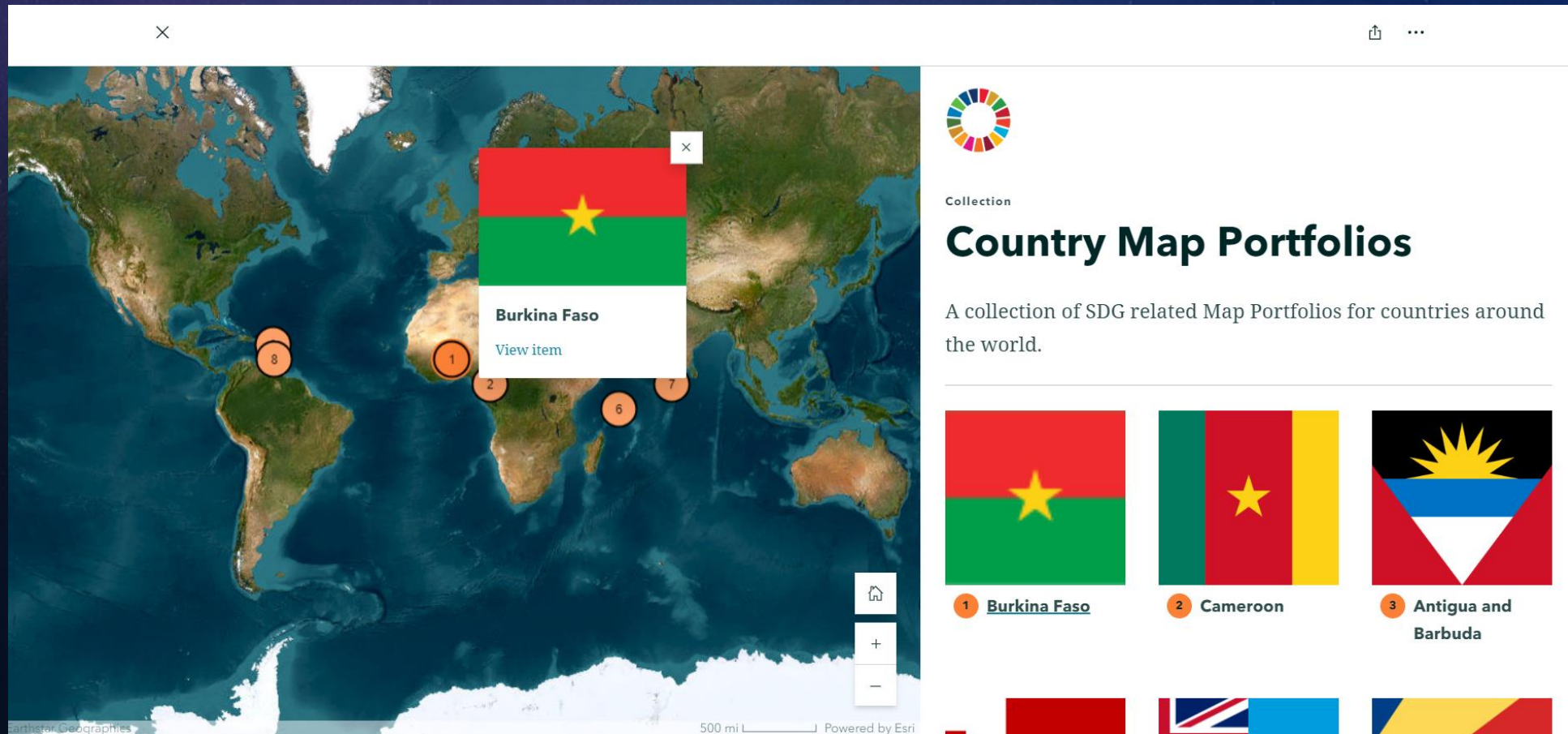


The
DHS Program
Demographic and Health Surveys



**ArcGIS StoryMaps
Briefings**

Map Portfolios – Extending to other data catalogs



The screenshot displays a web interface for "Country Map Portfolios". On the left, a world map shows several countries marked with numbered orange circles (1-8). A popup window for Burkina Faso is open, showing its flag and a "View item" link. On the right, the "Country Map Portfolios" collection is displayed, featuring a list of countries with their respective flags and names: 1. Burkina Faso, 2. Cameroon, and 3. Antigua and Barbuda. The interface includes a search bar at the top, a close button (X), and a share button. The map is powered by Esri and includes a 500-mile scale bar.

Collection

Country Map Portfolios

A collection of SDG related Map Portfolios for countries around the world.

- 1 **Burkina Faso**
- 2 **Cameroon**
- 3 **Antigua and Barbuda**

Powered by Esri

Map Portfolios – Extending to other data catalogs

The screenshot shows a web interface for 'Country Map Portfolios'. At the top, there is a navigation bar with a grid icon, the text 'Country Map Portfolios', a page indicator '01 / 08', and a share icon. Below the navigation bar, the main content area features a collection titled 'Burkina Faso Map Portfolio'. On the left, there is a Burkina Faso flag and a 'Get started' button. The main area displays six thematic maps arranged in a 2x3 grid, each with a numbered label: 1. Undernourished, 2. Population, 3. Protected Areas, 4. Biodiversity Intactness, 5. Livestock, and 6. Wildland-Urban Interface. A seventh map is partially visible at the bottom.

Country Map Portfolios 01 / 08

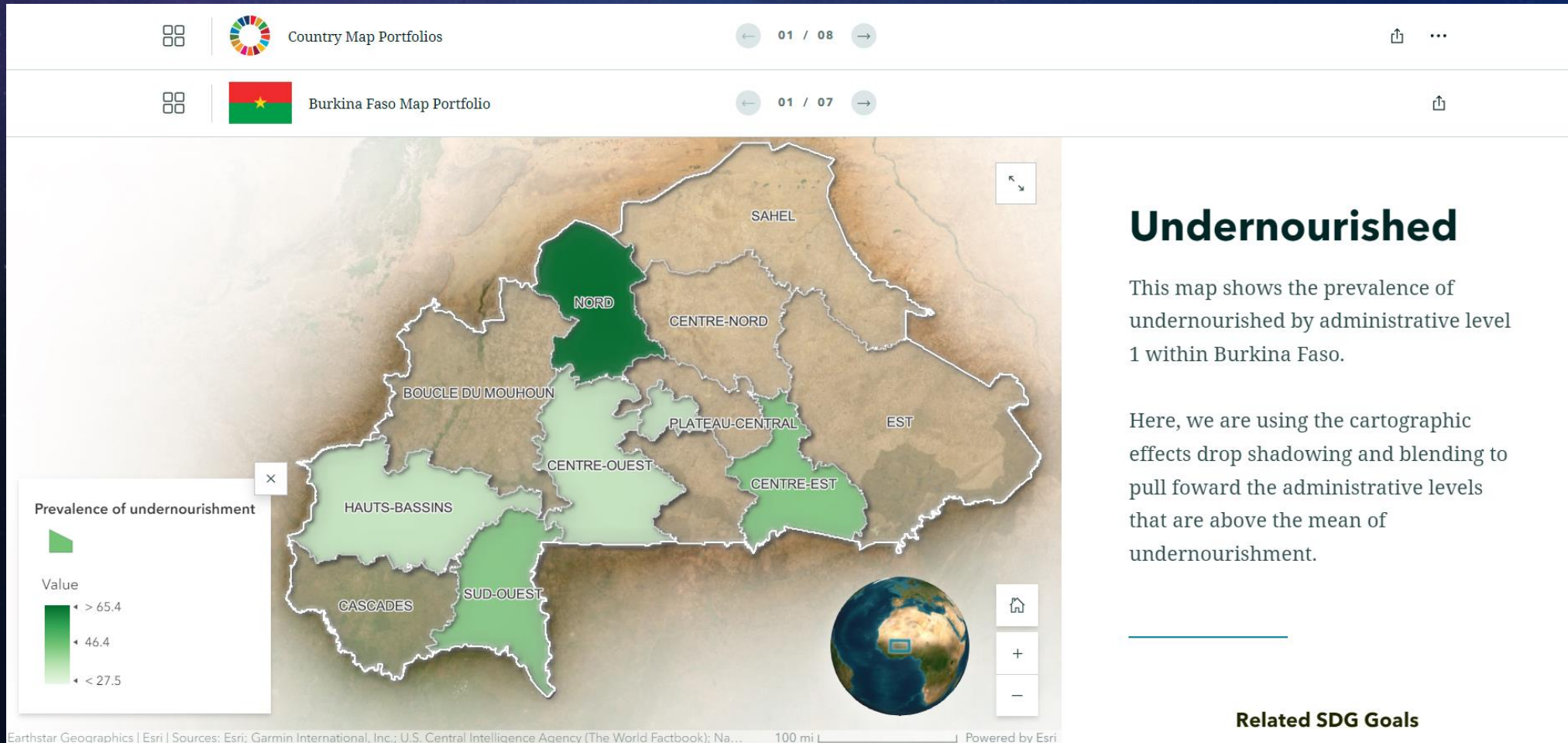
Collection

Burkina Faso Map Portfolio

[Get started](#)

- 1 Undernourished
- 2 Population
- 3 Protected Areas
- 4 Biodiversity Intactness
- 5 Livestock
- 6 Wildland-Urban Interface

Map Portfolios – Extending to other data catalogs



ArcGIS Solution for the SDGs

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