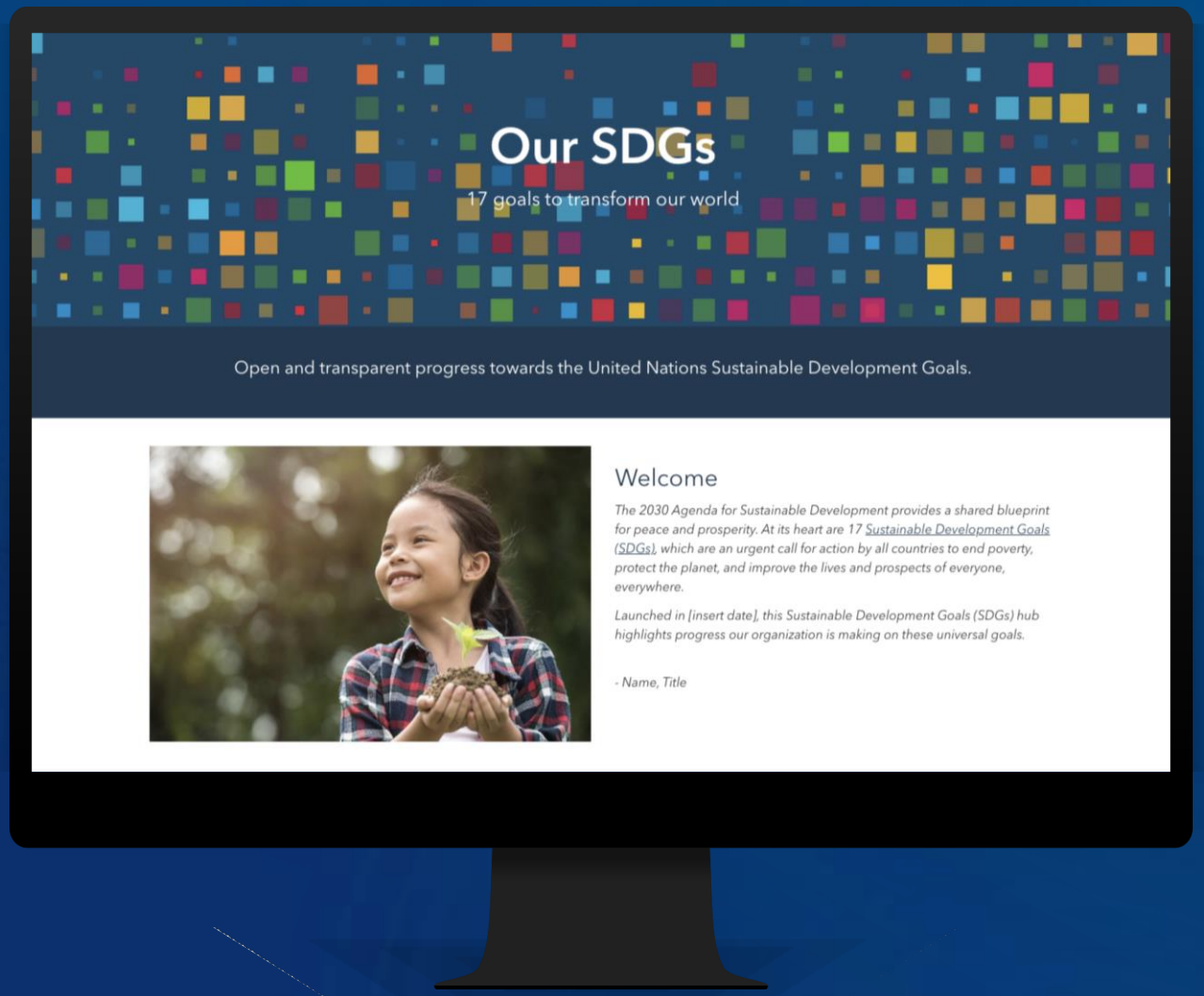


ArcGIS Solution for the SDGs

Supporting Esri's commitment to the SDGs

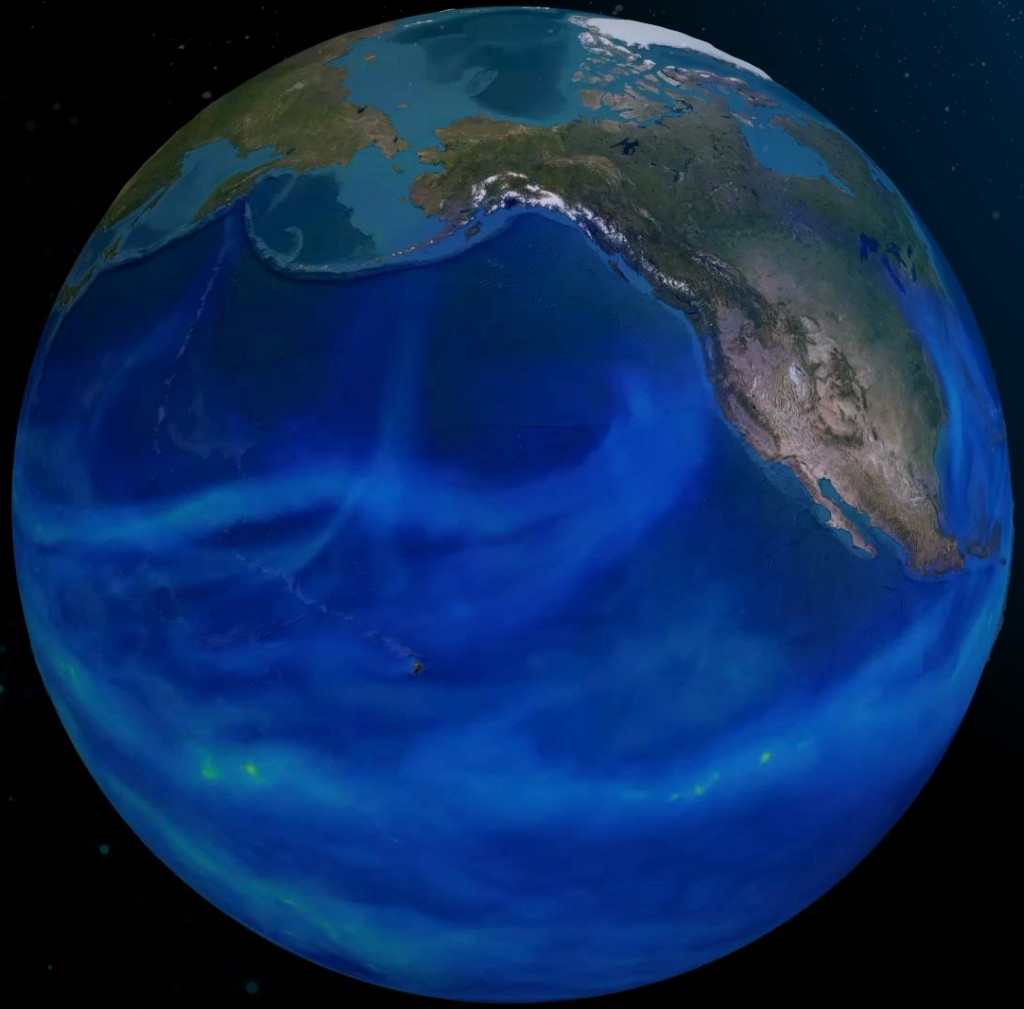
https://doc.arcgis.com/en/arcgis-solutions/latest/reference/introduction-to-sustainable-development-goals.htm

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

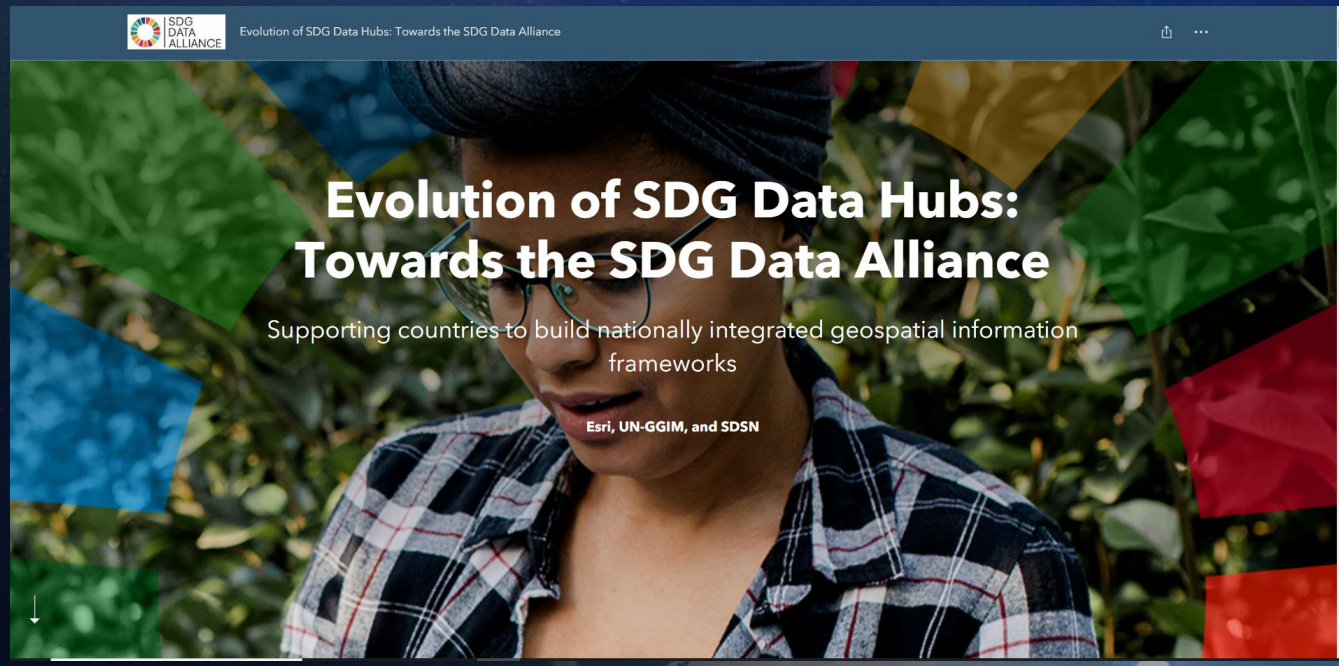
Stimulating a Sense of Wonder and Curiosity



Data Courtesy of European Space Agency

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



https://storymaps.arcgis.com/stories/343904dbfa014289943158b7e8fae5e8

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

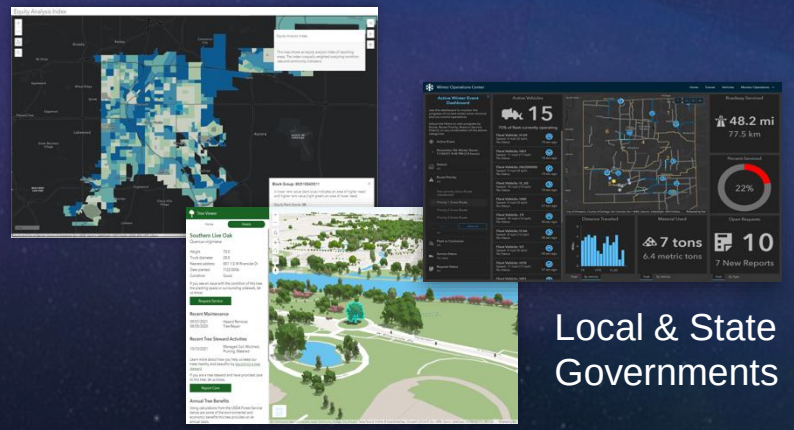
ArcGIS Solutions Ready-to-Use Applications and Configurations

Preconfigured

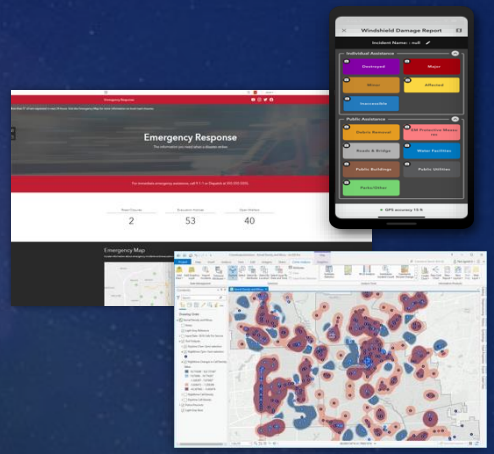
Data Models Tools
Apps Workflows
Maps
Initiatives Add-Ins
Dashboards

- Extensive (150+)
- Easy to Deploy
- Fully Supported

. . . Included as Part of ArcGIS

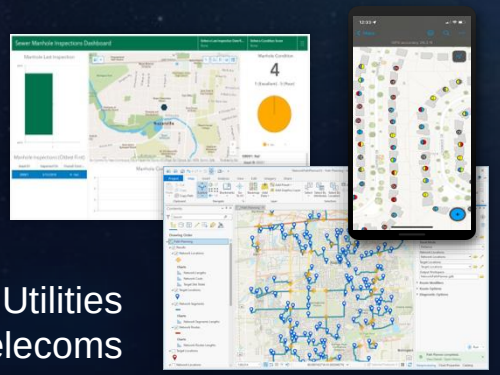


Local & State Governments



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

. . . Helping Organizations Quickly Realize Value

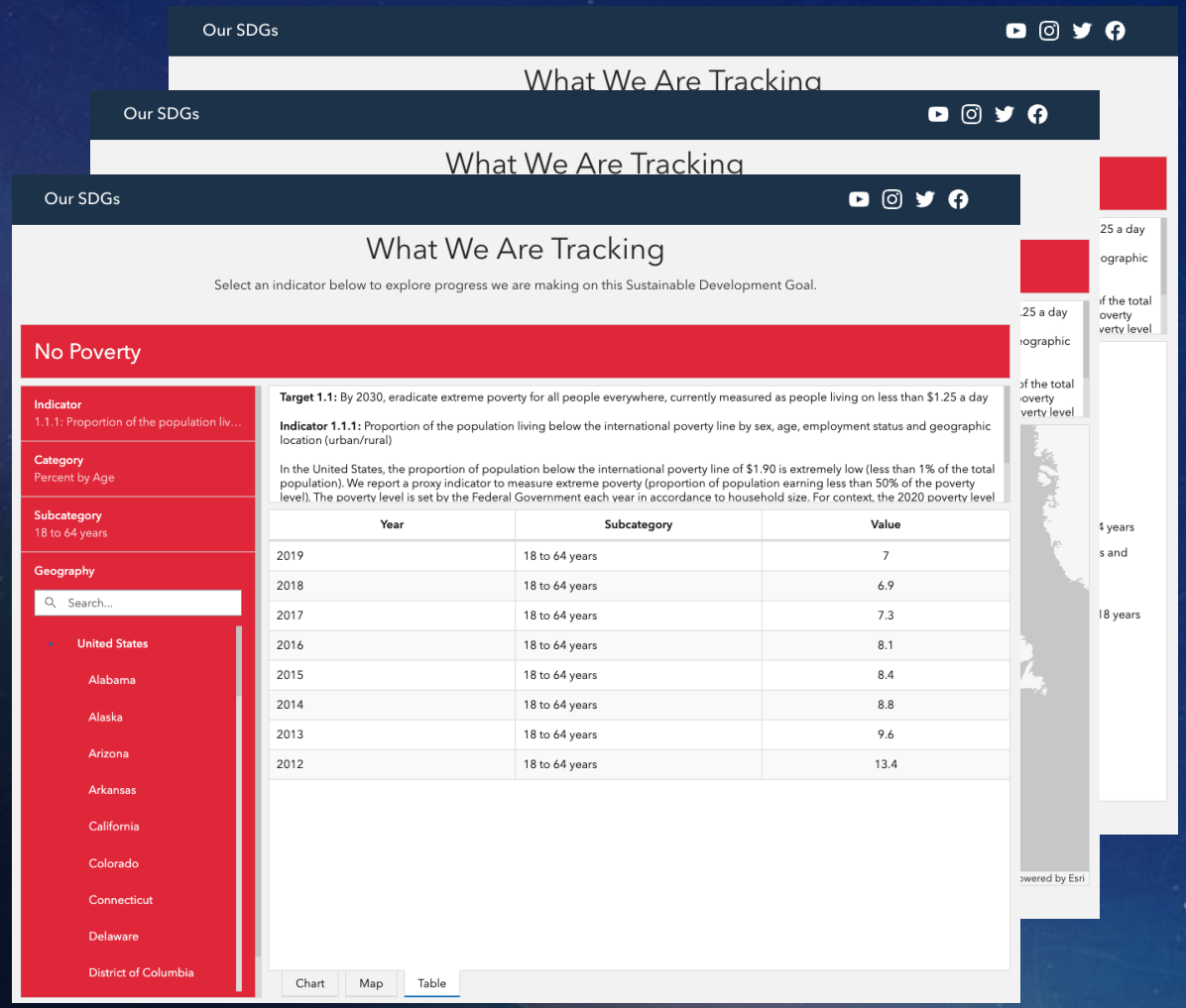
ArcGIS Solution for SDGs

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



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

Plan

- Kickoff meeting about data hub
- Data agreements and support
- Form a project team
- Data Inventory and Data Gaps
- Capacity evaluation

Assess

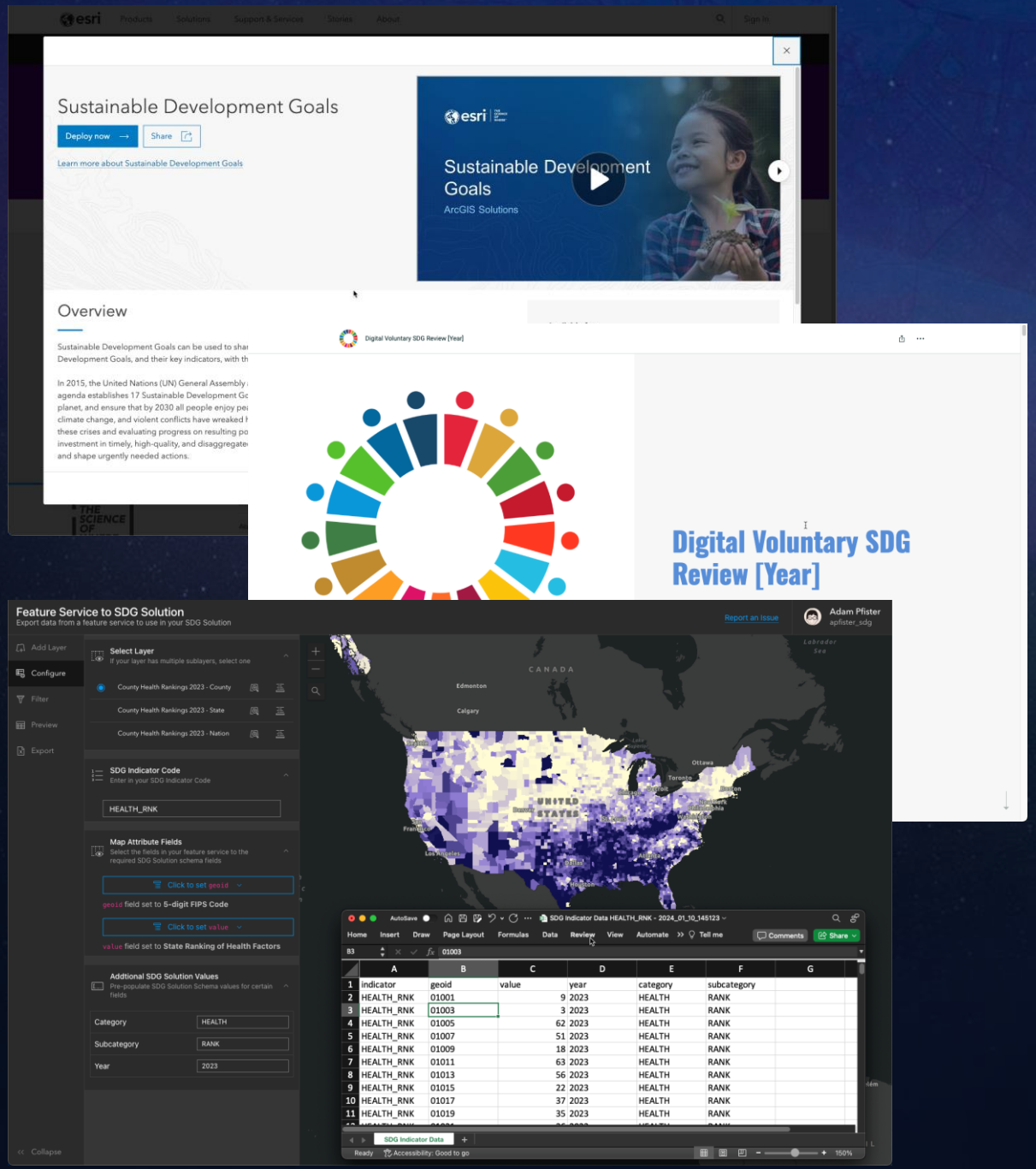
- Assess priorities and availability of SDG data
- Assess skill level
- Data Preparation
- Pre-workshop online training
- Agree on data governance and sharing methodology

Build

- Convene technical workshop
- Build data hub prototype
- Launch data hub
- Promote data hub through various communication efforts
- Capacity Building

Sustain & Grow

- Add additional SDG goals
- Ongoing promotion of hub
- Operate and Maintain the Hub
- Identify long-term funding
- Collaboration with Partners
- Annual stakeholder meeting to evaluate data

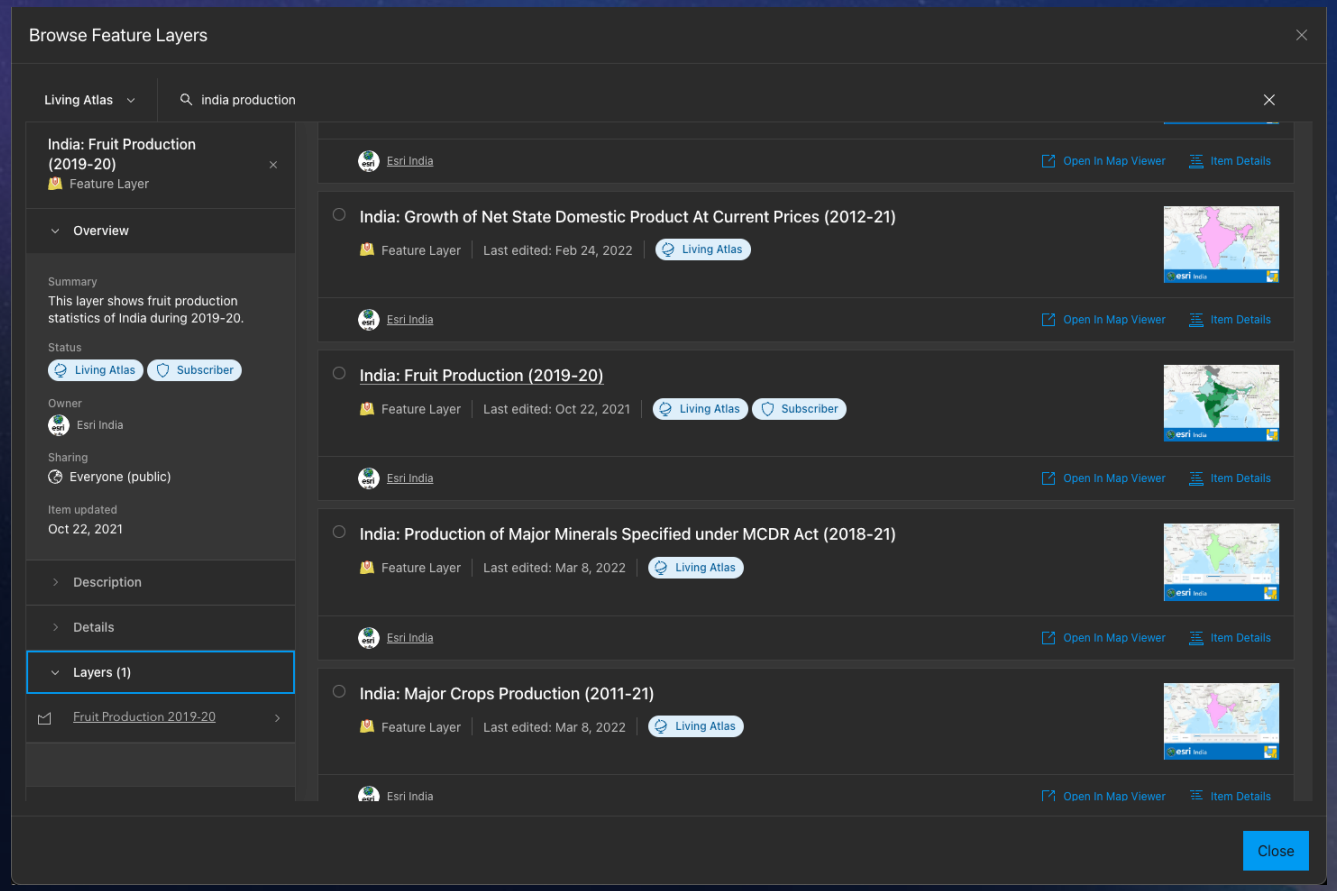


Current State

Current State

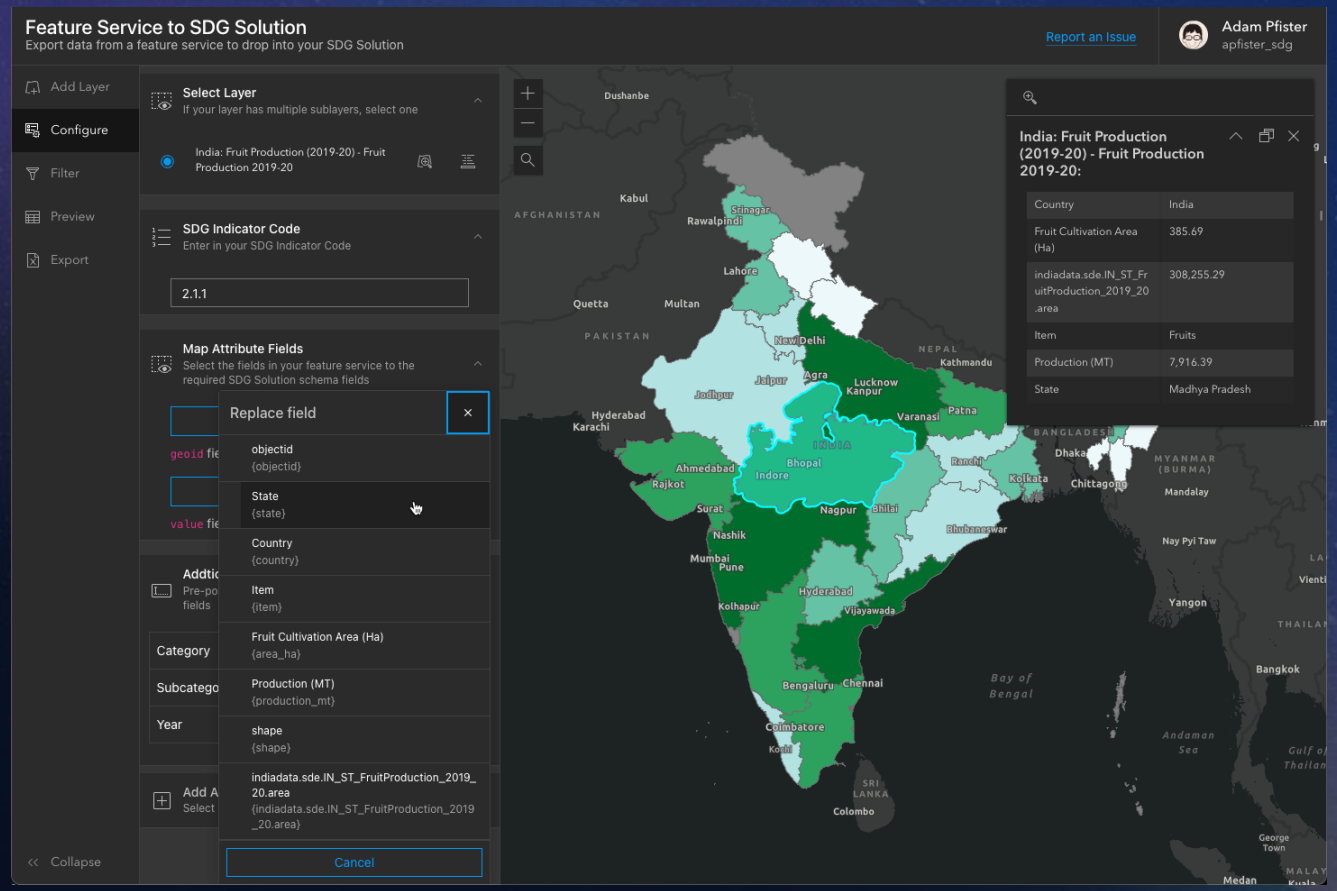
- Solution for the Sustainable Development Goals
  - An ArcGIS Solution supported in Online & Enterprise
  - Bring your own data & geography
- Voluntary Local/National Review (VL/NR) StoryMap Template
  - Get up and running with a StoryMap template to present on your progress on the SDGs
- Feature Service 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



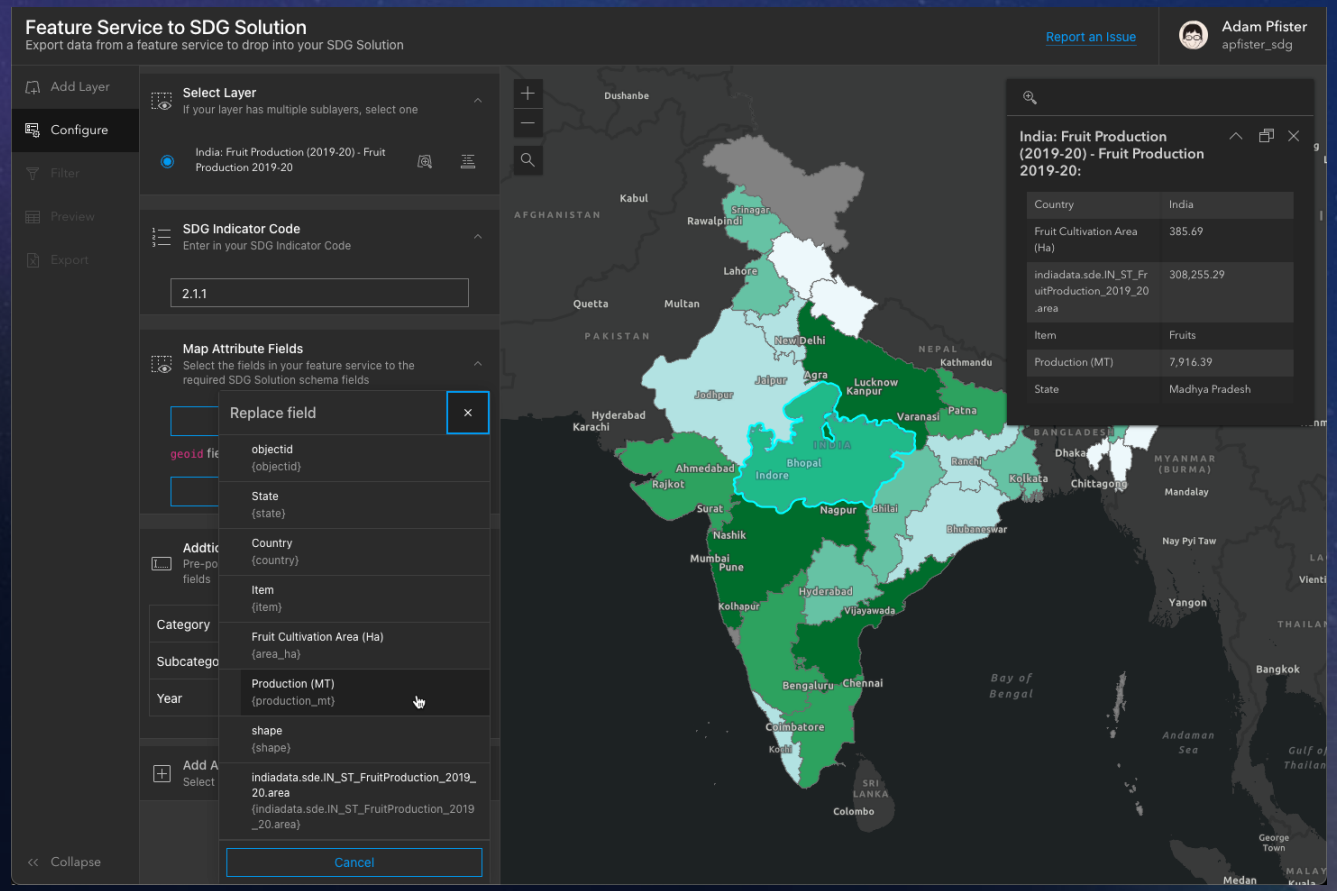
Convert any feature service to the required schema for the SDG Solution

Feature Layer to SDG Solution



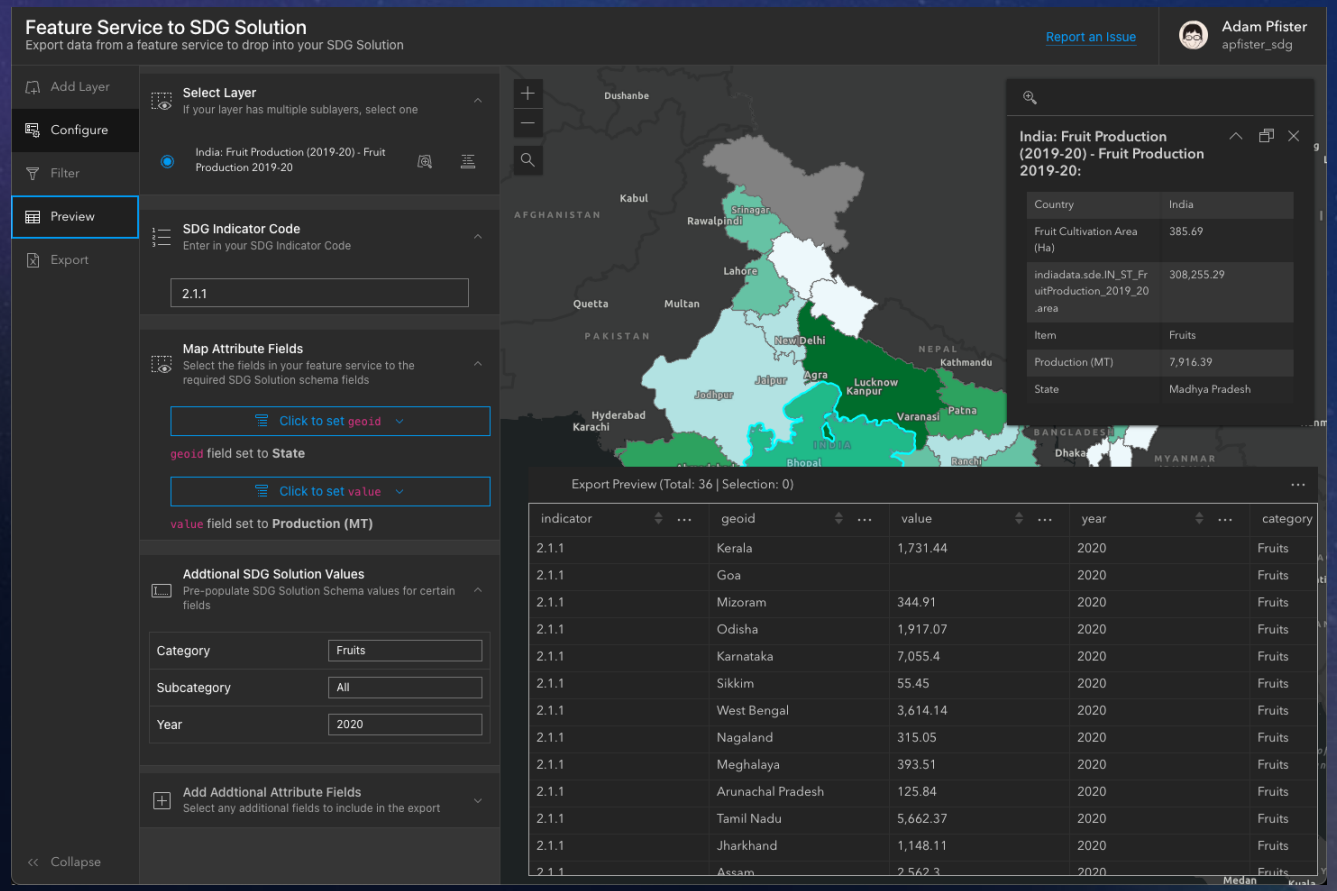
Convert any feature service to the required schema for the SDG Solution

Feature Layer to SDG Solution



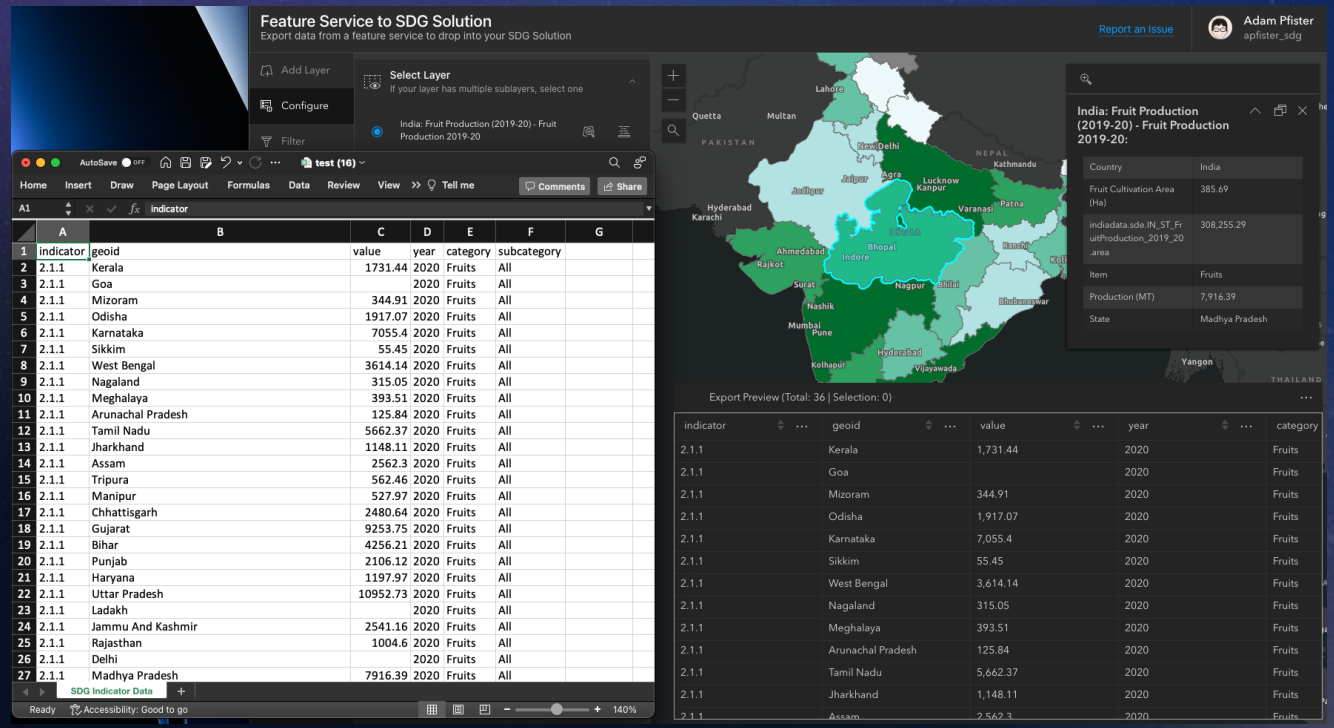
Convert any feature service to the required schema for the SDG Solution

Feature Layer to SDG Solution



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

Feature Layer to SDG Solution

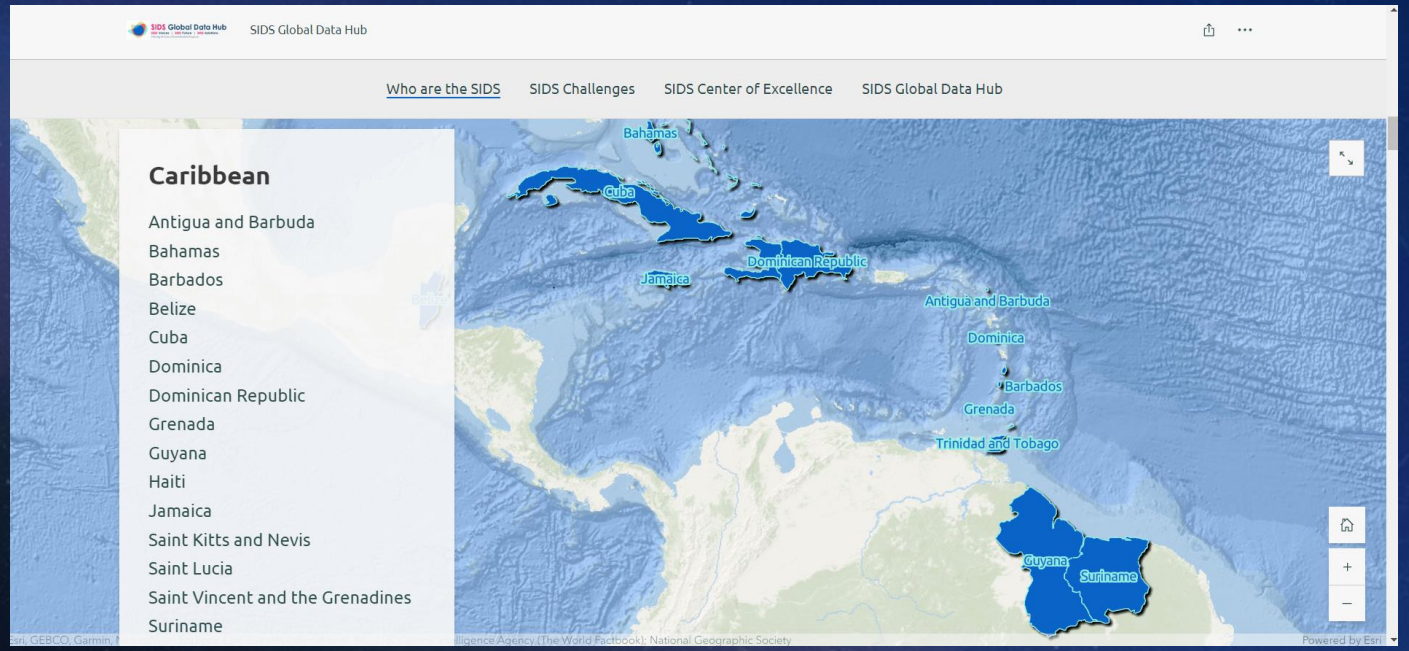


Convert any feature service to the required schema for the SDG Solution

Looking ahead

Looking Ahead

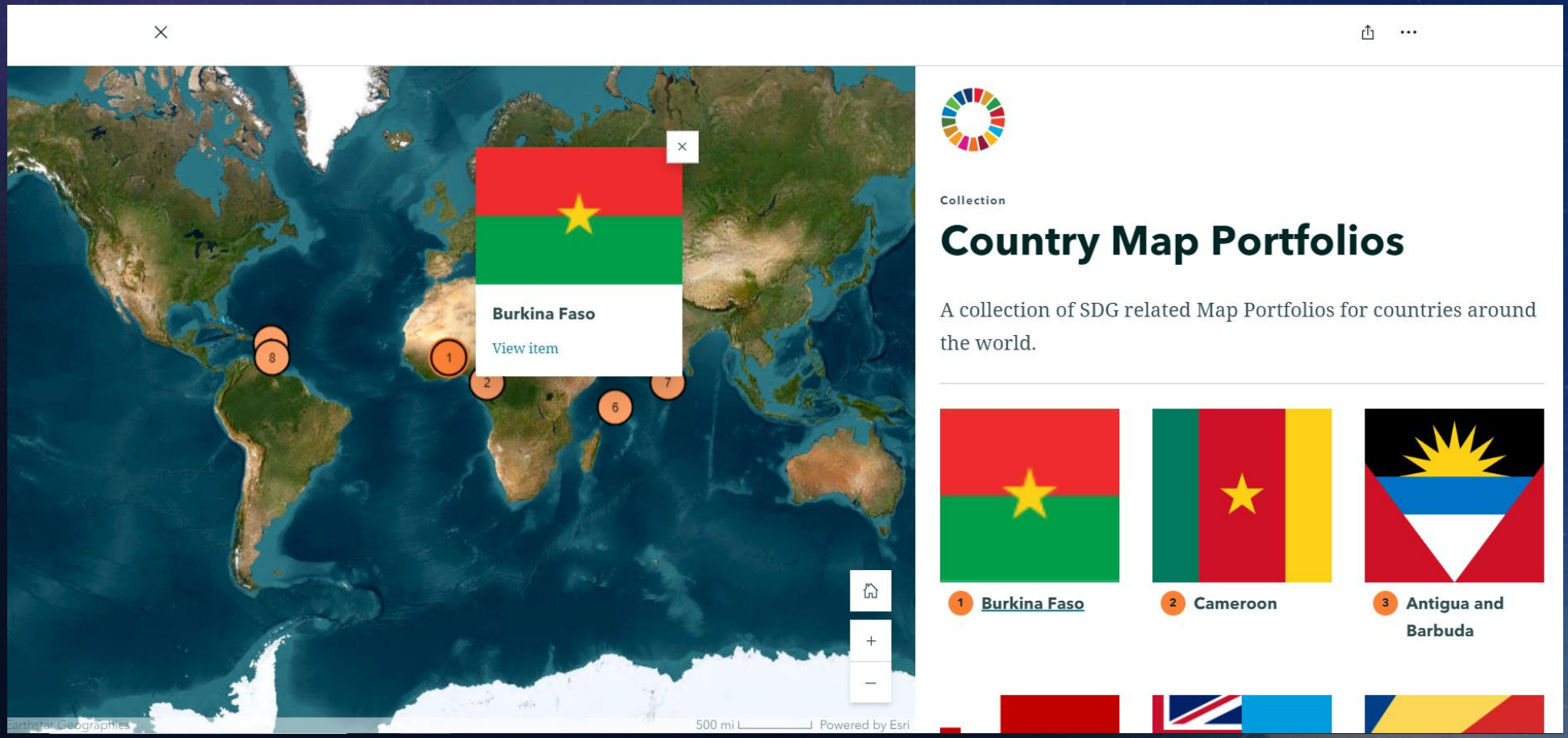
- Map Portfolio Application
  - Executive Briefing Application
  - Solutions for Development Planning and Decision-Making
- Dynamic Mapping Visualization Web app
  - Easily configured to work with the SDG Solution schema
  - Immediate visualization of indicators, categories, and subcategories
  - Open 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….



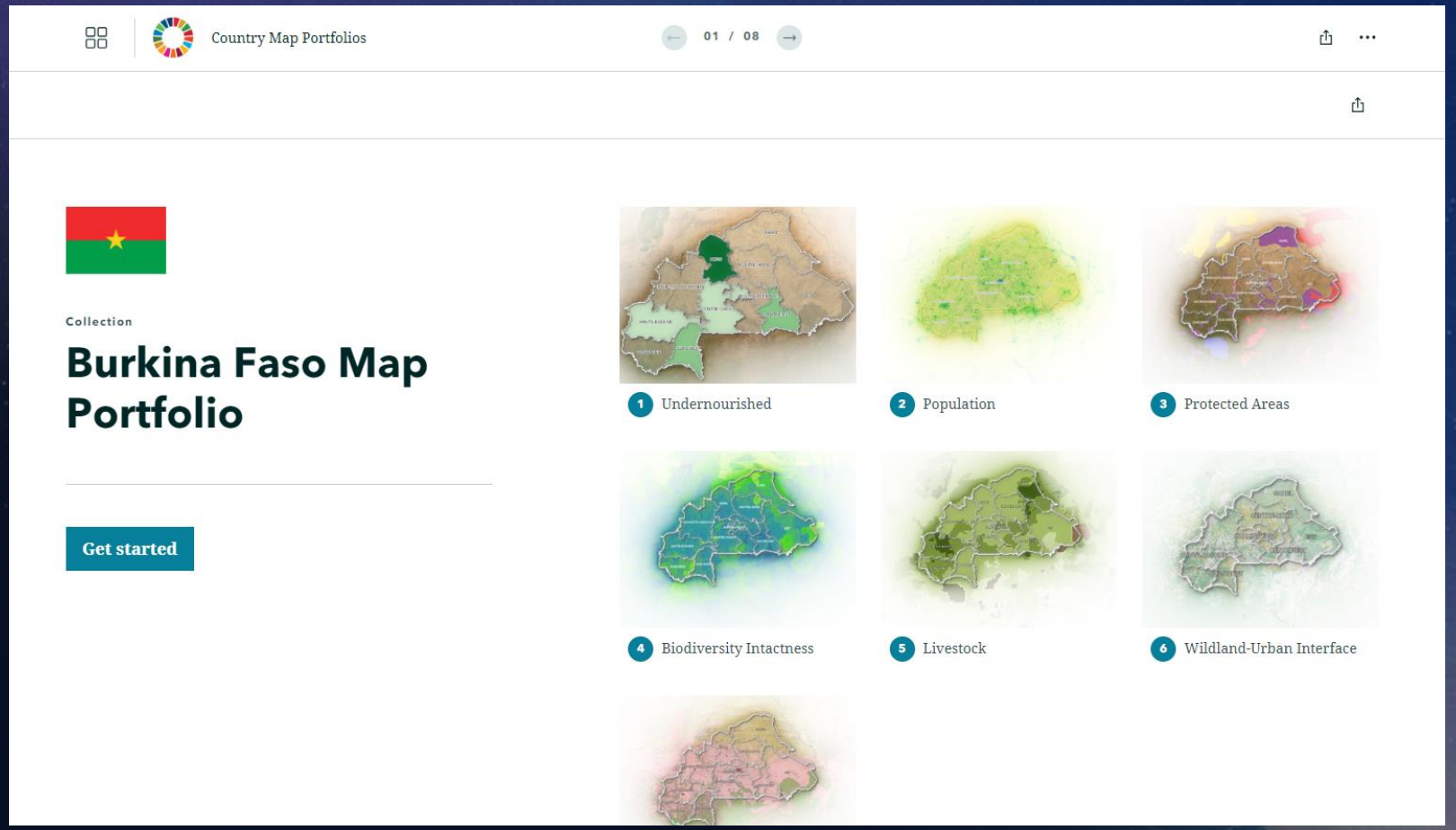
The DHS Program
Demographic and Health Surveys

ArcGIS StoryMaps
Briefings

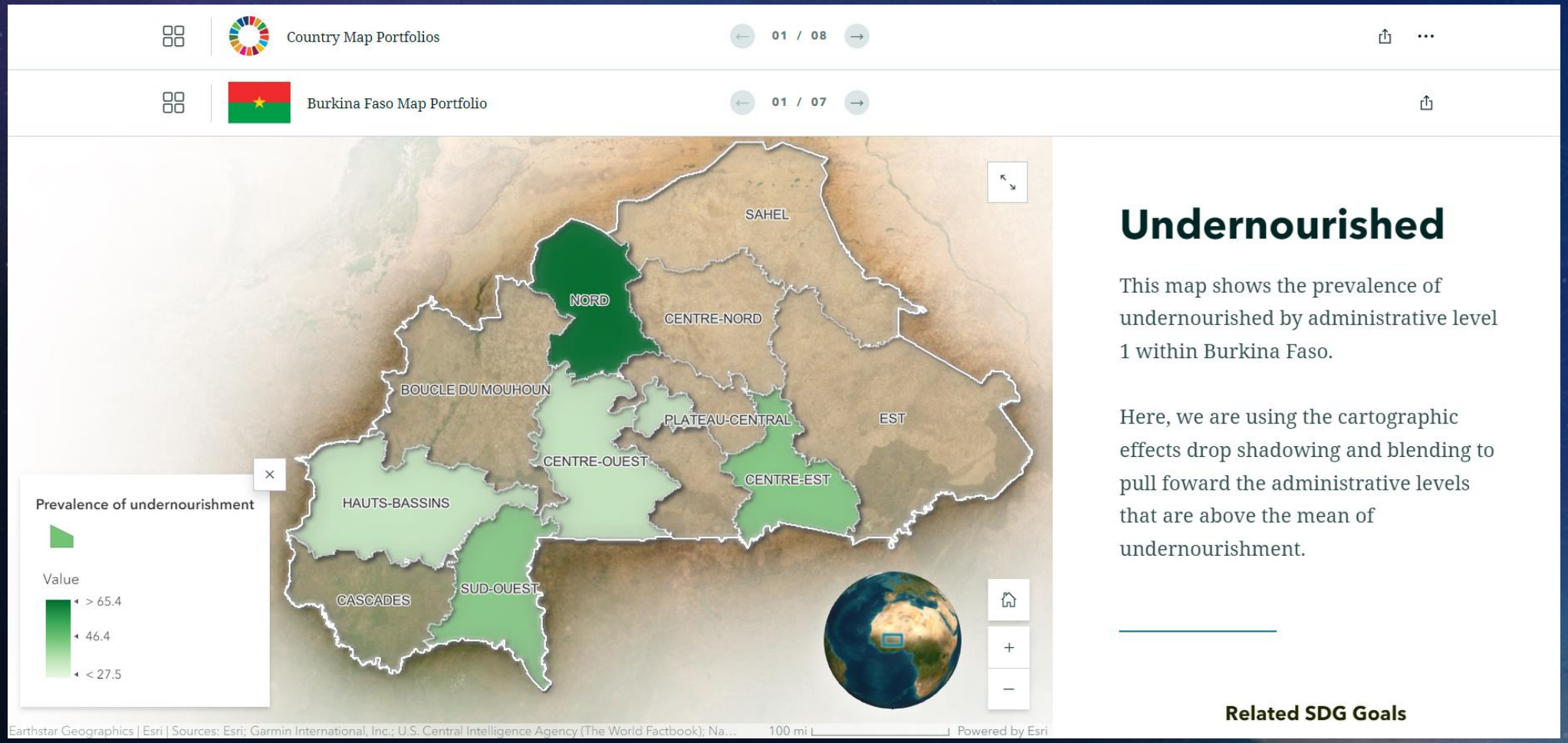
Map Portfolios – Extending to other data catalogs



Map Portfolios – Extending to other data catalogs



Map Portfolios – Extending to other data catalogs



Thank You!

ArcGIS Solution for the SDGs

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