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.
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
- Apps
- Maps
- Initiatives
- Dashboards
- Tools
- Workflows
- Add-Ins

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

Local & State Governments

Emergency Management & Public Safety

Health & Human Services

Utilities & Telecos

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
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…

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

- 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
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Looking ahead

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

Executive Briefing Application

Solutions for Development Planning and Decision-Making

Calculating SDG Indicators
- Making use of the large catalogs of data

Innovations…
ArcGIS Solution for the SDGs

Demonstration