ArcGIS Solution for the SDGs

Supporting Esri’s Commitment to the SDGs

Tim Fella, Team Lead
Geospatial Authorities
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) 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
Objectives and Outcomes

- **Leverage and strengthen** the in-country expertise from geospatial experts within and across governmental agencies and organizations leveraging the data hubs.

- **Address national and global reporting** requirements to report on the SDGs with specific focus on SDG 10.

- **Accelerate achievement of the SDGs** by accurately identifying areas for focus and investment.

https://ggim.un.org/IGIF/
Data Alliance Key Activities

- **Country-level action plans.** To improve national geospatial information management, an essential element of national digital infrastructures.

- **SDG Data Hubs.** To enable monitoring of achievement of the SDGs by goal, target, and indicator.
Esri Technology for SDG Data Alliance Countries

ArcGIS Software:
- ArcGIS Enterprise (1 Advanced + Server Roles)
- ArcGIS Online (5 Creator, 5 Viewer and 2 Insights named users, plus 10,000 ArcGIS Online Service Credits)
- ArcGIS Pro (2 Advanced Licenses + Extension Bundles)
- Duration: 3 years; maintenance at 85% discount until 2030


Workshop with Esri Professional Services: to implement the country’s SDG Data Hub
SDG Data Hubs Deployed & In-Process

- SDG Data Alliance Countries
  - Cameroon, South Africa, Mozambique, Senegal, Rwanda, Ghana, Philippines, Mongolia, Nepal, Indonesia, India, St. Lucia, Mexico, Brazil, Honduras, Guatemala, Chile, Morocco, Moldova, Fiji and Haiti
- UN and Global Development
  - UN Open SDG Data Hub
- Communities & Cities
  - Aguascalientes, MX
  - New Orleans, LA
  - Battle Creek, MI
  - Miami, FL
- State/Provincial & Local Governments
  - Michigan, Minnesota, Arizona, Washington, Guam, Micronesia, Florida, Hawaii
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

Program Analyst

SDG Activity Dashboard

Our SDGs Site

SDG Dashboards (Goals 1-17)

SDG Survey

External Stakeholders

Partner Agencies

Indicators
Reporting Areas

ArcGIS Online

SDG Reporting Status

SDG Activities
SDG Activity Dashboard
SDG Reporting Status
SDG Reporting

**No Poverty**

*Target 1.1*: By 2030, eradicate extreme poverty for all people everywhere, currently measured as people living on less than $1.90 a day

*Indicator 1.1.1*: Proportion of the population living below the international poverty line by sex, age, employment status and geographic location (urban/rural)

In the United States, the proportion of population below the international poverty line (less than $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).

**Source:** United States Census Bureau
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…