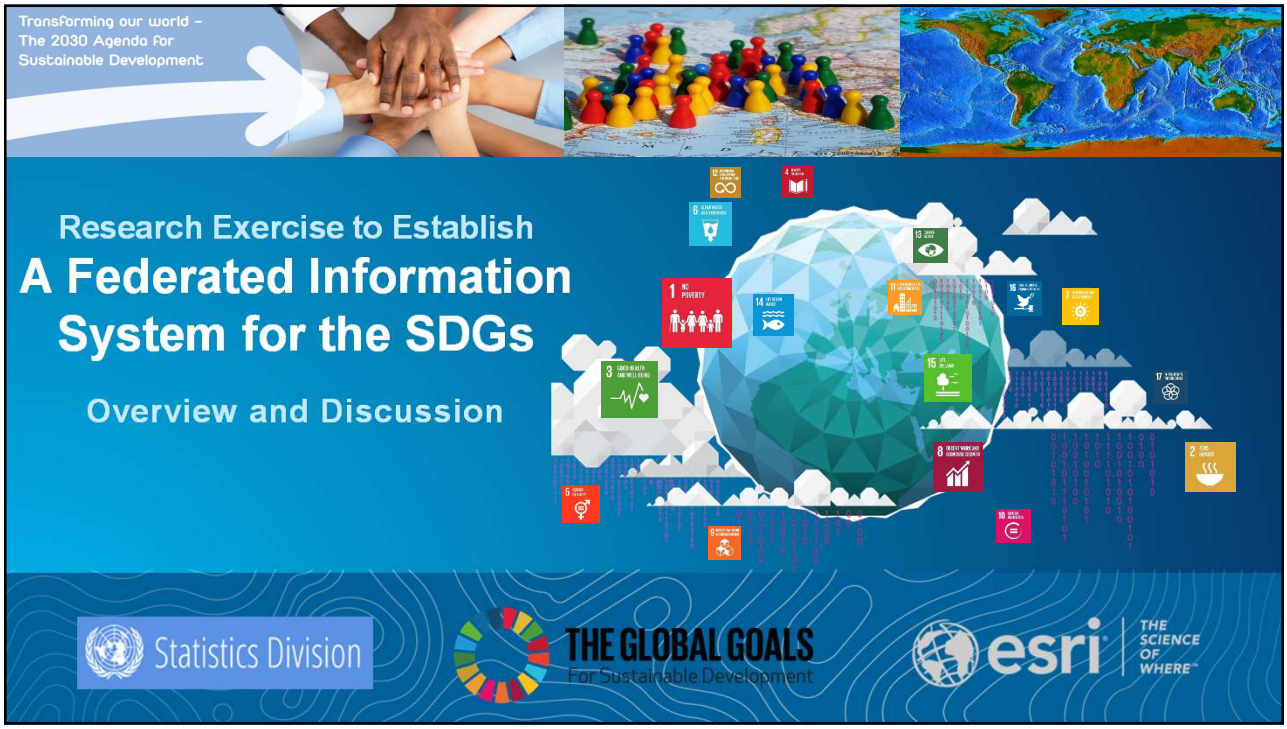

Transforming our world –
The 2030 Agenda for
Sustainable Development
Research Exercise to Establish
A Federated Information
System for the SDGs
Overview and Discussion
Statistics Division
THE GLOBAL GOALS
For Sustainable Development
esri
THE SCIENCE OF WHERE

formation System for the SDGs

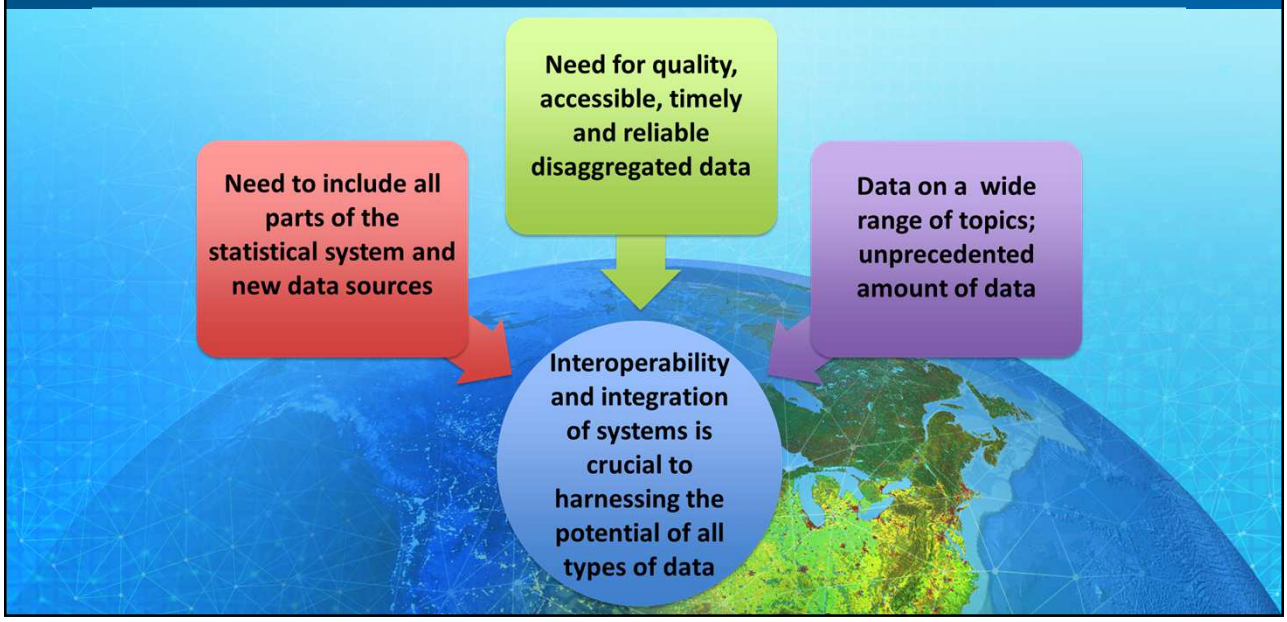
Indicator framework mandate…

Agenda 2030 (A/Res/70/1):

The Goals and targets will be followed up and reviewed using ***a set of global indicators****. The global indicator framework, to be* ***developed by the Inter-Agency and Expert Group on Sustainable Development Goal Indicators,*** *will be agreed by the Statistical Commission …*

These will be complemented by ***indicators at the regional and national levels which will be developed by Member States …***

Addressing data needs for the 2030 Agenda…



e

formation System for the SDGs

The research and learning exercise seeks to…

- **Strengthen the ability of National Statistical Systems and all SDG stakeholders to share data, knowledge, and best practices on data for the 2030 Agenda**
- **Provide a modern platform for collaboration among data producers and users that facilitates data interoperability (within and outside NSS and GSS boundaries)**
- **Enable the overlaying of multiple national and global data sets (understand data flows, address inconsistencies)**
- **Engage communities of interest around SDG policy initiatives**

Initially the research and learning exercise aims to accomplish…

- **Deploy a limited number of National SDG Data Hubs that are "country owned and country led"**
- **Deploy a Global UN SDG Data Hub for the SDG indicator framework**
- **Explore data integration and interoperability from a wide range of sources through the National SDG Data Hubs**
- **Explore the relationships between national and global data (understand and resolve differences)**

Initial focus of the research and learning exercise…

- **Demonstrate the ability to develop a scalable solution applicable to all countries that wish to participate**
- **Pilot a service-oriented, interoperable and standard-driven "system-of-systems" approach to bring together national/subnational data sets and link them to the global SDGs**

How is the research exercise being implemented?

- **Each participating country determines what SDG indicators are used for this exercise**
- **The initial subset of indicators are relevant to the national priorities, easily available to be used in the initial phase of the research and will include global SDG indicators**
- **The system will explore new pathways for facilitating data flows and action around that data (Hubs) and among key SDG stakeholders**

Why undertake this research and learning exercise?

- **The scope of the 2030 Agenda requires high-quality and disaggregated data that are timely, open, accessible, understandable and easy to use for a large range of users, including for decision making at all levels**
- **There is a need for a reporting system on the SDGs that would work from the subnational level to the national and allow also for global reporting that builds directly on the data shared by countries**
- **Important to create an opportunity for countries to directly contribute to the global reporting. While the challenges are immense, the digital technology that is available today allows the necessary transformation**
- **Strengthen countries' national geospatial and statistical data systems to further enable a service-oriented architecture that leverages an accessible and interoperable system**

The research and learning exercise starting principles…

- **UNSD and each participating country will establish internal teams**
- **Key stakeholders will share basic data and statistics on a selected number of indicators through the SDG Data Hubs**
- **Each country has ownership of the data shared through the SDG Data Hubs, and full control on the level of access granted to internal and external stakeholders and partners**
- **Each country will define access controls and roles, including credentials for sharing and accessing datasets and other resources through the SDG Data Hubs**
- **Sharing from portals and Hubs will make the production, analysis and use of data for sustainable development more efficient**

Participants in the research and learning exercise…

UNSD, Esri, Ireland, Mexico, the Philippines, Qatar, Senegal, and South Africa.

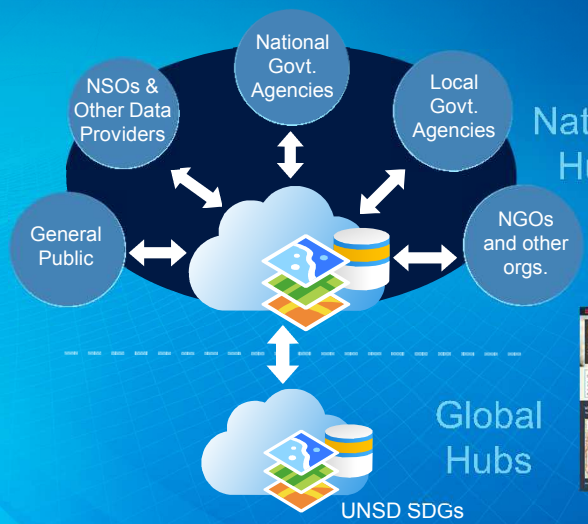
e Data Hubs?

formation System for the SDGs

Data Hubs

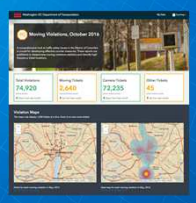
A New Cloud-Based Information System for Community Engagement

Connecting Organizations, Governments & Citizens



Providing / Supporting

- Open Data and Standards
- Scalability
- Governance (Access Control)
- Semantic Interoperability (Rich Metadata)
- Status Reporting and Dashboards
- Data-Driven Analysis (Policy Initiatives)
- Collection of Citizen-Generated Data (Crowdsourcing)

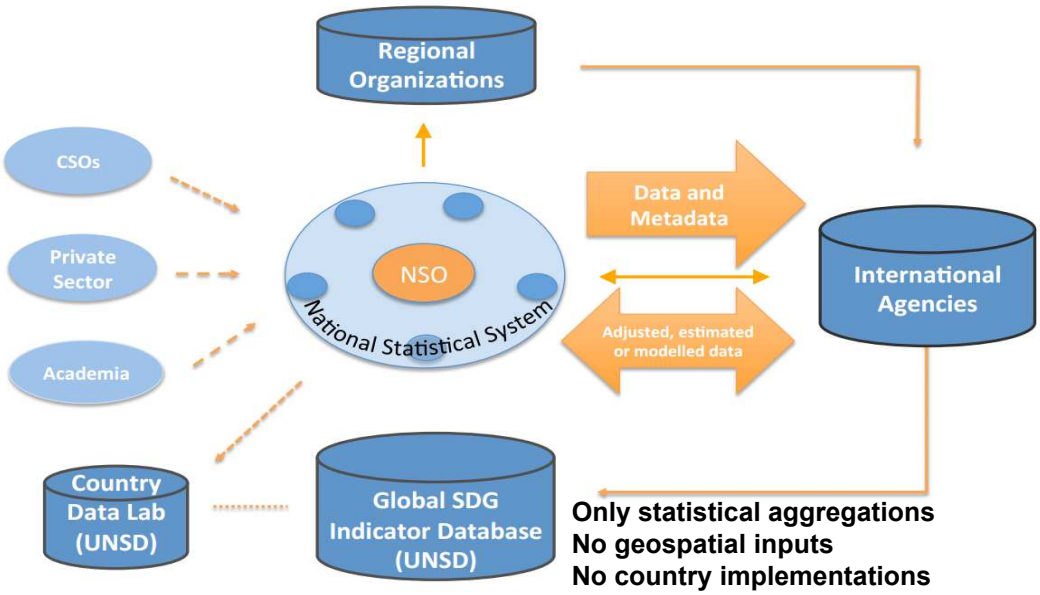


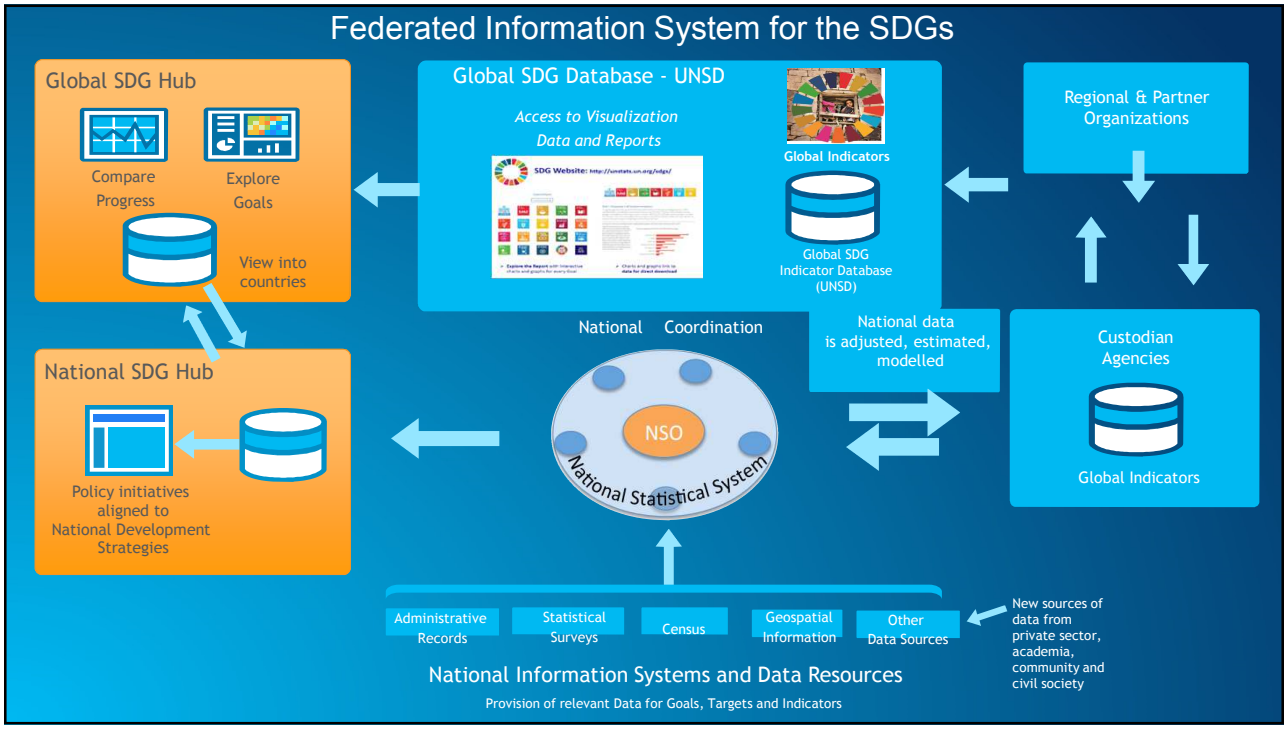
. . . New Cloud Offering Including Citizen User Roles

he SDG Data Hubs?

formation System for the SDGs

Present and agreed data flows in global SDG reporting

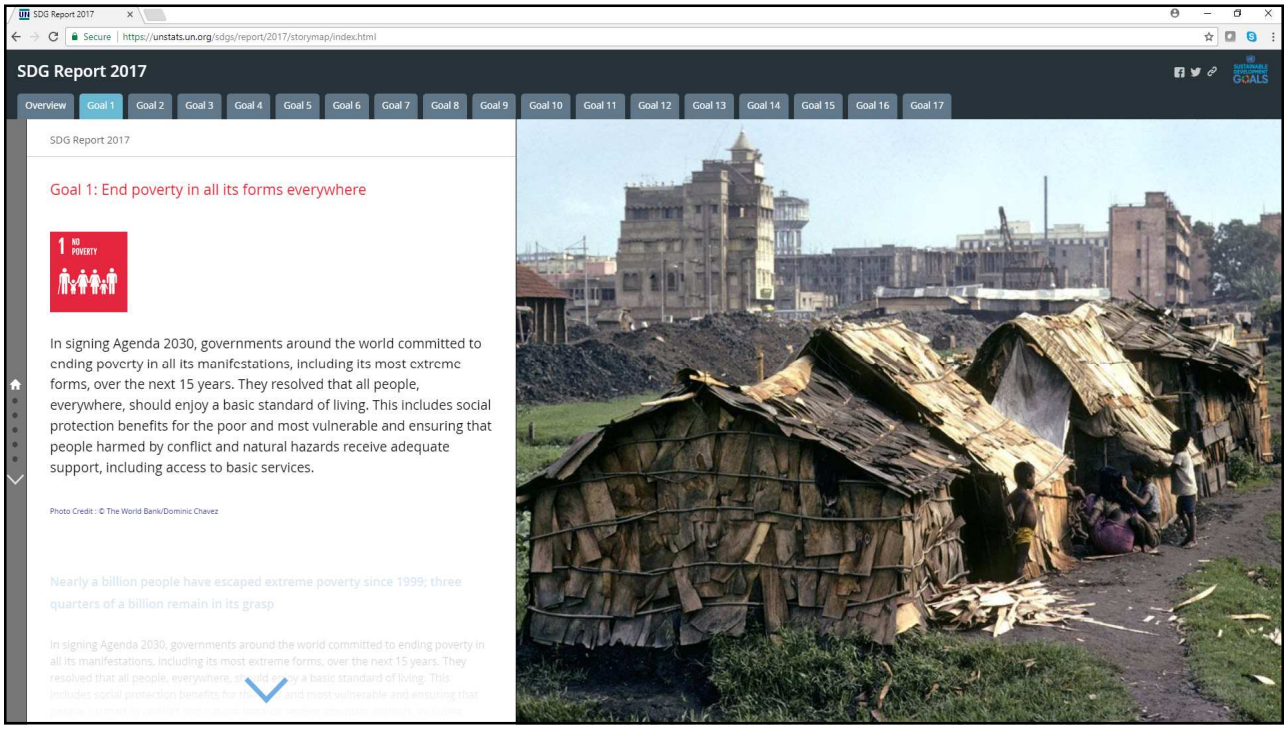


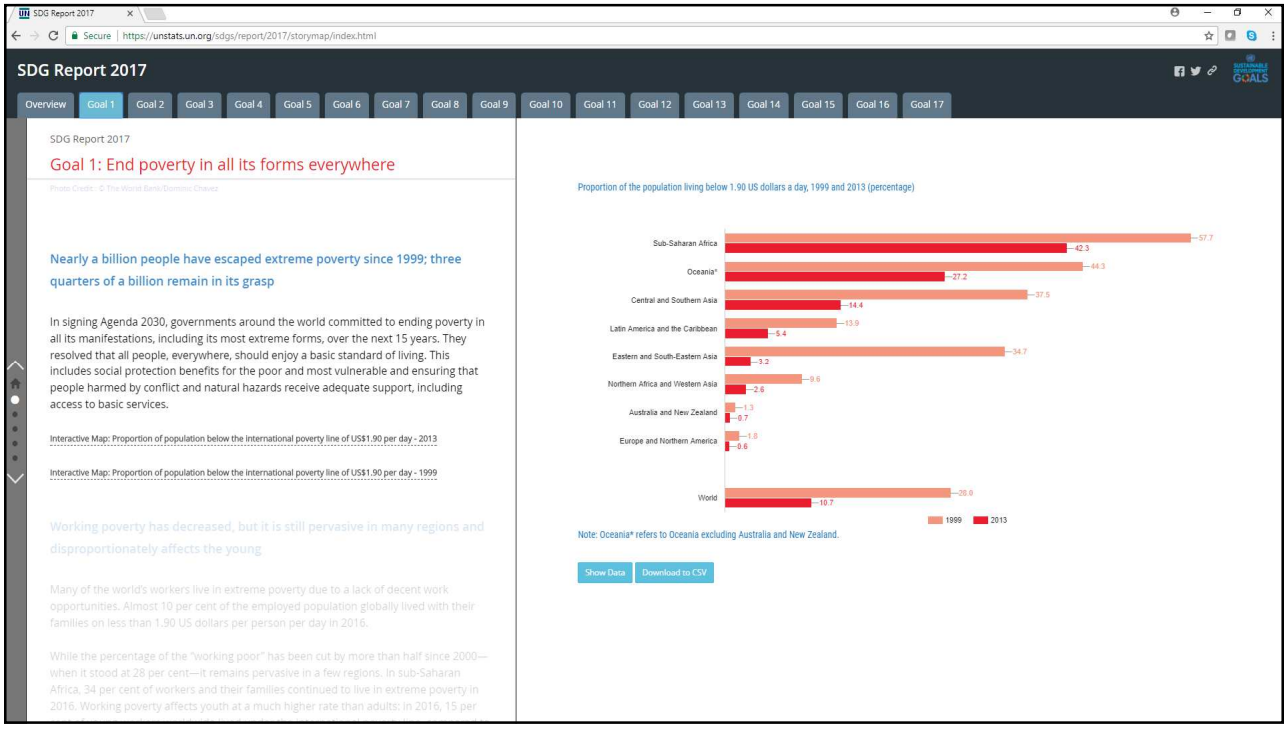

Federated Information System for the SDGs
Global SDG Hub
Compare Progress
Explore Goals
View into countries
National SDG Hub
Policy initiatives aligned to National Development Strategies
Global SDG Database - UNSD
Access to Visualization Data and Reports
Global Indicators
Global SDG Indicator Database (UNSD)
Regional & Partner Organizations
National Coordination
NSO
National Statistical System
National data is adjusted, estimated, modelled
Custodian Agencies
Global Indicators
Administrative Records
Statistical Surveys
Census
Geospatial Information
Other Data Sources
New sources of data from private sector, academia, community and civil society
National Information Systems and Data Resources
Provision of relevant Data for Goals, Targets and Indicators

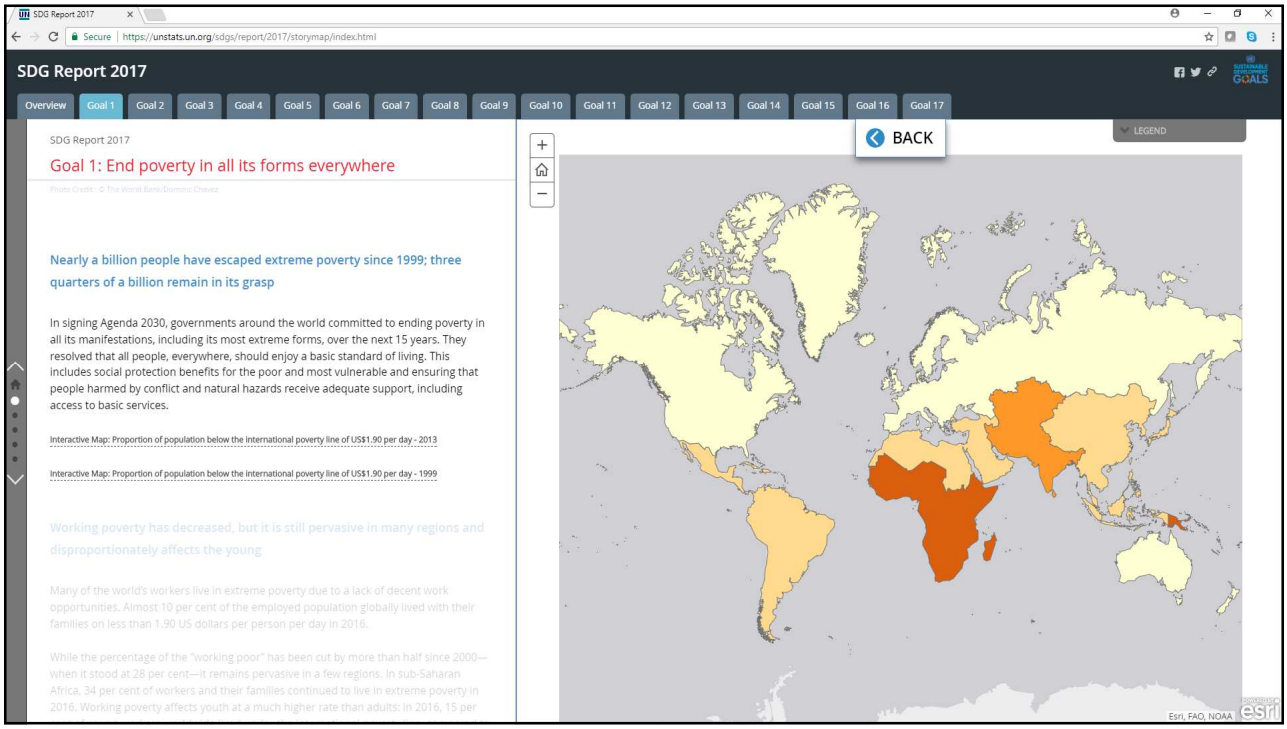
ainable Development
formation System for the SDGs

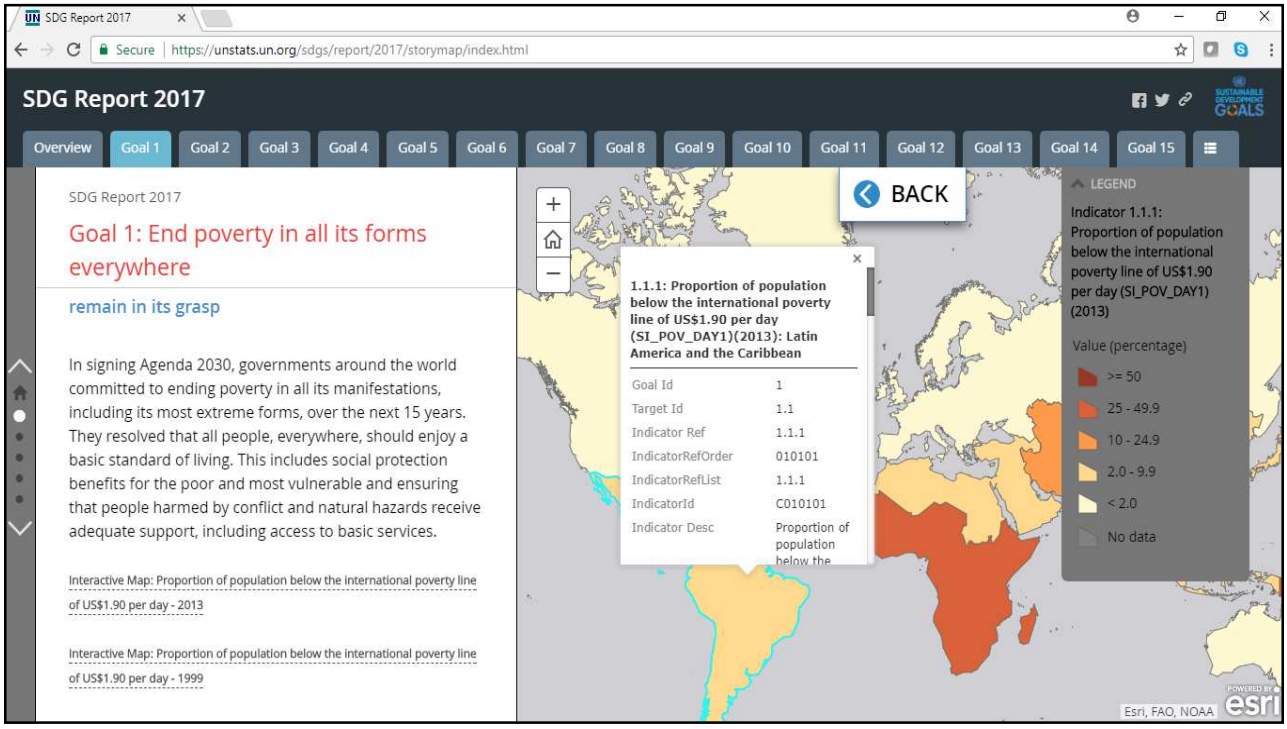
The federated information system for the SDGs…

- Incorporates shared experiences (through narratives), identifies and disseminates methodologies for SDG indicators, disaggregation, and dissemination as a core knowledge exchange product
- Allow actors to convene communities through technologies and foster an engaging environment around the SDGs that utilize crowdsourcing capabilities, dynamic and engaging visualizations, and shared analytics
- Will strengthen internal data management and analytic capacity, harness and promote stakeholder interactions around the SDGs; and in an open standard, open access environment
- Brings “geo-statistical intelligence” to SDG activities across multiple organizations, Member States and individuals. Accomplished through a scalable geographic analysis and mapping system that can be utilized anywhere at anytime via the cloud (or hybrid on-site/cloud constellations)


SDG Report 2017
Secure | https://unstats.un.org/sdgs/report/2017/storymap/index.html
SDG Report 2017
Overview
Goal 1
Goal 2
Goal 3
Goal 4
Goal 5
Goal 6
Goal 7
Goal 8
Goal 9
Goal 10
Goal 11
Goal 12
Goal 13
Goal 14
Goal 15
Goal 16
Goal 17
SDG Report 2017
Goal 1: End poverty in all its forms everywhere
1 NO POVERTY
In signing Agenda 2030, governments around the world committed to ending poverty in all its manifestations, including its most extreme forms, over the next 15 years. They resolved that all people, everywhere, should enjoy a basic standard of living. This includes social protection benefits for the poor and most vulnerable and ensuring that people harmed by conflict and natural hazards receive adequate support, including access to basic services.
Photo Credit : © The World Bank/Dominic Chavez
Nearly a billion people have escaped extreme poverty since 1999; three quarters of a billion remain in its grasp
In signing Agenda 2030, governments around the world committed to ending poverty in all its manifestations, including its most extreme forms, over the next 15 years. They resolved that all people, everywhere, should enjoy a basic standard of living. This includes social protection benefits for the poor and most vulnerable and ensuring that


SDG Report 2017
Secure | https://unstats.un.org/sdgs/report/2017/storymap/index.html
SDG Report 2017
Overview
Goal 1
Goal 2
Goal 3
Goal 4
Goal 5
Goal 6
Goal 7
Goal 8
Goal 9
Goal 10
Goal 11
Goal 12
Goal 13
Goal 14
Goal 15
Goal 16
Goal 17
SDG Report 2017
Goal 1: End poverty in all its forms everywhere
Nearly a billion people have escaped extreme poverty since 1999; three quarters of a billion remain in its grasp
In signing Agenda 2030, governments around the world committed to ending poverty in all its manifestations, including its most extreme forms, over the next 15 years. They resolved that all people, everywhere, should enjoy a basic standard of living. This includes social protection benefits for the poor and most vulnerable and ensuring that people harmed by conflict and natural hazards receive adequate support, including access to basic services.
Interactive Map: Proportion of population below the international poverty line of US$1.90 per day - 2013
Interactive Map: Proportion of population below the international poverty line of US$1.90 per day - 1999
Working poverty has decreased, but it is still pervasive in many regions and disproportionately affects the young
Many of the world's workers live in extreme poverty due to a lack of decent work opportunities. Almost 10 per cent of the employed population globally lived with their families on less than 1.90 US dollars per person per day in 2016.
While the percentage of the "working poor" has been cut by more than half since 2000—when it stood at 28 per cent—it remains pervasive in a few regions. In sub-Saharan Africa, 34 per cent of workers and their families continued to live in extreme poverty in 2016. Working poverty affects youth at a much higher rate than adults: in 2016, 15 per
Proportion of the population living below 1.90 US dollars a day, 1999 and 2013 (percentage)
Sub-Saharan Africa
57.7
42.3
Oceania*
44.3
27.2
Central and Southern Asia
37.5
14.4
Latin America and the Caribbean
13.9
5.4
Eastern and South-Eastern Asia
34.7
3.2
Northern Africa and Western Asia
9.6
2.6
Australia and New Zealand
1.3
0.7
Europe and Northern America
1.8
0.6
World
28.0
10.7
1999
2013
Note: Oceania* refers to Oceania excluding Australia and New Zealand.
Show Data
Download to CSV


SDG Report 2017
Secure | https://unstats.un.org/sdgs/report/2017/storymap/index.html
SDG Report 2017
Overview
Goal 1
Goal 2
Goal 3
Goal 4
Goal 5
Goal 6
Goal 7
Goal 8
Goal 9
Goal 10
Goal 11
Goal 12
Goal 13
Goal 14
Goal 15
Goal 16
Goal 17
SDG Report 2017
Goal 1: End poverty in all its forms everywhere
Nearly a billion people have escaped extreme poverty since 1999; three quarters of a billion remain in its grasp
In signing Agenda 2030, governments around the world committed to ending poverty in all its manifestations, including its most extreme forms, over the next 15 years. They resolved that all people, everywhere, should enjoy a basic standard of living. This includes social protection benefits for the poor and most vulnerable and ensuring that people harmed by conflict and natural hazards receive adequate support, including access to basic services.
Interactive Map: Proportion of population below the international poverty line of US$1.90 per day - 2013
Interactive Map: Proportion of population below the international poverty line of US$1.90 per day - 1999
Working poverty has decreased, but it is still pervasive in many regions and disproportionately affects the young
Many of the world's workers live in extreme poverty due to a lack of decent work opportunities. Almost 10 per cent of the employed population globally lived with their families on less than 1.90 US dollars per person per day in 2016.
While the percentage of the "working poor" has been cut by more than half since 2000—when it stood at 28 per cent—it remains pervasive in a few regions. In sub-Saharan Africa, 34 per cent of workers and their families continued to live in extreme poverty in 2016. Working poverty affects youth at a much higher rate than adults: in 2016, 15 per
BACK
LEGEND
Esri, FAO, NOAA
esri


SDG Report 2017
Secure | https://unstats.un.org/sdgs/report/2017/storymap/index.html
SDG Report 2017
Overview
Goal 1
Goal 2
Goal 3
Goal 4
Goal 5
Goal 6
Goal 7
Goal 8
Goal 9
Goal 10
Goal 11
Goal 12
Goal 13
Goal 14
Goal 15
SDG Report 2017
Goal 1: End poverty in all its forms everywhere
remain in its grasp
In signing Agenda 2030, governments around the world committed to ending poverty in all its manifestations, including its most extreme forms, over the next 15 years. They resolved that all people, everywhere, should enjoy a basic standard of living. This includes social protection benefits for the poor and most vulnerable and ensuring that people harmed by conflict and natural hazards receive adequate support, including access to basic services.
Interactive Map: Proportion of population below the international poverty line of US$1.90 per day - 2013
Interactive Map: Proportion of population below the international poverty line of US$1.90 per day - 1999
BACK
1.1.1: Proportion of population below the international poverty line of US$1.90 per day (SI_POV_DAY1)(2013): Latin America and the Caribbean
Goal Id 1
Target Id 1.1
Indicator Ref 1.1.1
IndicatorRefOrder 010101
IndicatorRefList 1.1.1
IndicatorId C010101
Indicator Desc Proportion of population below the
LEGEND
Indicator 1.1.1: Proportion of population below the international poverty line of US$1.90 per day (SI_POV_DAY1) (2013)
Value (percentage)
>= 50
25 - 49.9
10 - 24.9
2.0 - 9.9
< 2.0
No data
Esri, FAO, NOAA
esri

SDG Report 2017

Goal 1: End poverty in all its forms everywhere

ending poverty in all its manifestations, including its most extreme forms, over the next 15 years. They resolved that all people, everywhere, should enjoy a basic standard of living. This includes social protection benefits for the poor and most vulnerable and ensuring that people harmed by conflict and natural hazards receive adequate support, including access to basic services.

Photo Credit: © The World Bank/Dominic Chavez

Nearly a billion people have escaped extreme poverty since 1999; three quarters of a billion remain in its grasp

In signing Agenda 2030, governments around the world committed to ending poverty in all its manifestations, including its most extreme forms, over the next 15 years. They resolved that all people, everywhere, should enjoy a basic standard of living. This includes social protection benefits for the poor and most vulnerable and ensuring that people harmed by conflict and natural hazards receive adequate support, including access to basic services.

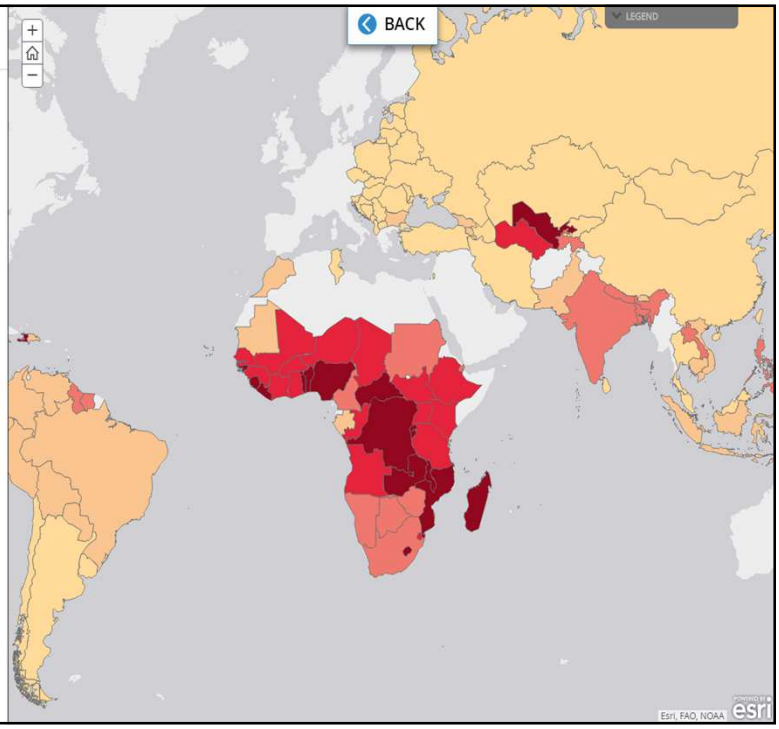
Interactive Map: Proportion of population below the international poverty line of US$1.90 per day - 2013

Interactive Map: Proportion of population below the international poverty line of US$1.90 per day - 1999

Interactive Map: Proportion of population below the international poverty line of US$1.90 per day (by latest available area)

Working poverty has decreased, but it is still pervasive in many regions and disproportionately affects the young

Many of the world's workers live in extreme poverty due to a lack of decent work



SDG Report 2017

Goal 1: End poverty in all its forms everywhere

ending poverty in all its manifestations, including its most extreme forms, over the next 15 years. They resolved that all people, everywhere, should enjoy a basic standard of living. This includes social protection benefits for the poor and most vulnerable and ensuring that people harmed by conflict and natural hazards receive adequate support, including access to basic services.

Photo Credit: © The World Bank/Dominic Chavez

Nearly a billion people have escaped extreme poverty since 1999; three quarters of a billion remain in its grasp

In signing Agenda 2030, governments around the world committed to ending poverty in all its manifestations, including its most extreme forms, over the next 15 years. They resolved that all people, everywhere, should enjoy a basic standard of living. This includes social protection benefits for the poor and most vulnerable and ensuring that people harmed by conflict and natural hazards receive adequate support, including access to basic services.

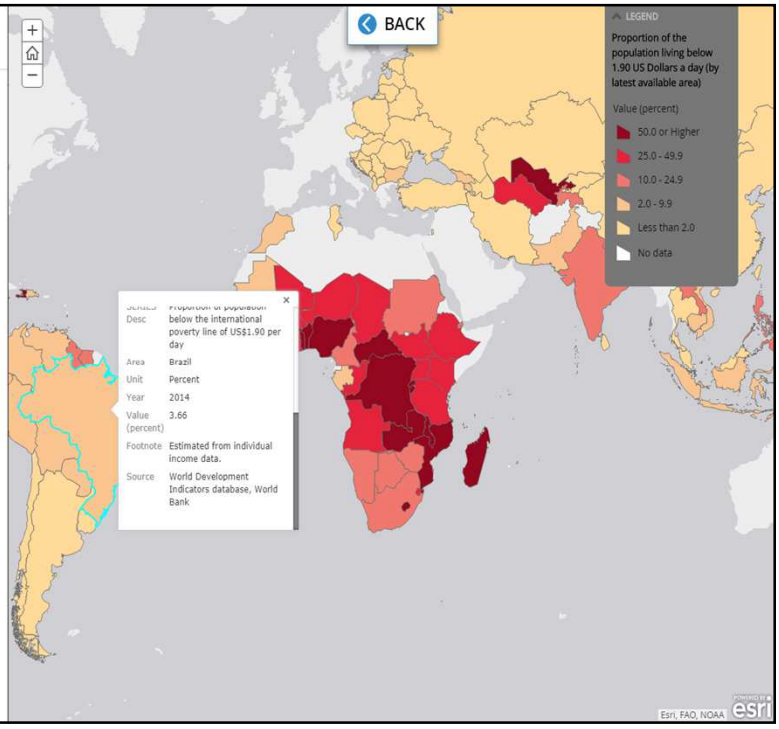
Interactive Map: Proportion of population below the international poverty line of US$1.90 per day - 2013

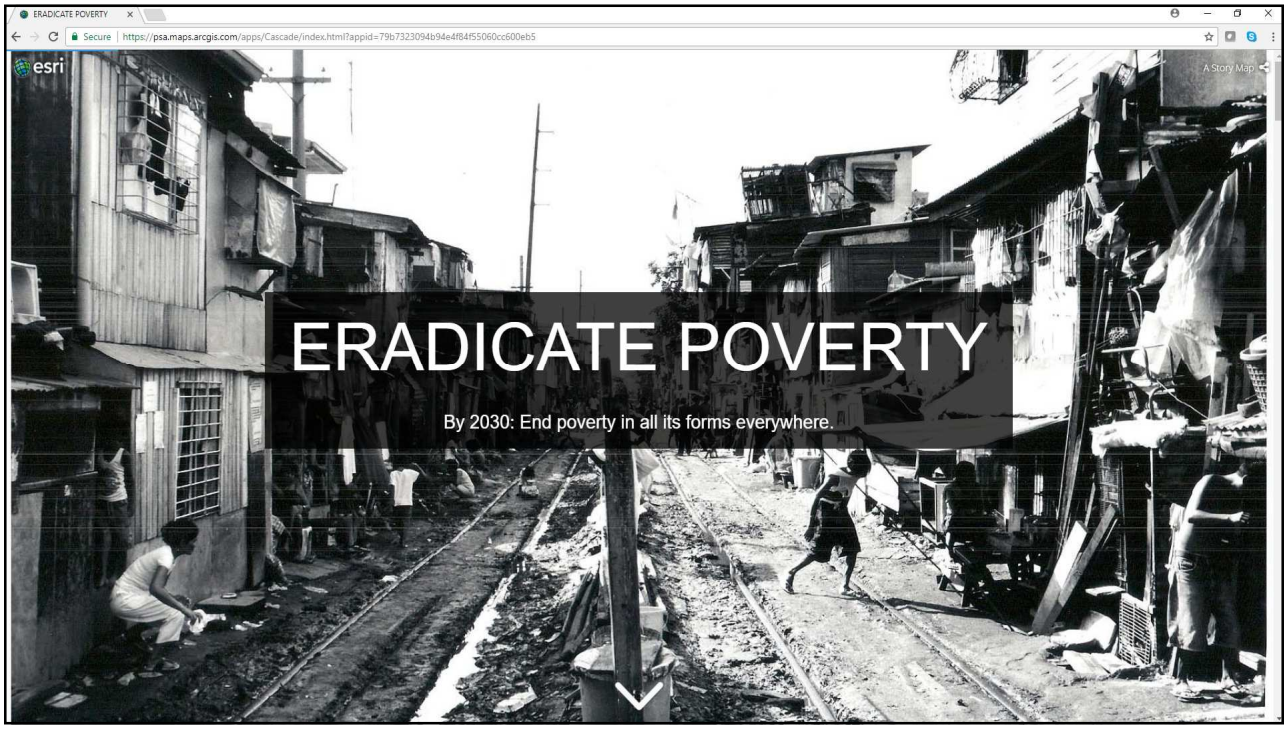
Interactive Map: Proportion of population below the international poverty line of US$1.90 per day - 1999

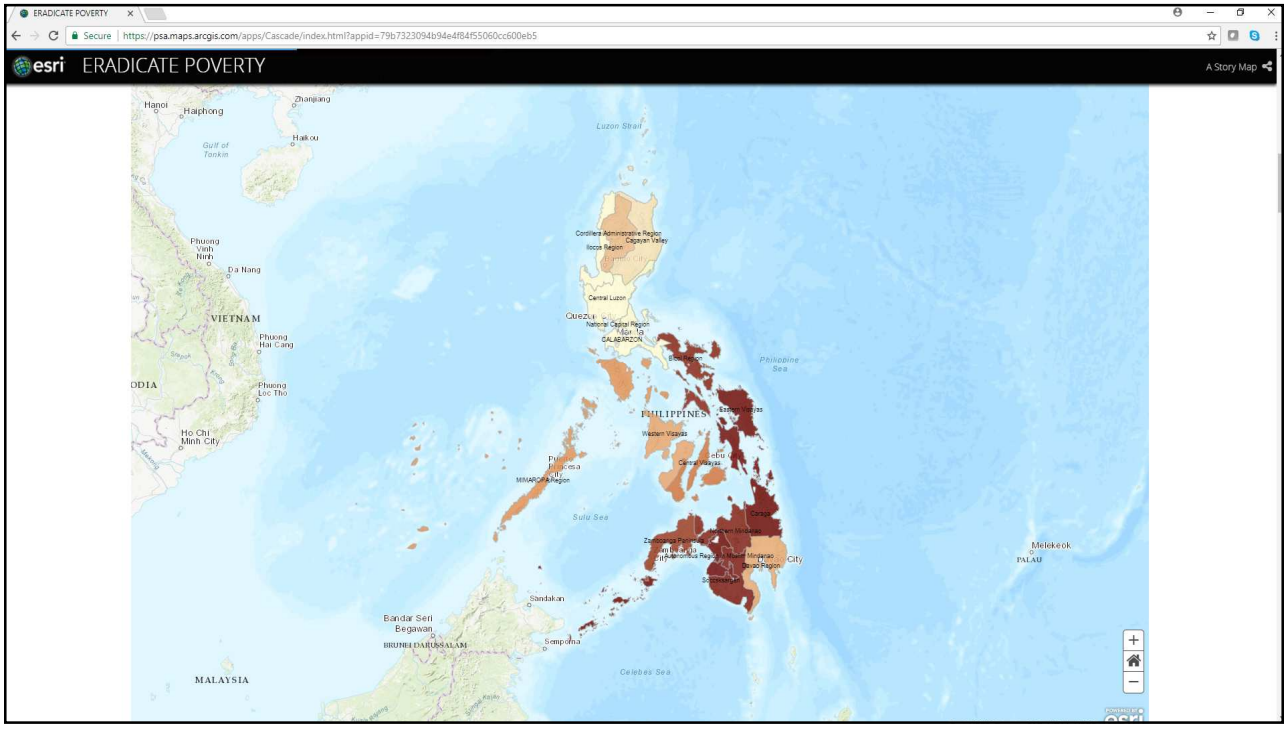
Interactive Map: Proportion of population below the international poverty line of US$1.90 per day (by latest available area)

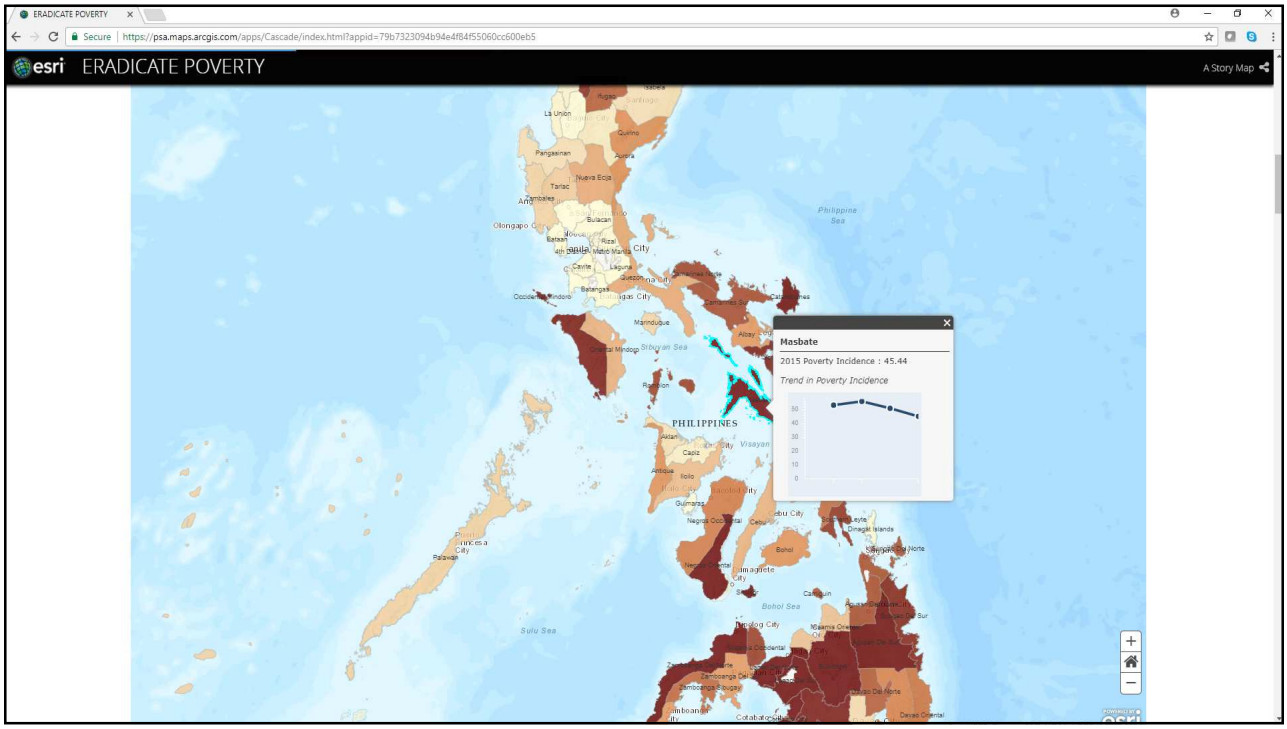
Working poverty has decreased, but it is still pervasive in many regions and disproportionately affects the young

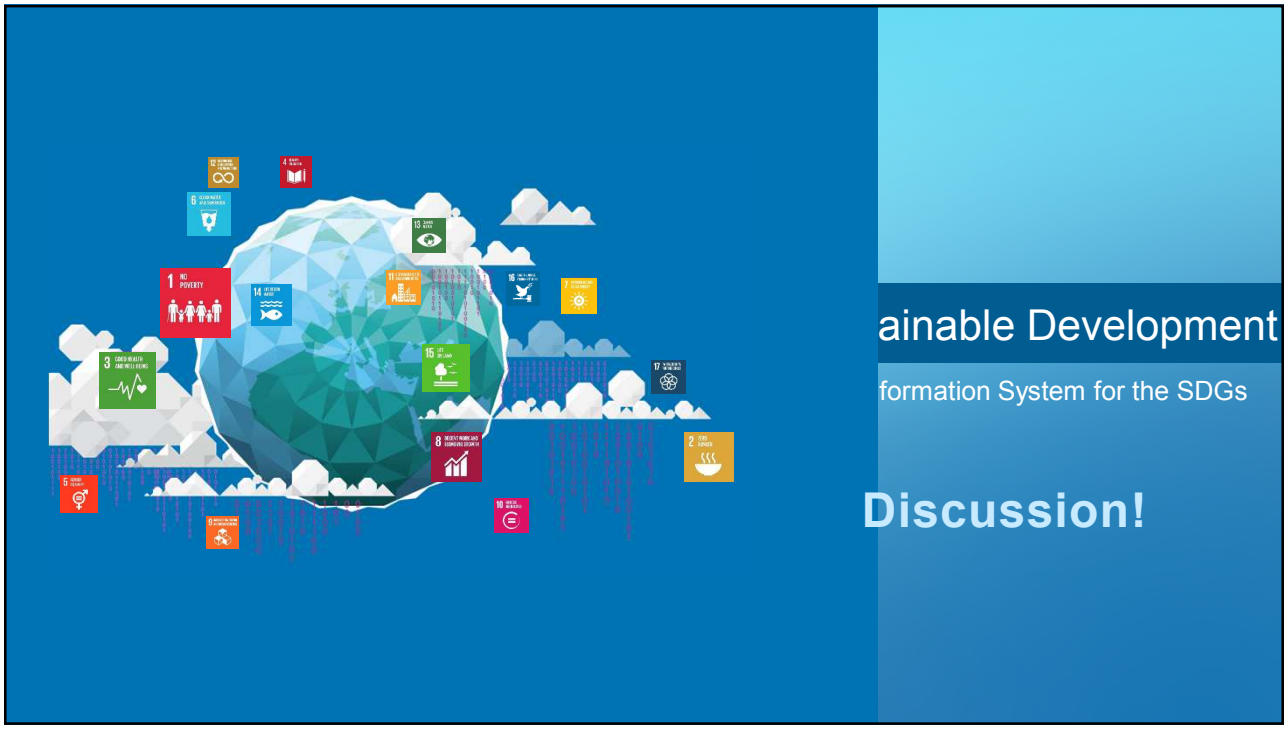
Many of the world's workers live in extreme poverty due to a lack of decent work




ERADICATE POVERTY
https://psa.maps.arcgis.com/apps/Cascade/index.html?appid=79b7323094b94e4f84f55060cc600eb5
esri
A Story Map
ERADICATE POVERTY
By 2030: End poverty in all its forms everywhere.


ERADICATE POVERTY
https://psa.maps.arcgis.com/apps/Cascade/index.html?appid=79b7323094b94e4f84f55060cc600eb5
esri
ERADICATE POVERTY
A Story Map
Hanoi
Haiphong
Zhanjiang
Haikou
Gulf of Tonkin
Luzon Strait
Cordillera Administrative Region
Ilocos Region
Cagayan Valley
Central Luzon
Quezon
National Capital Region
CALABARZON
Philippine Sea
VIETNAM
Da Nang
Phuong Hai Cang
Phuong Loc Tho
Ho Chi Minh City
PHILIPPINES
Eastern Visayas
Western Visayas
Central Visayas
Sulu Sea
Zamboanga Peninsula
Northern Mindanao
Davao Region
City
Melekeok
PALAU
Sandakan
Bandar Seri Begawan
BRUNEI DARUSSALAM
Sempoma
MALAYSIA
Celebes Sea


ERADICATE POVERTY
esri ERADICATE POVERTY
A Story Map
Masbate
2015 Poverty Incidence : 45.44
Trend in Poverty Incidence
PHILIPPINES


ainable Development
formation System for the SDGs
Discussion!