

#NDMUN21

ADVANCING
PROTECTION,
PEACE AND
DEVELOPMENT



Private Sector Innovation for Humanitarian Action

NDM21, 15 February 2018

Sam Libby, Esri



Esri ▶ A global geospatial technology provider

49 Years of GIS

180+ Countries

Working across sectors

**Building Systems of
Record and Engagement**

**Providing Mapping, Analysis, Data
Management, and Collaboration Tools**



Esri ▶ Supporting Mine Action Everywhere

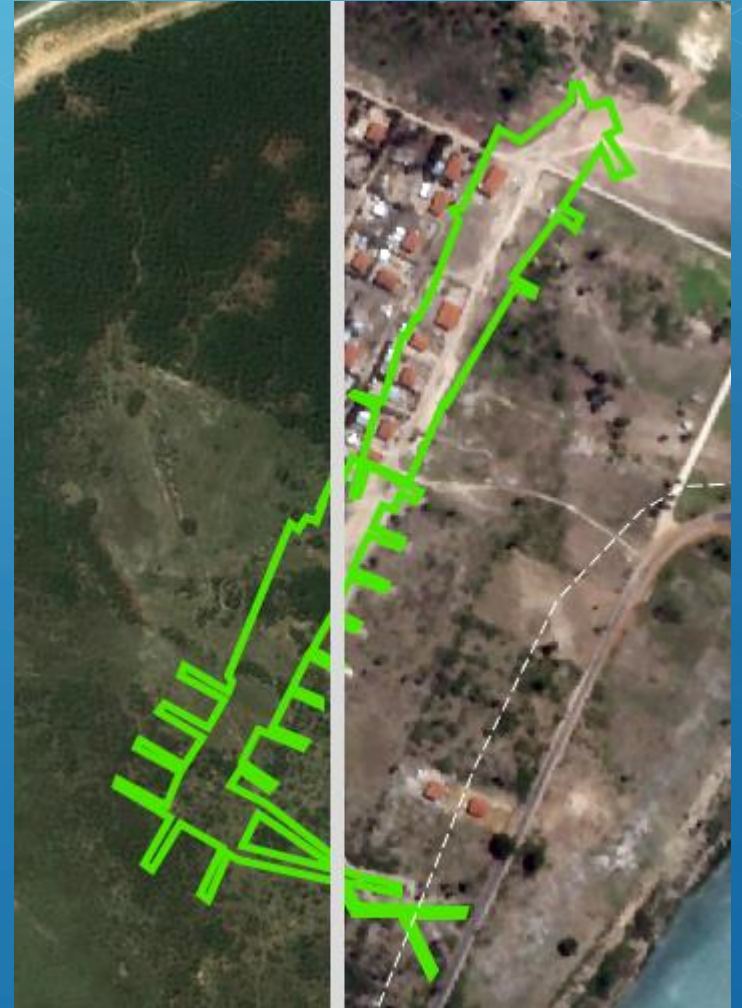
Mine Action is inherently geospatial

- Visual Display of Contamination
- Remote Sensing for post-clearance assessment
- Cluster strike evaluation
- Sketch mapping, evidence collection, device reporting

Many are building Systems of Record through GIS

Many are already using ArcGIS for paper and PDF maps

Partnering with: HI, HALO, MAG, iMMAP, USAID
and development partners



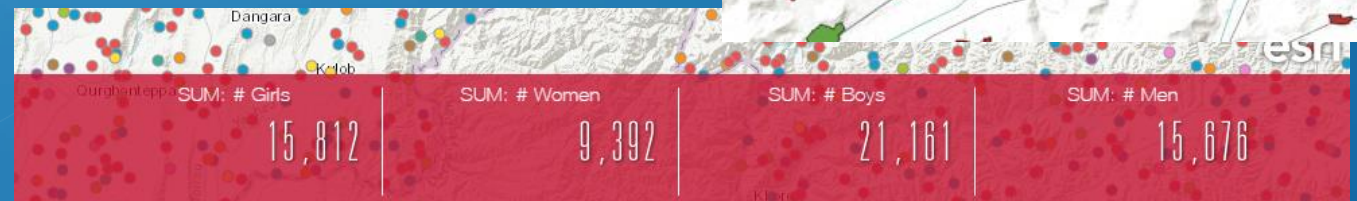
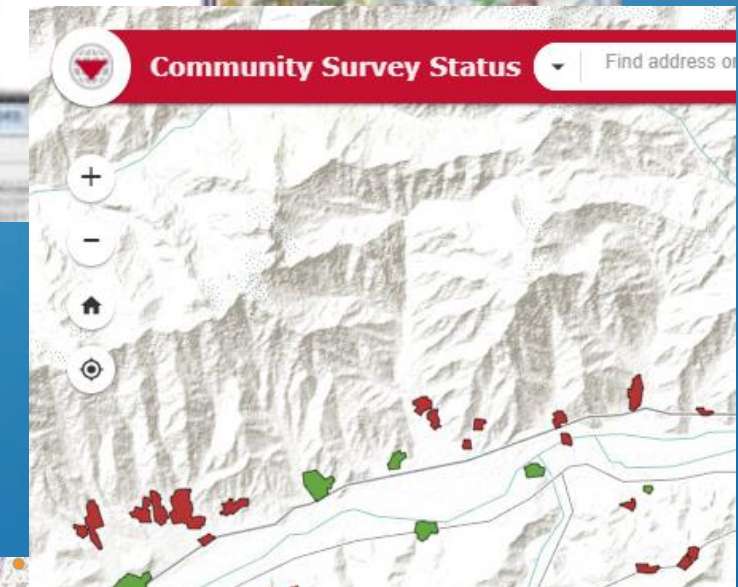
Esri Supporting Mine Action With GICHD

IMSMA has been built on ArcGIS for nearly 20 years

Providing mapping software at low or no cost – 95-99% savings under GICHD license agreement

IMSMA Core brings the power of modern web and mobile access to information management

- Smart forms
- Web dashboards
- Mobile access



Esri Building community training with GICHD

<p>Web Course 🕒 2 Hours</p> <p>GIS for Humanitarian Mine Action: Using Vector Data in ArcMap</p> <p>Learn techniques to enhance exploration of your data and prepare data for analysis. You will also learn how to increase the usability of a GIS map. The course also introduces common query, geoprocessing, and</p> <p>🔍 Wish List 🔒 View Details</p>	<p>Web Course 🕒 2 Hours, 45 Minutes</p> <p>GIS for Humanitarian Mine Action: Principles of Map Design</p> <p>Maps that provide the right information at a glance are critical for the safety of all involved in humanitarian mine action operations. Learn fundamental design principles to make a well-designed map that</p> <p>🔍 Wish List 🔒 View Details</p>	<p>Web Course 🕒 2 Hours, 30 Minutes</p> <p>GIS for Humanitarian Mine Action: Using Raster Data in ArcMap</p> <p>Raster data is an important type of GIS data, but the files typically require more storage space and take longer to process. Learn practical tips and techniques to reduce the size of your raster data and minimize</p> <p>🔍 Wish List 🔒 View Details</p>
<p>Web Course 🕒 3 Hours</p> <p>GIS for Humanitarian Mine Action: Coordinate Systems and Map Projections</p> <p>Your choice of coordinate system and map projection impacts the accuracy of feature locations and measurements made using the map. This course introduces reference system concepts used to</p> <p>🔍 Wish List 🔒 View Details</p>	<p>Web Course 🕒 2 Hours, 45 Minutes</p> <p>GIS for Humanitarian Mine Action: Symbols and Symbol Styles</p> <p>Maps used to assist demining efforts must be accurate and easy to interpret to prevent injury or death. This course teaches symbology skills that will help you create high-quality GIS maps that support land-release</p> <p>🔍 Wish List 🔒 View Details</p>	<p>Web Course 🕒 3 Hours, 15 Minutes</p> <p>GIS for Humanitarian Mine Action: Georeferencing and Digitizing</p> <p>Imagery is very useful for visualization and analysis, but it must have associated spatial reference information to be accurately mapped to its real-world location. This course teaches how to add spatial reference information to an image and how to create vector</p> <p>🔍 Wish List 🔒 View Details</p>

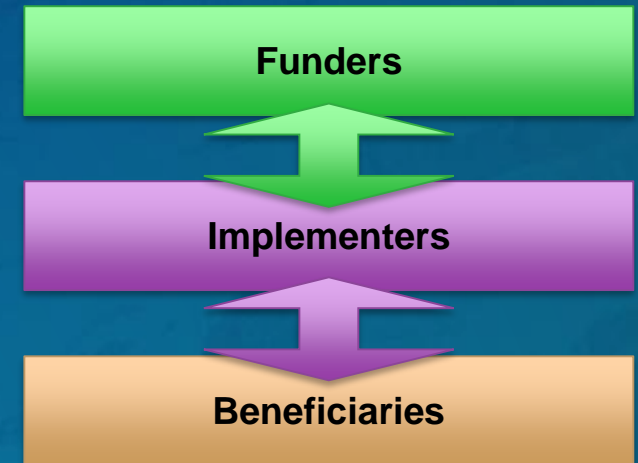
Esri Nonprofit Program



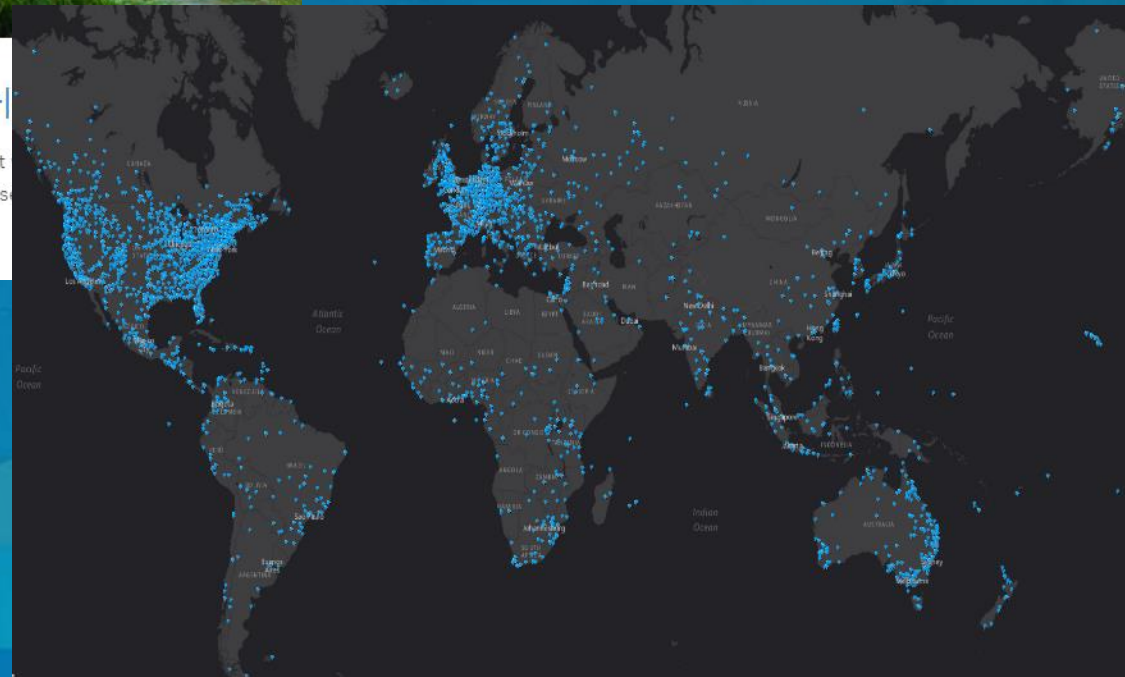
Giving You the Tools to Change the World

Your passion is limitless, but your resources may not be. Equip your nonprofit and training without busting your budget. From community services and conservation, we're here to help you take your mission to the next level.

<http://esri.com/nonprofit>



Global Nonprofit Program Participation



Special Relationships

Enriching Our User Community
Making a Difference

5,000+ Nonprofit Organizations

CIVIC ANALYTICS NETWORK
JANE GOODALL INSTITUTE UNEP
W.K.KELLOGG FOUNDATION CONSERVATION INTERNATIONAL
ASSOCIATION OF AMERICAN GEOGRAPHERS WORLD VISION
NATIONAL AUDUBON SOCIETY
AQUARIUM OF THE PACIFIC CGIAR WOLD WILDLIFE CONSERVATION FUND
NATIONAL GEOGRAPHIC SOCIETY CIESIN
HALO TRUST NATURESERVE NATURAL RESOURCES DEFENSE COUNCIL
INTERNATIONAL RESCUE COMMITTEE TRUST FOR PUBLIC LAND
INTERNATIONAL ORGANIZATION FOR MIGRATION
NATIONAL TRUST FOR HISTORIC PRESERVATION
DEVELOPMENT GATEWAY CHESAPEAKE CONSERVANCY SOCIETY FOR CONSERVATION GIS
BILL & MELINDA GATES FOUNDATION
WORLD FOOD PROGRAMME WORLD RESOURCES INSTITUTE
THE NATURE CONSERVANCY GICHD
CATHOLIC RELIEF SERVICES
NETHOPE DIRECT RELIEF
WORLD HEALTH ORGANIZATION
ASSOCIATION OF AMERICAN GEOGRAPHERS UNHCR
AMERICAN RED CROSS
EARTH GENOME



Esri ▶ Why support NGOs and Humanitarians?

Our founder's vision as GIS for a better world

Recognition of the donation of time and effort that all staff of NGOs and Humanitarians make each day

Getting key feedback from those who are very close to our biggest problems

Building a company with a legacy, not a balance sheet

Taking For-Profit to For-Profit-for-Good



SDG Vision

GIS

Is Enabling a
Sustainable World



What if SDG reporting was **hands-off** and always up-to-date?



2017-2018 Research Exercise

Federated Information System for the SDGs

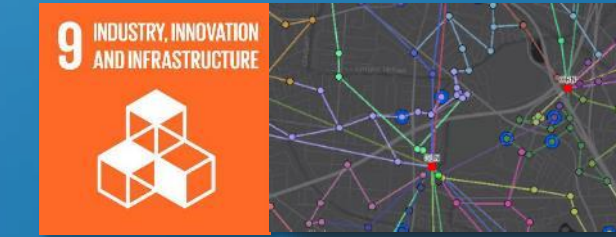
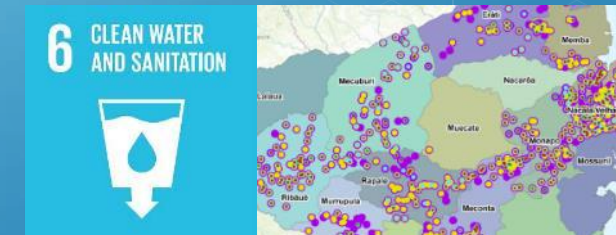
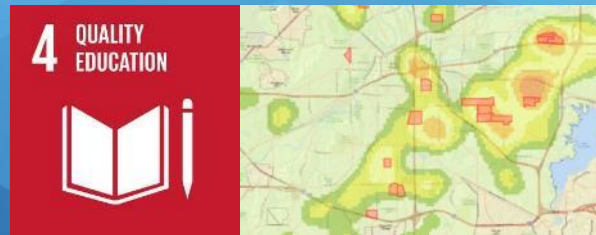
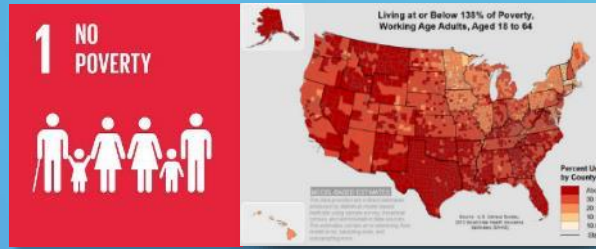


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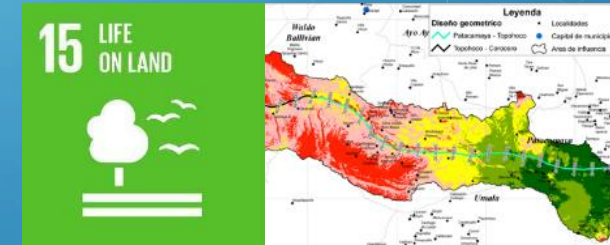
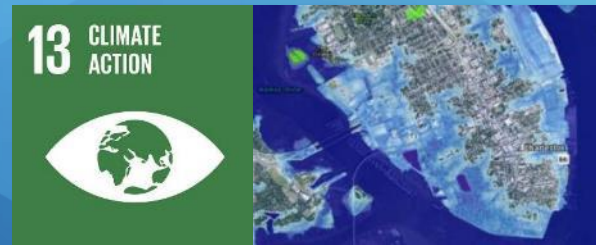
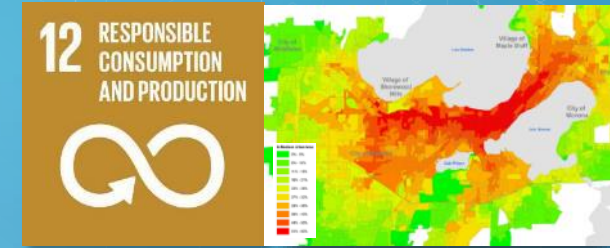


United Nations
Statistics Division

GIS In Action to meet the SDGs



Building Capacity through Reporting Indicators



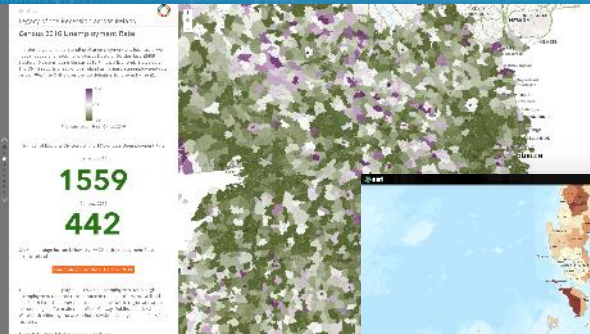
Esri A federated information system for the SDGs

Working with partners at UNSD and with National Statistical Offices to:

Catalog and review the rich existing datasets

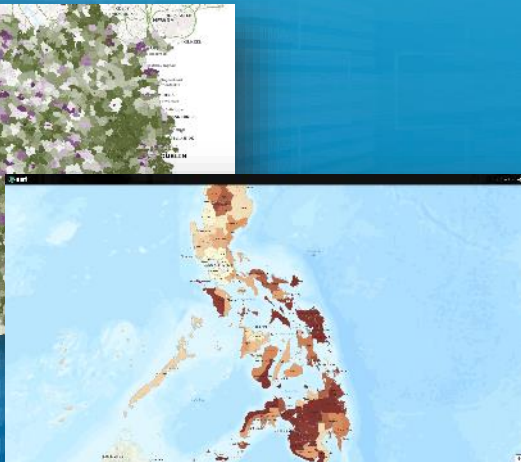
Provide open and enthusiastic access to data

Provide a workable pattern for sharing up from providers and down from government



OS Ireland

Country Level
SDG Data Hubs



Philippines

Providing Mapping, Analysis, Data
Management, and Collaboration Tools



SDG
Story Maps



UN SDG
Data Hub

Esri ▶ What can the private sector provide?

Relevant ideas, new technology and interventions from other sectors

Re-usable Training and Skills for Mine Action IM teams

Ongoing updates to existing software at no cost

Access to resources in-country from other organizations

Partners, distributors, GIS professionals

**Providing Mapping, Analysis, Data
Management, and Collaboration Tools**

Now is the Time to Act

*Envision
What's Possible*

Explore New
Applications

Share and
Collaborate

Adopt the
New Patterns

Learn the
New Technology

Encourage
New Users

Share Methods
and Successes





Thank you

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