

Esri and GIS Education

Esri Users



Over 1 Million Users

Organizations

1,200 National Government Agencies

11,500 States & Regional Agencies

30,800 Cities & Local Governments

32,000 Businesses

8,500 Utilities

12,600 NGOs

11,000 Colleges & Universities

OUR WORLD

*Is Undergoing a Massive
Digital Transformation*



THE SCIENCE OF WHERE

*A Fundamental
Digital Language*



*For Understanding and
Managing Our World*

THE SCIENCE OF WHERE

*A Framework
and Process*



*Transforming How We Think and Act . . .
. . . Creating a More Sustainable Future*

GIS Provides the Platform

For Managing, Analyzing, and Applying Geographic Information

Integrating People,
Processes, Things,
and Data About Them

System of
Engagement

Using the Power of Where
to Integrate Everything

System of
Record

System of
Insight



*GIS Now Provides
the Means . . .*

To Do Your Work Better. . .

*. . . and for You to Apply
The Science of Where*

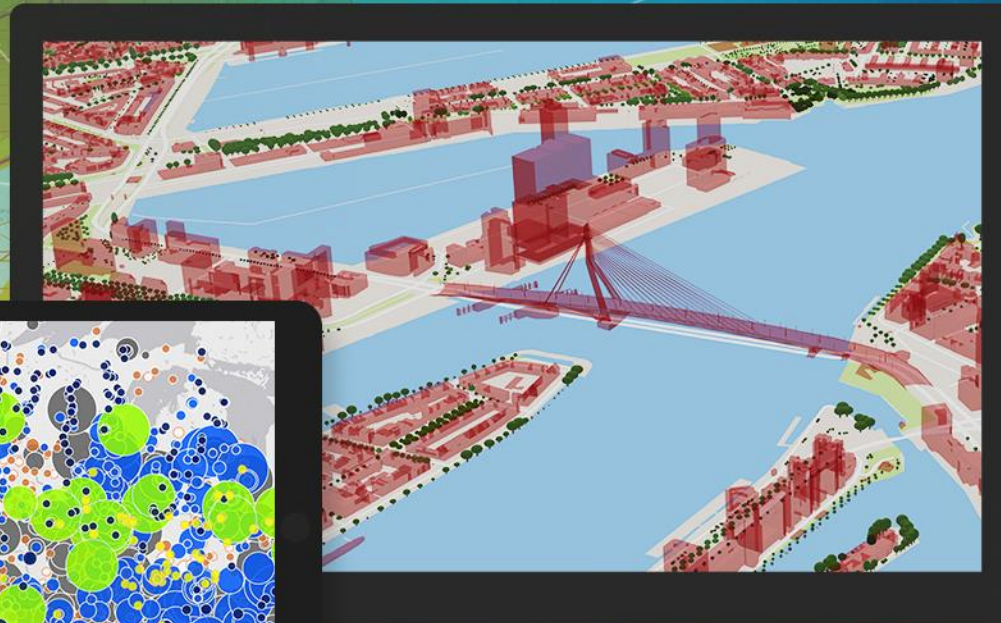
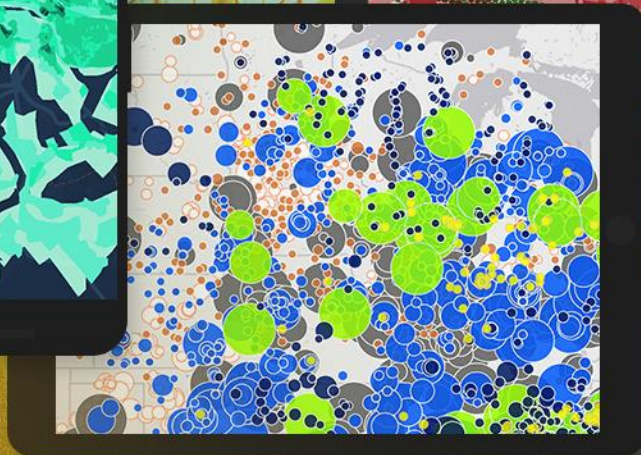
. . . everywhere



Our Work

Creating Useful Technology and Supporting Our Users

ArcGIS



ArcGIS | A Complete GIS Platform

A System for Managing and
Applying Geographic Information

Services Based

Deployable On-Premises
and in the Cloud

Distributed



Open

Available as SaaS

Supporting Individuals, Teams, and Organizations

ArcGIS | Supports Multiple Implementation Patterns

Desktop



Server



Enterprise/Online



Distributed



System of Systems

Web Services Are Interconnecting Everything

ArcGIS Hub | A Platform to Collaborate With Your Community

Organizing and Leveraging Community Interactions

Includes

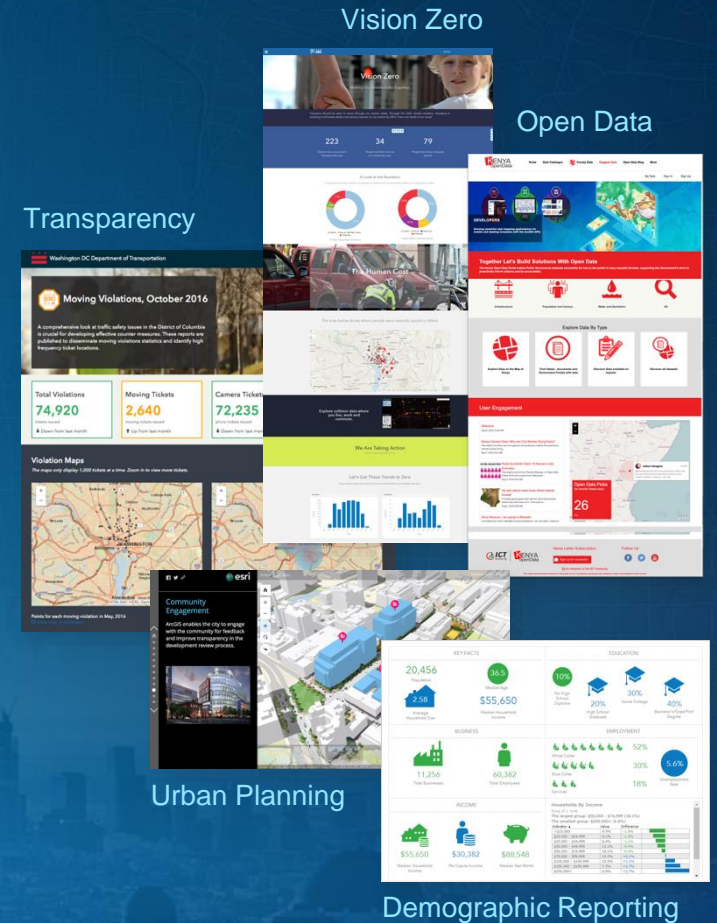
- **Policy Initiatives**
(Web Sites, Apps, Maps and Reports)
- Community Identities
- Dashboard Monitoring
- Demographic Content



Government



ArcGIS Online Community Organization



Easily Configured and Used

Esri Education GIS | Education for a Brighter Future

Lecturers can:

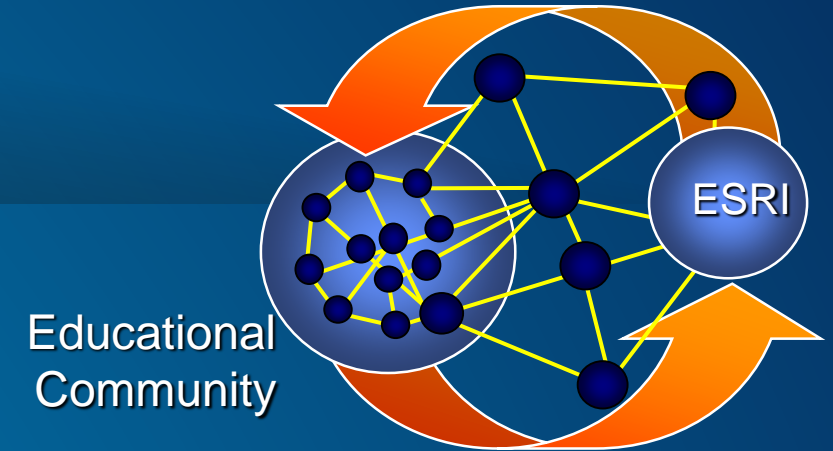
- arm students with the ability to apply GIS to problems in more depth and discover new insights
- have access to the latest GIS technology to teach the most up-to-date techniques
- access virtual campus and a wealth of other GIS resources
- promote critical thinking across all disciplines using GIS
- use GIS to add real-world relevance to their subject area

Students can:

- use GIS alongside their core subject to understand their discipline in greater depth
- gain experience in project-based learning via GIS
- acquire GIS technology skills which are transferable to the twenty-first Century workplace, where Esri software is widely used

University Administrators can:

- use GIS for the management of University campus operations: building, services (electrical, water, telecoms), safety, student transport, maintenance
- speak the same technology language as local and regional governments that are also using GIS for problem-solving



GIS BRINGS OPPORTUNITY FOR PROBLEM-BASED LEARNING

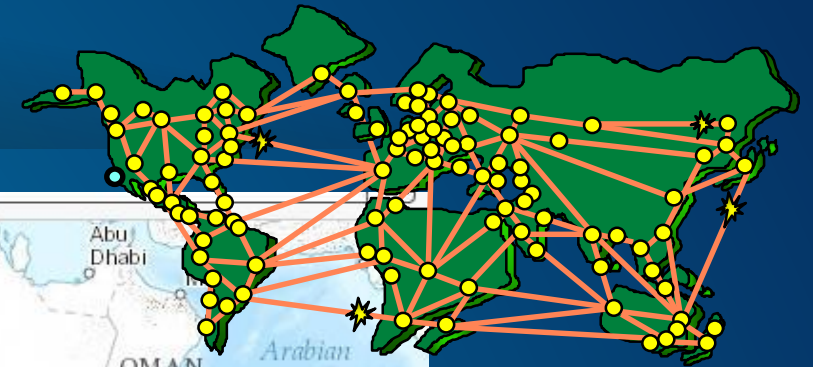
- ANALYSIS AND DECISION MAKING BASED ON DATA
- NOT JUST READING AND EXAMS; LEARNING BY DOING
- MAKING A CONTRIBUTION TO LOCAL ISSUES/PROBLEMS

BARRIERS FOR PROGRESS

- LACK OF TECHNOLOGY AS VEHICLE FOR ALL STUDIES
- LACK OF FUNCIONAL SPATIAL DATA INFRASTRUCTURE (SDI) >> LOCAL DATA
- LACK OF TEACHER TRAINING ON PROBLEM-BASED LEARNING METHODS
- LACK OF HIGH-SPEED INTERNET ACCESS >> ONLINE SERVICES

Esri Education GIS

Esri's 100 African Universities Program



Esri Granted GIS Software to Ethiopian Universities

The MoU commits the two institutions to share knowledge and expertise relating to GIS knowledge and collaboration on research.

It also guarantees the university unlimited access to Esri Desktop, Mobile, Server, Online and Developer technology as well as access to Esri Press Books, training and education, and technical support.



Esri Boosts Higher Education in Ethiopia

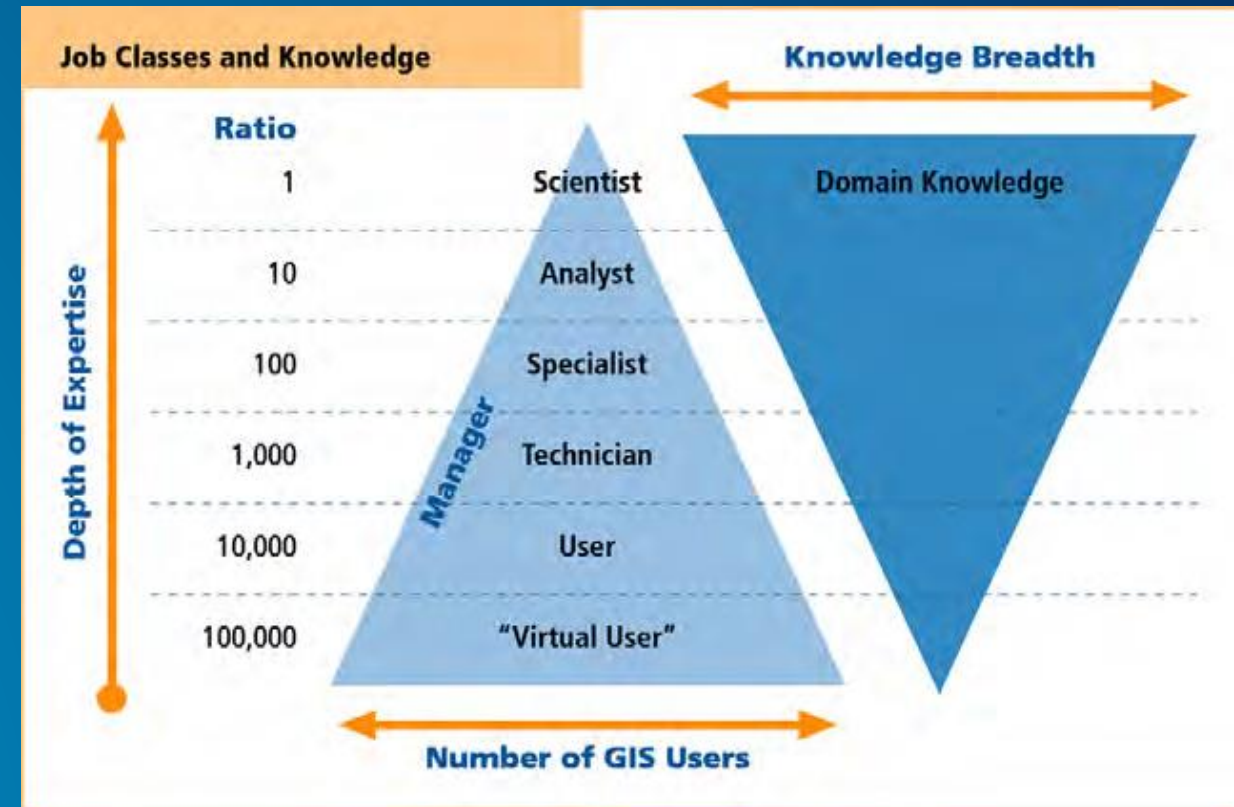
Smart mapping leader Esri announced an agreement between Esri Eastern Africa Limited and the Federal Democratic Republic of Ethiopia to install free Esri geospatial software at more than 30 Ethiopian public universities.

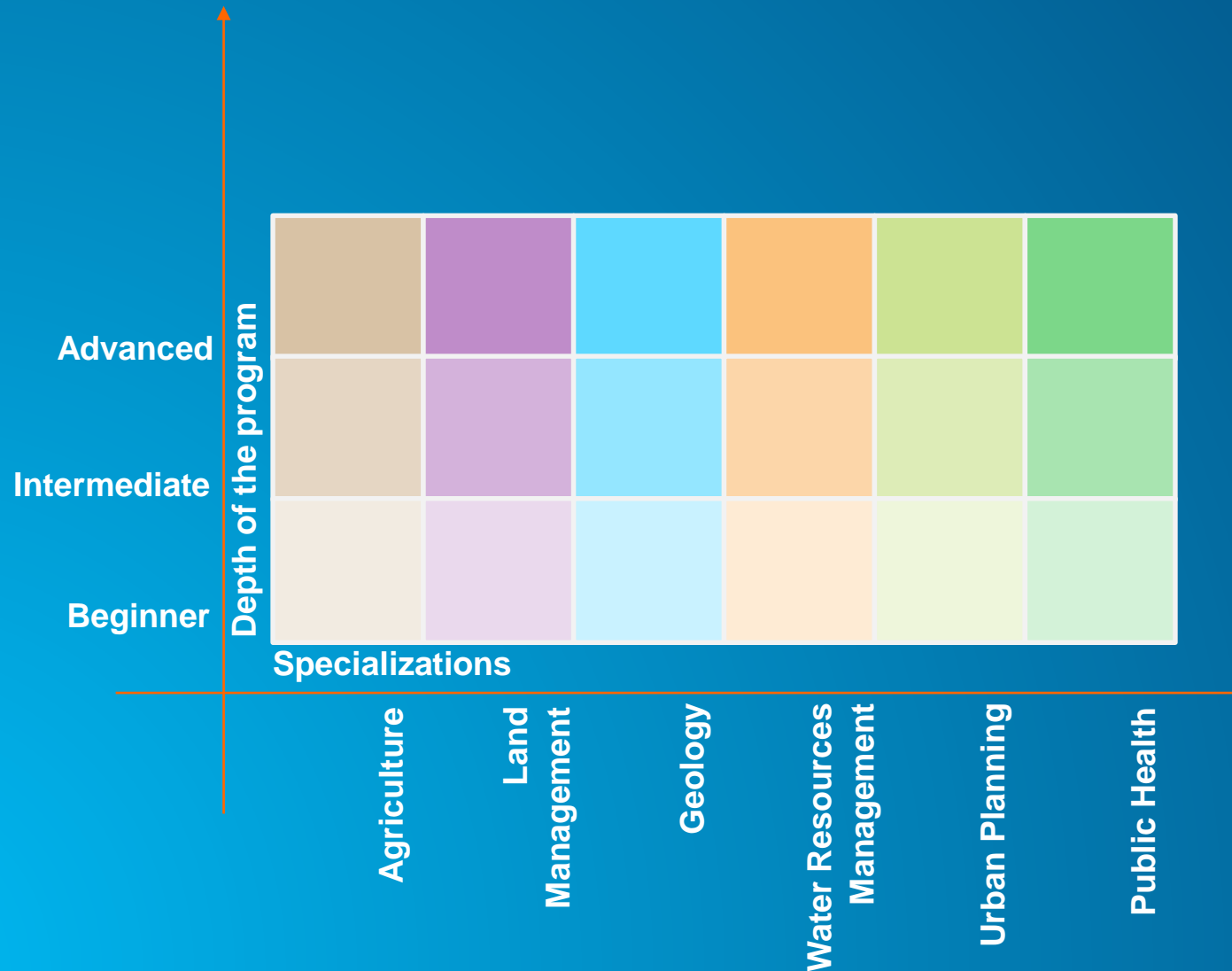
Under the terms of the agreement, the universities will enjoy high-speed fiber-optic Internet access to Esri's award-winning geospatial platform ArcGIS, including mobile and web applications, online training courses, global datasets, and teaching resources.



Academic research has driven both the development and use of GIS and related geospatial technologies in many workforce domains.

Courses and programs at universities in geographic information science and technology (GI S&T) have increased rapidly as the demand from industry has grown.

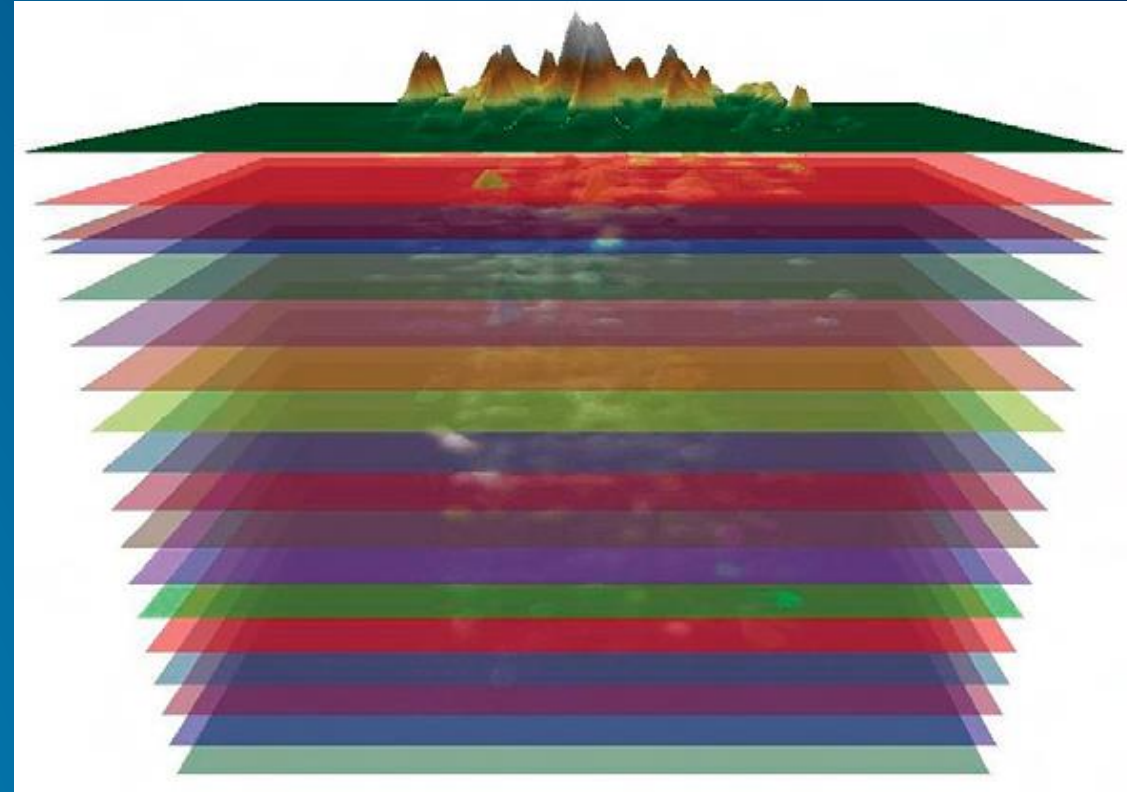




Knowledge Area —two letter code (KA) and description
Unit —Number and title with a brief description (references as applicable)
Topic —Unit number and individual number and descriptive title
<ul style="list-style-type: none"> At least one educational objective Key Readings—References to materials for the KA

Esri Education GIS | Commitments in Ethiopia – Education SDI

- Reduce Time and Redundancy of Data Production
- Enable Easy Search and Discovery
- Maintain Data Integrity and Security



Esri Education GIS | Commitments in Ethiopia – Capacity Building

Esri Eastern Africa
Education GIS
Conference
23-24 September, 2016

"Creating a World of
Opportunities"

