

Tools for Marine Spatial Planning

UN 🎯

environment programme

Mapping and Visualization

Sidney Nyongesa | Solutions Engineer

2023

Capacity development in Marine Spatial Planning Tools and Information Management in the WIO Region

Mombasa, Kenya

ESTI World Leader in Geographic Information Systems (GIS) **Over 10 Million Users**

Growing, Strong and Impactful

8,600 Utilities



Serving Our Users Advancing GIS & The Science of Where

WHERE

Strong and Growing

Engineering and Science Focus



& Products

Software

Development

Partnerships

Technical

Support

Business Marketing Development

Operations

Education

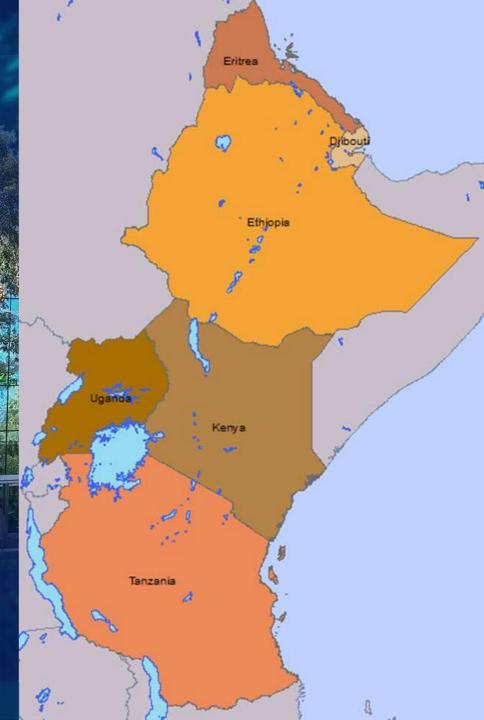
& Training

STATION STATISTICS

International

Activities

... Working Together to Make a Difference



Partner Ecosystem

3000 **Global Partners**

Products & Solutions

System Integration

Implementation Services

Content & Information Products

Complementary Technology

Global Services Partners

- Accenture
- Atos
- Deloitte
- Infosys
- KPMG
- · PwC
- TCS

Global Technology Partners

- Adobe
- Autodesk
 Microsoft
 - NVIDIA
 - Salesforce
- Cisco
- Dell

Apple

- IBM
- SAS

• SAP

• Trimble

Infrastructure Partners

- Amazon Web Services
- · Google
- IBM
- Microsoft Azure
- · SAP

VISION

GIS CREATING THE WORLD. YOU WANT TO SEE

What Kind of World Do You Want to See?

Healthy

Equitable

Prosperous

Peaceful

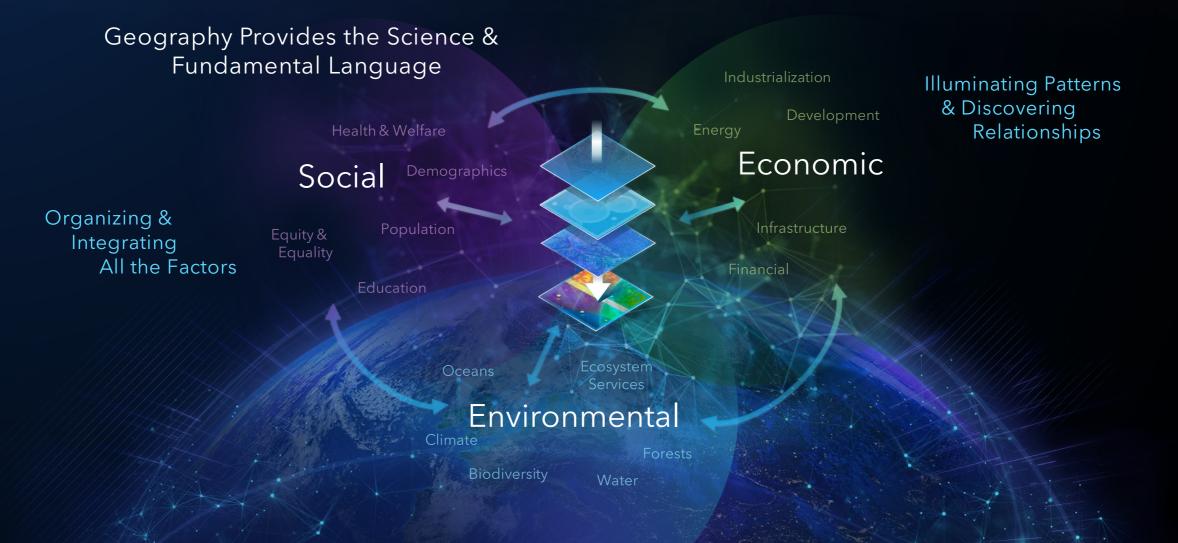
In Balance with Nature

Secure

Sustainable

Sustainability Starts with Geography . . .

Seeing the World as One Single Ecosystem



Geography ... and The Geographic Approach

Provide a Way of Thinking and Problem-Solving That Integrates Geographic Information & Science



GIS Enables The Geographic Approach

A Powerful Platform for . . .

- Creating Understanding ...
 - Exploring Alternatives . . .
 - Finding Solutions . .
 - Explaining . . .
 - ...and Taking Action

Data Collection

Visualization & Mapping

Analysis & Modeling

Planning & Geodesign

Decision-Making

Action

Improving How We Create the Future

GIS Technology Is Advancing Rapidly Integrating and Leveraging Many Innovations



loT



GIS Apps Are Becoming Pervasive

Opening Access to GIS

... And Dramatically Expanding Its Reach



Infographics

Distributed GIS Is Interconnecting Your Work

Creating a Platform for Shared Understanding & Collaboration

A Nervous System



GIS Technology Is Already Contributing . . . To a More Sustainable World

Your Work Provides the Evidence . . .

Urban Planning

Organizing Communities

Addressing Homelessness Siting Renewable I

Conservation Planning

Habitat Restoration

Prioritizing Investment
Planning for Sustainability
Finding Equitable Outcomes

Supply Chain Optimization

Community Planning

Environmental Monitoring and Assessment

Resource Management

Increasing Efficiency

Conservation Planning

You Are Expanding the GIS Profession Rapidly

But Much More Is Required . . .

GIS Professionals

Have an Important Role to Play in Creating a Sustainable World . . .

Understanding the Situation We Are in and Explaining It to Others

> Determining What's Needed and Wanted

> > **Creating Holistic Solutions**

GEOGRAPHIC APPROACH

Making Sustainability a Priority

Leveraging the Latest Science and Technology

Maintaining Public Trust

Creating the World You Want to See Requires GIS, the Geographic Approach, and You

010





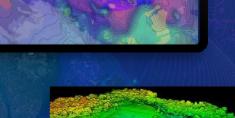
ArcGIS

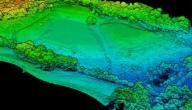
Creating Useful Technology Helping Our Users to Be Successful

Products

Education

Support





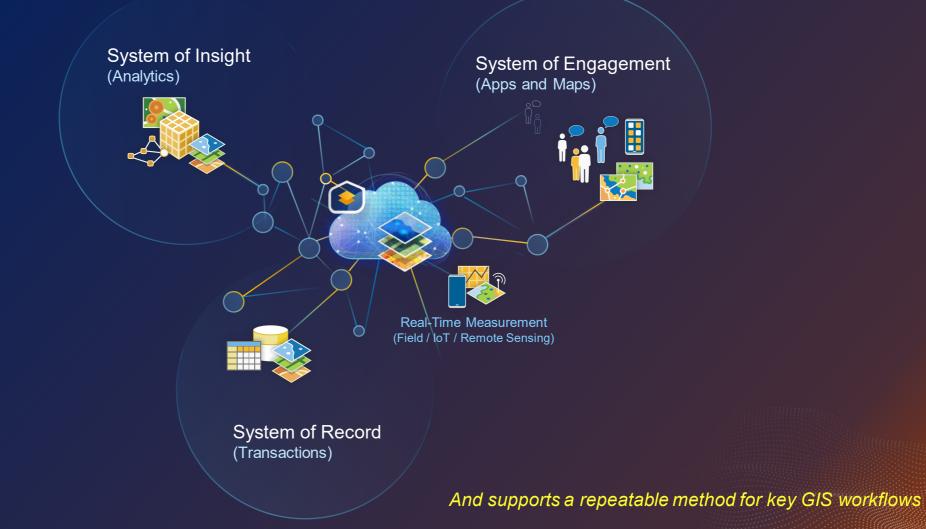
ArcGIS

A Comprehensive Geospatial System –

Supporting Multiple Communities

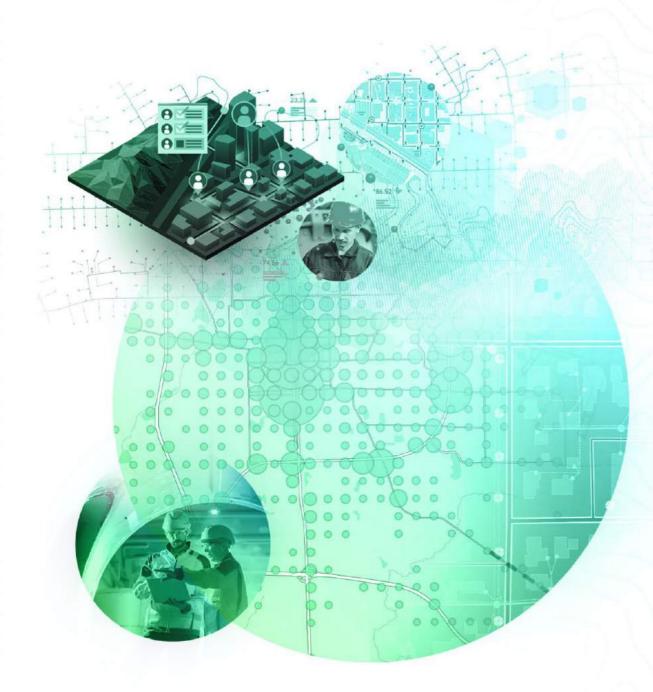


ArcGIS Supports Three Fundamental Systems



Common Patterns of ArcGIS Use | Supporting the MSP Process





Capabilities



Mapping





Field Operations

Spatial Analysis & Data Science



Imagery & Remote

Sensing

Real-Time Analytics



Data Management



Visualization &



APIs



3D Visualization & Analytics





Products



ArcGIS Enterprise

The foundational software system for GIS, powering mapping and visualization, analytics, and data management across your organization

ArcGIS Pro

The world's leading GIS software, ArcGIS Pro provides data visualization, advanced analysis, and authoritative data maintenance in 2D, 3D, and 4D.

ArcGIS Platform

A platform-as-a-service for developers to integrate marketleading, high-quality location services, data, and mapping tools into apps and business systems.

ArcGIS Online

A cloud-based software-as-a-service solution designed for creating and sharing interactive web maps and performing geospatial analysis.

ArcGIS Supports Many Implementation Patterns



ArcGIS

Integrates and Manages All Types of Data



ArcGIS

Is a Content Sharing & Collaboration Platform Organizing & Providing Access to Geographic Content

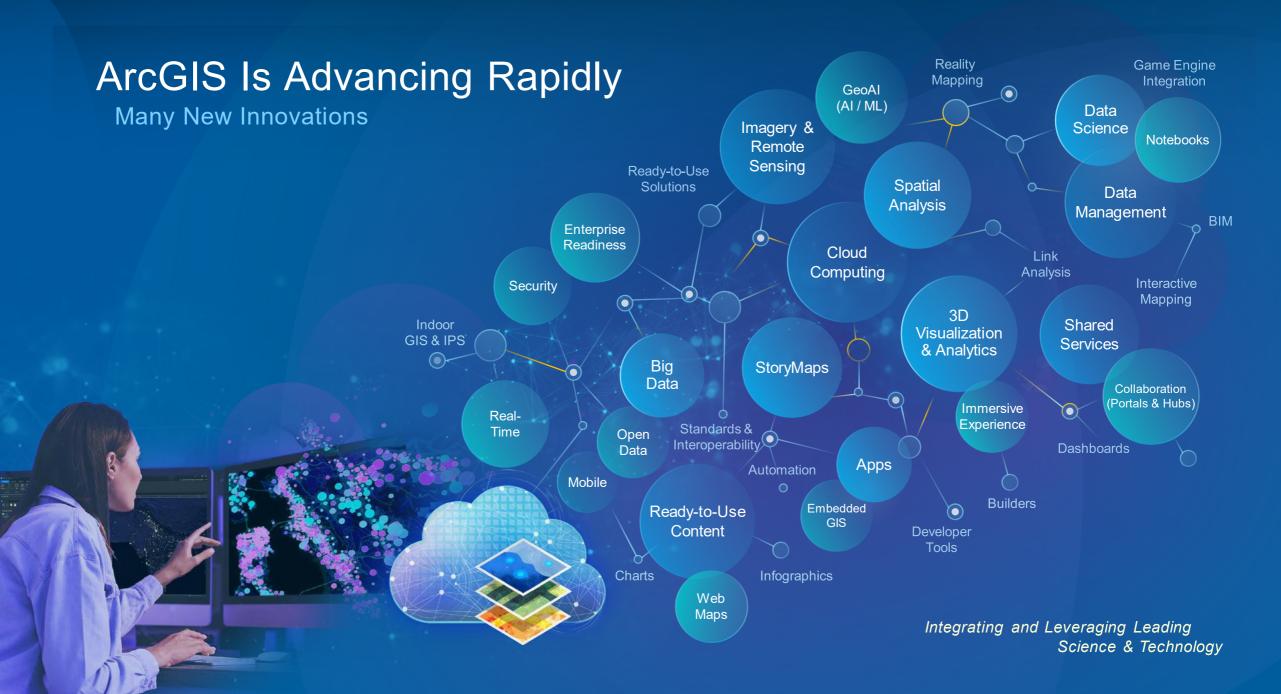


Private Sharing

Digital Library of Maps & Data

ArcGIS Is an Enterprise System





ArcGIS Includes the Living Atlas of the World

Ready-to-Use Basemaps & Layers

Billions of Maps Served Daily

Demographics Habitats Landscape Basemaps Land Cover Infrastructure Hydro Movement Infrastructure Hydro Movement Imagery Traffic ^{Business} Biodiversity POI Boundaries Elevation Weather Oceans Soils Hazards



Massive . . .

new Global

Rapidly Growing . . .

Curated . . .

- 10,000+ Items
- Maps, Layers and Apps
- Authoritative
- Ready-to-Use
- Updated Continually

- 3D Basemaps & Layers
- Land Use (2017–2021)
- Places (POIs) Layers
- OpenStreetMap Layers
- Analysis-Ready Imagery
- Climate Layers
- World Pop. 2000-2020
- Air Quality
- Premium Location Services

new

US

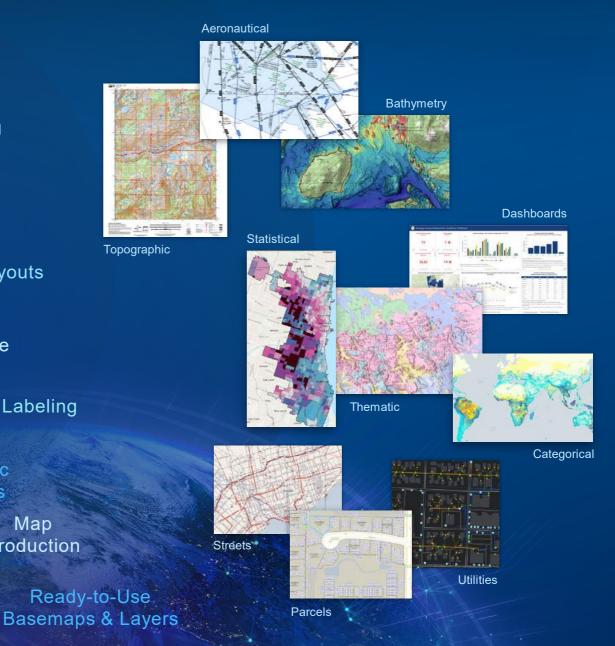
- Hydrology (NHDPlus)
- Census ACS (2017–2021)
- DOT National Addresses
- FCC Broadband Data
- NAIP Imagery (2021)

Built from Best Available Commercial and Community Sources

ArcGIS

A Complete Mapping & Cartographic System





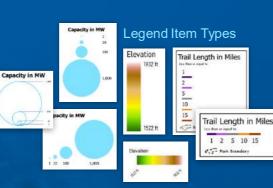
Advancing Cartographic Science & Map Visualization

Mapping & Cartography

Enhanced Layout, Symbology, Labeling & Generalization

ArcGIS Pro







Feature Drawing Order



- Duplicate & Resize Layouts
- Legend Item Types
- Scale-Based Label Sizing
- Animated Symbology
- Import Symbol Layers
- Polygon Fill Angle Alignment
- Feature Drawing Order
- Time-Enabled Scene Layers
- Adobe Support
- Hydro Generalization
- Performance



Hydro Generalization





Time-Enabled Scene Layers

Making the Creation of Beautiful Maps Easier

Interactive Web Mapping

Smart and Fast Data-Driven Visualization



Legend & Type Grouping



Wurman Dots (Coming)

 1888

Thematic Mapping

Multidimensional Imagery

Time Slider

Smart Mapping



L. L.

Infographics



S AT RISK POPULATION PROFILE

New & Improved

Geori =

- Improved Symbology
 & Graphics
- Images as Symbols
- Large Dataset Support
- Group Layers
- More Clustering & Binning
- Strategic Layers
- Performance

Leveraging the Power of the Browser

Instant Apps Templates That Transform Web Maps into Apps

Templates

- 3D Viewer
- Atlas (Beta)
- Attachment Viewer
- Basic
- Category Gallery
- Chart Viewer
- Countdown
- Exhibit
- Imagery Viewer
- Insets
- Interactive Legend
- Media Map
- Nearby
- Portfolio
- Public Notification
- Sidebar
- Slider
- Zone Lookup

Easy to Configure and Use



Instant Apps Gallery

& Guidance





Slider







Media Map



Sidebar



Coming

- Observer
- Reporter
- Manager

new

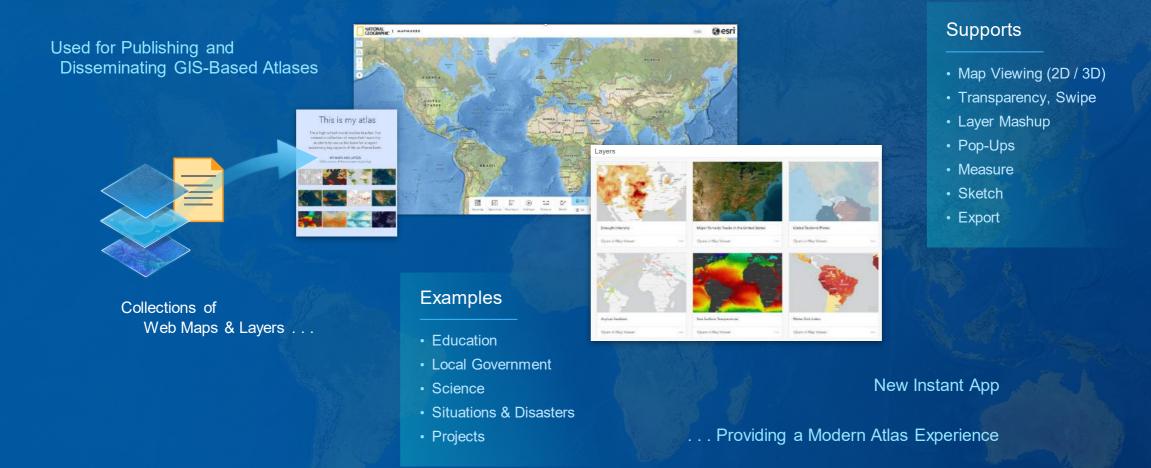
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Atlas



Atlas Creates an Interactive Web Experience

Based on a Collection of Curated Maps and Layers



Creating New Forms of Understanding

new

Storytelling with Maps

Communicating Geographic Knowledge Widely

ArcGIS StoryMaps

Simple Map Editing & Markup

New & Improved

- Mapping
- Undo / Redo
- Collaboration
- Collections
- Automation (Python)
- Text & Image Editor
- Accessibility

Coming

- More Templates
- Tables
- Theme & Text Enhancements
- E-magazine
- Briefings (Beta)



new

StoryScape

Community-based conservation

E-magazine

Briefings (Coming Soon)

Leveraging the Language of Mapping

Common Uses

- Sharing Maps & Reports
- Public Engagement
- Presentations
- Education



Collections—Groups of Stories



Millions of Stories Published

Dashboards Dynamic Visual Reporting

- Easy to Configure
- Ready-to-Use
- Interactive
- Highly Scalable
- Embeddable







Monitor Status



New & Improved

- Mobile Support
- Accessibility
- Interactive Selection
- Arcade Editor
- Download CSV

Coming

- 3D Scenes
- Multilanguage
- Attribute Editing
- Templates
- Automation
- Additional Accessibility

Providing Relevant & Timely Information at a Glance

Smart Mapping for Microsoft 365 Users

Helping Them See Their Data in Its Spatial Context





No Code / Low Code

Configurable Components

Configurable Apps

Bringing ArcGIS Mapping to Knowledge Workers Worldwide

ArcGIS A Comprehensive Spatial Analytics System

Powerful Capabilities

Data Engineering Vector Analytics Spatiotemporal **Statistics**

AI, ML

& DL

GeoAl

Big Data

Network Analysis

3D

Analysis

Mapping

Graph

Analytics

Python Scripting

Image & Raster

Analytics

Real-Time

Advanced

Modeling

Statistical

Modeling



Thousands of Tools . . . Empowering Analysts & Data Scientists

Spatial Analysis and Data Science

Many New Tools & Methods



New & Improved

- 60+ New Tools
- · GeoAl Models
- Analysis in Map Viewer
- Time Series Forecasting
- Predictive Modeling
- Multivariable Index
- · Pie and Donut Charts
- Big Data Tools
- Quality, Performance & Productivity

Coming

- ModelBuilder on the Web
- Spatial Algorithms

Engine (Spark)

Enabling Insights Supporting Decision-Making

Integrating AI Into Analytics – GeoAI

Ready-to-Use Tools & Models for Feature Extraction & Predictive Analytics



Pretrained GeoAl Models

Included with ArcGIS

- Cars
- License Plate Blurring
- Parking Lots
- Parking Spots Humans
- Crowd Counting
- Face Blurring
- Land Cover
- Buildings
- Roads
- Parcels
- Aq Fields
- Swimming Pools
- Well Pads
- Power Lines
- Transmission Towers
- Insulator Defects
- Wind Turbines
- Solar Arrays
- Solar Panels

Ships

- Shipwrecks
- Oil Spills
- Cloud Masking Water Bodies
- Pavement Cracks
- Arctic Seals
- Elephants
- Seabirds
- Mangroves
- Palm Trees
- Trees
- Plant Leaf Disease
- Common Object Detection
- Text Parsing from Photo
- Object Tracking
- Segment Anything Model (SAM)

... and Many More



Conservation

Transportation

Commercial Business

National Security

Utilities





Road Extraction (Global)

Cloud Mask Generation

Wind Turbine Detection

17-00







Land-Cover Classification

Solar Park Classification

Parking Spot Detection

Public Safety Natural Resources

Insurance

Building Footprints

Real-Time Visualization and Analytics

Integrating Sensors & IoT with ArcGIS



Link Analysis and Visualization

Integrating Knowledge Graphs (Entity–Relationship Networks)



Spatial Data Exploration Interactive Visual Analytics

ArcGIS Insights

Connects & Works with All Types of Enterprise Data





Advanced Analysis Reports & Visualizations

New & Improved

- Analytics
- Smart Mapping & Charting
- Report Designer
- Data Engineering
- Data Connections





Statistics Data Access

Shareable Interactive Visualization

Data Engineering



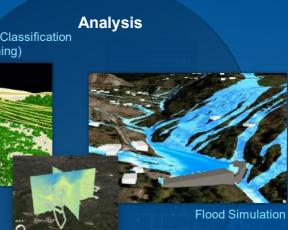


A Platform for Living Digital Twins

3D Capabilities Are Advancing Across ArcGIS



Authoring Voxel Layers



3D Interpolation (Voxels)



Game Engine Integration (Unity, Unreal)



New & Improved

- 3D Basemap
- Animated Symbols
- Line of Sight
- Visual & Weather Effects
- Floor Awareness
- GeoJSON Support
- Clip & Ship
- Voxel Layers on the Web
- Game Engines (Maps SDK)
- Heat Maps

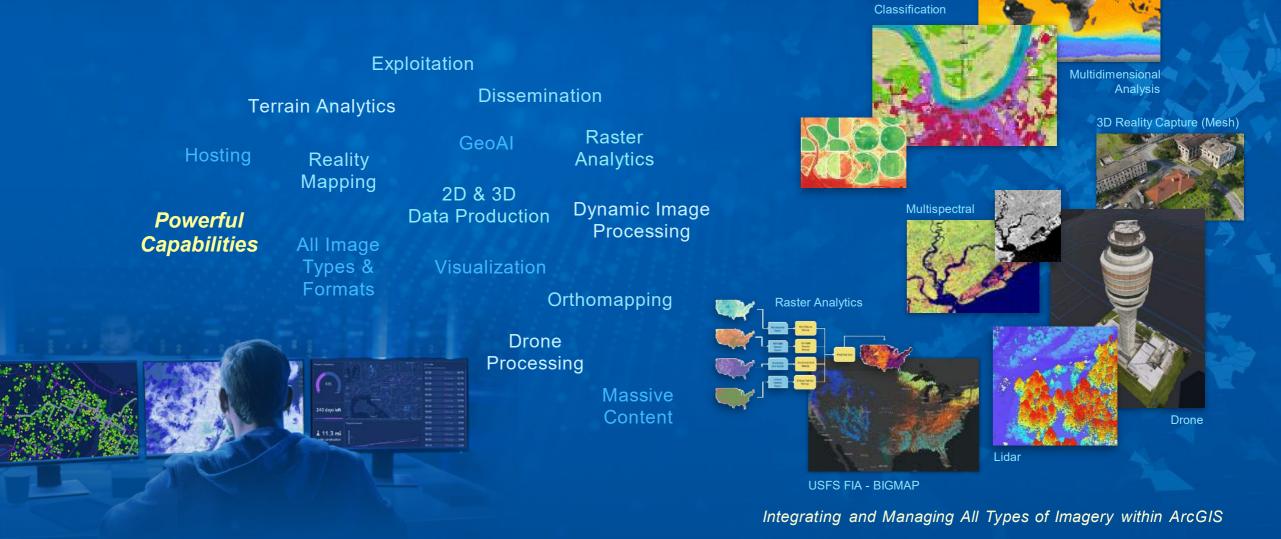
Coming

- Flood Simulation
- Transportation Analysis
- Improved Web Editing
- 3D Tiles

A Foundation for Living Digital Twins

ArcGIS

A Comprehensive Imagery and Remote Sensing System



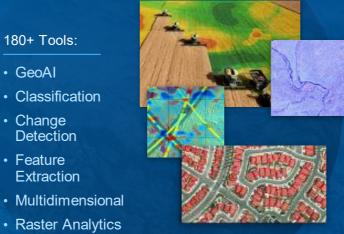
Imagery Capabilities

Reality Mapping



Rich Content

Analysis



Data Management

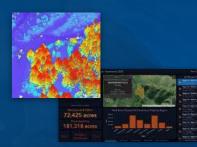
• All Formats & Types

- Cached, Tiled & Dynamic
- Open Standards (STAC)
- Massively Scalable
- Highly Performant

Visualization



- Map & Image Space
- Oriented Imagery
- Stereo
- Video







Excalibur



Transforming Imagery into Useful Information

120+ Imagery Layers:

- World Imagery
- Landsat
- Sentinel (1, 2 & 5P)
- NAIP
- ArcGIS Living Atlas
 - ... & Multiple Content Providers



180+ Tools:

Classification

GeoAl

• Change Detection

• Feature Extraction

DSM & DTM

& Satellite

- True Ortho
- 3D Mesh & Point Cloud

Reality Mapping

Creating Accurate 3D Representations

Any Scale & Extent

new

ArcGIS Reality

- Pro Extension
- Studio App
- Drone Mapping Apps

Outputs

- 3D Meshes
- True Orthos
- Orthomosaics
- Digital Surface Models
- Point Clouds
- Moving Object Removal

Coming

- Satellite Support
- Distributed Processing

Data Courtesy of Bluesky International



Fast and Massively Scalable . . . Modernizing Photogrammetry and Map Production

Drone Reality Mapping

End-to-End Apps (SaaS & Desktop)

Supporting Planning, Collecting and Processing of Drone Imagery

Contours

Monitor Vegetation

Site Scan Drone2Map

Model the Environment

Elevation Model

Outputs

- 3D Point Clouds
- 3D Meshes
- Elevation Models
- True Orthos
- Multispectral & Thermal
- Contours
- Tiled Imagery Layers
- Oriented Imagery Catalogs

Terrain Following

3D Mesh Mission Planning Flight App



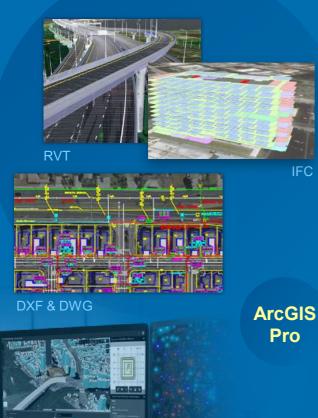
Point Cloud

Powered by Reality Engine

ArcGIS

Provides a Platform to Integrate CAD & BIM Bringing Together Multiple Communities & Workflows

Access CAD & BIM Data



Integrating ArcGIS with Autodesk Documents



GeoBIM

ArcGIS Online & Enterprise Autodesk Construction Cloud Strategic Partnership with Autodesk

Map 3D

InfraWorks

ArcGIS Online &

Enterprise

Access ArcGIS

AutoCAD

Civil 3D

from Autodesk Apps

Enriching GIS . . .

... and Supporting the Design, Build and Management Life Cycle

ArcGIS **Supports Enterprise Field Operations**

Synchronizing **Office & Field Activities**

Dashboards

Field Maps (Map Centric)

> Includes Task Management & Navigation . . .

Mobile Data Collection **Enterprise Data Access**

Survey123 (Form Centric)

ocal Nest ID#

Station Location

Connected & Disconnected

QuickCapture



New & Improved

- Location Sharing
- Al Assistants
- Sensor Support
- Security (Smart Cards)
- Geofencing / Alerts
- Calculations (Arcade)
- Windows 11 Support
- Multilingual Forms

Transforming Mobile Workflows Connecting Field Workers to the Enterprise . . .

ArcGIS Provides Enterprise Geospatial Data Management



Editing Enhancements

- Nonversioned Editing
- 3D Features & Meshes
- COGO & Alignment Tools
- Linear Referencing

Calculate field

- QA / QC Tools
- Web Editing App (Coming)



Major Focus on Performance,

Scalability and Quality

Create Boston, For

Feature lave

Geodatabase Advancements





Data Pipelines

new

- Improved UI / UX
- New Tools
- Data Integration App (ArcGIS Online) Transforms Data into Features

Public URL

ArcGIS Is Open and Interoperable



Supporting FAIR Data Principles (Findable, Accessible, Interoperable, Reusable)

> Supporting and Leveraging Multiple Open Initiatives

ArcGIS Products



ArcGIS Pro Professional Desktop GIS



Advanced Mapping, Visualization, Editing and Analysis

New & Improved

- Cartographic Tools
- Feature Drawing Order
- Geoprocessing Tools
- ModelBuilder Enhancements
- Knowledge Graphs
- Catalog Layers
- Magnifier Window
- Data Engineering
- Performance & Productivity

Web &

ield Apps

Coming (Q4)

- 3D Tiles
- · Save Projects in Portal
- Undo on Nonversioned Data
- Schema Reporting
- Presentations
- Thematic Map Series
- Flood Simulation Modeling

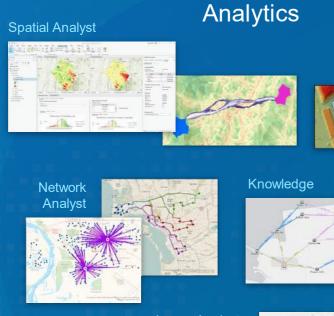
Tightly Coupled with Online & Enterprise

Supporting Individuals, Teams and Enterprise Organizations

ArcGIS Pro Extensions Integrating Focused Capabilities

3D Analyst

Many Improvements and Innovations











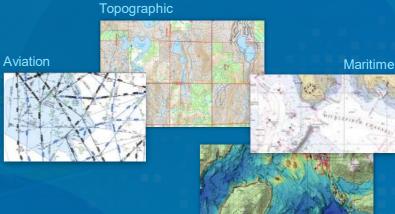








Production Mapping & Charting



Data Management



Reality



Bathymetry

3D Mesh

Data Courtesy of Aerometres

ArcGIS Enterprise GIS Infrastructure for an Organization



New & Improved

- Map Viewer
- Apps (Dashboards, StoryMaps, Instant Apps, ...)
- Distributed Collaboration (Two-Way Sync)
- GeoPackage Export
- Webhooks
- ArcGIS Monitor
- Cloud Data Warehouses
- Security

Coming

- Video Server
- OIDC & SAML Enhancements
- Knowledge Web App
- Enhanced Editing App
- Kubernetes Enhancements
- Knowledge Server
- Workflow Manager

Extensions

Image Server

Production Mapping

ArcGIS Online GIS as SaaS

3D Visualization



Raster Analytics

Image Hosting &

Map Viewer



Analysis

ArcGIS Online & Extensions

Growing Rapidly (30%+)

- 3 Million+ Users
- 60 Million+ Items
- 14 Million+ Feature Layers

New & Improved (June)

- Map Viewer
- 3D Scene Viewer
- Instant Apps
- Analysis in Map Viewer
- Data Management
- Improved Administration
- Editing Related Records
- Image Hosting
- Raster Analytics
- Data Pipelines Beta

Coming

- Restore Items
- Enhanced Editing
- Advanced Item Monitoring
- Item Relationships
- Multilingual Web Applications
- FedRAMP Moderate 2023
- ISO 27001

HubVelocity

Extensions

- Image (Hosted Imagery)
- Premium Feature Data Store
- Workflow Manager

Advanced Visualization

ArcGIS Hub Supports Community Engagement and Collaboration

Organizing Initiatives, Teams & Activities

Projects &

Initiatives



Provides **Open Data** Organizes Teams, Volunteers & Communities

> Creates Engagement

Coming

- Idea Boards
- Site Versioning
- Detailed Site Metrics

New & Improved

• Map-Based Surveys

Location-Aware Discussions

Community Data Uploads

Geographic Search Filter

Over 50 Thousand Deployments



Tree Initiative



Contra Costa County





The Nature Conservancy

Bringing Together Governments, People & Organizations

Tucson, AZ

ArcGIS Solutions Ready-to-Use ArcGIS Configurations

Preconfigured

Extensive (150+)

Easy to DeployFully Supported

Included with ArcGIS

Tools Data Models Apps Workflows Maps Add-Ins Dashboards





Health & Human Services





Emergency Management & Public Safety



Defense & Security

Industries

- Local Government
- Land Records
- Public Works
- Emergency Management
- Utilities / Network Management
- Planning and Development
- Natural Resources
- Transportation
- Defense
- Public Safety
- Telecommunications
- Conservation
- Elections
- Health & Human Services

. Helping Organizations Quickly Realize Value

ArcGIS Focused Products

Supporting Industry Workflows



Mission Planning &

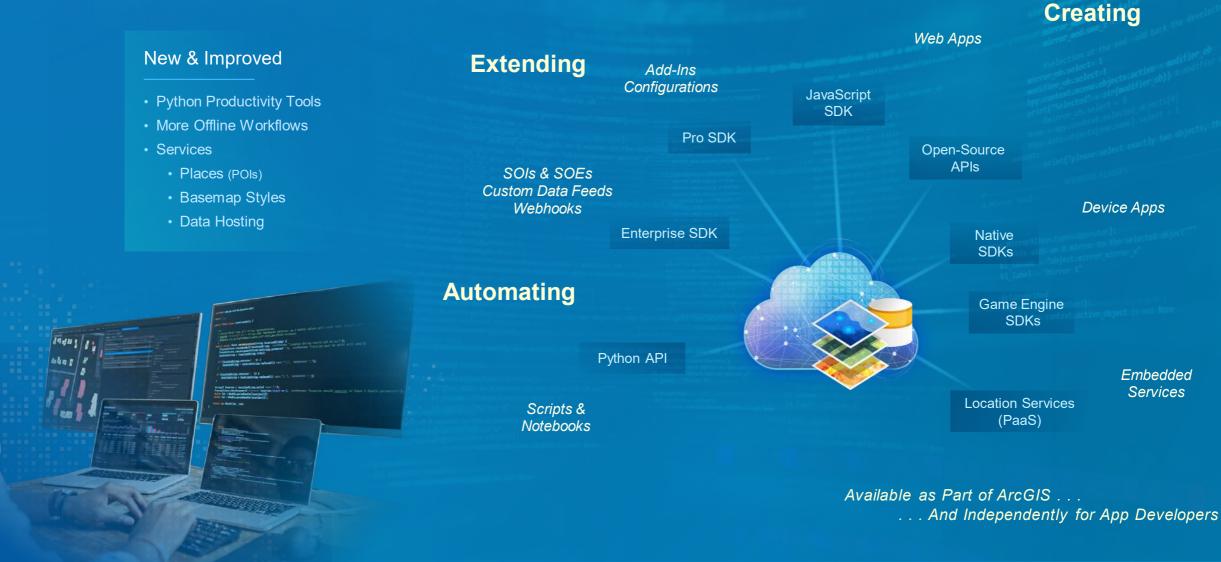
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ArcGIS Developer

APIs and SDKs for Automating, Extending & Creating Apps



ArcGIS Maps SDK for JavaScript

Enabling Powerful and High-Performance Web Apps



Client-Side Analysis



Data-Driven Visualization

2D & 3D Heat Map

Pie Charts

Leveraging Modern Browser Technology



Services

Esri Services is a global network of GIS experts who provide support, training and consulting, to maximize the impact of location intelligence in your mission.



Services

Available through flexible engagements

Support

Access expert troubleshooting and established solutions to resolve technical issues, improve efficiency, and learn best practices.

Training

Equip individuals and teams with the GIS and Esri technology skills they need to efficiently perform workflows and deliver location intelligence.

Consulting

Gain real-world knowledge and best practices from subject matter experts, teaming together to develop and deploy technologies and strategies.

PROFESSIONAL DEVELOPMENT

COMPREHENSIVE SKILLS TRAINING

Technical Certification

> Instructor-Led Courses

650K+ User Trainings

> Web Courses

Tutorials

MOOCs

Progressive Learning

Programs

100s of Free Courses Learning Plans



New MOOCs

Workforce

Development

TRANSFORM AEC

PROJECTS

with GIS and BIM

Helping Users Stay Current and Grow Their Careers

SUPPORTING USERS

Esri Press

Webinars

User Groups Esri Community

Blogs ArcNews

Personal Use License

Technical Support

NGO / NPO Program

Documentation & Web Resources

ArcUser

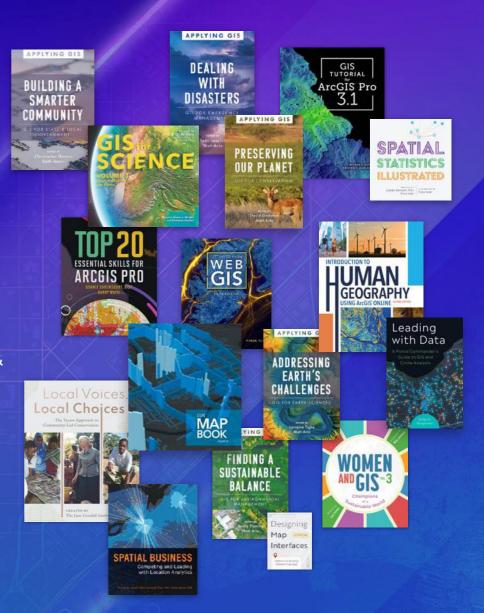
User Conference

Young Professionals Network

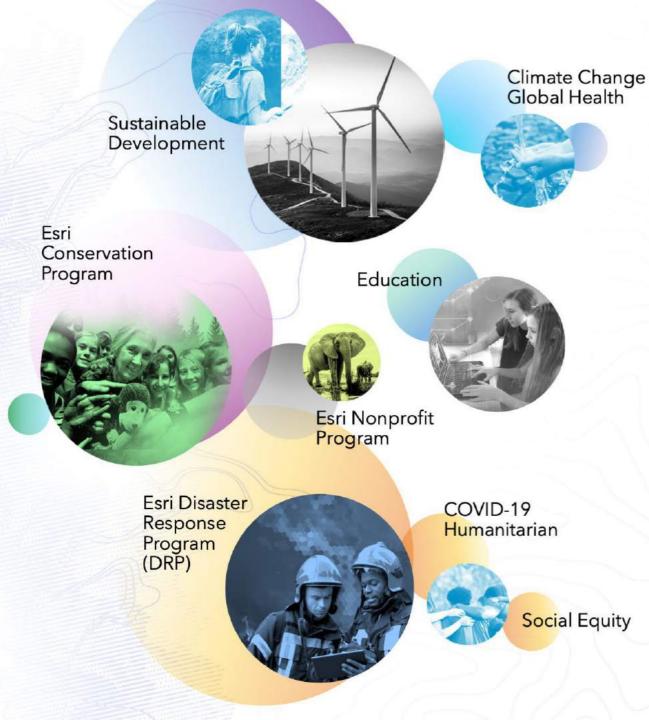
Podcasts

Professional Services

GIS Day November 15, 2023



Sharing Best Practices and Supporting the GIS Community



Social Impact at Esri

We are committed to helping organizations maximize their impact for people, planet, prosperity, and peace. Our special programs and initiatives are designed to help our users apply GIS for good around the world.

DISASTER RESPONSE

0.08.08

Supporting Users Globally in Times of Crisis

HOT

MapAction

Helping Thousands of

Organizations Respond



Partnered with Users

GISCorps American

Red Cross

Esri Partners

FEMA



Mobilizing & Coordinating Resources Across Esri

E. S. RES

Helping Students &

Acquire Geospatial Literacy and Develop GIS Skills

EDUCATION **Building the Next Generation**

SKILLS & KNOWLEDGE



Schools Program

GeoInquiries

CTE

Free ArcGIS Online

New Lessons & Tutorials

GeoMentors

Teachers Everywhere

NATIONAL GEOGRAPHIC

Partnering with the National Geographic Society

Higher Ed Program

ArcGIS for Institutions, Departments and Students

CONSERVATION Understanding & Protecting Nature

Supporting 7,000+ Organizations

Esri Maritime Modernization Program

- Hydrographic offices from UN designated Least Developed Countries (LDCs) and Small-Island Developing States (SIDS)*
- Estimated 70 80 countries

- A full list and map of eligible countries is available on the program landing page:
- (www.esri.com/en-us/lg/industry/government/maritimemodernization-program)



SPECIAL RELATIONSHIPS

ENRICHING OUR USER COMMUNITY

JANE GOODALL INSTITUTE UNICEF HALO TRUST WORLD WILDLIFE FUND GICHD AFRICAN PEOPLE AND WILDLIFE NATIONAL TRUST FOR HISTORIC PRESERVATION BILL & MELINDA GATES FOUNDATION WORLD FOOD PROGRAMME NAACP NATIONAL AUDUBON SOCIETY AMERICAN RED CROSS OPEN SPACE INSTITUTE CIESIN PATAGONIA GOVERNMENT ALLIANCE ON RACE AND EQUITY (GARE) W.K. KELLOGG FOUNDATION USAID IOM NATURESERVE WATERKEEPER ALLIANCE IUCN WINROCK INTERNATIONAL UNEP SUSTAINABLE DEVELOPMENT SOLUTIONS NETWORK

PARTNERSHIP FOR A NATIONAL TRAILS SYSTEM

NATIONAL CENTER FOR MISSING AND EXPLOITED CHILDREN (NCMEC) AFRICAN PARKS INTER-AMERICAN DEVELOPMENT BANK AMERICAN CANCER SOCIETY FEEDING AMERICA WORLD HEALTH ORGANIZATION SURFRIDER FOUNDATION FIELD MUSEUM AMERICAN PRAIRIE RESERVE E.O. WILSON BIODIVERSITY FOUNDATION UN GGIM DIRECT RELIEF CONSERVATION INTERNATIONAL WORLD VISION WORLD BANK NETHOPE TEAM RUBICON THE NATURE CONSERVANCY THE HENRY FORD INSARAG WORLD RESOURCES INSTITUTE UNHCR UNOSAT ONE TREE PLANTED NATIONAL GEOGRAPHIC SOCIETY YMCA OF THE USA DEMOCRACY LABS UN-HABITAT UN PEACE OPERATIONS WOODWELL CLIMATE RESEARCH CENTER TRUST FOR PUBLIC LANDS CATHOLIC RELIEF SERVICES LINCOLN INSTITUTE CGIAR TOMPKINS CONSERVATION UNIDOSUS AFRICAN WILDLIFE FOUNDATION

FAO

HABITAT FOR HUMANITY



NGO / NPO Programs

.. SUPPORTING THOUSANDS OF ORGANIZATIONS

