

# Big Ideas

## Vision

**Nervous Systems** Intelligent | Digital Geospatial | Global

**Geospatial Infrastructure** GIS at Scale Extending GIS to the Edge

## A Common Language

ArcGIS Location analytics Mapping Developers

## **Geo-Enabled Systems**

Urban Indoors Hub **Business Analyst** Mission

## Capabilities

Living Atlas

World's Largest Map Collection

**Dynamic & Data-Driven Mapping** StoryMaps **Location Tracking** 3D & BIM

Spatial Analysis & Data Science **Hosted Python Notebooks** 

**Imagery Exploitation** 

AI, ML and Deep Learning

Learning And Much More ...

## **Serving Our Users**

The Geospatial Revolution ... is just beginning, Your work is ...Part of Something much larger...



## Map of Biodiversity Importance

- Collaborative science and Jupyter Notebooks
- Microsoft AI for Earth
- Random forest modeling
- Intelligent nervous system for biodiversity conservation

## Pasadena

## **Everyday Ingenuity**

- Intelligent city
- Geospatial infrastructure
- Operations Dashboard for ArcGIS Insights for ArcGIS
- Tracker for ArcGIS
- QuickCapture for ArcGIS

ArcGIS Urban





- Community engagement Collaboration with ArcGIS Hub
- Stadshagen to #SensHagen
- Natte Voeten Sensor
- (Wet Feet Sensor)

who protect us.

Giving system

administrators and IT professionals the

## The 2020 Census-

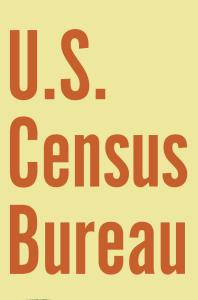
- **Mobilizing Everyone** Geospatial foundation
- Address canvassing
- 350,000 Census Takers
- ECaSE Enumeration application
- (ArcGIS Runtime) Partnerships

Count everyone once,

only once, and

in the right place.

census.gov/roam



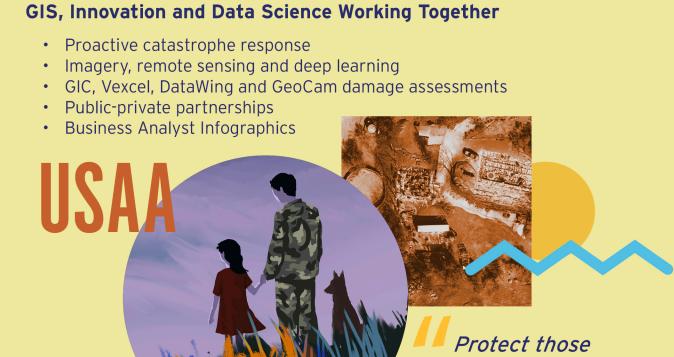


Creating the ultimate workplace experience.

## ExxonMobil

#### **Building the Indoor Digital Ecosystem**

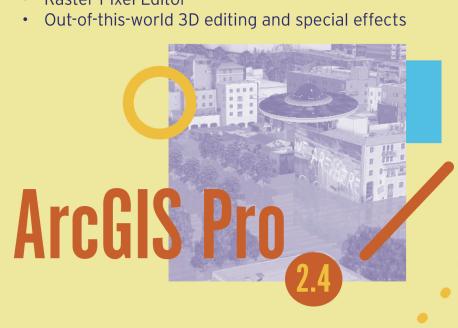
- ArcGIS Indoors
- For residents, technicians, visitors and executives
- Increasing efficiency and space utilization through sociophysics





## **New Features**

- Stylize your own vector tile basemaps
- New dynamic feature binning and charts Geoprocessing history to ModelBuilder
- Raster Pixel Editor



# ArcGIS - Parcel Fabric



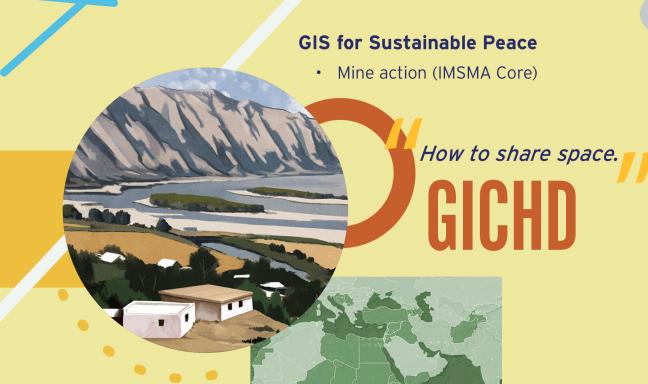
## Parcel Fabric and Editing

- Data model, tools and workflows Efficient and scalable
- Automatic COGO measurements



## **Enterprise Asset Management at Scale**

- Linear referencing systems
- Real-time sensors
- BIM
- Portals, training and standards



**Storytelling for Everyone** 

Mobile first

Interactive and accessible

Immersive communication

### The Differences We Share-Effecting Change in Northern Ireland

- Shared Education Project and GeoMentors
- Survey123 and Insights driving curiosity

## Lurgan Schools

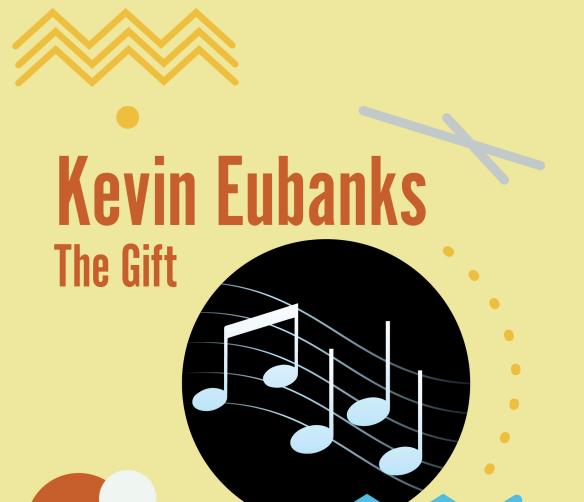
The freedom to dig deeper



There is more that unites than divides us.

tools they need to be informed, efficient, and successful.

**Monitoring your** geospatial infrastructure





#### **Managing and Restoring Protected Areas in Africa**

- Law enforcement
- Biodiversity conservation Management infrastructure
- Community engagement Tourism enterprise



of Biodiversity Conservation at a Global Scale

> A Conversation with Jane Goodall, E.O. Wilson and Jack Dangermond