GEOSPATIAL WORLD FORUM
15-19 January, 2018, Hyderabad, India

ONE GLOBAL PLATFORM – FOUR KEY EVENTS!

**GEOBUIZ SUMMIT**
15-16 January, 2018

**AI & IOT SUMMIT**
18-19 January, 2018

**GEO4SDGs**
Addressing Agenda 2030
18-19 January, 2018

**LOCATION WORLD**
18-19 January, 2018

CLICK HERE TO KNOW MORE
GIS Enabling Smart Cities & More Efficient Transportation

Nick Land
Esri Inc.
What is a Smart City?

A smart city uses information and communications technology (ICT) to enhance its livability, workability and sustainability. In simplest terms, there are three parts to that job: collecting, communicating and “crunching.” First, a smart city collects information about itself through sensors, other devices and existing systems. Next, it communicates that data using wired or wireless networks. Third, it “crunches” (analyzes) that data to understand what’s happening now and what’s likely to happen next.
GIS as a Platform
Enabling Smart Cities

Available in the Cloud . . .
. . . and On-Premises

Simple
Integrated
Open
Web GIS Integrates All Data Types
With Web Maps and Web Services

- Imagery
- Services
- Maps
- Enterprise Data
- Social Media
- Sensor Networks
- Big Data

Providing a New Medium for GIS
Web GIS Dynamically Integrates Information
Combining and Analyzing Information

Visual Overlay

Spatial Analysis

Mashup

Modeling

Helping to Discover and Understand Relationships . . .
Making the Platform Pervasive

Supporting Common Tasks
- Collection / Editing
- Viewing
- Mapping
- Analysis
- Awareness
- Communication

* Offline Use

New

... A Core Part of the Platform
Web GIS Integrates Organisations and People

Breaking Down the Barriers

Creating New Relationships

... Supporting Innovation, Integration & Collaboration
The Platform Supports Two Communities

- Geocentric workflow and location enablement
- GIS
- Simple/Easy Apps
  Integrated with Enterprise Content
- Location Platform
  - Mapping
  - Analytics
  - Developer

... Geocentric workflow and location enablement
Good transportation systems that are efficient, environmentally friendly, and move people quickly, comfortably and affordably to their destinations.
Population Density

London

New York

Tokyo

In mid-2007 it was estimated that London's population was 7.56 million (up 44,000 on the previous year). Of these, 3 million lived in inner and central London and 4.56 million in the outer boroughs,” states The Mayor's London Plan. When viewing the entire London area including the outer boroughs, one can clearly see the concentration around the city center.

Census data reveals that population density varies noticeably from area to area. Small area census data do a better job depicting how where the crowded neighborhoods are.

When you imagine people living densely packed, you may think of New York City. But a new report from the Census Bureau shows California is home to the most densely populated metro areas in the United States,” according to KPSS.

That ranking takes the population of the entire metropolitan area, and divides it by the land area of the entire metropolitan area, to provide a summary figure for the metro area (not the city). New York City by itself still leads the nation in terms of population density due to its 8+ million strong residents.

Small area census data reveals that population density varies noticeably from neighborhood to neighborhood, e.g. near Hollywood. Census data reveals that population density varies noticeably from area to area. Small area census data reveals that population density varies noticeably from neighborhood to neighborhood, e.g. near Hollywood.

As one of the world's largest cities, Tokyo's population density shows interesting patterns due to the industrial areas around the bay, historic district just west of there, and areas of population growth nestled in among the mountains nearby.

Census data reveals that population density varies noticeably from area to area. Small area census data do a better job depicting how where the crowded neighborhoods are.

In this map, the yellow areas of highest density range from 30,000 to 150,000 persons per square kilometer. In those areas, if the people were spread out evenly across the area, there would be just 4 to 9 meters between them. Very high density areas range 7,000 persons per square kilometer. High density areas range 2,000 persons per square kilometer.
Traffic

London

New York

Auckland

Stop and Go
Slow
Moderate
Free Flow

Stop and Go
Slow
Moderate
Free Flow

Stop and Go
Slow
Moderate
Free Flow

This map shows the traffic conditions you can expect at this time of day in this city.

This map shows the traffic conditions you can expect at this time of day in this city.

This map shows the traffic conditions you can expect at this time of day in this city.
"Let the Games be about sport, not transport"

London 2012 Olympics: capital braced for travel chaos as Games Lanes open on Heathrow’s busiest day

The capital faces its first major transport challenge of the London 2012 Olympics as athletes begin to arrive and the first Games Lane comes into operation.
London Olympics
Transport for London – GIS was key in “Keeping London Moving & Open for Business”

• One platform for operational planning
• Used by 500 staff
• Static & dynamic data
• Live CCTV images
• Modelling

• Outcome:
  - No athlete or official was late;
  - 95.7% success for spectators.
The Surface Playbook will be an invaluable information tool for operational planning providing a platform to merge multiple Surface systems and show the integration of new and ever-changing information. This step change in ability will be put into place to allow fast, accurate and comprehensive data to be available across all departments.

Use the Featured Maps as a base to start adding layers, or you can create a custom map using the ‘Make a map’ option.

For more detail on data content please click here.
Port of Rotterdam

- Europe’s busiest port
- Gateway to 500 million consumers
- 90,000 workers
Welkom op het POI van het havenbedrijf. Het Port Object Information platform stelt zich tot doel om alle geo-informatie welke gerelateerd is aan de haven beschikbaar te stellen. Via het PortMaps Portal heeft u direct toegang tot de verschillende informatie producten en de PortMaps Viewer.
Easy access to information
Integration with Cyclorama
Bathymetry
Masterplan Scenarios
Integration with Business Systems
Understanding our world.