Emerging Trends in State & Local Government
CATEGORIES OF TRENDS

- Legislative / Social Influencer Trends
- Industry Trends
- Technology / IT Trends
APPLYING TRENDS TO PROBLEM SOLVING

Connecting technology to the things going on around us

Homeless Population Movement - New York City, NY
LEGISLATIVE / SOCIAL INFLUENCERS

Major drivers influencing state and local government priorities

- Infrastructure
- Social Inequities
- Smart
- Civic Engagement
- Mobility

King County needs to spend $400 million a year to solve homeless crisis, new report says
SMART COMMUNITIES

A Livable and Sustainable Community
- Mobility
- Resiliency
- Smart Planning
- Asset Management

A Well Run Community
- Data-Driven Decision Making
- Real-Time Awareness

A Safe Community
- Vision Zero
- Low Crime Rate
- Situational Awareness
- Effective Disaster Response

A Prosperous Community
- Economic Development
- Affordable Housing
- Destination Branding
- Tourism

Healthy Community
- Access to Care
- Homelessness
- Opioid Abuse

Data-Driven Decision Making
Real-Time Awareness
Vision Zero
Low Crime Rate
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Effective Disaster Response
Economic Development
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Access to Care
Homelessness
Opioid Abuse
Mobility
Resiliency
Smart Planning
Asset Management

SMART COMMUNITIES
TECHNOLOGY / IT

• Mobile
• Drones
• BIM Integration
• Civic Engagement
• Sensors
• Dashboards
• Real-Time / IoT
• Augmented Reality
• Artificial Intelligence
• And more
SAVING MONEY WITH DRONES

Onondaga County Water Authority (OCWA) Saves $6,500 per Tank Inspection

- Drone-based solution provided quick turn around
- Largest tanks captured in 20 minutes
- Captured every square inch of the assets
- Data used for risk assessment
City of Johns Creek, Georgia makes their DataHub more accessible via the virtual assistant.
INDUSTRY

Discipline-focused trends

- Modernization
- Public Engagement
- Digital Transformation
- Cross-Collaboration
- The Rise of Data Scientists
- Tech-Savvy Executives
- 3D
INDUSTRY TRENDS APPLIED

3D Modeling & Analytics

Data-driven insights
HOW DO YOU BECOME A GIS HERO?

Be purposeful. Avoid preconceptions. Use these trends and drivers to your advantage.
What role does GIS play in the larger community?
Establishing a holistic view and collecting data across departments allowed leadership to present the problem.
**Tools**

Deployment of tactical solutions that help organizations allocate resources to when and where they're needed most.
EXAMPLE

TACKLING OPIOID ABUSE

A Breakdown

Solving in real-time

Leveraging performance management tools and dashboards in order to see how you are doing and make more real-time decisions.
STRENGTHENING OUR NATION’S INFRASTRUCTURE

A Breakdown

01

Identify crisis
Understanding the state of infrastructure.
Prioritizing investments to maximize resources. Taking into account population shifts, development, traffic patterns, etc.
STRENGTHENING OUR NATION’S INFRASTRUCTURE

A Breakdown

Rethink

Understanding changing lifestyles, demographics, and needs to design infrastructure that emphasizes multi-modal, safety, socioeconomics and resilience.
STRENGTHENING OUR NATION’S INFRASTRUCTURE

A Breakdown

Reimagine

Planning for coming technology to be future-ready, including:
supporting real-time decision making and
leveraging the IoT.
THANK YOU

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Creating a Real-Time Government with GIS

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Responding to the Opioid Crisis with GIS

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Responding to Homelessness in Crisis Mode

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