



**GEODATA
SUMMIT**
March 20-21
Alexandria, VA

“Harnessing GIS Development to Enable Informed Decision-Making”

Speakers Include:



Kevin Hope

*Deputy Director of
Source*

NGA



Ted Okada, SES

CTO

FEMA



Timothy Quinn

Associate CIO

USGS



Pamela K. Isom

*Deputy CIO, Chief
Data Officer*

U.S. Department of
Energy

<p>Program Design & Goal:</p>	<p>The 2019 Geospatial Data Summit brings together members of Commercial Industry, Government Agencies, IC, and Academia for an open dialogue about how the current revolution in GIS is transforming the U.S. economy and government through enhanced data collection from various geospatial sensor platforms. This Summit will focus on the current implementations of various GIS mapping techniques and analytics for the Utility, Government, Transportation & Infrastructure, and Natural Resource industries, that help assist in identifying vulnerabilities; and provide real-time information for optimized production.</p> <p>The goal of this year's Summit is to support the development of geospatial information systems and emerging technology trends such as: spatiotemporal data generation, IoTs, geospatial sensor platforms, wireless networks, and computer capacity. This educational forum will provide the chance to further understand how the integration of advanced geodata technologies has profoundly altered the current data collection capabilities of individuals from all sectors for mission critical purposes, including disaster response, environmental monitoring, and public safety. It is vital that geospatial infrastructure is protected moving forward so that these technologies can continue to provide benefits to the nation for years to come.</p> <p>RSC's team specializes in the extensive research and development of our Summit's content and focus areas, and we will assemble the most respected minds in the community from operational leaders, the R&D Community, key policy-makers, as well as solution providers from Industry and Academia. Our non-partisan approach allows us to reach across all involved organizations bring together a truly holistic group of decision makers and solution providers.</p>
<p>Operating Guidelines:</p>	<p>RSC's Geospatial Data Summit directly supports Commercial Industry & Federal Government priorities by providing a conduit for officials to efficiently reach audiences outside of their respective offices that directly impact their organization's mission success, in an efficient expenditure of time.</p> <p>RSC's Summit will provide a forum to address and improve internal and external initiatives, meet with and hear from partner organizations, disseminate vital capability requirements, increase visibility within the larger community, and generally support the GIS mission.</p> <p>Summit is CLOSED TO PRESS / NO RECORDINGS</p>
<p>General Target Audience:</p>	<p>This educational forum supports professionals from the Commercial Industry, Government Agencies, Academia, and U.S. Technology Solution Providers.</p>
<p>Specific topics to be discussed include:</p>	<ul style="list-style-type: none"> - Delivering effective geospatial mapping platforms across various utilities for improved performance -Developing & maintaining geospatial foundation data, knowledge and analysis to enable NGA interoperability across the spectrum of users - Leveraging the power of Open Source GIS software for improved data accessibility - Revolutionizing modern agriculture through the increased use of GIS technologies and tools -Guiding the integration of GIS technologies across the U.S. in support of national interests -Leveraging geospatial technologies and information to analyze and improve the nation's infrastructure and transportation systems - Providing geospatial engineering and technologies in support of DoD & IC mission sets - Utilizing GIS technologies in support of emergency management - Advancing innovative, new solutions to guide the increased use of geospatial analytics

8:00 - 8:45	Registration and Light Breakfast Reception Open
8:45 - 9:00	*Moderator Opening Remarks* Eddie Pickle (Confirmed) Managing Director of Open Source Programs Radiant Solutions
9:00 - 9:45	*Keynote Remarks* Developing & Maintaining Geospatial Foundation Data, Knowledge and Analysis to Enable NGA Interoperability Across the Spectrum of Users <ul style="list-style-type: none">- Delivering strategic, in-depth analysis of geospatial imagery and information in support of national security and humanitarian relief- Utilizing geospatial sensor platform data to ensure safety of navigation in the air and on the seas for U.S. Military forces- Near term considerations toward using GIS to further integrate shared data to create a common operating picture Kevin Hope (Confirmed) Deputy Director of Source NGA
9:45 - 10:30	*Keynote Remarks* Efforts to Leverage the Power of Open Source GIS Software for Agriculture to Improve Data Accessibility <ul style="list-style-type: none">- Advancing the use of GIS to help the farmer in improving farming practices and conserve natural resources- Facilitating farmer productivity through increased geographical data analysis of soil health and innovative crop science- Future Bayer initiatives to help guide the modern agricultural community in understanding the power of the open source geospatial platform Dr. Steven Ward (Confirmed) Director of Geospatial Sciences Bayer (Formerly Monsanto)
10:30 – 11:00	Network Break
11:00-11:30	FEMA Initiatives Toward Utilizing GIS Technologies in Support of Emergency Management <ul style="list-style-type: none">- Developing industry partnerships to use geospatial platforms and software to assist in disaster-response decision-making- Enabling regional administrators' ability to collaborate with state and local partners to analyze GIS maps and tool- Integrating more efficient and effective hurricane response and recovery through enhanced data sharing Ted Okada, SES (Confirmed) CTO FEMA

11:30 – 12:30	<p>*Agriculture Panel* Revolutionizing Modern Agriculture Through the Increased Use of GIS Technologies and Tools</p> <p><i>The advent of geospatial platforms and information systems has continued to produce vast benefits to the agricultural industry. In recent years, farmers have been able to utilize these tools and gather informative and vital data to enhance their overall missions. This panel will detail some of the ways that GIS have benefited the Natural Resources industry such as: crop forecasting or better soil analysis for maximized plant productivity, or the ability of the farmer to use multispectral imagery from satellites to better visualize their environments. The panel will also feature perspectives from major government agencies involved in the advancing of these geospatial products to the agricultural community.</i></p> <p>Panel Moderator: Dr. Martin Mendez-Costabel (Confirmed) Geospatial Big Data Engineering & Strategy Lead Bayer (Formerly Monsanto)</p> <p>Panelists- Harry Bader (Confirmed) Executive Director, U.S. Global Development Lab USAID</p> <p>Glen Bethel (Confirmed) Remote Sensing Advisor USDA</p> <p>Andy Dearing (Confirmed) CEO Boundless Geo</p> <p>Dr. Helena Mitsova (Confirmed) Associate Director of Geovisualization NC State</p>
12:30-1:30	Lunch Break
1:30-2:15	<p>Revealing the Policy Landscape: Spatial Data and Analytics for Enhanced Decision Making</p> <ul style="list-style-type: none"> - Interpreting the unique spatial aspects of policy sensemaking - Reframing, reconstituting and adopting an enhanced spatial data science approach - Applying strategic geospatial capabilities in support of the policy decision making lifecycle <p>Dr. Stephen Lowe (Confirmed) Visiting Professor of Cyber Strategy, College of Information and Cyberspace NDU</p>
2:15-2:25	<p>Industry Tech Talk – BeamIO</p> <ul style="list-style-type: none"> - As the capabilities of remote sensing systems continue to grow, an ever-increasing number of applications have become possible. In particular, the combination of commercial space and terrestrial sensor platforms have begun to revolutionize the types of data available to solve today’s complex problems. While the opportunity is large, successful use of new information often require the creation of challenging processing workflows to extract data products that solve the needs of end users. - We present our Algorithm Ecosystem, a comprehensive suite of tools built over the last several years and informed by decades of experience in processing remotely sensed imagery. The suite includes our open source Algorithm Toolkit, a platform that enables algorithm creation and ‘low-code’ algorithm chaining via a web-based chain builder. We will demonstrate an example use case of batch processing precision agriculture data, collected from a UAS platform and leveraging our toolset.

	<p>Chris Willey (Confirmed) CTO BeamIO</p>
2:25-2:55	<p>Network Break</p>
2:55-3:40	<p>USGS Strategy: Initiatives Toward Advancing GIS Technologies to Better Understand the Earth</p> <ul style="list-style-type: none"> - Ensuring the utilization of geospatial platforms to facilitate scientific excellence and responsiveness to society's needs - Leveraging information collected from GIS mapping to the enhance quality of life - Future USGS initiatives toward managing natural resources & minimizing the loss of life from natural disasters using GIS technologies <p>Timothy Quinn (Confirmed) Associate CIO USGS</p>
3:40-5:00	<p>*Utility Panel* Delivering Effective Geospatial Mapping Platforms Across Utilities for Improved Performance</p> <p><i>Using GIS mapping and analytics to identify vulnerabilities before a failure occurs is an important benefit that these new technologies provide to the commercial industry community. Utilities such as gas, electric, and energy rely on new GIS tools to assess high need areas and prioritize work, as well as for location-based planning. This panel will explore in more detail how the data produced by these geospatial sensor platforms and architectures is used by various utility leaders to share information and solve complex problems more effectively. It will also explain how GIS is helping utility companies to monitor trends and forecast to ultimately make smarter decisions.</i></p> <p>Panel Moderator- Tim Moyer (Confirmed) Program Manager, Geospatial & Broadband Programs, NTIA Department of Commerce</p> <p>Panelists-</p> <p>Pamela K. Isom (Confirmed) Deputy CIO Architecture Engineering Technology & Innovation, IM-50 Chief Data Officer, Office of the Chief Information Officer U.S. Department of Energy</p> <p>Tiffany Gibby (Confirmed) Manager, GIS & Mapping TVA</p> <p>Michael Smith (Confirmed) Principal GIS Analyst City of Alexandria, VA</p>

End of Day 1

8:15-8:45	Registration and Light Breakfast Reception Open
8:45-9:00	<p>*Moderator Opening Remarks* Eddie Pickle (Confirmed) Managing Director of Open Source Programs Radiant Solutions</p>
9:00-9:45	<p>*Keynote Remarks* Guiding DoD Use of GIS for Enhanced Infrastructure Management, Operational Effectiveness, and National Security</p> <ul style="list-style-type: none"> - How standards and the Common Installation Picture are enhancing infrastructure management - Explaining how GIS supports DoD readiness and national security priorities through encroachment management - Providing publicly available GIS datasets and online sources to State & Local governments, NGOs, and industry for planning-based geospatial data analysis <p>David F. LaBranche (Confirmed) GIO Office of the Deputy Assistant Secretary of Defense Infrastructure</p>
9:45 - 10:30	<p>*Keynote Remarks* Delivering Effective GIS Technology Integration to U.S. Transportation and Infrastructure Systems</p> <ul style="list-style-type: none"> - Reviewing the Geospatial Data Act and how it affects DOT - Integrating the Transportation NGDA - Detailing the FGDC Transportation Subcommittee and its working groups - Coordinating future FGDC and DOT efforts <p>Derald Dudley (Confirmed) Chair, Transportation Subcommittee Federal Geographic Data Committee</p>
10:30-11:00	Network Break
11:00-12:30	<p>*Transportation Panel* Leveraging Geospatial Technologies and Information to Analyze and Improve the Nation's Infrastructure and Transportation Systems</p> <p><i>Geospatial software platforms and sensor systems have allowed for various states DOT to examine innovative ways to track and strengthen different aspects of their critical infrastructure. Data produced by these platforms develops a more efficient way of tracking traffic volume, infrastructure condition, driver turning patterns, and even where local plows are when it snows. This panel will feature members of various DOT's across the nation that will explain how collaborative GIS is helping in providing simple access to information and tools for customers to better understand large datasets. It will also detail ArcGIS Online, which is a collaborative, cloud-based platform that enables individuals the ability to use, create, and share maps and data with anyone.</i></p> <p>Panel Moderator- Thomas Harman (Confirmed) Director Center for Accelerated Innovation, FHWA</p> <p>Panelists- Dr. Maurie Caitlin Kelly (Confirmed) Director, PASDA Pennsylvania Geospatial Data Clearinghouse</p> <p>Ed Strocko (Confirmed) Director, Spatial Analysis & Visualization Bureau of Transportation & Statistics, FHWA</p> <p>Mark Sarmiento (Confirmed) Technical Lead for Every Day Counts: Geospatial Data Collaboration Implementation FHWA</p>

12:30-1:30	Lunch Break
1:30-2:15	<p>Providing Geospatial Engineering and Technologies in Support of DoD & IC Mission Sets</p> <ul style="list-style-type: none"> - USACE efforts to develop accurate, timely, and relevant geospatial information in support of unified land operations - Ensuring a decisive Warfighter advantage through the enabling of geospatial information dominance - Near term considerations toward advancing the integration of innovative GIS technologies, data, and standards for Warfighter support <p>Gary W. Blohm, SES (Confirmed) Director, Army Geospatial Center U.S. Army Corps of Engineers</p>
2:15-3:00	<p>DHS Efforts to Deliver Effective Geospatial Platforms Through the Utilization of Partnerships Across Government</p> <ul style="list-style-type: none"> - Developing a coordinated strategy for the acquisition of homeland infrastructure geospatial information - Facilitating partnerships at the state and local levels to enable open & secure access to geodata - Future goals toward integrating geospatial information in support of DHS initiatives <p>CDR Matt Bourassa, USCG (Confirmed) PM, DHS Common Operating Picture (COP) & Request for Information (RFI) systems DHS Geospatial Management Office (GMO)</p>
3:00	End of Summit

Topics & Speaker Times Subject to Edits

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