USGIF SLAWG
Monthly Meeting

June 24, 2020
Agenda

• Welcome, Announcements & Introductions
• Welcome, Harriett Green, Wash U
• GeoFutures Highlights, Andy Dearing, Spatial STL Advisors
• Ronda Schrenk, USGIF Update
• UMSL in the Geospatial Ecosystem, Matt Taylor, Cezary Janikow, and Bob Ubbelohde, UMSL
• Infopacity and GIS Tool for US TRANSCOM, Charles Bowes, Infopacity
• Missouri National Guard GIS, Wiley Howell, MOARNG
• New training programs, a new initiative, and a new Outreach Director at GeoSLU, Henning Lohse-Busch
• Esri Virtual UC, Dan Haag, Esri
• Introductions to the Community: Rob Patterson, CMA
• Geosaurus Update, Patty Hagen/Mark Tatgenhorst, T-REX
• Subcommittee Updates
  • University/R&D Subcommittee – Patty Hagen
  • Workforce Development - Enbal Shacham
  • K-12 Subcommittee Update - Sekhar Prabhakar
What is the SLAWG?

The SLAWG is a volunteer-based group formed under the U.S. Geospatial Intelligence Foundation (USGIF), a 501c3 educational nonprofit dedicated to supporting the geospatial intelligence tradecraft. It is a group of industry, government, academic and community partners with a goal to clarify pathways for education and training for geospatial careers and certifications in the St. Louis region, and identify needs for new pathways to integrate with existing efforts.
Introductions in Chat Window...

- Name
- Organization
- Email (if desired)
Welcome, Washington University

Harriett Green, Associate University Librarian for Digital Scholarship and Technology Services
Good publicity...and events!

- **DD/NGA Stacey Dixon talking about “fighting Coronavirus from space” (Maxar)** - June 11, 2020
- **D/NGA “A whole-of-enterprise approach to GEOINT” on Government Matters TV** - June 7, 2020
- **Accenture Federal Services to Open Advanced Technology Center in St. Louis, Adding 1,400 Jobs to Region’s Growing Tech Community** - June 23, 2020
- **Maxar Technologies Announces its Intention to Acquire Vricon, Inc. to Accelerate Growth in Emerging Markets for 3D Technology and Extend its Lead in Earth Intelligence** - June 24, 2020
- **GeoSLU Zoom Panel (to the right) on Research Roundtable: Predicting and Responding to Outbreaks** - June 17, 2020
GeoFutures Update

Andy Dearing

Press Releases:

https://www.directionsmag.com/pressrelease/9910
GEOFUTURES
The Future of Geospatial is STL Made
Target industries for collaboration and innovation

- National Security
- Digital/Precision Agriculture
- Transportation & Logistics
- Health Care Delivery
5 Strategic Priorities

01. Scale up talent & workforce
02. Raise innovation capacity
03. Accelerate entrepreneurship
04. Support community-led development north of Downtown
05. Brand St. Louis as global thought leader
GEOFUTURES COALITION

Oversees implementation of roadmap
Ensures commitment to equity & inclusion
GEOFUTURES TALENT INITIATIVE

Supports K-16 and adult workforce education
Targeted to under-represented communities
GEOFUTURES INNOVATION COLLABORATIVE

Promotes entrepreneurship
Commercialization of geospatial applications
Black professional tech entrepreneurship program

Investment matching fund

Community-driven development in neighborhoods north of Downtown
GEOFUTURES
The Future of Geospatial is STLMade

STLGeoFutures.com
USGIF Upcoming Events

Ronda Schrenk, USGIF
USGIF Announcements & Events

• USGIF Announces 11 New Board Members – June 23, 2020
• GeoFutures: A Path to Becoming the Global GEOINT Hub – July 1, 2020, 12 pm CDT
• Fueling the Next Generation: A Conversation with Sue Gordon and the 2020 Golden Ticket Winners – July 8, 2020, 12 pm CDT
• Past Events: GEOConnect Series
UMSL in the Geospatial Ecosystem

Matt Taylor, Cezary Janikow, and Bob Ubbelohde, UMSL
Computers Science & Cybersecurity

✓ Degrees in Computer Science
  • BS
  • MS
    • Traditional Computer Science or Certificate-based
  • Ph.D.

✓ Degree in Cybersecurity
  • BS
  • MS
  • Ph.D.
  Computer Science option with Cybersecurity focus

✓ Degrees in Computing Technology
  • BS
CERTIFICATES

✓ Undergraduate: 5 courses each
Can use as electives in a BS program
  • Computer Programming (and Education)
  • Artificial Intelligence
  • Cybersecurity
  • Data Science
  • Internet and Web
  • Mobile Apps and Computing

✓ Graduate: 4 courses each
Can use as part of MS in Computer Science
  • Artificial Intelligence
  • Cybersecurity
  • Data Science (pending state)
  • Mobile Apps and Computing
Faculty and Research

✓ International, expert faculty

✓ Specializations
  ✓ Cybersecurity
    IoT, Edge, Networks, etc.
  ✓ Artificial Intelligence
    ML, Deep Learning, Biological DS, Evolutionary Comp, Vision, etc.
  ✓ Data Science
  ✓ Internet and Web
  ✓ Mobile Apps and Computing

✓ Many current and past research grants with research and support opportunities
Transforming, Securing, and Empowering our Communities through Geospatial Knowledge
National Security Events Triggering Local Community Consequences

- Housing Security
- Health(care) Security
- Food Security
- Financial Security
- Local/Regional Public Safety
- Natural Disaster

National Security & Community Policy Collaborative

National Attention With Direct Local Impact

Informing Policy
Current Projects

✓ CONVERGE
  • Cultural and geospatial analyses of risk communication in marginalized urban neighborhoods

✓ Civic Innovation (NSF)
  • Collaboration with T-Rex
  • AR/VR for disaster preparedness & community resilience

✓ N2W Historical Project
  • Collaborative with NGA (UMSL History, Art & Design)
Infopacity and GIS Tool for US TRANSCOM

Charles R. Bowes
President, Infopacity LLC
MISSION STATEMENT
Combine Geospatial Science and Data Science to help public and private sector clients realize the full capacity of their information to make better decisions.

CORE COMPETENCIES
Functional Integration
Data Analytics
GIS Integration
Advanced Visualizations
Strategic Consulting
Decision Support Products
Joint Training Support
Knowledge/Change Management

• Air National Guard / Air Force Reserve / USAF Active Duty
• Command & Control
• Airlift Navigator - 25 years creating maps and geospatial context
  • Founding developer of FalconView and PFPS software
• Program & Project Management in:
  • National Guard Bureau
  • ANG Readiness Center
  • Joint Force Headquarters - Delaware
  • HQ Air Mobility Command
  • HQ 18st Air Force (AFTRANS)
  • HQ 1st Air Force (AFNORTH)
  • 618 AOC (TACC)
  • USTRANSCOM J3, J5/4
  • FEMA Ops Center
• Competencies
  • Policy Analysis
  • Defense Strategy
  • Strategic & Deployment & Distribution Planning
  • Airlift/Tanker Msn Execution
  • Command & Control
  • Contingency Response
  • CJCS Joint Training System
  • Emergency Preparedness & Disaster Management
  • Antarctic Plans/Execution
  • DIRMOBFOR
  • Civil Air Patrol
  • Supply Chain Optimization
• President and Vice President of NDTA Scott/STL chapter
• Founder, STL Gateway INFORMS
• President, 501(C)3 charitable foundation

infopacity.net (313) 293-7182 cbowes@infopacity.net
Missouri National Guard GIS

Wiley Howell, GIS Program Manager, MOARNG
MOARNG GIS Program

How The Missouri Army National Guard Utilizes GIS

Wiley Howell, 573.638.9775, wiley.m.howell2.nfg@mail.mil
The Agency

- The MONG is headquartered at Ike Skelton Training Site in Jefferson City, MO and consists of over 12,000 Soldiers, Airmen, Federal civilians, and State employees with facilities in 54 counties.

- The MONG maintains 55 Army Readiness Centers, 15 Army Maintenance Facilities, 5 Army Flight Activities, 3 Air Guard Installations, and operates 6 training sites comprised of over 11,000 acres of training land across the State.

- The MONG as an agency falls within Missouri’s DPS, and the State civilian workforce is managed by the OTAG, with GIS services nested in the Environmental and Facilities offices.

- The MOARNG employs 4 GIS personnel via 3 programs:
  - Integrated Training Area Management (ITAM)
  - Environmental
  - Facilities

MONG: MO National Guard
MOARNG: MO Army National Guard
MOANG: MO Air National Guard
DPS: Department of Public Safety
OTAG: Office of the Adjutant General
The Mission

The MOARNG GIS Mission is to *create, analyze, manage, and distribute* authoritative standardized spatial information, products, and services for the execution of training strategies and missions on MOARNG ranges, facilities, training lands and in support of Missouri State Emergency Duties. The MOARNG GIS Program strives to provide our Soldiers and civilian counterparts with the ability to leverage the most accurate and complete datasets through easily accessible and user-friendly custom map solutions.
The People

**Program Key:**

- **Environmental Facilities**
- **ITAM**

**GIS Program Manager**
Wiley Howell

**GIS Analyst**
Shawn Barbie

**GIS Technician II**
Kaleb Bauer

**GIS Technician I**
Nick Schulte

**Program Administration, Personnel, Purchasing, Budget, Staff Development, Server Admin, Combined CIP Submission, ISR Consolidation, GIS Portal Admin**

**Common Installation Picture, Fac Map Requests, Fac ISR, Real Property Inventory, SDSFIE Migrations, MILCON Support**

**SRP CIP, MIM Production and Maintenance, ITAM/SRP Map Requests, ITAM/SRP Data Collection, SRP ISR Analysis, EM TS GIS Lead**

**EM CIP, EM Map Requests, EM Data Collection, EM ISR Analysis, EM Armory/FMS GIS Lead**

**Mutually Supporting Interdisciplinary GIS Team**

**UNCLASSIFIED**
The Method

- **Work IN: GKO Map Request Process**
  - Avg 150 Requests Per Year
  - ~53% Facilities & Environmental
  - ~29% Range & Training Support
  - ~18% Other Agency Needs

- **Work OUT: MOARNG GIS Portal Site**
  - Launched March 2020
  - 1000+ Products Uploaded
  - Military Installation Maps
  - Imagery Services
  - Web Map Services
The Highlights (1/4)

- Agency Specific GIS Solutions
The Highlights (2/4)

State Emergency Response Support
The Highlights (3/4)

Military Cartography & Troop Training Support
The Highlights (4/4)

- Diversity of Work

Facility Support & Real Property Inventory

Natural & Cultural Resources

Unit Training Support

Conservation

Environmental Compliance

Range Support & Surface Danger Zones

UNCLASSIFIED
New training programs, a new initiative, and a new Outreach Director at GeoSLU, Henning Lohse-Busch

Henning Lohse-Busch, Saint Louis University
New training programs, a new initiative, and a new Outreach Director at GeoSLU

SLAWG June 24th, 2020
Henning Lohse-Busch, Ph.D.
New Director of Business Development and Outreach

- Engagement with partners for new research opportunities
- Promoting the academic programs
- Please reach out via email, or LinkedIn

New Academic and Workforce Training Programs

- 12-month master’s program in geospatial science with online, onsite, and evening classes
- Geospatial Health certificate
- Geospatial Intelligence (GEOINT) certificate

Looking for Talent

- 3 Postdoc positions [1, 2, 3]
- Geospatial Data Scientist
- Assistant Professor and Geospatial Program Coordinator

Conference Planning

Supporting a Fall USGIF Saint Louis event and planning for geo-resolution 2021
THE NEXUS OF WILDLIFE TRAFFICKING WITH HUMAN SECURITY ISSUES

Purpose: The purpose of the GeoSLU Countering Wildlife Trafficking Initiative is to organize, develop and build a program framework, where advanced geospatial methods, modeling, and small satellite, sensor design and applications will deepen the understanding of conservation science and research and the nexus to human security issues, in support of intelligence, law enforcement and sustainable development practices.

Odean Serrano, PhD
GeoSLU Countering Wildlife Trafficking Initiative, Senior Scientist
Countering Wildlife Trafficking Initiative THEMES
1) Digitizing and Mapping the Convergence of Wildlife Trafficking & Human Security
2) Multi-Thematic Machine Learning & Artificial Intelligence Modeling
3) Small Sat and Drone Sensor Design and Remote Sensing Applications (NASA, Argos, DOI (BOEM), etc...)

Countering Wildlife Trafficking Initiative WORKING GROUP
1) Inter-Intra University and Stakeholder Research Collaboration
2) Training & Mentoring
   • HUMAN GEOGRAPHY COURSE, Fall 2020
   • Use Case Training and Mentoring Program
   • Student Field Work Opportunities (Domestic and International)
3) Key Research and Development Development Topics
   • Understanding the effects of human generated demands on terrestrial & aquatic wildlife (wildlife trafficking and illegal fishing, domestic and international problem sets)
   • Wildlife Trafficking Systemic Analysis Development and Applications (Nexus: Pandemics, Routes, Security: Criminal Networks Analysis)
   • Common Operating Picture Development for Conservation Operations

Odean Serrano, PhD
GeoSLU Countering Wildlife Trafficking Initiative, Senior Scientist
2020 Esri Virtual User Conference

Dan Haag, Esri
Esri User Conference

Join us virtually this year

July 13-16, 2020 | The world's largest, virtual GIS event
2020 Esri UC Experience
Digitally transforming networking, sharing, and learning

Registration
User selects:
• Full Conference,
• Student, or
• Plenary Session only.

Sign-In
using Esri Account

Sessions
User Presentations
Technical Sessions
SIGs

Merch Store
US Sales Only
Esi Apparel
Branded Items
Esi Press

Partner Expo &
Esri Showcase
Partner Expo
Esri Product Showcase
Esri Industry Showcase

Esri Main Stage
Plenary Session
3 parts, over 3 days
Live Streamed from Redlands

Map Gallery
Networking
Meeting Request, Chats,
Intelligent Matching
2020 Esri User Conference

- Complimentary Virtual Event
  - Register to attend
  - Plenary session available for all
  - Full conference access for users who have a maintenance plan or subscription
  - Existing registrations automatically transferred

- No deadline to sign up
- Only the plenary will be streamed live
- Still featuring user-submitted content, the Map Gallery, and Plenary Session images
- Preconference seminars being held on Thursday and Friday, July 16 and 17
- Special Achievement in GIS (SAG) Award winners will be recognized
2020 Esri User Conference

- **July 13th - 15th**
  - Live Plenary Session each day
  - Tech sessions each day with live Q&A
  - On-demand sessions (Demo, Expo Spotlight presentations)
  - Expo with Esri Showcase and Sponsors & Exhibitors
  - Networking
  - Map Gallery

- **July 16th - 17th**
  - Post-con Workshops (formerly known as pre-cons)
  - Select SIGs
  - Science Symposium
Plenary

- **Part 1: GIS-Interconnecting Our World**
  - Monday, July 13 | 12 pm - 2 pm (CDT)

- **Part 2: GIS-Interconnecting Our World: ArcGIS Technology and Applications**
  - Tuesday, July 14 | 12 pm - 1 pm (CDT)

- **Part 3: GIS-Interconnecting Our World: Making Geographic Knowledge Pervasive**
  - Wednesday, July 15 | 12 pm - 1 pm (CDT)
Part 1

GIS—Interconnecting Our World

Monday, July 13 | 10:00 a.m.–12:00 p.m. (PDT)

Jack Dangermond, President, Esri

Over the course of just a few months, the world turned upside down. Through the global pandemic, we see the connection of systems across national, state, and local governments; private businesses; individuals; and all of society. We also see how GIS facilitates an interconnection of these systems and the important role technology plays in moving us forward. GIS provides us with a scientific understanding to create more resilient communities and a safer world.

In part 1 of the virtual Esri UC Plenary Session, Jack Dangermond will explore how the nervous system of our world has never been more interconnected than it is today. See demonstrations of new technologies that facilitate the interconnection of these systems, as we use GIS to lead the way forward.
Part 2

GIS—Interconnecting Our World: ArcGIS Technology and Applications

Tuesday, July 14 | 10:00 a.m.-11:00 a.m. (PDT)

Esri Staff

In part 2 of the virtual Esri UC Plenary Session, hear from Esri staff as they share the latest in ArcGIS technology and applications. Learn how these tools can be applied to meet a variety of business challenges around the world.

Discover how the use of new technology and enhancements in ArcGIS support the continuity of business operations and crisis management. See how using these powerful tools helps us all build safer, more resilient communities and an interconnected society as we continue the battle against coronavirus disease 2019 (COVID-19).
GIS—Interconnecting Our World: Making Geographic Knowledge Pervasive

Wednesday, July 15 | 10:00 a.m.–11:00 a.m. (PDT)

Hosted by Jack Dangermond, President, Esri

Special Guests
Vicki Phillips, Executive Vice President and Chief Education Officer, National Geographic Society
Jeffrey Sachs, University Professor and Director of the Center for Sustainable Development at Columbia University

This 60-minute finale will provide you with an actionable vision to move your GIS forward for generations to come. Hear how thought leaders are enabling global sustainability by making geographic knowledge pervasive across education, science, and society.

Vicki Phillips, Executive Vice President and Chief Education Officer for the National Geographic Society, will join Jack Dangermond to discuss the many ways geography and spatial thinking play a vital role in multidisciplinary education. Learn how Esri and the National Geographic Society are partnering to develop spatial solution seekers.

Jeffrey Sachs, a world-renowned economist, professor, and author, will share his vision on how the monitoring and analysis of data will help us achieve the global Sustainable Development Goals. He will challenge us to engage deeper with information to interconnect society for a more sustainable future.
• An engaging environment to showcase Esri’s products and solutions
• Showcase industry and technology patterns that drive adoption and use of our platform
• Give our users and partners a roadmap for how they can transform their organization to take advantage of ArcGIS
• Help Esri staff to better understand our users and their needs
• Collaborate and build relationships with our customers and business partners
Expo Hours (CDT)

- **Monday, July 13, 2020**
  - 2:05 PM - 5:45 PM
- **Tuesday, July 14, 2020**
  - 9:30 AM - 11:40 AM
  - 1:10 PM - 5:50 PM
- **Wednesday, July 15, 2020**
  - 9:30 AM - 11:40 AM
  - 1:10 PM - 5:50 PM

**Meetings/Networking (CDT)**
- **Monday, July 13**
  - 2:15 pm - 7:30 pm
- **Tuesday, July 14**
  - 9:30 am - 11:45 am; 1:15 pm - 7:30 pm
- **Wednesday, July 15**
  - 9:30 am - 11:45 am; 1:15 pm - 7:30 pm
Sessions

• **SHEDULED in the Agenda**
  - 120 Simulated Live Tech Sessions (Mon-Wed)
    - Pre-recorded demos with Live Q&A
  - 37 Live SIGs (Thurs)
  - Science Symposium (Thurs)

• **ON-DEMAND**
  - 240 pre-recorded Demo Theater Presentations
  - 30 additional pre-recorded Technical Sessions
  - 300 User Presentations
Showcase Example

Esri Showcase

Filter by Level  Filter by Location  Filter by Category  Clear Filters

Search by name...  Search

ArcGIS Pro  ArcGIS Enterprise  ArcGIS Online

Esri Showcase Area  Esri Showcase Area  Esri Showcase Area  Esri Showcase Area

Esri  Esri  Esri  Esri

Esri Showcase Area  Esri Showcase Area  Esri Showcase Area  Esri Showcase Area

Esri  Esri  Esri  Esri  Esri
Showcase Example

ArcGIS Online

Search by name: [Search]

ArcGIS Online - General

ArcGIS Experience Builder
ArcGIS Online Sub-Topic
ArcGIS Online Sub-Topic
ArcGIS Online Sub-Topic
ArcGIS Online Sub-Topic
ArcGIS Online Sub-Topic
ArcGIS Online Sub-Topic
ArcGIS Online Sub-Topic

2020 Postconference Seminars

Get in-depth, expert-led training on the latest GIS technologies after the Esri User Conference (Esri UC) so you can build on your new knowledge from the conference. Sign up when registering for the Esri UC or add seminars afterward by calling 1-888-377-4576 between 9:00 a.m. and 4:00 p.m. (PT).

POSTCONFERENCE SEMINAR

Doing Spatial Data Science Using R and ArcGIS

July 16, 2020
8:00 a.m.-5:00 p.m. (PT)
Virtual

$595
Language: English
Level: All levels
Attendee limit: 30

Through a series of lectures, demonstrations, and hands-on exercises, this seminar will teach you how to leverage the spatial data science visualization capabilities of the ArcGIS platform with the statistical capabilities of R. We will be exploring the ways in which the R-ArcGIS integration can be used for seamless and efficient data science workflows. We will take in-depth dives into the functionality of transferring data from ArcGIS and R, creating R script tools and R Jupyter Notebooks.

Additional registration and fee required. You must be registered for the Esri User Conference to attend the postconference seminars. For additional fees and information about adding seminars to your registration, please call 1-888-377-4576 between 9:00 a.m. and 4:00 p.m. (PT).
Helpful Resources

- UC Website including the Agenda
- Esri UC on GeoNet
Questions?
CMA Introduction

Rob Patterson, Ph.D. and Kelli Huber, Ph.D.
Who We Are

- Management consulting firm founded in 1975 in St. Louis
- Ph.D. Psychologists
- Assessment, Organizational and Team Development, and Executive Coaching

Our Goal

- Learn more about the geospatial and start-up communities
- Get connected
- Consider if/how we might be helpful
T-REX Geosaurus Update

Patty Hagen and Mark Tatgenhorst, T-REX, Geosaurus
T-REX BYTES
Dining Booths – Co-Working
University/R&D Subcommittee Updates

Patricia Hagen, PhD, Subcommittee Chair
University/R&D Subcommittee Update

- Economic Development Administration grant submission by T-REX last week:
  - Extended Reality and Simulation Lab proposed to add to Geospatial Innovation Center resources
  - Will be available to the research and student community if funded

- 1904 Labs, Bayer and SLU are co-sponsoring a Geospatial hackathon to be held 14-20 September 2020:
  - Competition will involve teams of technologists and designers who will be challenged to create innovative geospatial software solutions through the implementation of HCDAgile Methodologies and an Open Source Geospatial Stack including ol-kit.

  - Hackathon creators are inviting university students and developers to form teams to compete. Prizes will be awarded. Traditional competitive Hackathon, except the technology is dictated rather than the problem set.
    - Divisions
      - College
      - Professional
    - 20 Teams max
      - 3-8 Members per Team
    - Submissions will utilize the Geospatial Stack (PostgreSQL/PostGIS/GeoTrellis/GeoServer/ol-kit).

- For more information, contact John Ross at 1904 Labs, at jross@1904labs.com
Workforce Development Subcommittee Update

Enbal Shacham, PhD, Subcommittee Chair
Workforce Development Subcommittee Updates

• Met June 17, 2020
• Andy Dearing presented workforce development needs and priorities for the region based on the GeoFutures report

• Needed data and repository for the region:
  1. Which training programs exist and what gaps exist
  2. What are the needs of the business leaders?
     • USGIF
     • Businesses in partnership with SLAWG
       • Survey development/implementation
  3. Housing geospatial job postings and resumes
  4. What are the pathways for training and jobs in the ecosystem?

Drafts are being worked on—volunteers accepted!
K-12 Subcommittee Update

Sekhar Prabhakar, Subcommittee Chair

SLPS GeoPlunge Video
MO DESE application for Education Stabilization Fund-Rethink K-12 Education Model Grant (ESF-REM)

• **BLUF:** MO DESE requesting SLAWG members submit a letter of support by Friday, June 26th to Dr. Henningsen.

• We (DESE-OCRR) are applying for a United States Department of Education grant through the Education Stabilization Fund-Rethink K-12 Education Models Grant (ESF-REM) to have funds to create the Remote Learning That Works for Missouri program. We intend to develop and sustain a dynamic resource hub to serve as a central repository for remote learning activities in the area of Career and Technical Education. The three-year grant ($12 to $15 million) will center on three of the Missouri Department of Economic Development’s “target” industries that exhibit the greatest potential for growth, expansion, and employment. Those industries are Information Technology, Health Sciences and Services, and Advanced Manufacturing.

• DESE is also striving to develop relationships with new partners. One example is the collaborative effort to work with the National Geospatial-Intelligence Agency (NGA) and its expansion to a new facility in St. Louis. Missouri only has one secondary institution offering courses in geospatial information systems, and that is the Columbia Technical Center in Columbia, MO. By developing the Remote Learning That Works for Missouri program, DESE can offer these valuable classes virtually to students across the state, offering them an opportunity for high-quality employment in a new field. We owe it to our students to offer them the resources to ensure they are success-ready for postsecondary and workforce opportunities.

• **POC:** [Dr. Blaine Henningsen](mailto:Blaine.Henningsen@dese.mo.gov), Assistant Commissioner, Office of College and Career Readiness, Missouri Department of Elementary and Secondary Education, Phone 573-751-2660, Blaine.Henningsen@dese.mo.gov
Takeaways

Career Opportunities (Full-Time/Internships)
• Submit opportunities: Derek Collins (dcollins@stlcounty.gov) at the county workforce office and he can make sure it is listed on MO state job listing.

Events/Messaging
• Submit calendar events to Tara Mott (tmott@esri.com)
• Flashtalks for the Next Meeting?
• Want to join the group? Email WorkingGroups@usgif.org

Members should look to join at least one sub committee and share GEOINT Opportunities!
Next Meetings – Most Likely All Virtual

- **July 22**, Zoom Meeting, 1 – 3 pm (new date)
- **August 26**, Microsoft Technology Center (MTC)
  - 4220 Duncan, 5th floor, 2 – 4 pm (if in person)
- **September 30 - TBD**
- **October 28 - TBD**
- **November 18 - TBD**
- **December 16 - TBD**
Thank You for Attending!