

# REGIONAL GIS MEETING

May 12, 2021 - 9:30am - 3:30pm

Zoom Webinar

- 9:30am **State of the Region - Shelley Broyles - GIS Project Coordinator - NCTCOG**  
Brief overview of the regional projects and other GIS-related work that is happening at NCTCOG.
- 9:40am **NCT9-1-1 UAS Program Overview - David Dean, CSM PSK - 9-1-1 GIS Project Coordinator - NCT9-1-1**
- 10:10am **Geospatial and GIS needs in Planning for Drones and Advanced Air Mobility - Sam Moffat - Woolpert**  
Unmanned aircraft (UAS aka drones) and advanced air mobility (also known as flying cars) is emerging fast in and around cities and towns. Whether it be for data collection, package deliver, or emergency response, these technologies will require planning, geospatial data, and infrastructure. This presentation will go into some of the data and systems needed to begin operations and sustain a safe and forward-thinking future!
- 10:50am **Arlington, TX Unity Council Report - Tony Herhold, AICP - Research & Analytics Manager - City of Arlington**  
Recently, the City of Arlington Unity Council published an extensive report outlining the current socioeconomic state of Arlington residents through the lens of race and ethnicity. The report contains a number of recommendations for working toward and achieving racial equity in the City. By utilizing extensive demographic and GIS data surrounding various economic, health, housing, and other factors, the Unity Council Report will provide the City with a useful guide for equitable decision-making going forward.
- 11:10am **Geospatial Strategy | A Roadmap for Success - Jacob Blind - Team Lead, Eric Lomeli - Account Manager & Kathleen Clancy - Solutions Engineer - ESRI**  
It takes more than technology for an enterprise GIS to be successful, it requires dynamic vision, business, and management skills. This session will discuss the components of an effective geospatial strategy, how it must align with the needs, goals, and challenges of your organization. A geospatial strategy defines how your organization will use GIS to achieve its goals. An effective geospatial strategy connects your business needs with the right people, processes, and technology to help overcome organizational challenges and improve results, highlighting a roadmap to connect with your organizations strategic plan.
- With a geospatial strategy, you can use GIS to achieve location intelligence—the ability to understand why and where things happen—so that you can make better decisions and operate more efficiently. A successful geospatial strategy will allow leaders to make smart decisions quickly while boosting the Return on Investment (ROI) throughout all departments of your organization.

## After the Lunch Break

- 1:30pm Adapting GIS for New Permitting Software, Tyler EnerGov - Gini Connolly, GISP - Director of Development & GIS Services - City of Hurst**  
Increasing levels of service in a community demanding more online availability necessitates more thoughtful data designs and GIS-centric work processes. Migrating to a new, entirely online permitting system required the City of Hurst to refine addressing, work management and land suitability, all leveraging the power of GIS. Tyler's EnerGov provides a citizen portal to allow citizens to apply for building permits and planning applications online, while providing robust software to permitting, planning and code enforcement functions in the office and in the field.
- 1:55pm Texas Open Data, From Soup to Nuts: An End-to-End Use-Case for Texas Open Data Portal - Jordan Carmona, GISP - Senior GIS Analyst - Town of Prosper**  
This presentation focuses on a classic extract-transform-load (ETL) operation using the State of Texas Open Data portal. We'll look at how to interact with their Socrata platform using the SODA API, ingest the data with Python using the GeoPandas library alongside the ArcGIS API for Python, and some light data engineering to make it suitable for loading into an Esri-based GIS.
- 2:20pm NCTCOG's Map Your Experience Public Involvement Tool - James McLane, Amy Johnson & Carli Baylor - NCTCOG**  
While NCTCOG's Transportation department has been using ArcGIS Online and similar tools to communicate spatial information with the general public for some time, receiving spatial information from the general public is a new endeavor. Tools like our new Map Your Experience! Crowdsource Reporter application have allowed us to continue our public involvement activities even as the pandemic has forced us to cancel our in-person events. The tool is designed to provide input to a variety of plans, notably including the upcoming update to our long-range transportation plan. Considerations in developing this application included maximizing its applicability to a wide variety of planning activities, processes for storing, processing, and censoring comments, and potential duplication with similar tools.
- 2:40pm Innovations that Alter Career Paths - J. Scott Sires - Professor of Geospatial Technologies - Brookhaven College**  
Computers, mobile phones, the Internet, email, IoT, XRs (extended realities (AR, VR, MR)), AI (Artificial Intelligence) and Machine Learning, and similar technologies have become some of tools Geospatial Technology professionals' use. This presentation will focus on emerging innovations that are expected to change our workflows. The discussion will share Dallas College observations of emerging technologies and our plans to incorporate them into our educational program.