

GDW Meeting Summary for December 4th, 2024

Lightning Presentation –2024 GIS Day Summary Recap with Nicole Ceranek from

Montgomery County and Molly Eskelson from HGAC: The 2024 Houston Area GIS Day took place over two days at the University of Houston-Clear Lake campus. On Thursday, November 21st, the focus was on professional development workshops, while Friday, November 22nd, celebrated GIS Day's 25th anniversary with presentations and exhibits. Nicole Ceranek from Montgomery County highlighted the success of the high school student events, recognizing the contributions of team leads, volunteers, speakers, and vehicle operators. The event welcomed 300 high school students, including one school that arrived without prior notice, and over 200 professionals. In the vendor hall, numerous sponsors attended in person, generating substantial traffic and meaningful conversations. Molly Eskelson from HGAC discussed the positive reception of the workshops and noted that a feedback survey had been distributed to attendees. The planning committee intends to hold a follow-up meeting to review feedback, conduct an after-action review, and start preparing for the 2025 Houston Area GIS Day.

Should anyone have questions, please contact houstonareagisday@gmail.com or visit the [events homepage](#).

Guest Presentation – 3D Analysis of Flood Impacts in Missouri City Considering Rainfall

Rates with Jian Wang with Missouri City: Jian Wang showed a 3D Analysis Model that focused on Missouri City, addressing local and river-related flooding challenges due to proximity to the Gulf of Mexico, low-lying terrain, urban growth, and climate change. The model is influenced by two categories: Local rainfall scenarios (varied rainfall intensities over different durations) or Coincident river flooding scenarios (Brazos River levels combined with rainfall). Based on the categories selected, the visualization tools overlaid flood rasters and building data to simulate flooding scenarios, enabling better preparation and communication with property owners. The model offers valuable insights into flood impacts, helping Missouri City mitigate risks and prepare for future flooding events.

Should anyone have questions, please contact jian.wang@missouricitytx.gov.

Guest Presentation- Viridis – Streamlining Ecological and Agricultural Research with Custom Software with Tyler Adams:

Tyler Adams introduced his company, EarthMetrics Software Solutions, and their new product, Viridis-a LIDAR-based software designed for vegetation analysis. The tool aims to address climate and environmental challenges by providing an efficient and user-friendly platform for ecological and agricultural applications. Tyler demonstrated the program's functionality, highlighting its ability to handle diverse data inputs, provide detailed analyses (e.g., plant height, density, and vegetation distribution), and generate outputs suitable for reports or further statistical processing. The company is open to inquiries, demonstrations, and running sample datasets.

Should anyone have questions, please contact tmadams13@gmail.com.

Announcements/Other Items:

- Houston Area GIS Day Planning Committee will be hosting a review meeting virtually on Thursday, January 9th at 11:00 AM. For more information, please visit <http://www.houstonareagisday.org/>.
- Complete the after event feedback survey for Houston Area GIS Day with the link <https://survey123.arcgis.com/share/c25510067cd14de7af99432aac65f48a?portalUrl=https://h-gac.maps.arcgis.com>
- URISA's 2025 Texas Board of Director Election is open from Tuesday, December 03, 2024 to Saturday, December 07, 2024. For more information, please visit <https://urisatexas.org/Sys/Poll/57987>

- Job Announcements:
 - HGAC
 - Data Analyst- Data Visualization- <https://phg.tbe.taleo.net/phg02/ats/careers/v2/viewRequisition?org=HGAC&cws=38&rid=1044>
 - Data Analyst- Land Use Modeling- <https://phg.tbe.taleo.net/phg02/ats/careers/v2/viewRequisition?org=HGAC&cws=38&rid=1045>
 - Data Specialist- Land Use Modeling- <https://phg.tbe.taleo.net/phg02/ats/careers/v2/viewRequisition?org=HGAC&cws=38&rid=1046>

- GIS Analyst - Remote Sensing Analyst-
<https://phg.tbe.taleo.net/phg02/ats/careers/v2/viewRequisition?org=HGAC&cws=38&rid=994>
 - Principal Data Analyst- Data Automation & Visualization-
<https://phg.tbe.taleo.net/phg02/ats/careers/v2/viewRequisition?org=HGAC&cws=38&rid=1009>
 - Senior Data Analyst- Travel Demand Modeler-
<https://phg.tbe.taleo.net/phg02/ats/careers/v2/viewRequisition?org=HGAC&cws=38&rid=1034>
- The next GDW meeting will take place via Microsoft Teams on Wednesday, February 5th, 2025 at 9:30am CST.