

# ENTERPRISE GEOGRAPHIC INFORMATION SYSTEMS STEERING COMMITTEE MEETING MINUTES

Wednesday, February 2, 2022  
via Zoom  
9:30 AM – 11:00 AM

## Invitees

David Rainer <[darainer@ncsu.edu](mailto:darainer@ncsu.edu)>  
Lisa Johnson <[lhjohns2@ncsu.edu](mailto:lhjohns2@ncsu.edu)>  
Allen Boyette <[raboylett@ncsu.edu](mailto:raboylett@ncsu.edu)>  
Sarah Ketchem <[skketch@ncsu.edu](mailto:skketch@ncsu.edu)>  
Stan Martin <[stan@ncsu.edu](mailto:stan@ncsu.edu)>  
Sally Rau <[smroyo@ncsu.edu](mailto:smroyo@ncsu.edu)>  
Thomas Skolnicki <[tjskolni@ncsu.edu](mailto:tjskolni@ncsu.edu)>  
Laurel Krynock <[lwkrynoc@ncsu.edu](mailto:lwkrynoc@ncsu.edu)>  
Heath Huovinen <[hehuovin@ncsu.edu](mailto:hehuovin@ncsu.edu)>  
David Wynne <[dswynne@ncsu.edu](mailto:dswynne@ncsu.edu)>  
Andrew Futrell <[abfutrel@ncsu.edu](mailto:abfutrel@ncsu.edu)>

## Welcome and Introductions

Sarah Ketchem was introduced as the newest member of the Steering Committee, replacing Andy Snead. The other members, guests, and host presenters introduced themselves.

## System Upgrade - Accessing Portal with Shibboleth

An overview was presented of the of the system upgrade to ESRI ArcGIS version 10.8.1, including a new GIS Portal website (<https://go.ncsu.edu/gisportal>) accessible via the university single sign-on standard protocol, Shibboleth. [See *presentation materials*.]

The committee asked if Campus Police uses these maps. Answer: the Police does not manage any data via the Enterprise GIS system, but does have users with access to the available applications and data. The committee commented that the community at-large likely doesn't know that these resources are available and we should consider a marketing campaign. People looking at the on-campus map kiosks look confused. The idea of putting QR codes on the map kiosks, at bus stops, and Wolfline busses was discussed. The new signs being done by the Office of the University Architect do have the QR code on them.

## Utilities Implementation

A recap of utilities implementation was presented indicating that all relevant systems have been converted to being managed via the Enterprise GIS. Telecom and Natural Gas data could be developed with more detail if additional departmental buy-in and resources are allocated, but for the needs and purposes of the Facilities Division, these are considered complete. Then a demonstration of the Utilities Viewer showing all utilities was shown.

The committee asked how updates get into the system, specifically regarding Stormwater.

Answer: The Stormwater Working Group has not met in some time, but will be meeting soon to work out roles and responsibilities regarding these issues. *[Subsequently, the Stormwater Working Group was rebooted and met on February 18th.]*

A demonstration of the dashboarding capabilities of ArcGIS Portal was presented showing various attributes of the implemented utilities in different ways, including pie-charts breaking down year of installation, pipe materials, etc. Selecting different sections of the pie chart changed how these features were shown on the map.

Based on the dashboarding demo, the committee discussed what decision makers would want to see now and asked who would do the data analysis required. The ongoing Physical Master Plan project being led by the Smith Group may help answer these questions. The idea of an annual summary report for utilities was mentioned.

A member of the committee asked if their department should be hiring for a GIS skill set. Answer: Yes, ideally each partner department should have a person with GIS skills and goals on their work plan and working with Subject Matter Experts to own and maintain the GIS data relevant to their department within the system. Regular training and communication regarding system capabilities was mentioned as possibly being needed. Group training for the Utilities Viewer has occurred in the past, but has not occurred since before the onset of COVID-19 restrictions and should be restarted.

The committee asked when the dashboards would be available to everyone. Answer: the Portal website would be operational in about few weeks, then the dashboards would have to be migrated to the new site; anticipated in a couple of months.

### **Draft Summary of GIS Roadmap by representatives of Johnson, Mirmiran & Thompson, Inc. (JMT)**

Scott Howell and Mallory Gill of JMT presented their findings and recommendations. *[See presentation materials for details on the recommendations for the next 3 years.]*

The committee asked if the Provost's office was using these tools to help access space on campus. *[This point needs follow up.]*

Regarding the all-in-one application that was shown in the Roadmap presentation, the committee asked if that would replace other applications. Answer the application would probably be in parallel, but would integrate workflows from multiple systems. It will take some analysis to determine what would be involved to achieve that. JMT stated that the intent would be a one-stop URL that would have access to all of the applications, similar to the Portal site already discussed. The committee added that lumping all info into one application might be overwhelming and that allowing users to customize the data they need to access would be helpful.

### **Other Business**

Next meeting to be scheduled for February 2023.