ENTERPRISE GEOGRAPHIC INFORMATION SYSTEMS STEERING COMMITTEE
Friday, February 21, 2025
Held via Zoom
11:00 AM – 12:00 PM

Invitees

Amy Orders <aborders@ncsu.edu> unable to attend

Kim Vassiliadis <knvassil@ncsu.edu>

Lisa Johnson <lhjohns2@ncsu.edu>

Laurel Krynock <lwkrynoc@ncsu.edu>

David Wynne <dswynne@ncsu.edu>

Allen Boyette <raboyett@ncsu.edu>

Sarah Ketchem <skketche@ncsu.edu> unable to attend

Sally Rau <smroyo@ncsu.edu>

Jenny Korreck <jkbenedi@ncsu.edu>

Welcome

This was the 12th meeting of the Enterprise GIS Steering Committee. It began with an overview of its current membership, which will be reviewed in the coming year due to changes in the Environmental Health & Safety (EH&S) division.

Current Systems Status *[See presentation materials.]*

- An update on current system usage was provided, indicating that the number of total users has increased by 250 since the Portal was implemented in 2022.
- The number of users actively contributing to data collection and updates, and those creating GIS content, was highlighted. Content creation extends beyond the core GIS team to include individuals from Grounds, EH&S, and Transportation.
- Statistics on Campus Map visitors were presented, showing significant public user engagement.
- The task of locating and resolving all active buildings in GIS has been completed through a group effort with FIS. While other buildings remain to be addressed, the active ones are finalized. The current count of building footprints in GIS is 1,157.

2024 Highlights

Significant projects completed include:

- Utility Data Development: The migration of sewer and water databases from ArcMap to ArcGIS Pro was completed. New rules and functionalities were implemented to enhance data integrity and quality assurance/quality control (QA/QC). Editor training for GIS staff was also provided.

- Utility Inspection Workflows: The Hydrant Flow Test Dashboard is now live and provides real-time data from hydrant flow tests completed in the field.
- AED Data Development: EH&PS staff continue to update AED and fire extinguisher data using mobile field applications. These are highlighted on the AED and Fire Extinguisher dashboard.
- Inclement Weather Mapping: The GIS application was used for three snow events as well as a hurricane/flooding event. It tracks cleared areas and hazards on campus and has proven beneficial for operations.
- Greenspace Map: A publicly accessible application to support well-being is available at go.ncsu.edu/greenspaces.
- Campus OneMap: A demonstration highlighted the benefits of this new application, combining Enterprise GIS data on one map. A data discussion revealed that while the GIS group has the latest Leaf and Limb survey data, it's not yet in the tree layer. Involving the GIS group in initial project scoping could yield better results. Campus OneMap includes both public and secured data, requiring conversations with data owners to determine the distinction. The Steering Committee will review and approve the layers the GIS group has been asked to add to Campus OneMap. A suggestion was made to present Campus OneMap at a directors' meeting. Access to Campus OneMap was discussed; while the Steering Committee has access, staff are required to submit an access request form. Broader access and a streamlined access request process, such as a checklist for new employees across systems, including Campus OneMap, were discussed.
- Facilities by the Numbers Dashboard: This public dashboard at https://facilities.ofa.ncsu.edu/facilities-by-the-numbers/ was acknowledged positively.

Projects In Progress

Ongoing project activity includes:

- Campus Map Digital Accessibility Requirements: Efforts are underway to achieve WCAG 2.1 Level AA conformance by April 24, 2026. A vendor is addressing keyboard navigation and color contrast.
- ArcGIS Indoors: Progress continues on migrating CAD floor plans to GIS, focusing on migration workflows, QA/QC, integration with FM:Interact, and connecting interior assets to floors/spaces. Current statistics include 172 completed facilities, 573 floors, and 30,237 rooms.
- Chilled Water and Steam Data Migration by Avineon: The migration of these utility data sets from ArcMap to ArcGIS Pro will occur concurrently. These are the final two utilities that will need to be migrated to ArcGIS Pro.
- ComTech Needs Assessment by Timmons Group: This project will assist ComTech in determining the business and functional requirements to migrate telecom data mapping from CAD to GIS.

Budget Considerations

Several options for the remaining 2024-25 FY budget were presented:

- Campus Map Enhancements
  - Enhance search options
  - Parking capacity link (https://transportation.ncsu.edu/)
  - Improve construction staging pop-up
- Review back-end architecture
- Improved Indoors Viewer
- Student Intern to support Indoors

The GIS group recommended prioritizing some Campus Map enhancements and a back-end architecture review. Based on past performance, the GIS group's recommendations were supported. For the back-end review, a suggestion was made to explore options with OIT Hosted Services, as some tasks could be handled internally.

Other Business

The next meeting will be scheduled for February 2026.