



# What GIS community do you represent?

County

local government

State

State

State government

city

City

Company

City



# What GIS community do you represent?

State - NCDOR

DEQ

DHHS

GICC

State ncdot

State (OSBM)

State NC DIT

State - Agriculture

NC Secretary of State



# What GIS community do you represent?

Secretary of State  
(State Government)

Company

COG (regional, county,  
municipal)

Community and  
Economic  
Development

NonProfit

Engineering and  
surveying company

Local Government

Electric Utility

, State Archives/DNCR



# What GIS community do you represent?

System and security

Cloud

# Considering the stakeholders you represent on this council, what GIS needs are not being fully met?

Easy, predictable way to submit address & street updates to Google

Access to utility infrastructure

Need for GIS staff

an understatement of where data is located if it is not in NC OneMap

Smart Cities

24 hour power outage data

Severe lack of data for modeling natural hazards risk and resilience

System design and security

staffing and titles. governance



# Considering the stakeholders you represent on this council, what GIS needs are not being fully met?

LinkedIn account - share success stories and regular updates

infrastructure datasets

Planning and resiliency data

Request for well database for natural water resources and contamination

Actual GIS classification for GIS staff

Counties not updating their parcel data frequently

Need better communication regarding the various approaches/models for solving common problems/questions we want addressed

Cloud

System



# Considering the stakeholders you represent on this council, what GIS needs are not being fully met?

Education to understand utilization. Smaller firms seem to be unfamiliar with how to use our potential used for GIS data. They also have concerns regarding the accuracy of the data to use in engineering and survey applications.



# What data layers should we prioritize for update/completion/development over the next two years?

Hydrography

Hydo and building footprints

Municipal limits

Hydrography

Lidar

AddressNC - continue the good work!

Hydro

Jurisdiction boundaries

complete the hydro dataset and contours from imagery



THE STREETS ARE COLOURED ACCORDING TO THE GENERAL CONDITION OF THE INHABITANTS, AS UNDER:—

|                                       |                                  |  |                                       |   |                           |  |
|---------------------------------------|----------------------------------|--|---------------------------------------|---|---------------------------|--|
| Lowest class. Vicious, semi-criminal. | Very poor, casual. Chronic want. | Poor. 18s. to 21s. a week for a moderate family. | Mixed. Some comfortable, others poor. | Fairly comfortable. Good ordinary earnings. | Middle class. Well-to-do. | Upper-middle and Upper classes. Wealthy. |
|---------------------------------------|----------------------------------|--|---------------------------------------|---|---------------------------|--|

A combination of colours—as dark blue and black, or pink and red—indicates that the street contains a fair proportion of each of the classes represented by the respective colours.





# What data layers should we prioritize for update/completion/development over the next two years?

AddressNC

Hydrography, utilities, buildings, right of way

Route-able statewide, street dataset

building footprints

Updated building footprints

building footprints, lidar, municipal boundaries, emergency response apps

Work with federal partners to produce high resolution land cover data that is timely and keep the historical data for longitudinal analysis

Lidar

Private water wells

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# What data layers should we prioritize for update/completion/development over the next two years?

Voting/electoral districts

land cover

wetlands

Route able statewide roads

Private wells

social data (other than Census)

Sewer boundary areas

Land use/Parcel tagging

Underground utilities



# What data layers should we prioritize for update/completion/development over the next two years?

Public water supply boundary areas

derived data such as gentrification index

Statewide fire districts

Conservation districts

home owners insurance cost

Hydro, streams, wetlands, waterbodies

Public asset inventory and management and the standardizing of the data.

Municipal boundaries

statewide infrastructure

# What data layers should we prioritize for update/completion/development over the next two years?

people, training, money



THE STREETS ARE COLOURED ACCORDING TO THE GENERAL CONDITION OF THE INHABITANTS, AS UNDER:—

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# What problems or issues related to GIS should we investigate over the next two years?

Natural language processing coupled with GIS data capture

Indoor datasets

Autonomous mapping

NC has no OSHR classification for GIS jobs

Need to plan for massive # of retirements of GIS Professionals

Survey ALL unsurveyed county boundaries

Correct address points

recruitment and retention

Standardization of the collection and format of the data collected and provided.



# What problems or issues related to GIS should we investigate over the next two years?

Move from the title of GIS

YES - Survey ALL unsurveyed county boundaries

Continue to build up the GIS profession

More GIS positions to create/maintain GIS content/tools

Better decision making for USE of existing data to DERIVE meaning/solutions to problems. We used to call this DSS!

Portal to be able to collaborate on GIS projects/share the costs

GIS job classifications

Statewide effort to align census block groups to ETJ boundaries, traffic analysis zones, voting/electoral districts, other boundaries that need population/housing data/characteristics.

Educate management about GIS!



# What problems or issues related to GIS should we investigate over the next two years?

How to support smaller GIS teams in counties/munis/towns.

Legislative funding

Limited by politics

Share ESRI Enterprise infrastructure at a state level that could be used by smaller agencies that don't have capacity to pay or implement/manage that

Non DIT GIS positions and more business level GIS positions

GIS Help to communities that dont have the staff but have the needs

Lack of staff

Assuming consistent knowledge, awareness, capabilities for all stakeholders

Politics



# What problems or issues related to GIS should we investigate over the next two years?

Co acquire Orthoimagery and Lidar on same cycle

Lidar and Orthoimagery acquired in the same year cycles





PUNCH  
TODAY  
IN THE  
FACE.

# What are the barriers to our effectiveness?

Resources

Staffing levels

Only 24 hours in a day

Staffing

Staffing

Still having to explain what GIS is

Funding

Lack of staffing

Remaining at a software version a few years back

PUNCH  
TODAY  
IN THE  
FACE.

# What are the barriers to our effectiveness?

Resources

Unclear needs to determine what needs to be collected or used.

Management don't know the value of GIS!!

Funding

Entrenched attitudes (resistance to any change)

Educated staff

We need to get people in other departments to start their presentations with, "Using GIS, I was easily able to answer..." so management hears it over and over.

All of the above

Availability of partners to fully engage

# If this committee were given unlimited funding for GIS, what issue or data would you fund first?

STAFF, STAFF, STAFF!!!

Livable wages for GIS staff!

Survey ALL county boundaries

More Colleens

Dense LiDAR for effective AI/ML

More statewide datasets

Provide tutorials that support common questions the stakeholders are addressing

Unified data portal across all state and local data providers

Hydro and yearly statewide LiDAR

# If this committee were given unlimited funding for GIS, what issue or data would you fund first?

Education, standardizing, staffing, use cases for folks to develop ideas on how to utilize

ESRI ELA costs covered for all agencies

Lidar and Orthoimagery acquired on the same cycle