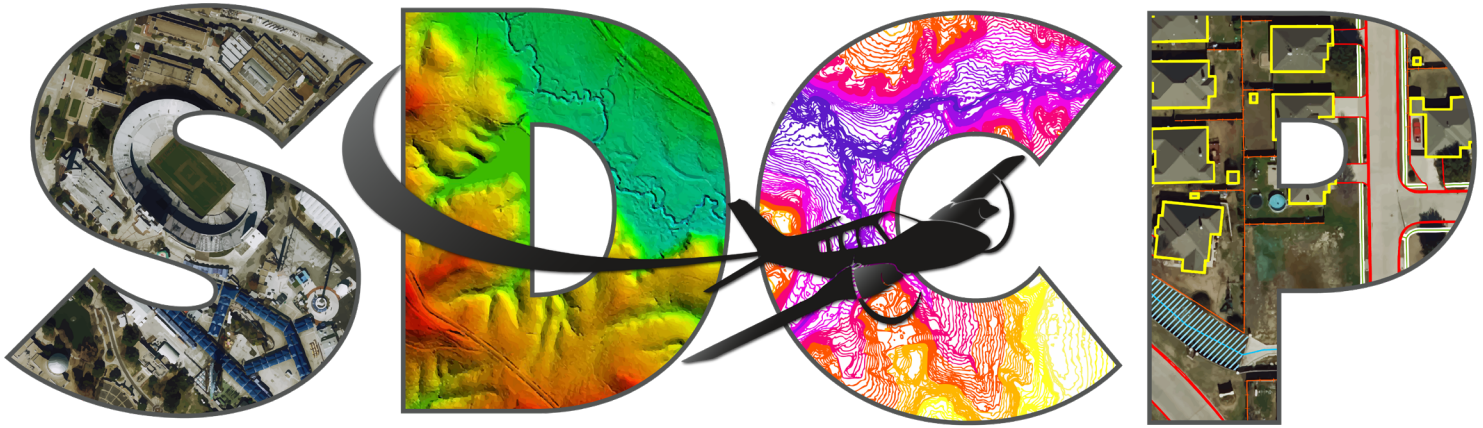
SPATIAL DATA COOPERATIVE PROGRAM AND MORE

Shelley Broyles - RIS Program Manager
NCTCOG

AGENDA

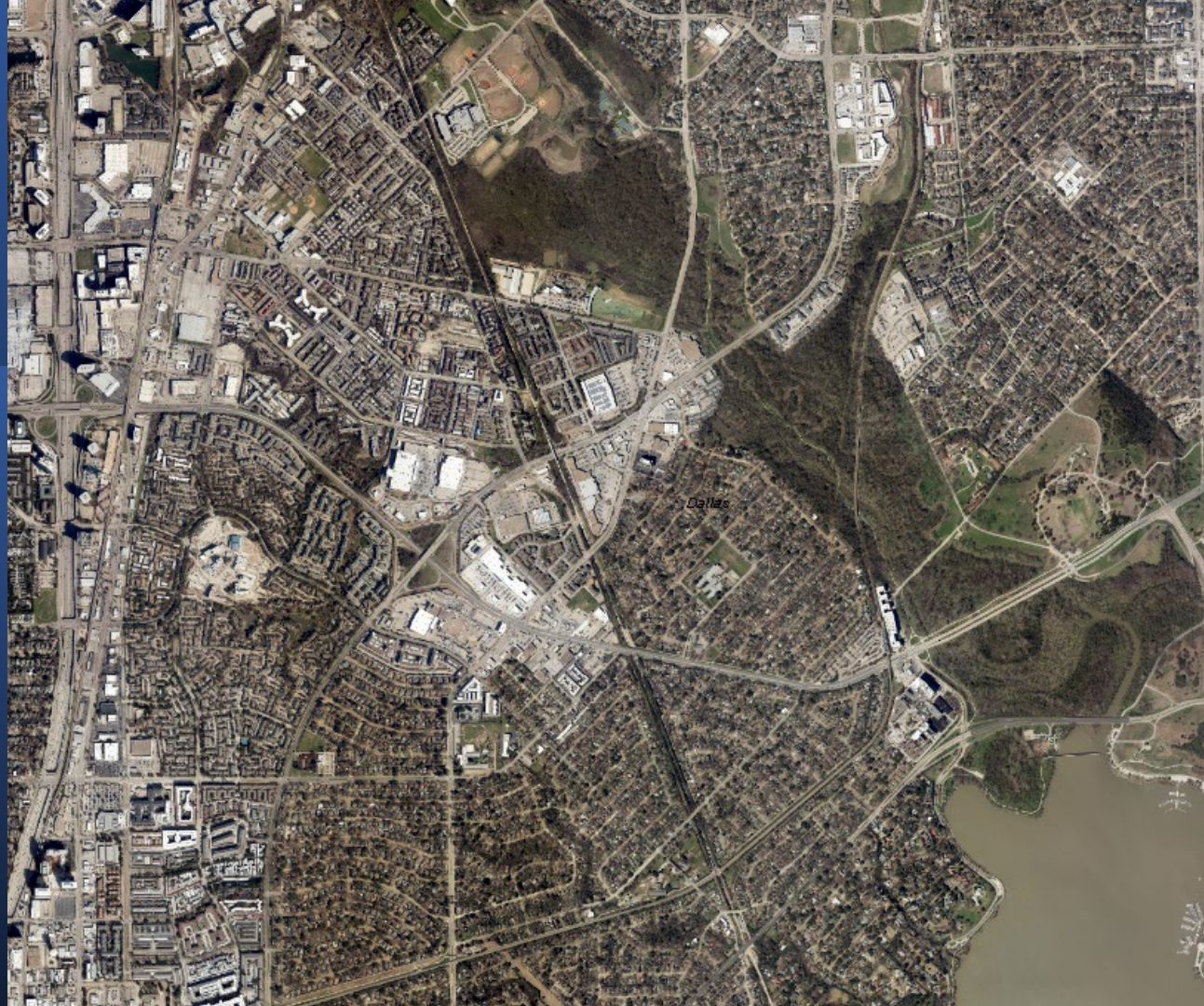
- Welcome & Introductions
- Brief overview of the Spatial Data Cooperative Program
- Upcoming Projects
- Results of Strategic Analysis
- NCTCOG TRANSPORTATION GIS – James McLane
- SCAUG – Garri Grossi



SPATIAL DATA COOPERATIVE PROGRAM

Remote Sensing Data

LiDAR&
Orthophotography



Derivative Products

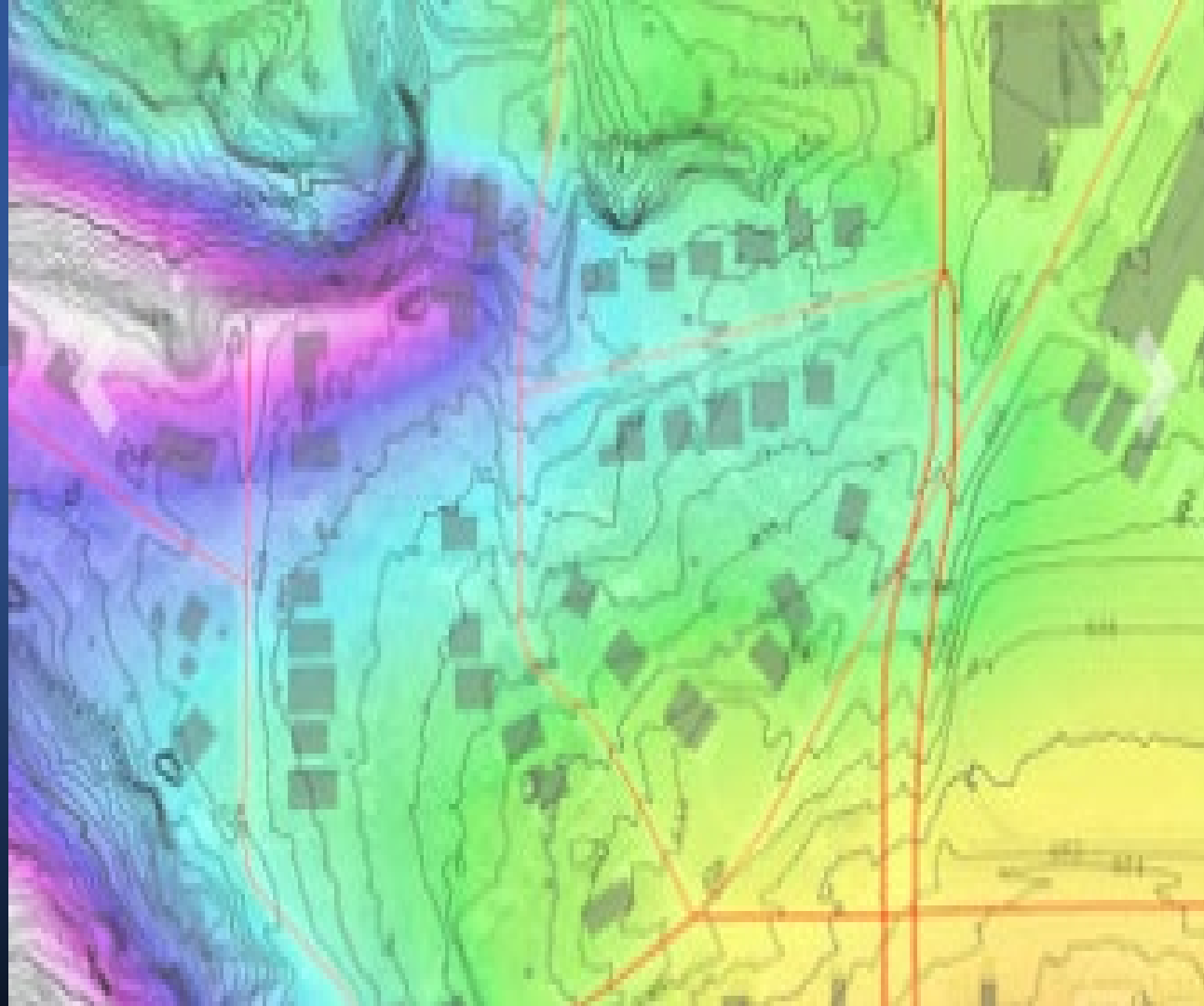
Contours

2D Planimetrics

Impervious Surface

Landcover/Landuse

3D Planimetrics

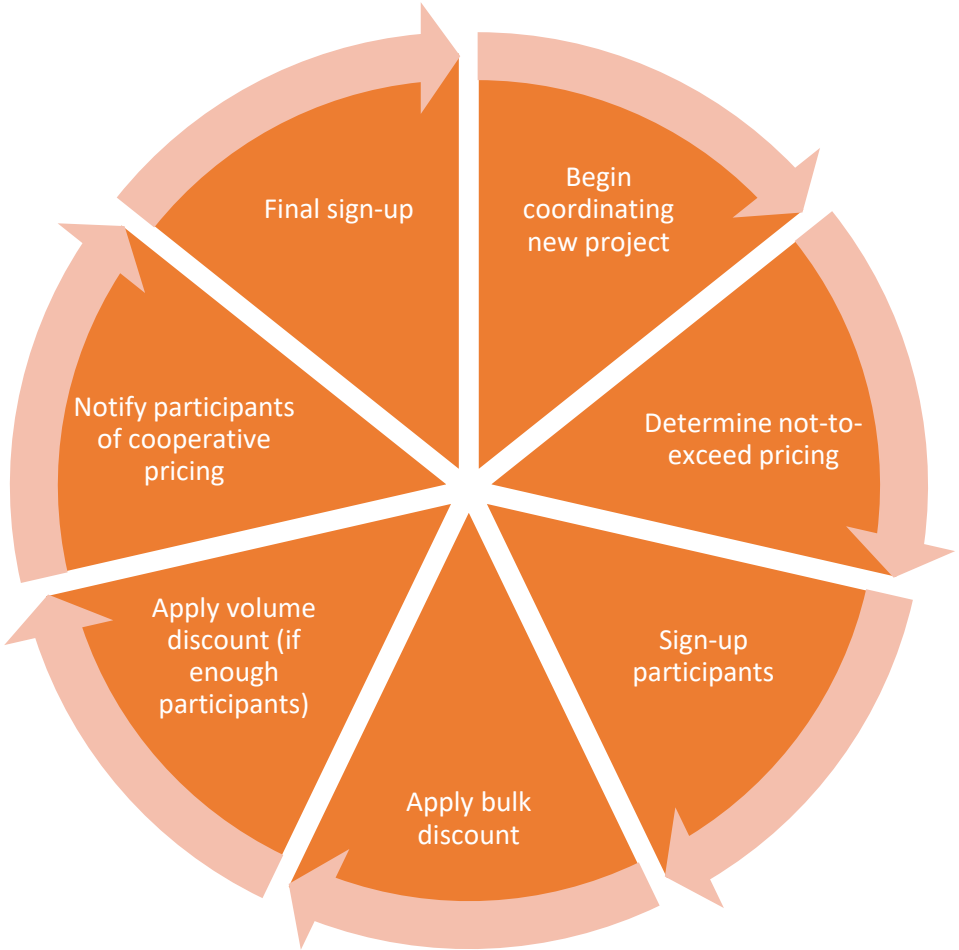


Current Vendors

WOOLPERT

NV5 Beyond Engineering

nearmap



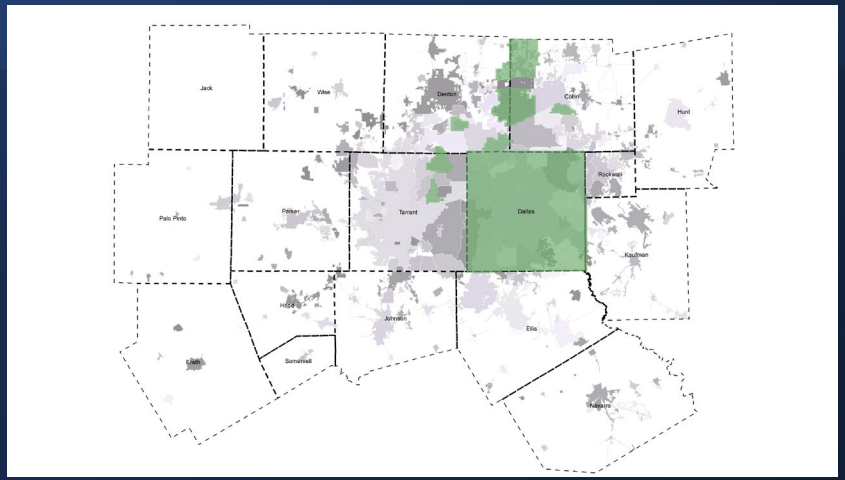
The Annual Cooperative Project Cycle

(We are at the end of the 2024 cycle – projects will begin in the next couple of weeks.

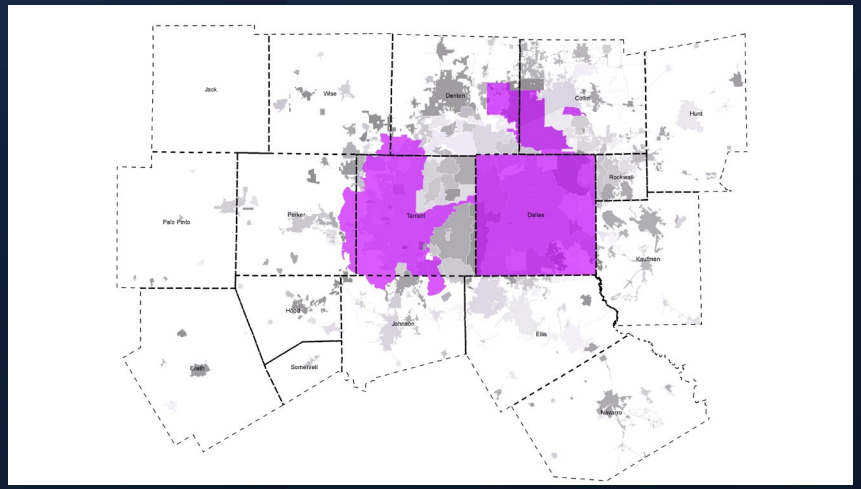
The 2025 cooperative cycle will begin early next year!)

2024 Projects

3-inch Orthophotography



0.5M LiDAR



Relevant SDCP & GIS Sites

SDCP Main Program Page - https://www.nctcog.org/regional-data/spatial-data-cooperative-program-sdcp

Regional Data Center - https://data-nctcoggis.opendata.arcgis.com/

DFWMaps Marketplace - https://purchase.dfwmaps.com/

STRATEGIC ANALYSIS

In recent years there has been a small but steady decline in participation. To understand why the RIS Department recently performed a strategic analysis.

This included determining the program's mission, vision, and core values; a macro analysis of the business environment; a market analysis of customer needs; an internal analysis of the agency and program; and a SWOT analysis to combine and fine tune the results. This information will be used to develop an action plan for strengthening and improving the Spatial Data Cooperative Program.

Program Mission

To provide current, high quality remote sensing and derivative data to North Texas at a fraction of the independent cost.

Program Vision

Affordable spatial data that soars above the rest!

Program Values

Regionalism - to build consensus and maximize regional unity with spatial datasets that extend beyond traditional boundaries.

Service - to identify the most useful and beneficial services and products for our partners and provide them in a courteous and timely manner.

Innovation – to provide the latest in remote sensing technologies to help our partners meet both existing and future challenges.

Ranking Customer Needs

(Based upon survey of program participants and marketplace customers)

CUSTOMER NEEDS	IMPORTANCE	PERFORMANCE
High Quality Data	6	5
Faster Turnaround	6	1
Better Marketplace Interface	5	3
Competitive Pricing	5	3
Interlocal Agreement	4	5
Flexible Invoicing	4	6
More frequently Updated Data	6	3
More Detailed Contours	5	1

SWOT Analysis

Issues Impacting the Program

- Slow turn around of data.
- Not enough frequency of data.
- Not enough resources or consistency of funding.

Strengths to Capitalize on

- High quality data that can used in wide range of applications and sectors.
- Unique regional aspect and strong reputation of NCTCOG.
- Cooperative pricing.

Potential Short and Long-term Action

- Invest in marketing and education
- Increase customer base to other sectors
- Improve ILA contracting and invoicing
- Find ways to speed-up turnaround of data
- Improve the online Marketplace
- Improve cooperative purchase process

Transportation GIS News

- New GIS and Data Solutions team now fully staffed
- Cleanup tasks for GIS data feeding RAPTS/RTR applications largely complete
- Updates coming to Traffic Counts application
- Plans underway to revive a traffic signal crowdsourcing application
- Work ongoing on a new public land dataset combining data from USGS PAD-US and parcel datasets
- Historical long-range plan digitization
- Investigating deep learning workflows
- Planning underway for Transportation's participation in 2025 SDCP

Contacts

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