

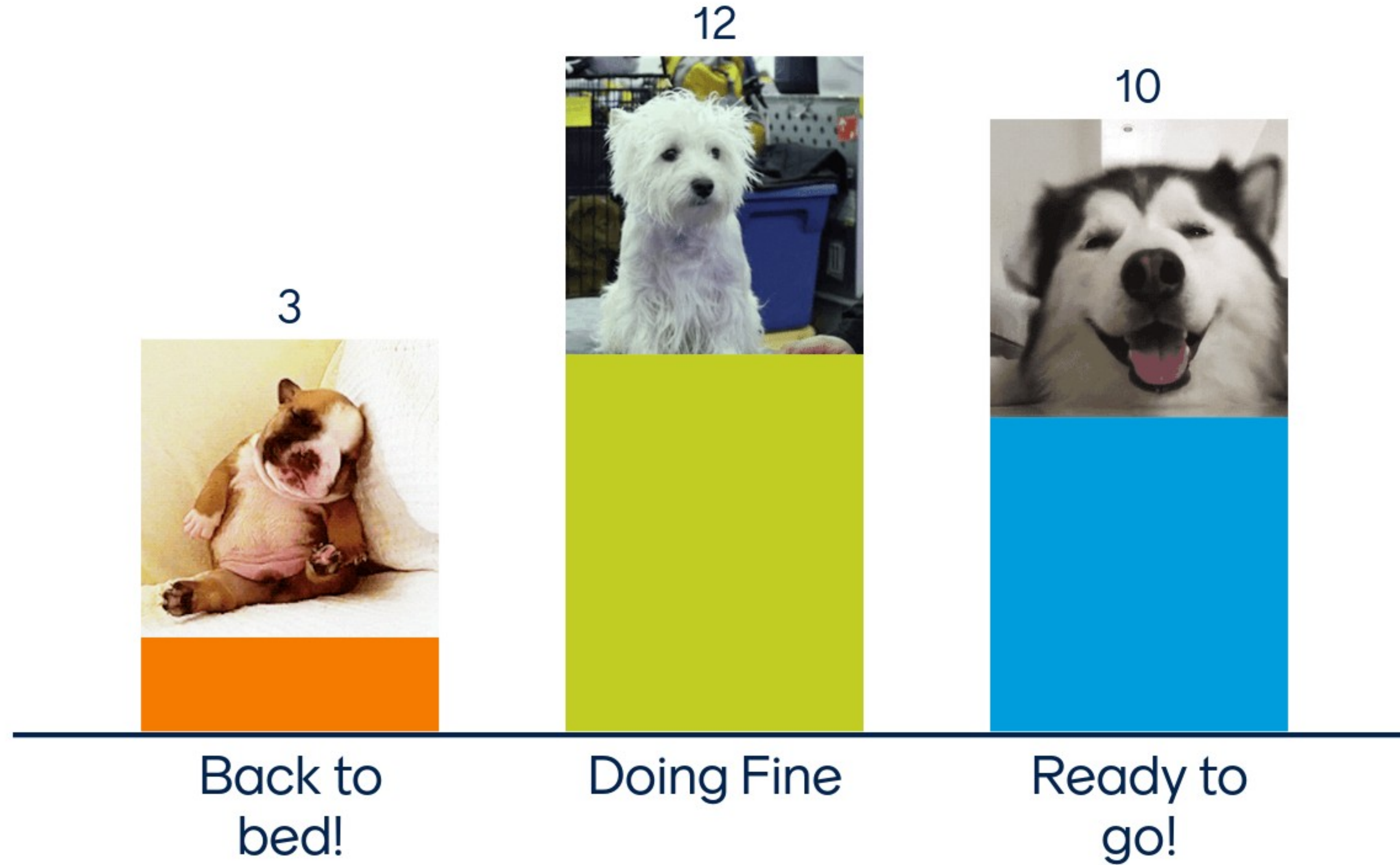
# REGIONAL CRASH DATA CONSORTIUM KICK-OFF

Erik Braaten | Emily Kleinfelter

Jacob Riger, AICP | Jenny Wallace, GISP



# How are you feeling this morning?



# AGENDA



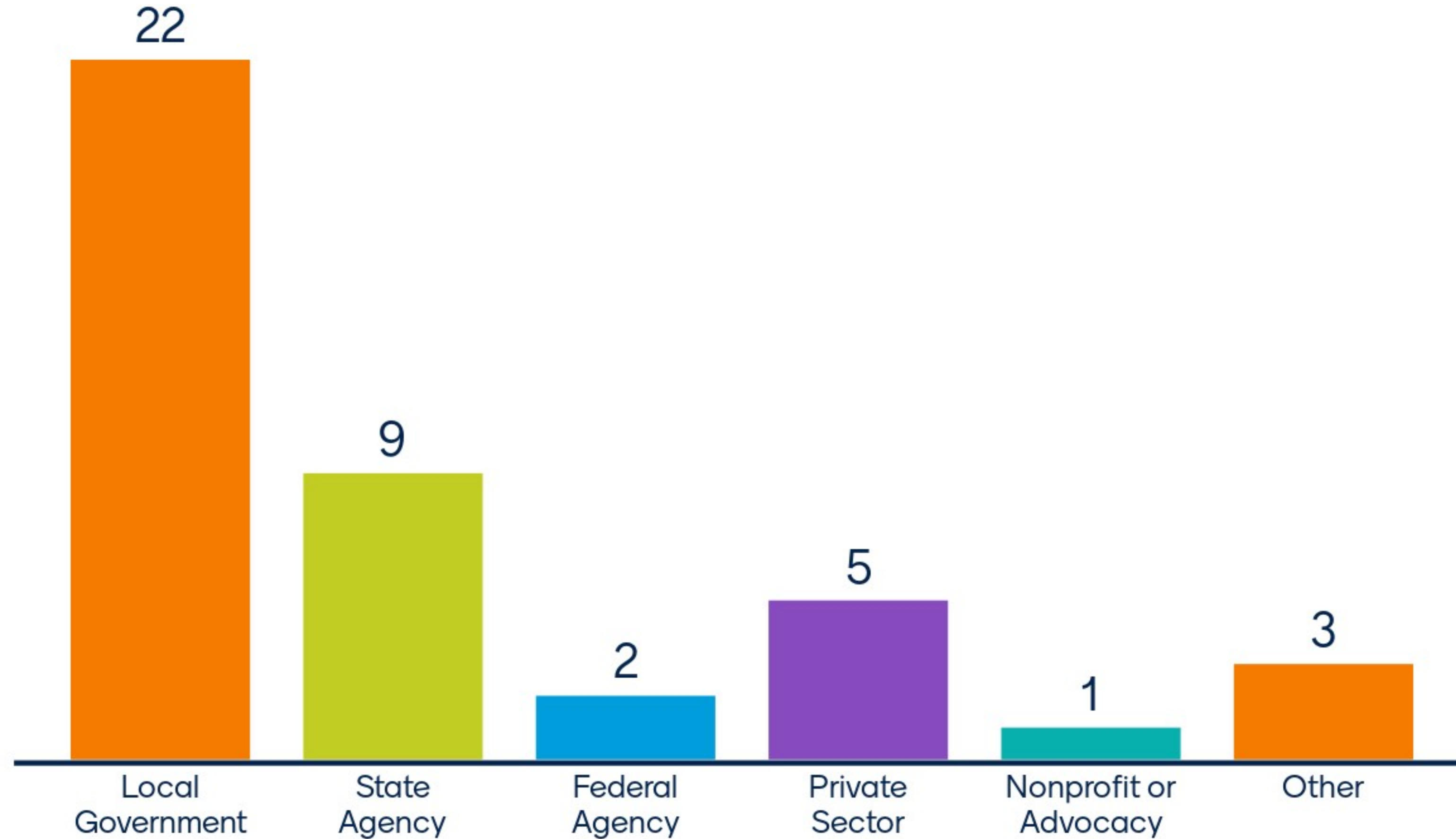
- Introductions
  - Erik Braaten, Emily Kleinfelter and Jacob Riger, DRCOG
- Consortium Concept and Goals
  - Erik Braaten and Ashley Summers, DRCOG
  - BoYan Quinn, CDOT
  - Brenda Hahn, NHTSA
- Short Break (5 minutes)
- Visioning Workshop
- Next Steps to Stay Engaged





# INTRODUCTIONS

# What kind of organization do you work for?



# INTRODUCTIONS



- Please add your affiliation behind your name and identify your organization and role in the chat!



# DRCOG'S PLANNING AREA

## Area

**Nine-plus counties:** Adams, Arapahoe, Boulder, Broomfield, Clear Creek, Denver, Douglas, Gilpin, Jefferson, Weld (partial)

**5,288 square miles**  
comparable to Connecticut

**809 square miles of urban area**  
(15% of total)

## Elevation

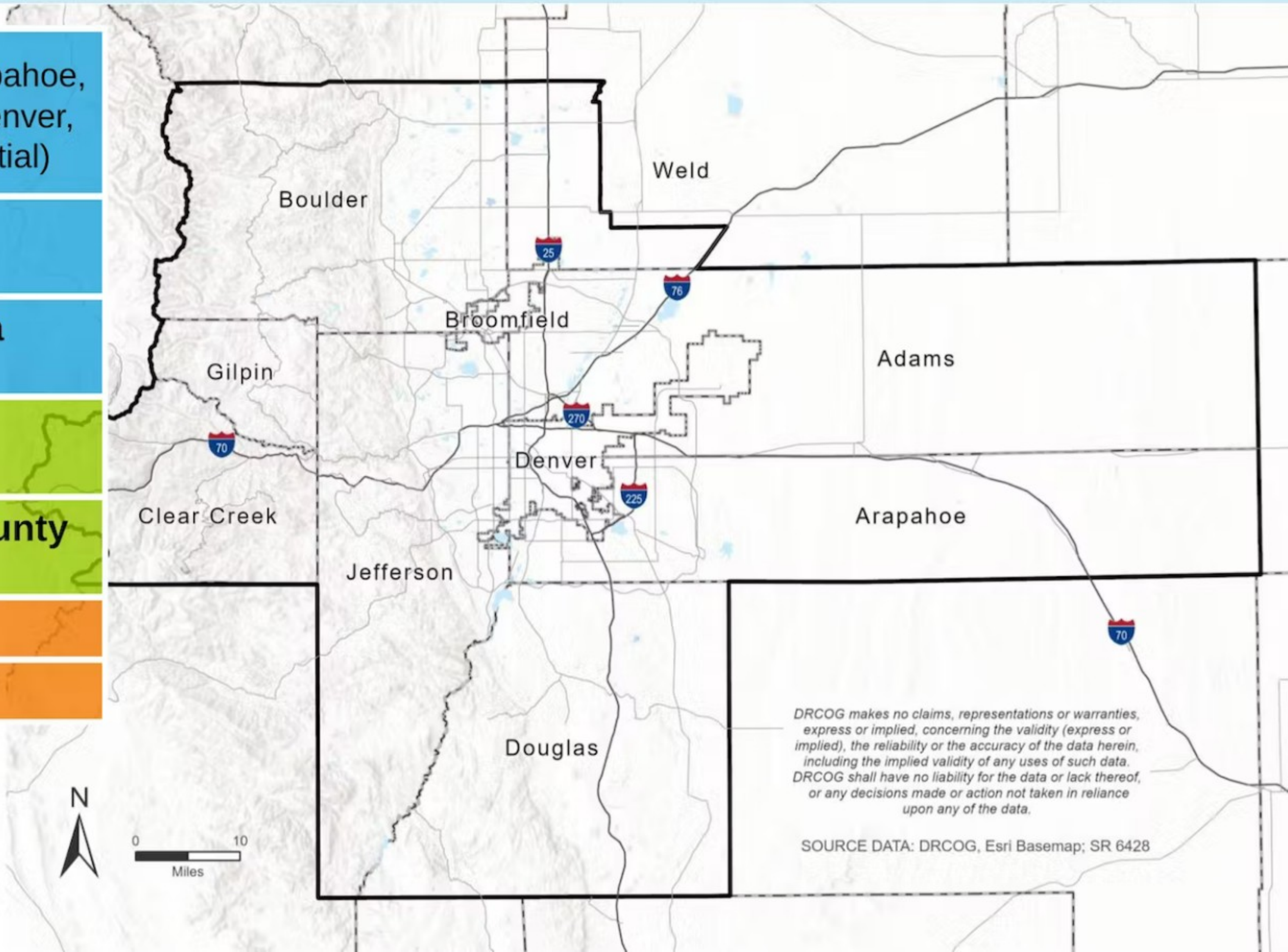
**From Grays Peak**  
(14,278 feet)

**To Badger Creek in Adams County**  
(4,505 feet)

## People

**3.3 million people**

**1.6 million jobs**





- **Mission:** The Denver Regional Council of Governments is a planning organization where local governments collaborate to establish guidelines, set policy, and allocate funding in the areas of:
  - Growth and development.
  - Aging and disability resources.
  - Transportation and personal mobility.
- **Vision:** Our region is a diverse network of vibrant, connected, lifelong communities with a broad spectrum of housing, transportation and employment, complemented by world-class natural and built environments.





# CONSORTIUM CONCEPT AND GOALS





# 405(C) GRANT



- 405(c) – State Traffic Safety Information System Improvements
- Denver Regional Council of Governments, DRCOG
- National Highway Traffic Safety Administration, NHTSA
- Colorado Department of Transportation, CDOT
  - Statewide Traffic Records Advisory Committee, STRAC



# 405(C) GRANT PRIMARY GOALS



- Investigate and demonstrate the value of a regional crash data consortium to inventory the needs of the region
- Work to identify and address common issues with crash data collection, processing, and analysis



# 405(C) GRANT PARTNERS



- BoYan Quinn, PE
  - Safety Program, Data and Analysis
  - Traffic and Safety Engineering Branch
  - Colorado Department of Transportation
- Brenda Hahn
  - Regional Program Manager
  - Department of Transportation
  - National Highway Traffic Safety Administration Region VIII

*Original speakers were unable to join, but information provided by Alyssa Herrin, CDOT, and Dahir Egal, FHWA.*



# CONSORTIUM MODEL EXAMPLE



- Successful precedent of regional data collaboration
  - Ashley Summers, PMP, GISP
    - Director of Strategic Implementation, DRCOG
- Denver Regional Data Consortium



# GRANT TIMELINE





# DELIVERABLES



- Inventory – January 2023
  - How are you currently using crash data?
- Needs Assessment – April 2023
- Final Report – September 2023
  - The feasibility of the regional crash consortium concept.
  - The continuation of the consortium beyond September 30, 2023.
  - Strategies for sustaining the consortium.
  - Strategies for improving crash data records accuracy and processing/timeliness.
  - Other relevant issues identified through this process.



# WHAT DRCOG HAS HEARD AROUND THE REGION



- DRCOG has been soliciting input through online surveys
  - Esri Survey123
  - Denver Regional Data Consortium
- Types of Questions Asked
  - What issues do you see with crash data cleaning, processing, and analysis?
  - What would you like to see the DRCOG crash consortium tackle?
  - Identifying information including organization and position



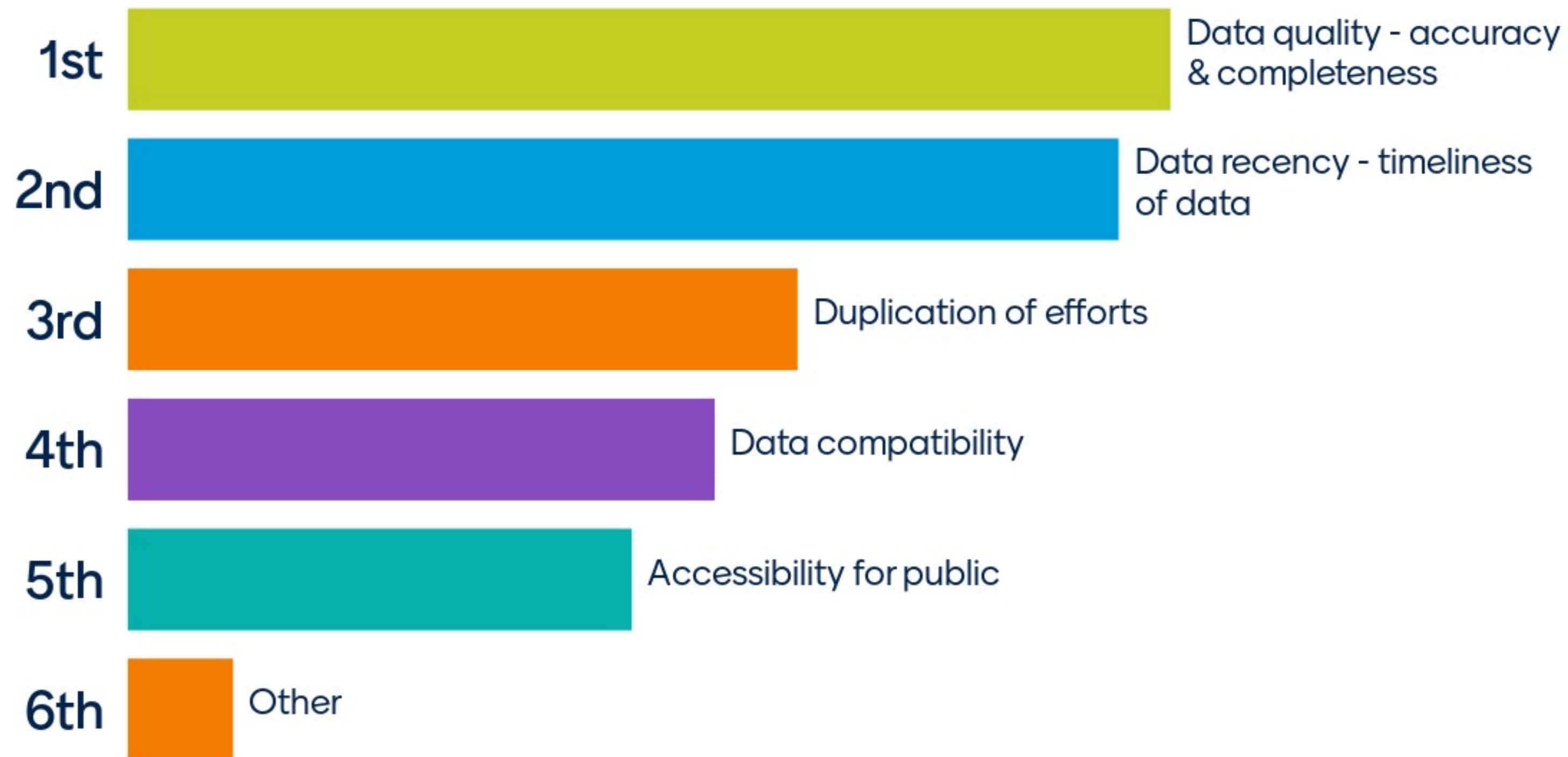
# WHAT DRCOG HAS HEARD AROUND THE REGION



- “What issues do you see with crash data cleaning, processing, and analysis?”
  - Duplication of efforts – including siloed data
  - Data quality – accuracy, consistency, completeness (unreported crashes and missing data) and standardization, especially when it comes to lat-long and other location variables
  - Data recency - Most recent years not available; processing is lengthy; delays in making data available
  - Data compatibility – difficulty in linking or combining data sources
  - Accessibility for general public



# Of the following, please rank what you see as the main issue with crash data cleaning, processing, and analysis regionally?





# WHAT DRCOG HAS HEARD AROUND THE REGION



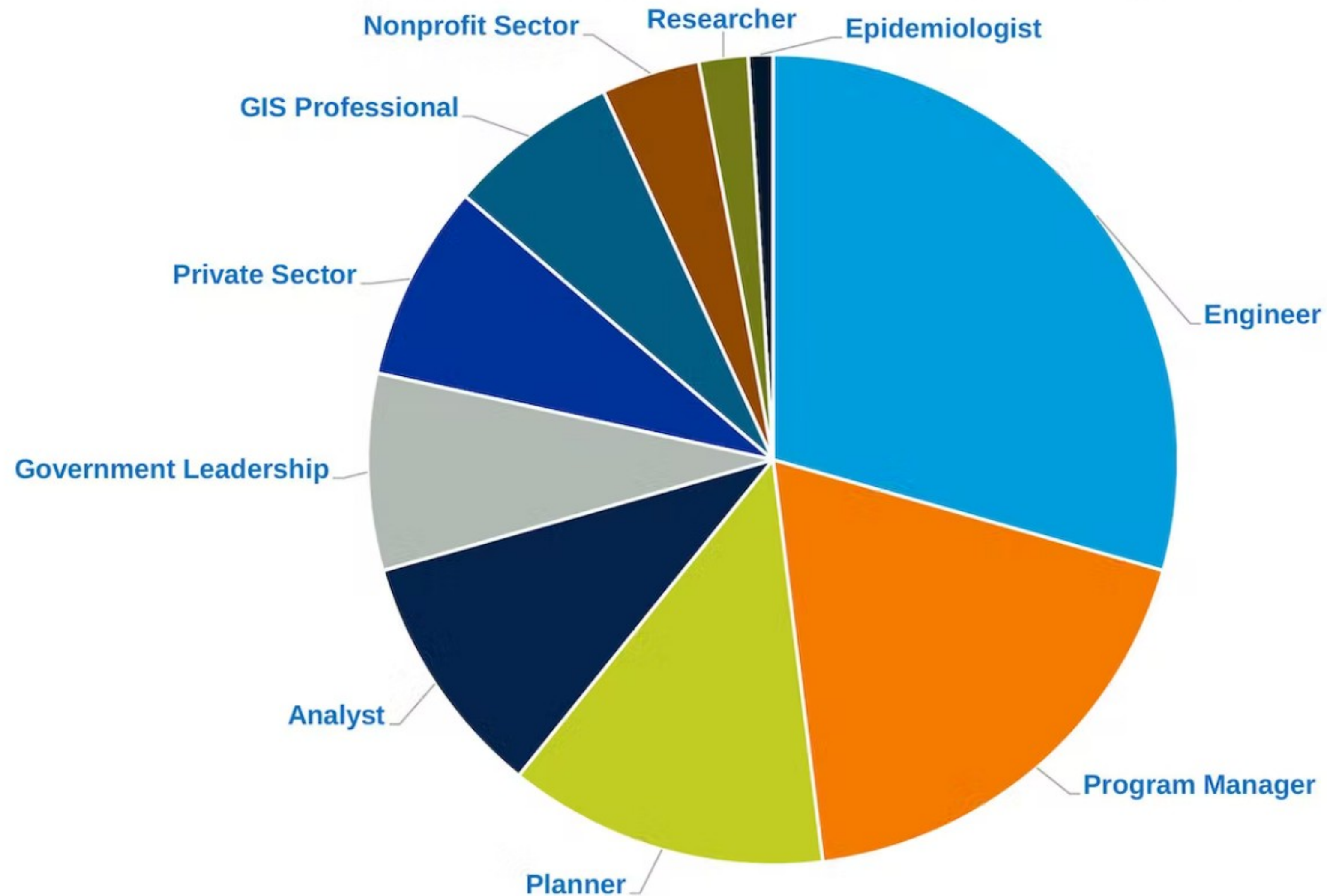
- “What would you like to see the DRCOG crash consortium tackle?”
  - Consistency of data/data collection
  - Access to related data – impairment, geospatial, EMS data
  - Policy recommendations to mitigate common crash types.
  - Post – implementation study – Are we actually improving safety?
  - Test strategies for minimizing types of crashes.
  - Access to accurate, consistent, and current data in a timely fashion.
  - Common data source.
  - Less duplication of effort.
  - Standardized system for collecting and extracting data.
  - Crash trends.
  - Shared tools and processes.



# WHAT DRCOG HAS HEARD AROUND THE REGION



Types of positions represented in survey responses

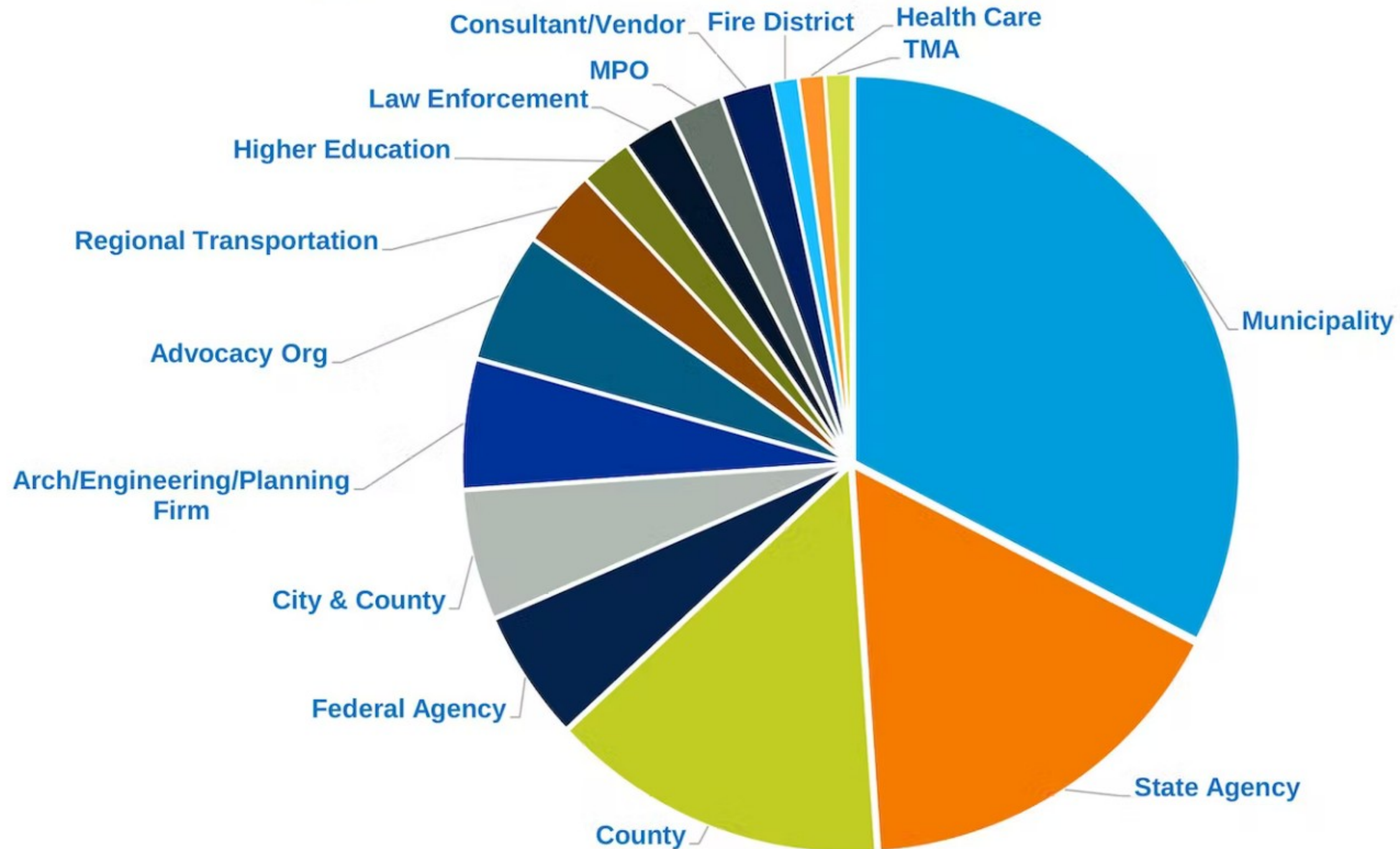




# WHAT DRCOG HAS HEARD AROUND THE REGION



Types of organizations represented in survey responses







## SHORT BREAK (5 MINUTES)





# VISIONING WORKSHOP





# VISIONING WORKSHOP



- Objective
  - Hear what is important to stakeholders gathered today about crash data collection, processing, analysis and other uses
  - Share ideas about what could be the vision and mission of a regional crash data consortium
- Participants will be randomly assigned to a breakout session for 30 minutes
- Report back to group about breakout discussions





# NEXT STEPS TO STAY ENGAGED





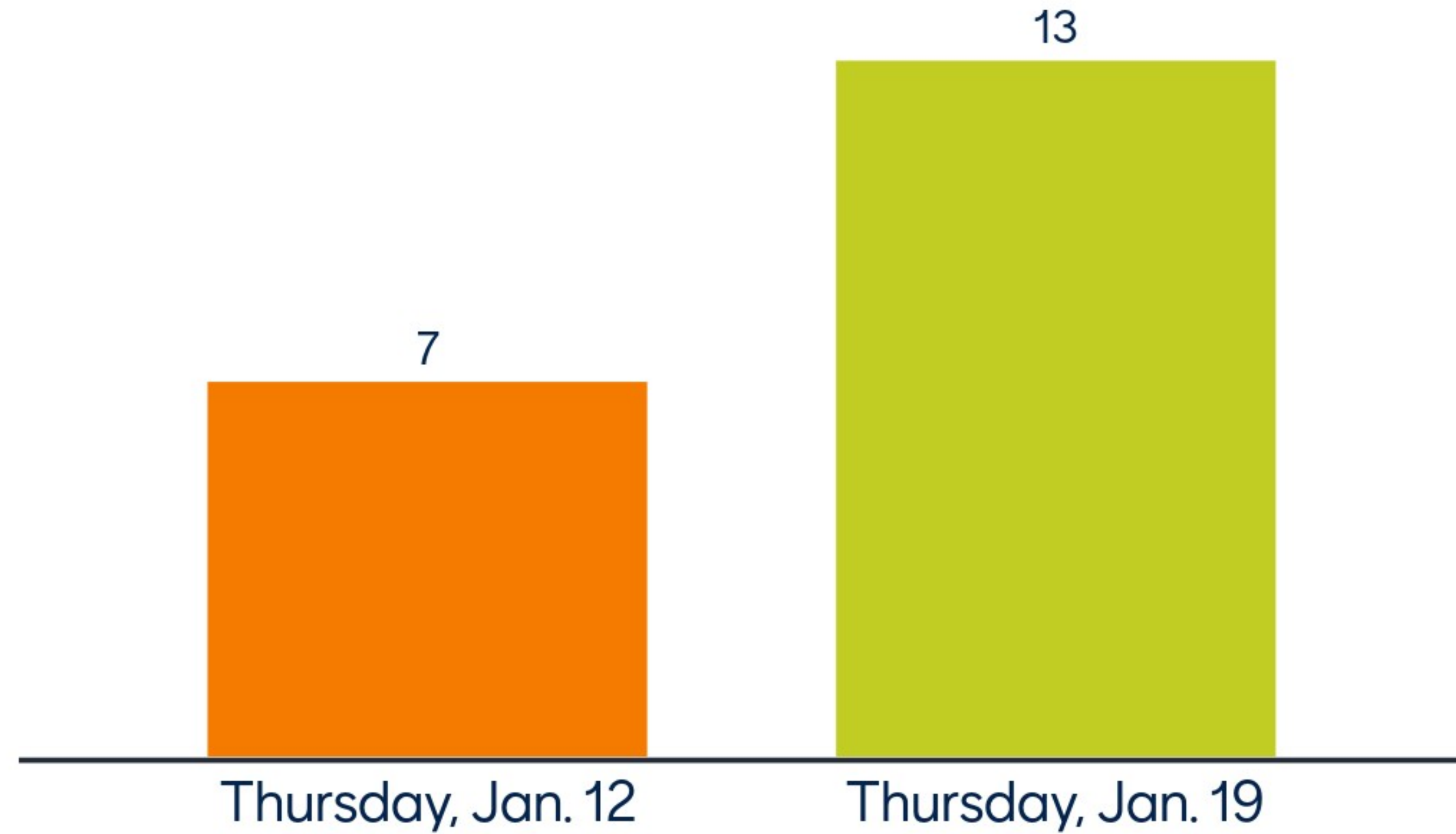
# SHORT-TERM



- Brief Survey
  - Open Nov. 14 through Dec. 9
- Direct conversations
- DRCOG will seek feedback on vision, mission and guiding principles developed with your help
- Next consortium meeting date to be determined
  - Planning for Jan. 12<sup>th</sup> or 19<sup>th</sup>



# Which day would work best for the next meeting?





# ON-GOING



Milestone	Estimated Start Date	Estimated Completion Date
Consortium kickoff and finalize charter	November 1, 2022	December 30, 2022
Perform inventory of crash data sources, pain points, and use cases	December 1, 2022	January 31, 2023
1 <sup>st</sup> Triannual consortium meeting	TBD	January 15, 2023
Perform needs assessment of crash data	January 31, 2023	April 30, 2023
Publish report of inventory and needs assessment	TBD	April 30, 2023
2 <sup>nd</sup> Triannual consortium meeting	TBD	May 15, 2023
Develop solutions and implement	May 15, 2023	September 20, 2023
3 <sup>rd</sup> Triannual consortium meeting	TBD	September 30, 2023





**THANK YOU!**  
**QUESTIONS?**