National Collaboration

Bicycle, Pedestrian, and Accessibility Infrastructure Data

May 30, 2024

U.S. Department of Transportation
Office of the Secretary of Transportation

Bureau of Transportation Statistics

FGDC.GOV
FEDERAL GEOGRAPHIC DATA COMMITTEE

Facilitators

Co-Chairs
- **Anat Caspi**, University of Washington
- **Bahar Dadashova**, Texas A&M Transportation Institute
- **Jeff Whitfield**, Centers for Disease Control and Prevention

Bureau of Transportation Statistics
- **Grace Bowen**, ORISE Fellow
- **Cyrus Chimento**, ORISE Fellow
- **Jay Davis**, Presidential Innovation Fellow
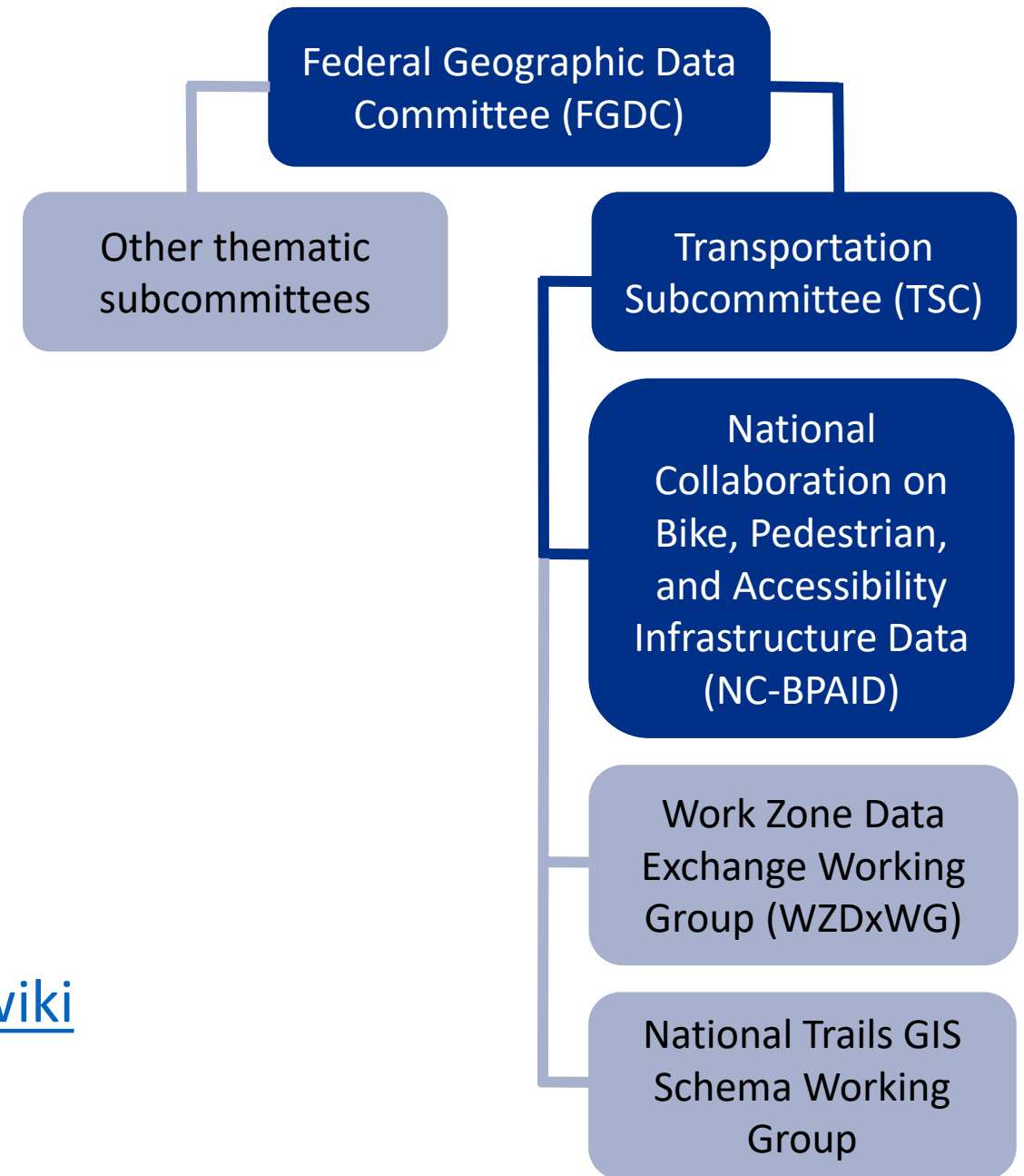- **Justyna Goworowska**, Spatial Transportation Data Analyst

Housekeeping

- Please stay muted to reduce background noise. If you would like to speak or ask a question, please raise your hand and unmute when acknowledged.

- Type any questions you have into the chat. We will be monitoring the chat and will respond or raise your questions.

- Please type your affiliation in the chat.

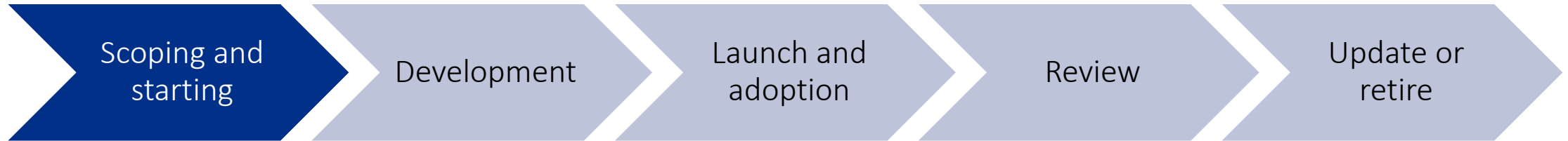- Post-meeting content will be available within about a week at: https://github.com/dotbts/BPA/wiki

Context

- Why are we here?
- Why is the Bureau of Transportation Statistics (BTS) facilitating?
- What happened at the last meeting?

Details: https://github.com/dotbts/BPA/wiki

Federal Geographic Data Committee (FGDC)

Other thematic subcommittees

Transportation Subcommittee (TSC)

National Collaboration on Bike, Pedestrian, and Accessibility Infrastructure Data (NC-BPAID)

Work Zone Data Exchange Working Group (WZDxWG)

National Trails GIS Schema Working Group

Context

Scoping and starting → Development → Launch and adoption → Review → Update or retire

Tasks
- Decide on the aims and objectives
- Choose the development method
- Plan the development

(Some) Expected Outputs
- Communications channels
- Scope, features, and use cases
- Governance methods
- Development plan

Objectives of Today's Meeting

1. Propose a revised collaboration framework for adoption.

2. Develop a more in-depth understanding of the top data representations by learning about active implementations and discussing NC-BPAID's future direction on this topic.

3. Identify optimal subgroup configurations for NC-BPAID.

Agenda

Welcome	5 minutes
NC-BPAID status updates and actions	5 minutes
Open floor for announcements	5 minutes
Presentation - Francine Waters and Marshall Stevenson (Maryland DOT)	20 minutes
Presentation - Anat Caspi (University of Washington Taskar Center for Accessible Technology)	20 minutes
Discussion	20 minutes
Subgroups Discussion	15 minutes
Closing	<1 minute

NC-BPAID Updates

- New co-chair: Bahar Dadashova, Texas A&M Transportation Institute

- Use Case Discovery

- Adopting a revised [collaboration framework](#)
  - Vote on GitHub
  - 1 week voting period
  - Majority of *participating* voters
  - No quorum, due to being online

Open Floor for Announcements

Presentations

- **Motivation:** Why did you choose this data representation? What are its benefits?

- **Implementation:** What data do you collect? How do you collect it? How do you store it? How do you keep it up to date?

- **Use Cases:** What tasks does this format enable for your organization? What are the successes and challenges?

- **Interoperability:** Can you convert this data to other formats? Have you done this? What tools do you use to accomplish this?

- **Sharing:** Do you share your data with any other specific users? What are their needs?

Discussion

- What resonated with you from these presentations?

- What would you push back on from these presentations?

- Where do either presenters' implementations diverge from yours (or your use case)?

NC-BPAID subgroup configurations

Option #1
- Specification development
- Data practices
- Outreach
- Use case review teams, e.g.:
  - Trip planning and navigation
  - Safety analysis
  - ADA compliance
  - Asset management

Option #2
- Bicycle
- Pedestrian
- Accessibility

Other options
- Both?
- Neither?

Thank you!

Next full meeting: Thursday, June 27th @ 3pm ET

Suggestions? Email Cyrus (cyrus.chimento.ctr@dot.gov) or open an issue on GitHub (https://github.com/dotbts/BPA/issues)!

U.S. Department of Transportation
Office of the Secretary of Transportation

Bureau of Transportation Statistics

FGDC.GOV
FEDERAL GEOGRAPHIC DATA COMMITTEE