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FMTF Model Advancement Committee Meeting Minutes

**Date:**  **Tuesday, May 9, 2023**

**Time:**  **1:00 P.M. – 2:00 P.M. EDT**

**Where:** **TEAMS Web Conference**

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| **Attendee** | | **Agency** | |
| |  |  | | --- | --- | | Cesar Segovia | AECOM/FTE | | Chunyu Lu | GM2 | | Dan Beaty | HNTB | | Dan Macmurphy | Traf-O-Data | | Heath Lupton | Cambridge Systematics | | Howard Slavin | Caliper | | Hui Zhao | CTS | | Jack Klodzinski | AECOM/FTE | | Jeanette Berk | Gannett Fleming | | Jerry Graham | Traf-O-Data | | Ken Kaltenbach | Corradino | | Krishnan Viswanathan | WRA | | Lakshmi Gurram | Charlotte MPO | | Merih Wahid | Manatee County | | Michael Escalante | Gainesville MPO | | Min-Tang Li | Broward County | | Mohammed Hadi | FIU | | Naveen Eluru | UCF | | Paul Flavien | Broward MPO | | Qian (Cherry) Xiong | EXP | | Ramachandran Balakrishna | Caliper | | Rob Schiffer | Metro Analytics | | Roberto Miquel | WRA | | Rodrigo Mesa-Arango | High Street Consulting | | Sheldon Harrison | Cambridge Systematics | | Srinivas Varanasi | Corradino | | Stephen Lawe | RSG | | Terry Corkery | FDOT Central Office | | Thomas Hill | FDOT Central Office | | Tom Rossi | Cambridge Systematics | | Tyler Blair | EXP | | Vladimir Majano | FDOT Central Office | | Xia Jin | FIU | | |  | |
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## Development of a high-resolution statewide socio-demographic, land use, and economic development framework for transportation planning – Dr. Naveen Eluru, UCF

* Dr. Naveen Eluru provided a presentation on the FDOT research project focused on developing a standardized high-resolution statewide sociodemographic (SD), land use, and economic development model.
* Further detail on the project can be found in the accompanying presentation.
* Questions:
  + Can this statewide approach be used for regions and regions alone?
    - Yes, it will be provided for the entire state, but it will be clear how you can select your region of choice.
  + Has this effort been shared with the Districts and MPOs?
    - Not yet. Central Office (CO) wants to get a firmer hold on the product and have something more substantial to show before rolling it out.
  + What will be the input data requirements for forecast scenarios?
    - The research team will be parameterizing the relationships with the data. Forecasts will be built out in five-year increments and algorithms developed to run and test this.
  + How does this work with the Census Transportation Planning Package (CTPP)?
    - While Census data was used in this effort, the CTPP wasn’t used. There is some overlap, but it won’t be exactly the same.

## Florida Statewide Model (FLSWM) Status Discussion

* The FLSWM is being phased out.
* Recognizing that there’s some use for the model for through trips for regional model development, CO is planning to extract FreightSIM as its own component.

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## Overview of FSUTMS NextGen – Thomas Hill, Terry Corkery

* Terry Corkery provided an overview of the history of FSUTMS, dating back to 1980.
* Our current FSUTMS standards have served us well in the past, but are in need of an update given the current landscape of the modeling practice in Florida.
* The idea behind FSUTMS NextGen (NextGen) is to broaden our user base outside of just the modeling community.
  + We need to pull in more planners through visualization and making our models more usable by non-modelers.
  + We need to define what our models should do and how we do other aspects of modeling.
* NextGen will also seek to accommodate advances in data science, which includes but is not limited to the following:
  + Big Data analytics, dashboards, and visualizations.
  + Short-term forecasting
  + Multimodal modeling
* Like the current FSUTMS, NextGen will be a set of guidelines that modelers and model users are encouraged to follow, but not required.
* The development organization of NextGen is comprised of four groups, the Internal Technical Team, FDOT Stakeholders, the Working Group, and the Model Task Force (MTF). Their makeup and roles are as follows:
  + Internal Technical Team
    - Members
      * Technical staff developing FSUTMS NextGen.
    - Role
      * Identify existing standards and guidelines to be retained, modified, or discarded.
      * Identify new standards and guidelines that need to be developed.
      * Develop and communicate standards and guidelines to other groups and receive feedback.
  + FDOT Stakeholders
    - Members
      * District Model Coordinators representing the Department’s interests.
    - Role
      * Attend informational sessions on FSUTMS NextGen progress.
      * Communicate updates on progress to District management and local stakeholders as needed.
  + Working Group
    - Members
      * MTF committee chairs and members representing the modeling community’s interests.
    - Role
      * Attend FSUTMS NextGen Working Group meetings.
      * Provide guidance to the Internal Technical Team on which standards and guidelines to pursue.
      * Review developing standards and guidelines and provide comments.
  + Model Task Force
    - Members
      * Full MTF membership
    - Role
      * Review final FSUTMS NextGen standards and guidelines.
      * Adopt FSUTMS NextGen Implementation Plan during the MTF meeting.
  + These groups will work individually and together to develop and review our updated standards, with active communication between them.

**Notable Dates and Announcements**

* Bentley Cube license support ends on October 30, 2023
* Model Task Force will be held November 7-9, 2023 in Orlando, FL at the usual Embassy Suites on Jamaican Court.
* LRTP updates are coming up and scopes need to be developed.
  + Use CO as a resource if you need help in your LRTP scope development. CO can’t tell you what your model is or what it should do, but is available as a sounding board for ideas and thoughts.