



Activity-based Modeling in Florida:

What is happening now?



presented to

Model Advancement Committee

presented by

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ABM Implementations (1)

Jacksonville & Tampa Models [RSG]

DaySim – CUBE

Get the models ready for the LRTP starting in 2013

Jacksonville

Data processing is 60% done

Estimation will start within the next 2-3 months

Initial calibration will be ready by late summer

Tampa-

Data processing is 80% done

Estimation will start within the next 2-3 months

Initial calibration will be ready by fall/winter.



ABM Implementations (2)

SERPM Model [PB]

CT-RAMP – CUBE

Kickoff: August 2011

Expected Operational Date: End of 2012

Currently Transferring the San Diego ABM parameters

To be Calibrated / Partially re-estimated to/with travel patterns from NHTS data



ABM Research

- UF & USF
- Can the 2009 NHTS data support the development of ABMs for different regions in Florida?
- What type of models can be developed using the available data?
- How can we standardize procedures for activity-based modeling in the state?
- Not focused on any one metro region / Not focused on any one family of ABM





ABM Research

- Reviewed three operational ABM Families: DAYSIM, CT-RAMP, CEMDAP
- Reviewed literature on model transferability
- Cleaned and Processed the NHTS Add-on Data to Construct & Characterize Tours
- Data Issues and Approaches for Building an ABM for a non-major-metro area
 - The Polk County effort



ABM Training

Introduction to Activity-Based Modeling

- 1.5 Day course
- Taught by faculty & consultants
- Intended to help practitioners understand *any* ABM
- Not a hands-on training of a specific model

Jacksonville (Feb 22-23)

Over 30 attendees

Miami (March 21-22)

Tampa (April 18-19)



Agenda for Today

- Part I (Pinjari / Srinivasan)
- Summary of NHTS data processing efforts
- Using NHTS data for ABM development in non-major-metro areas: the Polk County Example
- Part II (Bhat / Pendyala)
- New(er) ABM Features: The SCAG Experience
- Common and emergent modeling practice: Thoughts for Florida's future with ABMs





Announcement

**4th TRB Conference on
Innovations in Travel Modeling
April 30 – May 2
Hyatt Regency, Tampa, FL.**

**Over 40 presentations covering all modes
Three workshops (SHRP II, Freight, and NHTS User Forum)**

Invited Speakers include:

**Robert Romig (Administrator, Intermodal Systems
Development, FDOT), Opening session, April 30**

Ananth Prasad (Secretary, FDOT), Luncheon Speaker, May 2

