

# BTS - LEHD Pilot Study

**Bureau of Transportation  
Statistics**

**LEHD Staff**

**Wende Mix, Westat**

# Project Goals

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- **Develop a prototype model of local, state, and federal cooperation to produce annual Home to Work flow relationships**
- **Complementary products to ACS and decennial journey to work data**
- **Demonstration of model over 1 year period.**

# Description

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- **Illinois and Florida are participants in this research.**
- **Enhancing ES-202 data for better establishment address geocodes.**
  - **Accuracy requirements - establishments geocoded by Census to roof top or block face level.**

**FOR MORE INFO...**

**LEHD Staff**

# Description

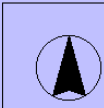
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- **Geocoded residential information linked to establishments**
- **Create work flow summaries at a TAZ-like level.**
  - **Actual summary level to be determined based on confidentiality requirements.**

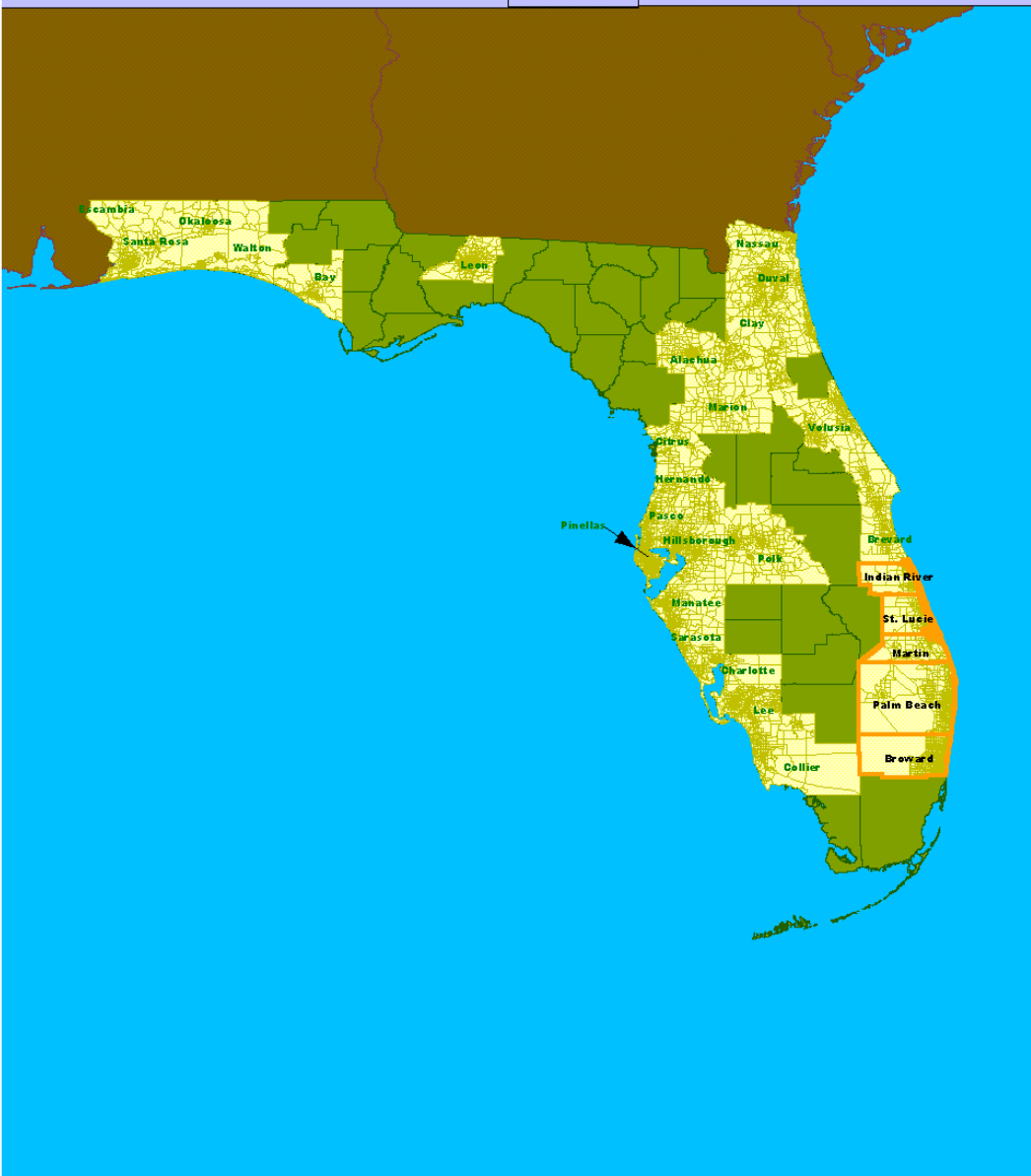
**FOR MORE INFO...**

**LEHD Staff**

# LEHD FLORIDA

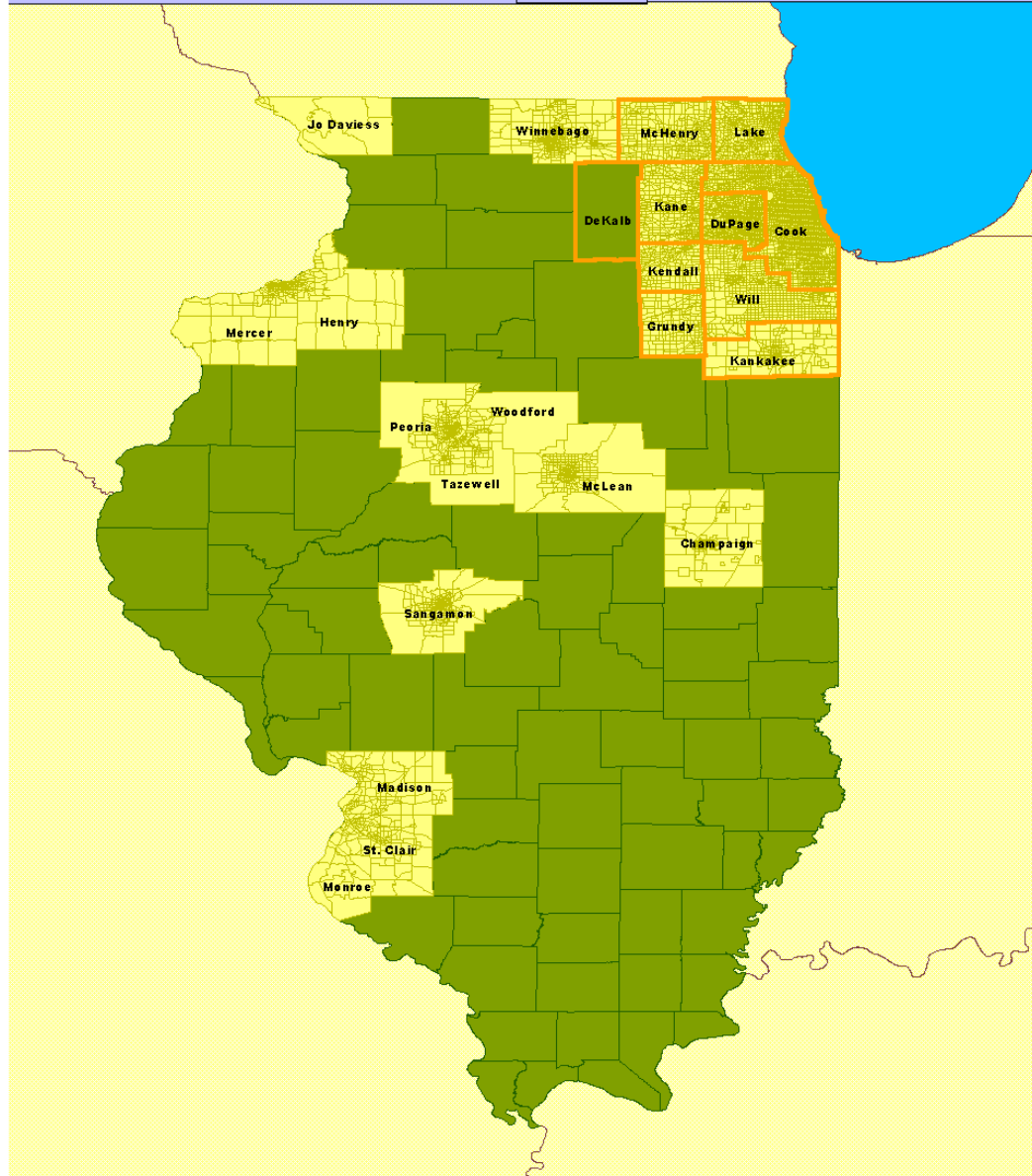
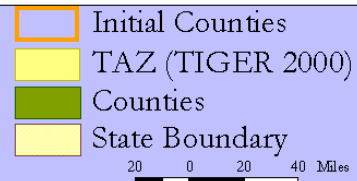
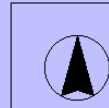


- Initial Counties
  - TAZ (TIGER 2000)
  - Counties
  - State Boundary
- 30 0 30 60 Miles



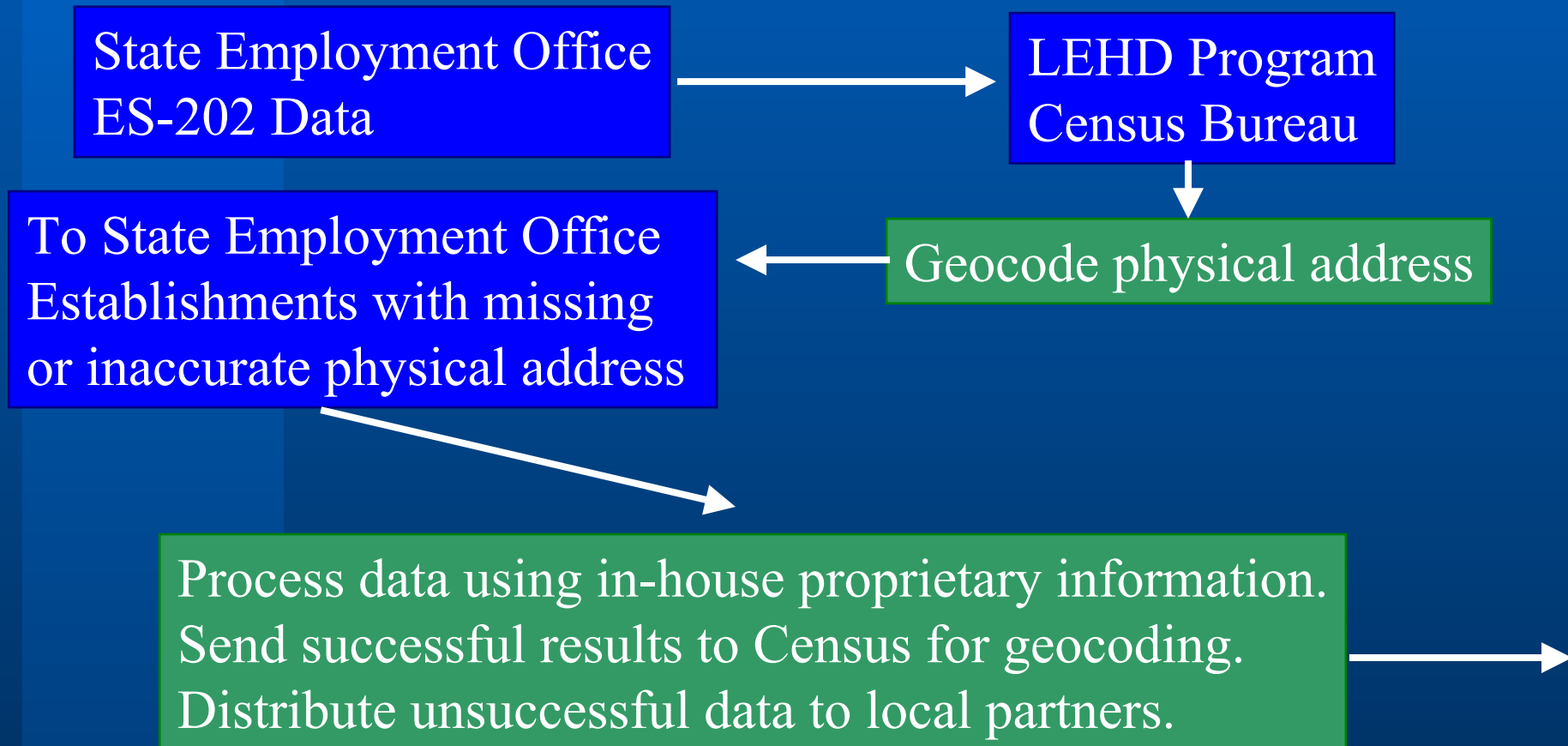
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# LEHD ILLINOIS

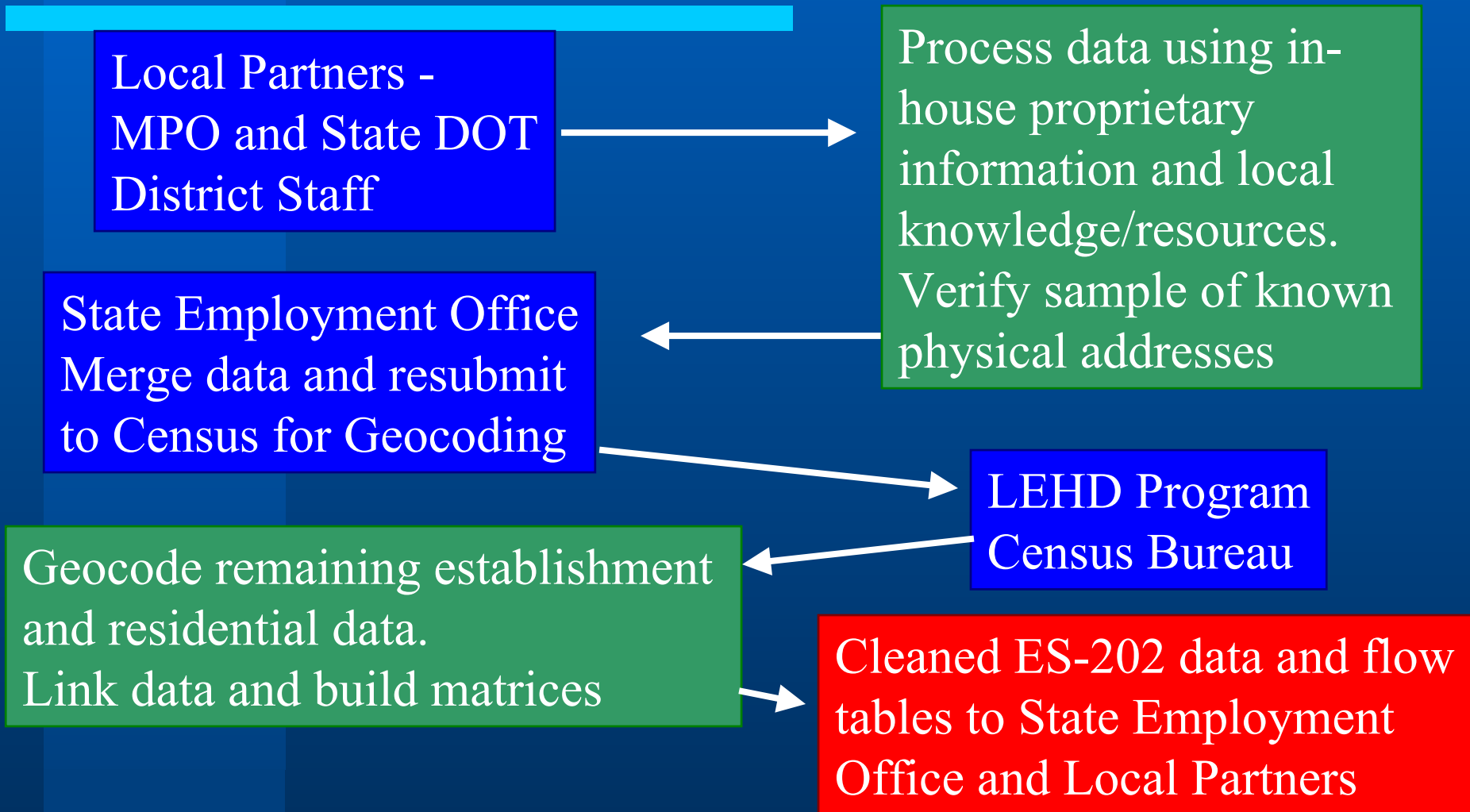


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# Work and Data Flows



# Work and Data Flows





# Current Status

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- **Slightly behind schedule**
  - **Coordination between federal, state and local partners achieved**
  - **Both states currently have data to work with**
- **Start-up slowed by confidentiality agreements, contract issues, and holiday season.**

# Issues

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- Preparation of data for geocoding and submittal to states
- Approach to prioritize and assign establishment records for cleaning
  - Data quality, Size, SIC, Type
- Development of TAZ-like areas
  - Base geography, confidentiality, model development
- Start-up versus maintenance costs

# Future Research

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- **Cost/benefit analysis of process**
- **Modeling variance of cell estimates.**
- **Link with ACS and decennial journey to work data to model transportation variables**
- **New models and analysis**
  - **Seasonality of labor force - when and where part-time or seasonal workers impact the transportation system**
  - **Multiple job workers - potential work to work flows**
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# Contacts

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- **Julia Lane and Ron Prevost, LEHD  
Census**
- **Caesar Singh, BTS**
- **Wende Mix, Westat**
  - **wendemix@westat.com**
  - **301 - 610-4816**