

OnTheMap: Data and Tool

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Seattle, WA
June 17, 2010**



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U.S. Census Bureau
Longitudinal Employer-Household Dynamics

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QUICK LINKS	WHAT'S NEW?
<ul style="list-style-type: none"> Tools Release Schedule OnTheMap Version 4 (Help) QWI Online (Help) Job Gains/Losses Industry Focus Older Worker Profiles 	<ul style="list-style-type: none"> 05/27/10: OnTheMap Version 4.1 Released 05/13/10: OnTheMap Version 4.1 Coming 04/21/10: New OnTheMap e-Learning Module Available 03/22/10: 2010 LED Partnership Workshop Successfully Conclud 02/26/10: OnTheMap Data Available for HTTP Download <p>2010 LED Partnership Workshop Click here to send an email to join the OnTheMap listserv.</p>

<http://lehd.did.census.gov>

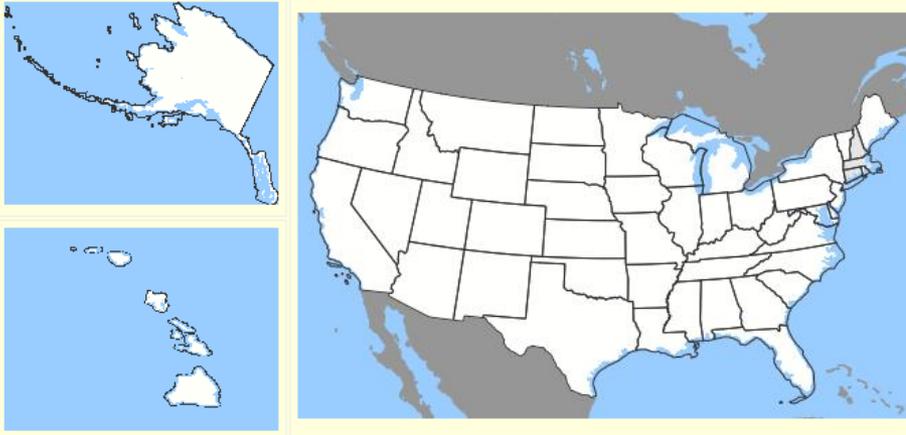
U S C E N S U S B U R E A U

Outline

- OnTheMap – the online tool
 - History
 - Features
- OnTheMap – the underlying data
 - Beyond censuses and surveys
 - Integrated and synthetic data
 - Future role in statistics

History of Selected OnTheMap Releases

Major Versions	Release Date	Participating States	Data Coverage
1.0	02/03/2006	14	2002-2003
1.1.2	12/05/2006	17	2002-2003
2.0	04/15/2007	3	2002-2004
2.3	09/30/2007	42	2002-2004
3.0	09/04/2008	45	2002-2006
3.2	12/15/2008	46	2002-2006
4.0	12/14/2009	47	2002-2008
5.0	12/13/2010	48	2002-2009



OnTheMap™

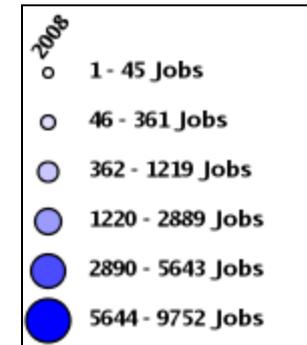
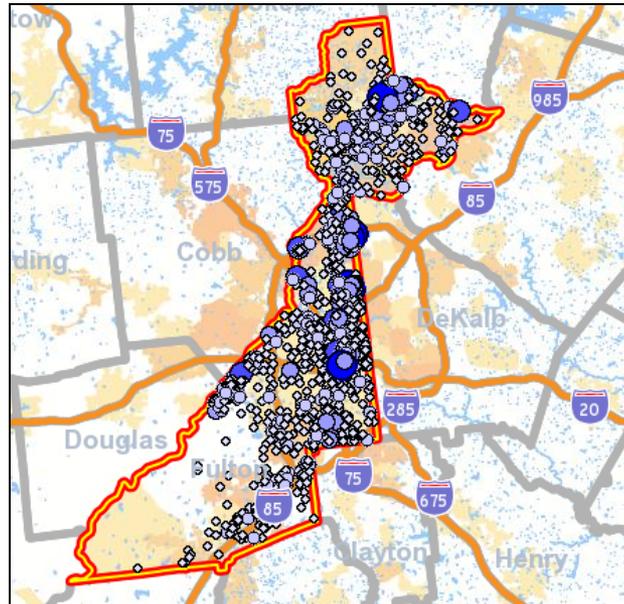
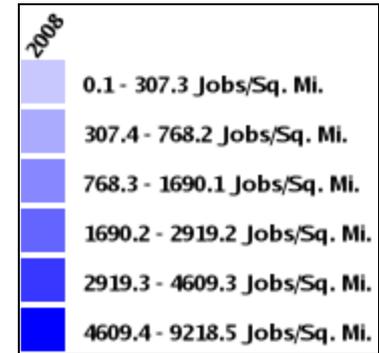
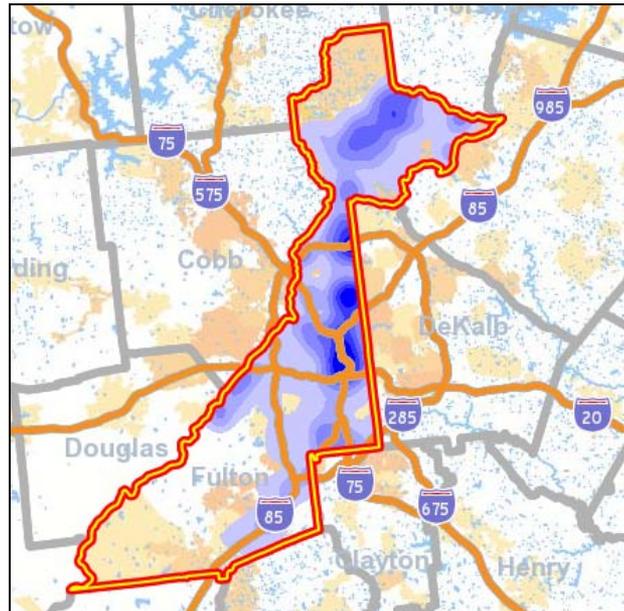
LED's online dynamic mapping and reporting tool

- ✓ Where do workers live or work?
- ✓ Cross-state flows
- ✓ 47 states online
- ✓ 2002-2008 annual data
- ✓ Analyzes/Reports on age, earnings, and industry
- ✓ Defined areas, freehand, or import/export files
- ✓ UN recognition as a major US statistical innovation in 2009
- ✓ Census Block based
- ✓ Innovative disclosure protection
- ✓ Free and available 24/7
- ✓ Easy visualization of massive data

Where workers work in Fulton County, Georgia

Other selectable defined layers

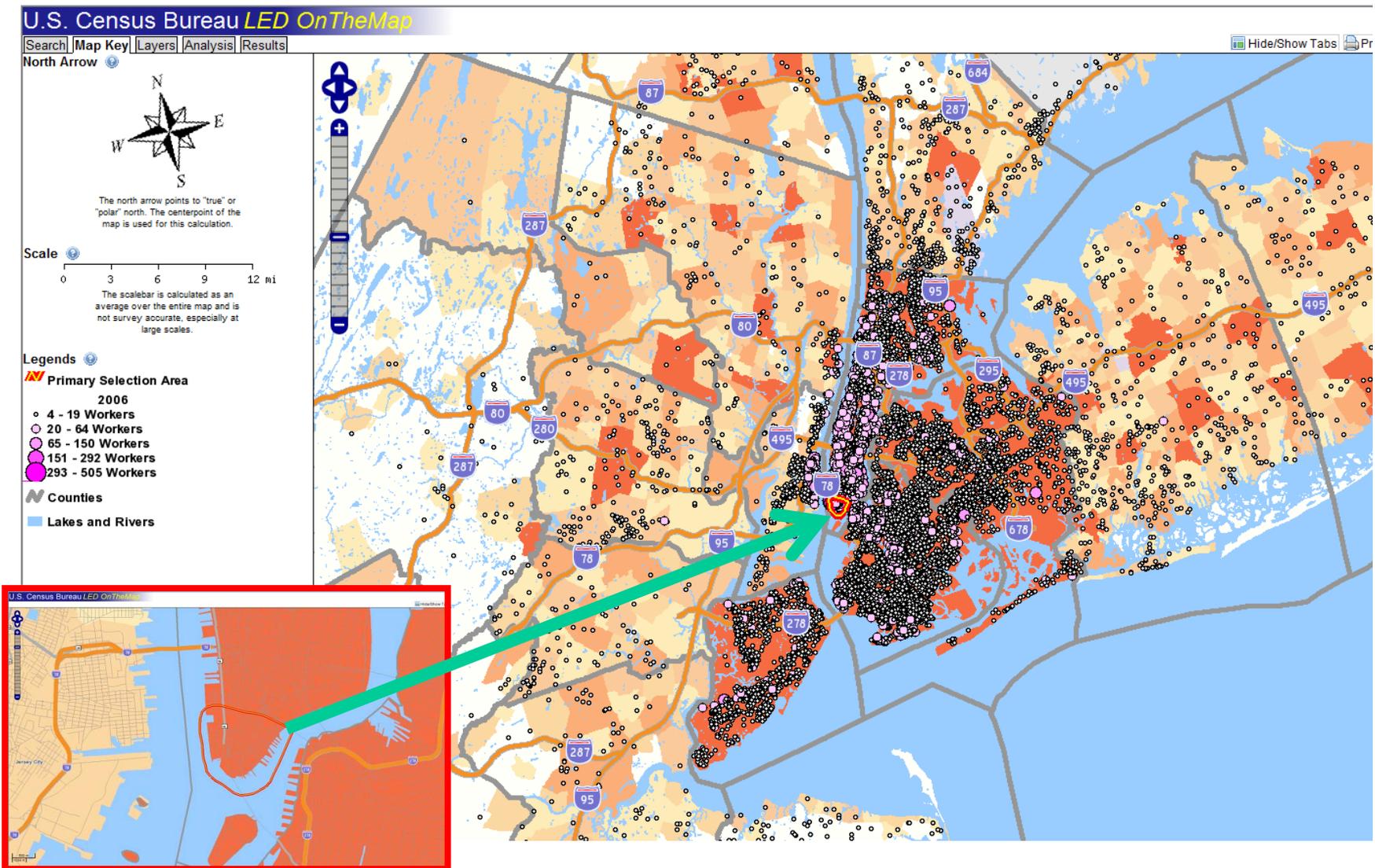
- Places (Cities, CDPs, etc.)
- Counties**
- County Subdivisions
- Metropolitan/Micropolitan Areas (CBSA)
- States
- Workforce Investment Areas (WIA)
- WIRED Regions (Gen. 1)
- WIRED Regions (Gen. 2)
- WIRED Regions (Gen. 3)
- ZIP Codes (ZCTA)
- 110th U.S. Congressional Districts
- Block Groups
- Census Tracts
- Traffic Analysis Zones (TAZ)
- Unified/Elementary School Districts
- Secondary School Districts
- State Legislative Districts (Upper)
- State Legislative Districts (Lower)
- Military Bases
- Tribal Lands
- Tribal Subdivisions
- Alaska Native Regional Corp. (ANRC)



Selected Areas of Use for OnTheMap

- Workforce and Economic Development
- Transportation Planning
- Emergency Management

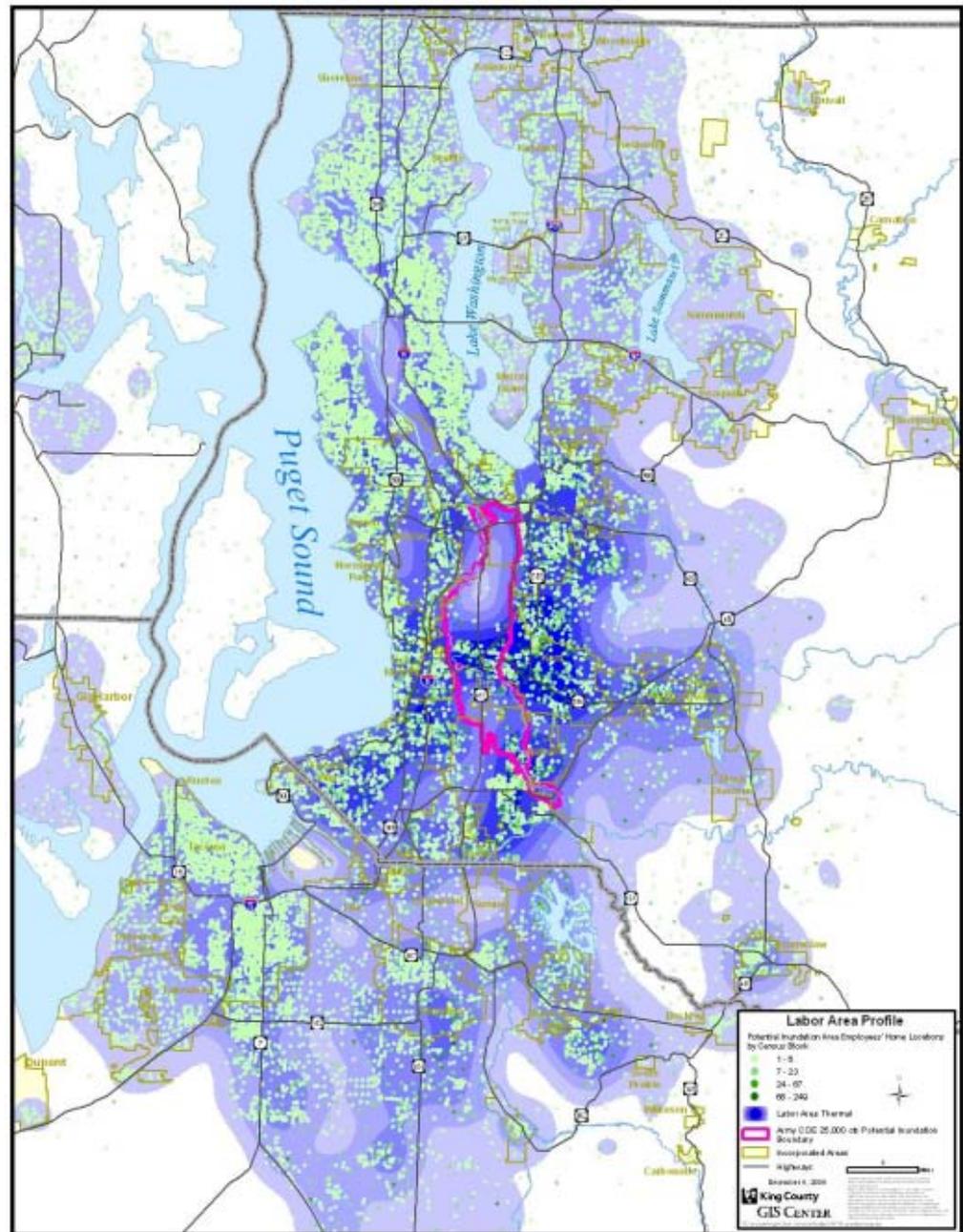
Where People Working in New York Financial District Lived in 2066 – Freehand selection



Import Your Own Shape Files

- Green River Valley, Washington
- Howard Hansen Dam flood risk
- Flood area shape files by Army Corps of Engineers
- Most workers live outside flood area and commute into it

Source: King County, Washington State



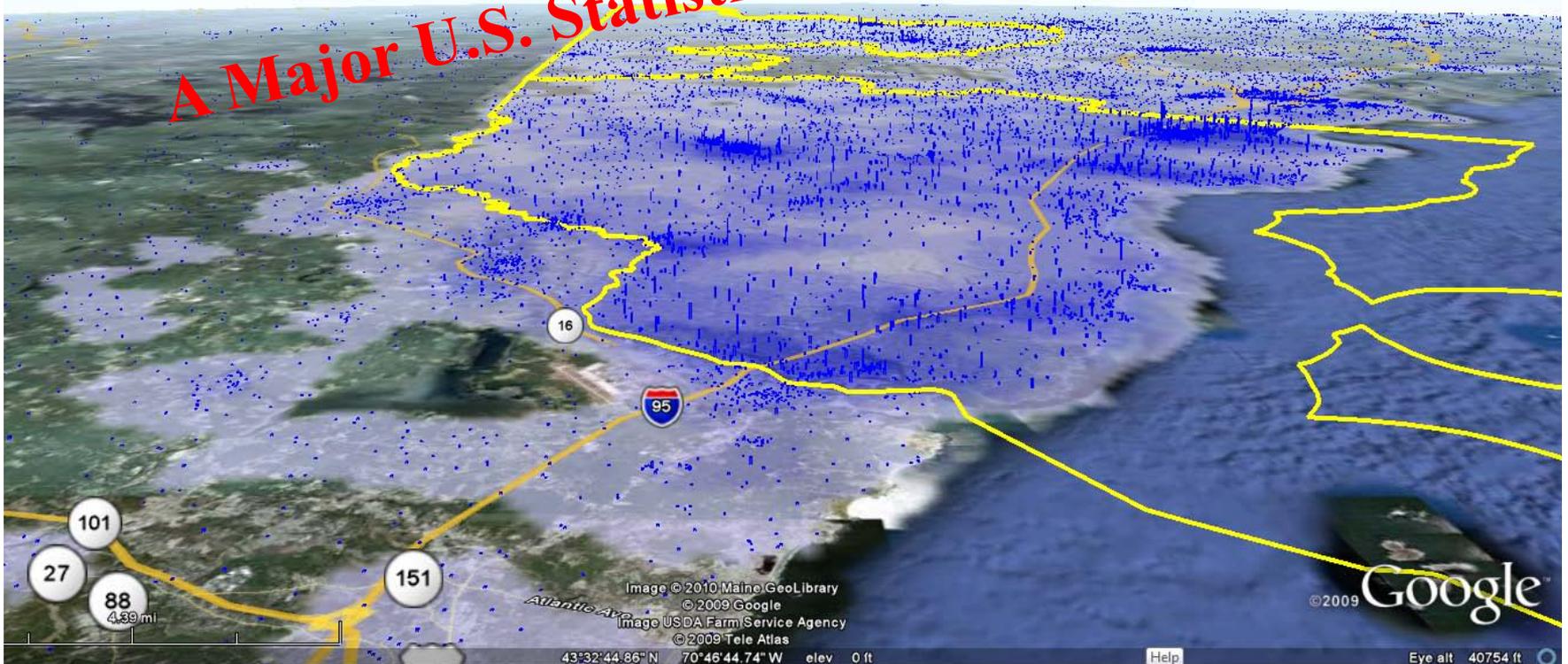


40th Session
United Nations
Statistical Commission
24-27 February 2009



OnTheMap: An Innovative Mapping and Reporting Tool

A Major U.S. Statistical Innovation



USCENSUSBUREAU

OnTheMap for Emergency Management: Hurricanes

Scheduled Release: June 28, 2010

DRAFT

U.S. Census Bureau LED OnTheMap for Emergency Management

View Available Storm List | Help

View in OnTheMap | Download | Print

Total Primary Jobs

affected Jobs

- Jobs by State, County, City
 - Louisiana
 - Texas
- Jobs by Labor Market Segment
 - Age 30 or younger
 - Age 31 to 54
 - Age 55 or older
 - \$1,250 per month or less
 - \$1,251 to \$3,333 per month
 - More than \$3,333 per month
 - Goods Producing
 - Trade, Transportation, and Utilities
 - All Other Services
- Jobs by Industry Type (2-digit NAICS)
 - Agriculture, Forestry, Fishing and Hunting
 - Mining, Quarrying, and Oil and Gas Extraction
 - Utilities
 - Construction
 - Manufacturing
 - Wholesale Trade
 - Retail Trade
 - Transportation and Warehousing
 - Information
 - Finance and Insurance
 - Real Estate and Rental and Leasing
 - Professional, Scientific, and Technical Services
 - Management of Companies and Enterprises
 - Administration & Support, Waste Management and Remediation
 - Educational Services
 - Health Care and Social Assistance
 - Arts, Entertainment, and Recreation
 - Accommodation and Food Services
 - Other Services (excluding Public Administration)
 - Public Administration

National Weather Service
National Hurricane Center

Legend

- Hurricane Area
- Hurricane Track
- Mexico Water Features
- World Lakes
- U.S. States
- Pacific Islands
- Mexico States
- Canada Provinces
- World Countries (Detail)
- 5 Degree Graticule

Storm Name/ID: **Hurricane Ike**

Choose a point in time for the selected storm

Current Date/Time: **Ike 09/13/2008 8:00 PM**

Latitude:

Longitude:

Wind Speed:

Category:

Last Update:

Next Update:

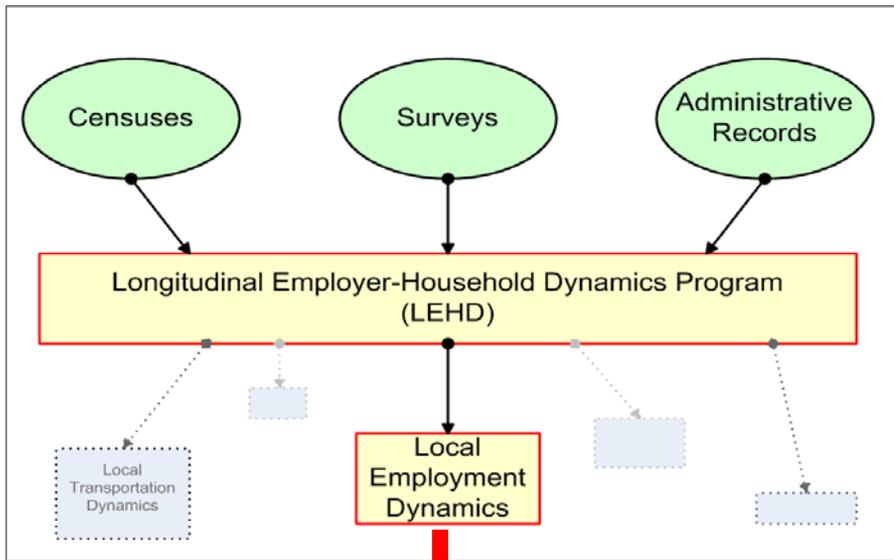
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Source: U.S. Census Bureau, Center for Economic Studies | e-mail: ges.local.employment.dyn@iloc@census.gov

Tracking and reporting hurricanes in practical real-time

The LED Approach



- Started in 1998
- Use existing data
- Create new data and products
- Make valid detailed data available and protect confidentiality

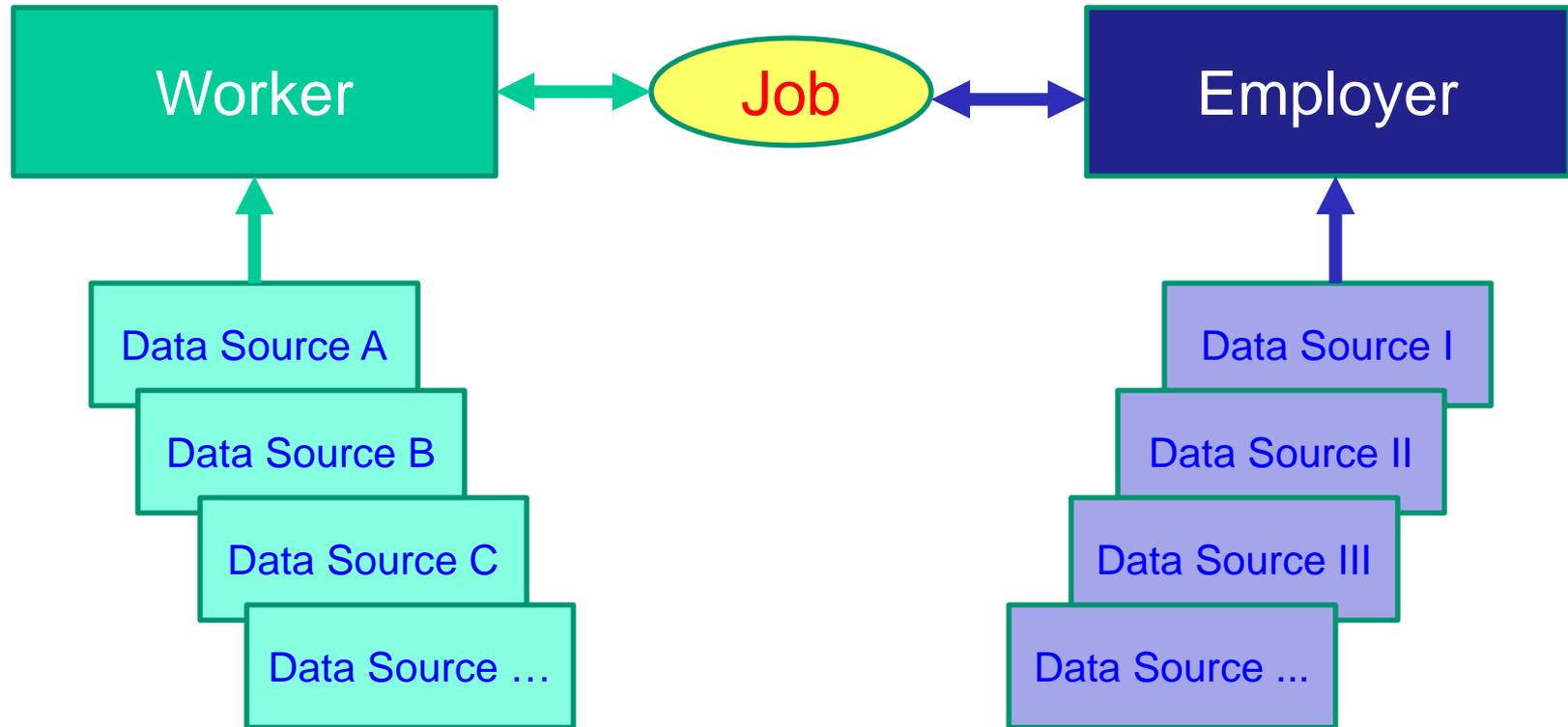
Longitudinal National
Frame of Jobs

New data and products

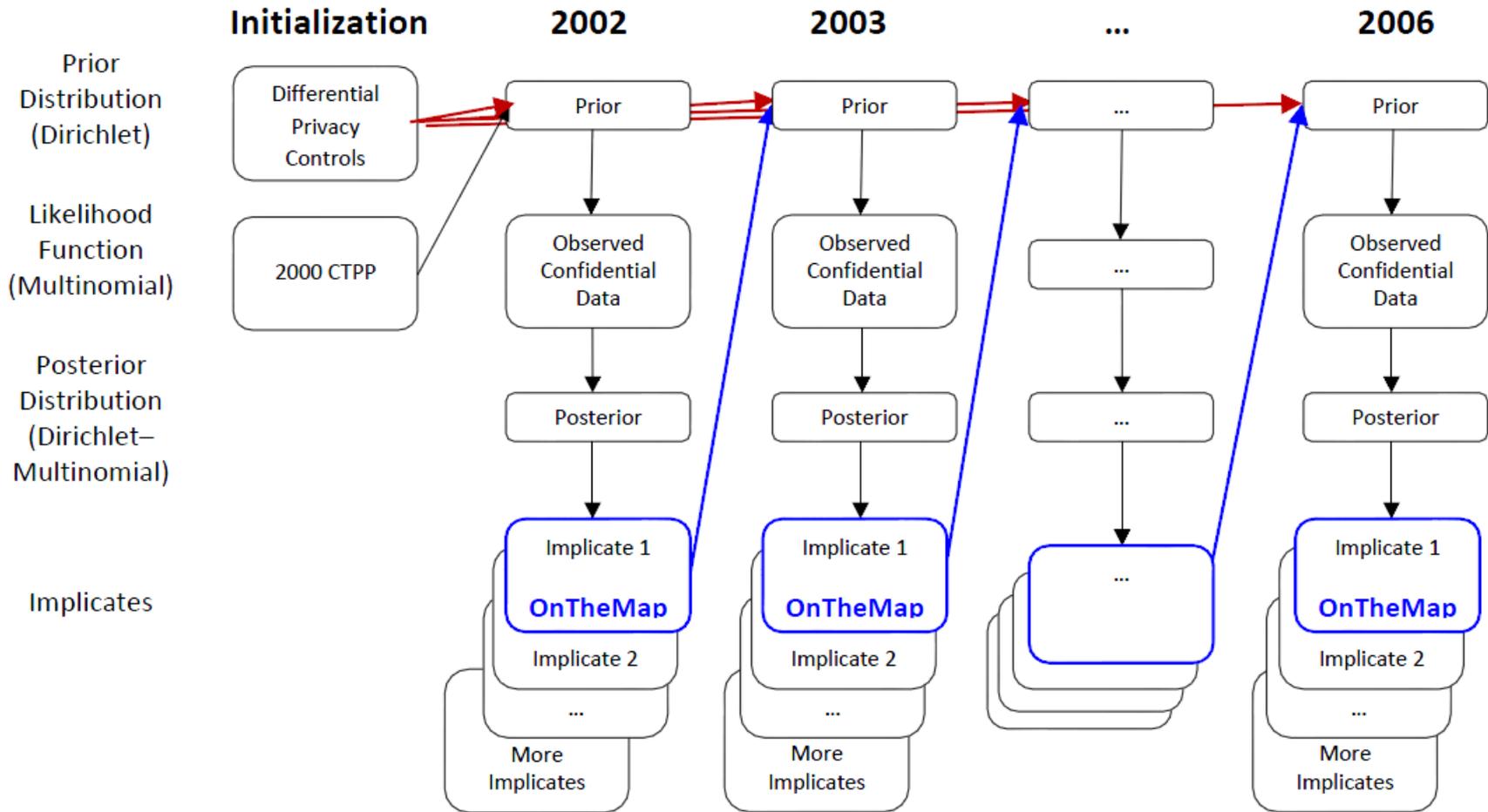
LED: Key Methodologies

- System Design
 - Data Integration; no new data collected
 - Add Federal workers (2010); self-employed (2011)
- Record Matching and Linkage
- Missing Values - Imputation
- Confidentiality Protection
 - Noise Infusion
 - Calibrated Bayesian Synthetic Data Modeling

LED: Longitudinal Integrated Data



OnTheMap: Partial Synthetic Data Product



Contact Us

Comments/Suggestions

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Local Employment Dynamics Website

<http://lehd.did.census.gov>

Join the Listservs

Lehd-general@lists.census.gov

Lehd-onthemap@lists.census.gov