



# Transportation Secure Data Center (TSDC) Brief Overview

Presented at the TRB Annual Meeting: January 10-14, 2010

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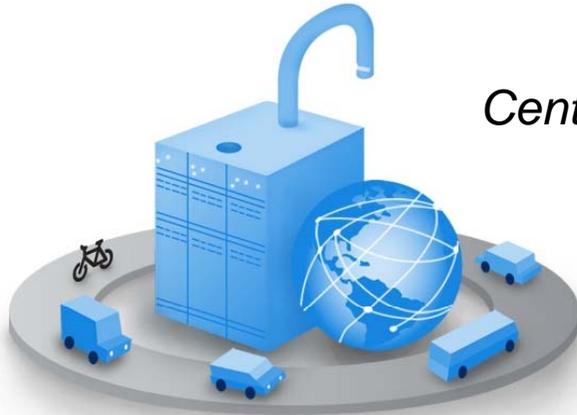
*The National Renewable Energy Laboratory (NREL),  
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Sponsored by:

*The U.S. Department of Transportation (DOT),  
Federal Highway Administration (FHWA)*

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# Transportation Secure Data Center (TSDC): Overview

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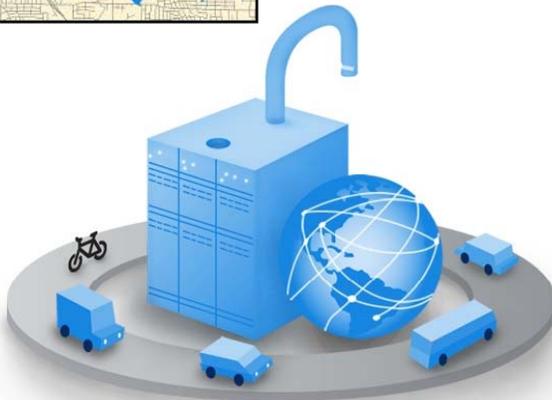


Newly established for secure archival of and access to detailed transportation data



E.g., GPS travel survey data

- Detailed global positioning system (GPS) location information
- Could identify an “anonymous” respondent from the data
- Access must be controlled



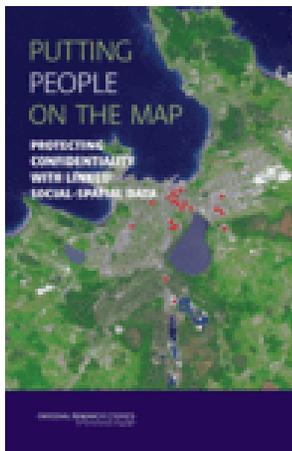
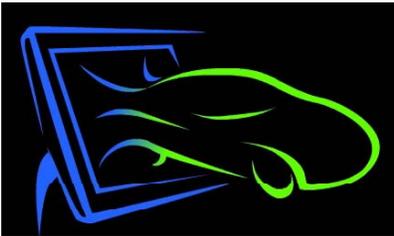
# Transportation Secure Data Center (TSDC): Rationale



Recent travel studies have increasingly begun **including GPS**



The data can be **expensive to collect**, **but very valuable** for many existing and emerging applications

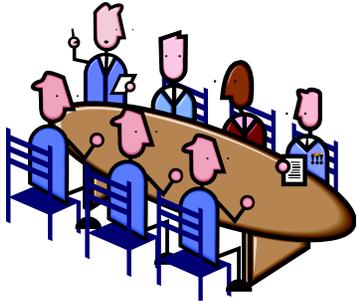


This secure central repository will **increase research returns while safeguarding** the data

- Consistent with NRC report\* recommendations
- Benefits data providers and users

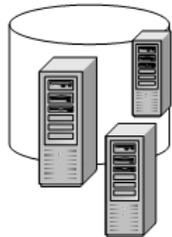
\* See this 2007 National Research Council report:  
[http://books.nap.edu/openbook.php?record\\_id=11865](http://books.nap.edu/openbook.php?record_id=11865)

# Transportation Secure Data Center (TSDC): Description



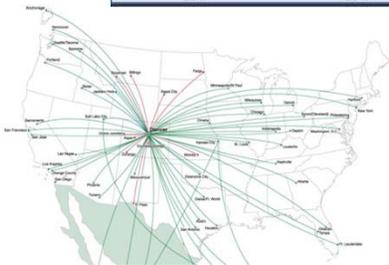
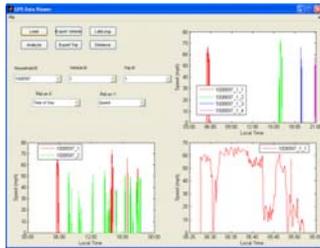
An **advisory committee** will help support FHWA oversight

- Group includes data providers and users
- Represents industry, academia and government



TSDC functions

- **Secure storage**/archiving at a central location
- **Data processing** for quality assurance and to create public-release data
- Provide **controlled access** to “raw” data for legitimate research applications



# Transportation Secure Data Center (TSDC): Timeline



Established in last few months

- Equipment acquired and set up
- Entering into agreements with initial data providers



During next several months

- Incorporate and perform processing on data sets
- Establish and approve data access protocols
- Grant access to data
  - Freely for public-release data
  - Controlled access to full data



Find out more

- E-mail [Jeff.Gonder@nrel.gov](mailto:Jeff.Gonder@nrel.gov)
- Periodic (~quarterly?) e-mail updates