Regional Integration of Intelligent Transportation Systems (RIITS)
Regional Integration of Intelligent Transportation Systems

- Introduction
- Maps
- Waze as a regional resource
  - Communications
    - Internet
  - Transportation
    - Application Programmer Interface
  - Institutional
    - License
    - Benefits
What is RIITS?

- Interagency multimodal mobility program
- Near real-time data exchange
- Web-based platform accessible from anywhere
- Secure access to shared network
- Regional ITS Architecture and standards
- Emerging regional data management resource
## Membership

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<th>Members</th>
<th>Potential Members</th>
<th>Users</th>
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<tr>
<td>LADOT</td>
<td>County of Los Angeles</td>
<td>FOX</td>
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<tr>
<td>Caltrans, District 7</td>
<td>Hollywood Burbank Airport</td>
<td>TrafficLand</td>
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<tr>
<td>Metro</td>
<td>Port of Long Beach</td>
<td>USC</td>
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<td>Cal Poly, Pomona</td>
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Connected Citizens Program
Maps

- **LARIAC** – Los Angeles Region Imagery Acquisition Consortium
  - [https://egis3.lacounty.gov/dataset/fdataportal/lariac/](https://egis3.lacounty.gov/dataset/fdataportal/lariac/)
- **SCAG** – Southern California Association of Governments
  - [http://gisdata.scag.ca.gov/Pages/Home.aspx](http://gisdata.scag.ca.gov/Pages/Home.aspx)
- **Waze** – Connected Citizens Program
  - [www.waze.com](http://www.waze.com)
- **OSM** – OpenStreetMap
  - [www.openstreetmap.org](http://www.openstreetmap.org)
Waze as a regional resource

- Communications
  - Internet

- Transportation
  - Insights
  - Southern California 511
  - Social Media

- Institutional
  - License
  - Community
Transportation Insights

Operational Systems

Freeway
Arterial
Transit
Incident
Goods Movement

Regional Integration of Intelligent Transportation Systems (RIITS)

Archived Data Management System (ADMS)

Regional Multimodal System Management

Regional Multimodal Performance Measurement

Regional Transportation Planning

Policy and Investment Decisions
Waze Sublicense

- License
- Sublicense
- Joint Marketing
- Press Releases
- Attribution
- Data Exchange
- Joint Indemnification
Connected Citizens Program Community

- Partner Portal
- Case Studies
- Exchange Data
  - Road Closures
  - Incidents
  - Unique
  - Major Traffic Events
- Fun
Thank you

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Data Exchange

- Real-time Arterial
- Real-time Bus & Rail
- Bus & Rail Schedules
- Incidents
- Weather
- Real-time Traffic
- Const.
- Other

Integration

- Data Fusion
- Data Warehouse
- Unified Systems

Data Types
- Real-time
- Database
- Information
- Video
- Reports
- Standards

Dissemination

Users
- Public
- Management
- Planning
- Operations
- Research

Applications
- Performance Management
- Performance Monitoring
- Decision Support Systems
- Southern California 511
- Application Programmer Interfaces

Metro

LA SAFE

511

USC

Metro

Metro

Census 2010

waze

Gettrans

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Data Architecture

Data Inputs
- Transportation
- Social Media
- Map
- Census
- Weather

Data Environment
- Data Fusion
- Data Warehouse
- Unified Systems
- Performance Management
- Performance Monitoring

Data Outputs
- Management
- Public
- Planning
- Operations
- Research
Institutional Architecture

- Metro Intelligent Transportation System (ITS) Policy
- Regional ITS architectures
- RIITS policies
  - Memorandums of Understanding (MOU)
  - Configuration Management Committee (CMC)
    - Bylaws
    - Procedures
  - Data agreements
Metro Policies

- Long Range Transportation Plan
- Intelligent Transportation System (ITS) Policy
- Regional ITS architectures
  - Transportation systems and standards
- RIITS policies
  - Memorandums of Understanding (MOU)
  - Configuration Management Committee (CMC)
  - Data agreements
- Call for Projects – Appendix E
Regional Architectures

- Southern California Regional ITS Architecture - SCAG
- Los Angeles Regional ITS Architecture - Metro
- Arterial ITS Architecture - Metro
- Goods Movement Architecture – Metro
- [http://scag.ca.gov/programs/Pages/DownloadsDocuments.aspx](http://scag.ca.gov/programs/Pages/DownloadsDocuments.aspx)
- RIITS Strategic Plan
  - [http://www.riits.net/strategicplan.html](http://www.riits.net/strategicplan.html)
Long Range Transportation Plan

- Metro funded
- $1.5 million/year
- Administration
- Operations
- Maintenance
• MOUs with Caltrans D7 and LADOT
  – Metro agent and admin
  – Wide area network and distributed system
• Service agreements
  – Data controlled and owned by source agency
  – Agency
  – Information Service Provider
Administration

- Configuration Management Committee (CMC)
  - RIITS Administrator, Metro
  - Coordination
  - Collaboration

- Metro procurement
  - Procure goods and services to maintain transportation data in the Region.

- Management
  - Oversight, review, and approvals