

Community-Based Tracking Systems

Gale Filter

Deputy Director of Enforcement

California Department of Toxic Substances Control

Why Community-Based?

- Government-Based Complaint Systems Lack Transparency
- Regulatory Databases Difficult to Understand

Community-Based Tracking Tools

- Community Outreach
- Health Surveys
- Ground Truthing
- Mapping
- Community Task Forces
- Crowdsourcing & Citizen Science

Imperial Visions Action Network (IVAN)

Los Angeles - IVAN

Crowdsourcing Applications

LA Bucket Brigade - Oil Spill Crisis Map

IVAN Enhances Community Tracking Efforts

- Data Submitted via SMS, voicemail, email, or web in Near Real-Time
- Map of Reports is Automatically Generated
- Track Multiple Categories Simultaneously
- Upload Photos/Video with Reports

IVAN Enhances Community Tracking Efforts (cont.)

- Layer Regulatory Data onto Map
- Perform Trend Analysis
 - Generate Timeline & Frequency of Events
 - Identify areas with significant non-compliance and repeat violators
- Post published news reports related to categories developed by the public

The Latest: A Website For LA Unified School #13

The screenshot displays the Imperial Visions Action Network (IVAN) website interface. At the top left is the IVAN logo, which features a stylized tree and the text "IMPERIAL VISIONS ACTION NETWORK" and "IVAN". To the right of the logo is the text "Imperial Visions Action Network" and a "SUBMIT A REPORT" button. Below this is a navigation menu with links for "HOME", "REPORTS", "SUBMIT A REPORT", "GET ALERTS", "CONTACT US", and "ABOUT US".

The main content area shows a map of Los Angeles with several red circular markers indicating report locations. The map is overlaid with a grid of streets, including Venice Blvd, W Washington Blvd, and Santa Monica Fwy. A "FULL SCREEN MAP" button is visible above the map. To the right of the map is a "CATEGORY FILTER [HIDE]" section with a legend:

- ALL CATEGORIES (Red square)
- CATEGORY 1 (Purple square)
- CATEGORY 2 (Blue square)
- CATEGORY 3 (Brown square)
- ODORS (Pink square)
- HEADACHES (Yellow square)

Below the legend is a "How to Report" section with two instructions:

1. By sending an email to reportit@la-ivan.net
2. By filling this form

At the bottom of the map area, there is a scale of 1:14K, coordinates (-118.33065, 34.04327), and the EPSG:900913 projection code.

<http://www.la-ivan.net/>

Why is Tracking so Important for Communities?

- Provides the community with organized information to identify trends
 - Hot spot identification
 - Predictive policing
 - Neighborhood policing
- Assists Problem-Solving Strategies
 - Focused Enforcement
 - Policy Changes
 - Mitigation