

# 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) (Beta)

REPORTS NEWS PICTURES VIDEO ALL

AGRICULTURAL BURN  
NATURAL DISASTER  
WILDLIFE  
DUMPING  
TOXIC TOUR 2010  
CONFINED ANIMAL FACILITIES  
VANDALISM  
OFF-ROAD VEHICLES

## Imperial Visions Action Network (IVAN)

Imperial Visions Action Network

HOME REPORTS SUBMIT A REPORT GET ALERTS CONTACT US ABOUT US

REPORTS NEWS PICTURES VIDEO ALL

CATEGORY FILTER [HIDE]

ALL CATEGORIES  
CATEGORY 1  
CATEGORY 2  
CATEGORY 3  
ODORS  
HEADACHES

How to Report  
1. By sending an email to reportit@ivan.net  
2. By filling this form

## Los Angeles - IVAN

# Crowdsourcing Applications

Oil Spill Crisis Map

LOUISIANA BUCKET BRIGADE  
PAYSON CENTER FOR INTERNATIONAL DEVELOPMENT

HOME REPORTS SUBMIT AN INCIDENT GET ALERTS CONTACT US RESOURCES ABOUT US

REPORTS

Health Complaint?  
If you are experiencing health effects related to the oil spill, contact the Louisiana Poison Center: 1-800-222-1222. The Poison Center is staffed 24-hours a day and can provide medical management advice.  
To report an odor to the EPA, please call 1-866-448-5816

REPORTS

CATEGORY FILTER

ALL CATEGORIES  
CHEMICAL ACCIDENTS  
BP OIL SPILL

OTHER LAYERS

## 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 website for the Imperial Visions Action Network (IVAN). The header features the IVAN logo, the text "Imperial Visions Action Network", and a "SUBMIT A REPORT" button. A navigation menu includes "HOME", "REPORTS", "SUBMIT A REPORT", "GET ALERTS", "CONTACT US", and "ABOUT US". Below the menu, there are filters for "REPORTS", "NEWS", "PICTURES", "VIDEO", and "ALL". A "FULL SCREEN MAP" button is also present. The main content area shows a Google Map of Los Angeles with several red markers clustered in the Mid-City area. To the right of the map is a "CATEGORY FILTER" section with a list of categories: "ALL CATEGORIES", "CATEGORY 1", "CATEGORY 2", "CATEGORY 3", "ODORS", and "HEADACHES". Below the filter is a "How to Report" section with two instructions: "1. By sending an email to reportit@la-ivan.net" and "2. By filling this form".

<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