dtswildfire
tecnosylva
Wildfire Incident Management Software Suite
Wildfire
Common Operational Picture
fIRESPONSE
Wildfire
ANALYST

Meeting Agenda

- Introduction
  - David Buckley, DTS
  - Joaquin Ramirez, DTS-Tecnosylva
- Brief Overview – why & what?
- Live Demo
- Feedback & Discussion

Contact Info

- David Buckley

  dbuckley@dtsgis.com

- Joaquin Ramirez

  jramirez@dtsgis.com

About DTS

- A GIS consulting firm headquartered in Orlando, FL that provides a range of GIS services to agencies across the Nation
- Focus on building custom geo-web mapping applications primarily to government agencies
  - Wildfire protection planning & incident management
  - Transportation engineering & planning
  - Asset & infrastructure management

www.dtsgis.com

tecnosylva dtswildfire

About Tecnosylva

- A forest engineering consulting firm located in Leon, Spain specializing in GIS solutions
- Tecnosylva has been providing solutions to forestry, wildfire management and emergency response since 1997
  - **FiResponse** – enterprise incident management
  - **Wildfire Analyst** – incident analysis & decision support

www.tecnosylva.com

tecnosylva dtswildfire

About DTSwildfire

- A partnership formed between Tecnosylva and DTS to combine the our subject matter expertise and software capabilities of both companies
- Focus on building provide operational wildland fire management software solutions based on the integration of:
  - Proven operational wildfire software suite from Tecnosylva
  - Leading edge web mapping and fire planning solutions from DTS

www.dtswildfire.com

Software Product Suite

fiRESPONSE

- Agency wide incident management & tracking

Wildfire
Common Operational Picture

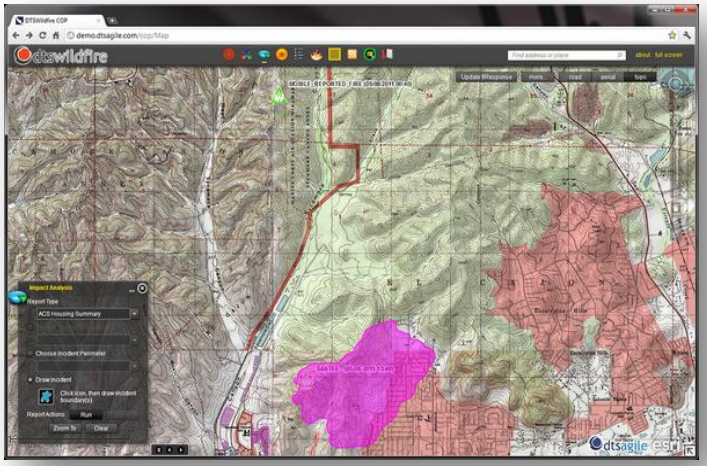
- Situational awareness for all jurisdictions & users

Wildfire
ANALYST

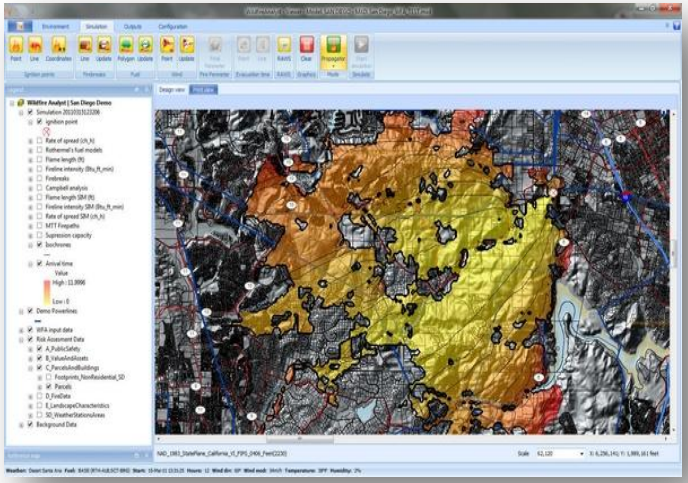
- Fire simulation, analysis & decision support

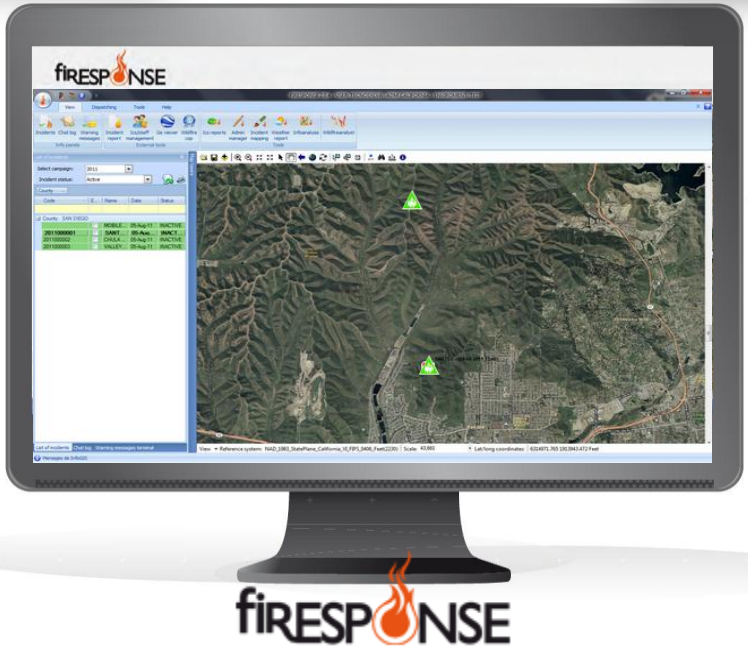
Integrated Synchronized Platform

Wildfire
Common Operational Picture



Wildfire
ANALYST





fiRESPONSE

Agency Wide Incident Management

tecnosylva

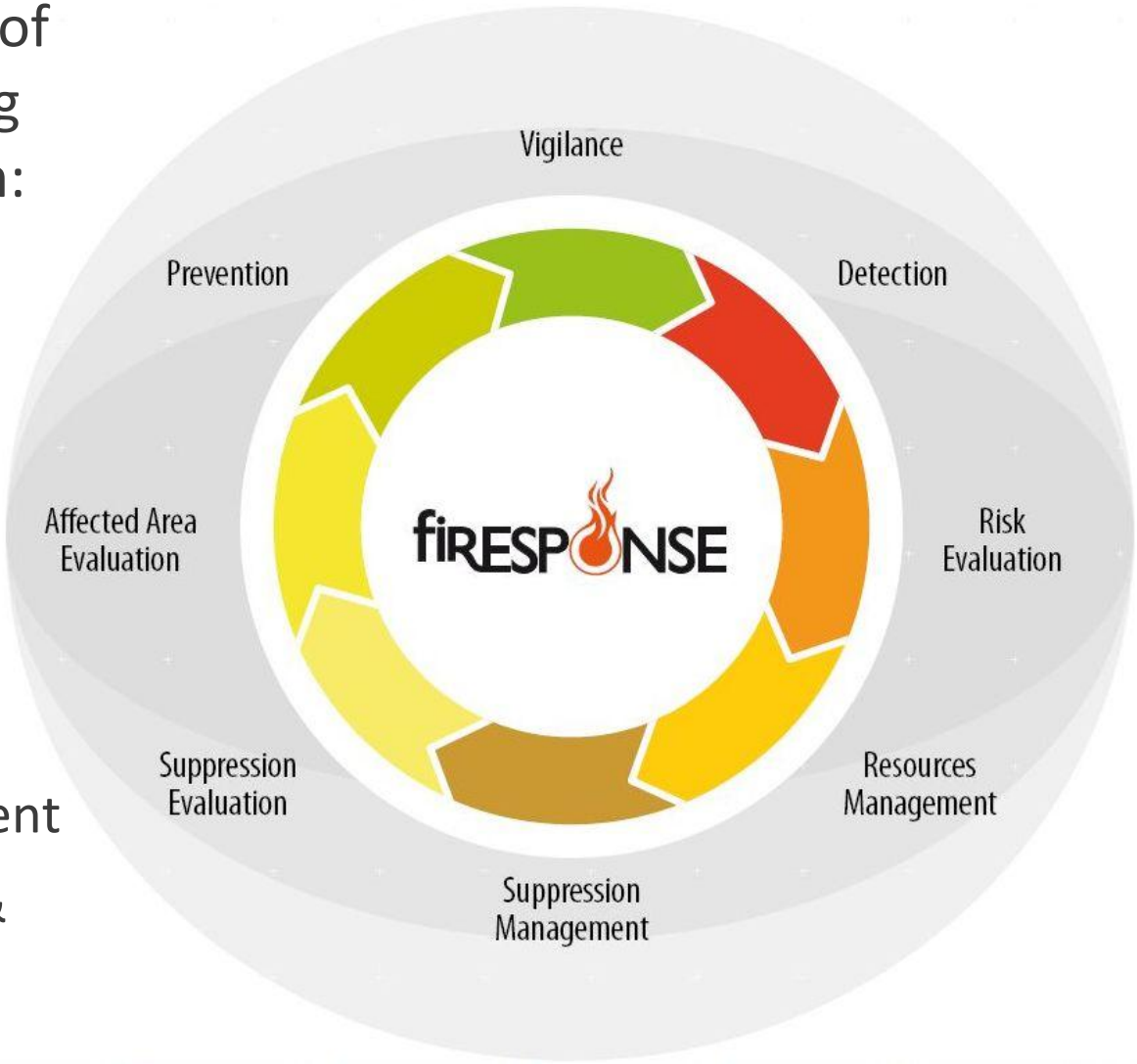
dtswildfire

What are we going to show you?

- An integrated incident management system that provides:
  1. Agency wide incident management & tracking
  2. Dispatching and resource tracking
  3. IC staff assignment & tracking
  4. Fire reporting integration
  5. Mobile, desktop & web capabilities for different types of users
  6. Seamless data integration between platforms

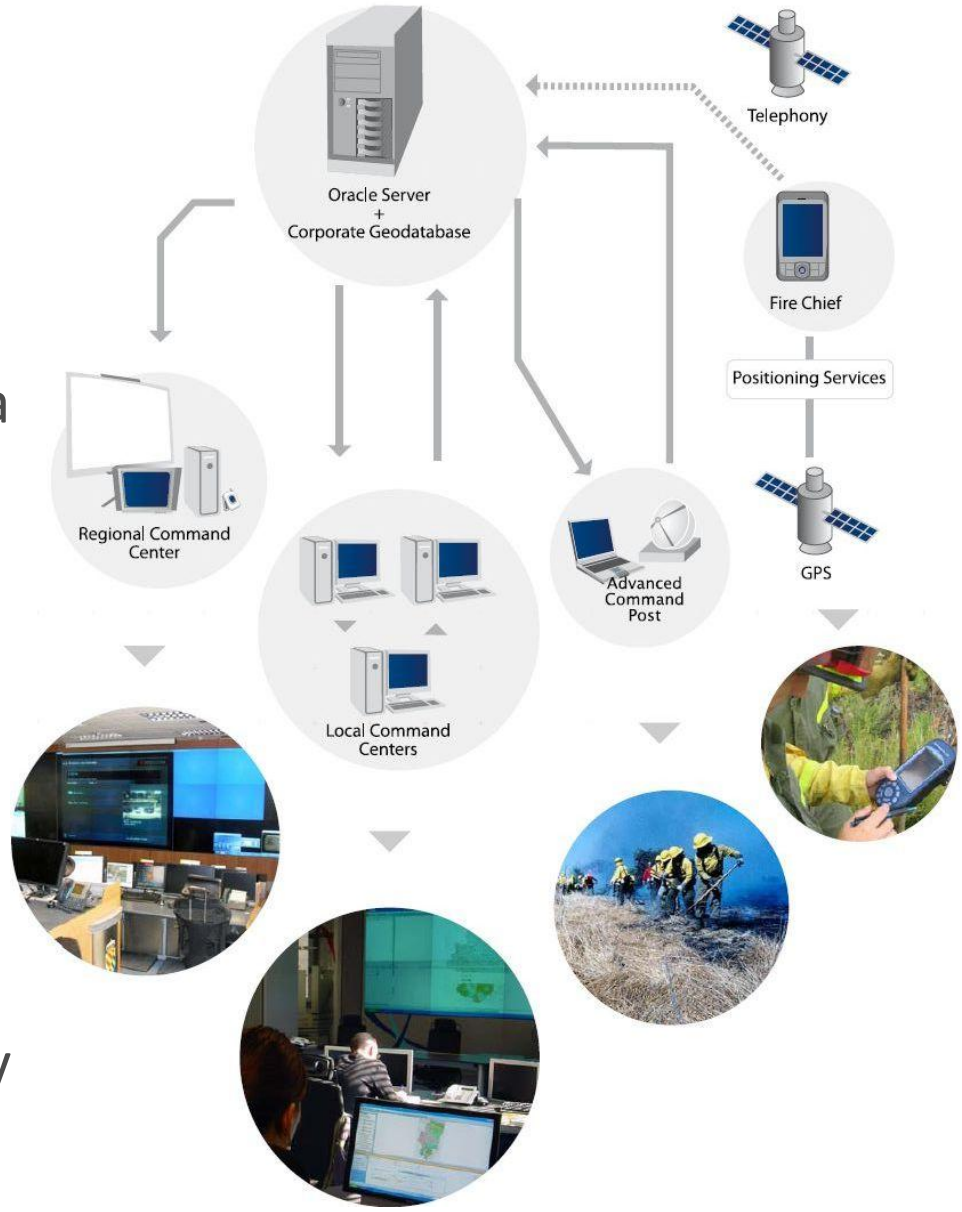
Incident Lifecycle

- Includes all phases of wildland firefighting requirements, from:
  - Detection
  - Resource management
  - Response & suppression management
  - Impact analysis & damage assessment
  - Documentation & tracking

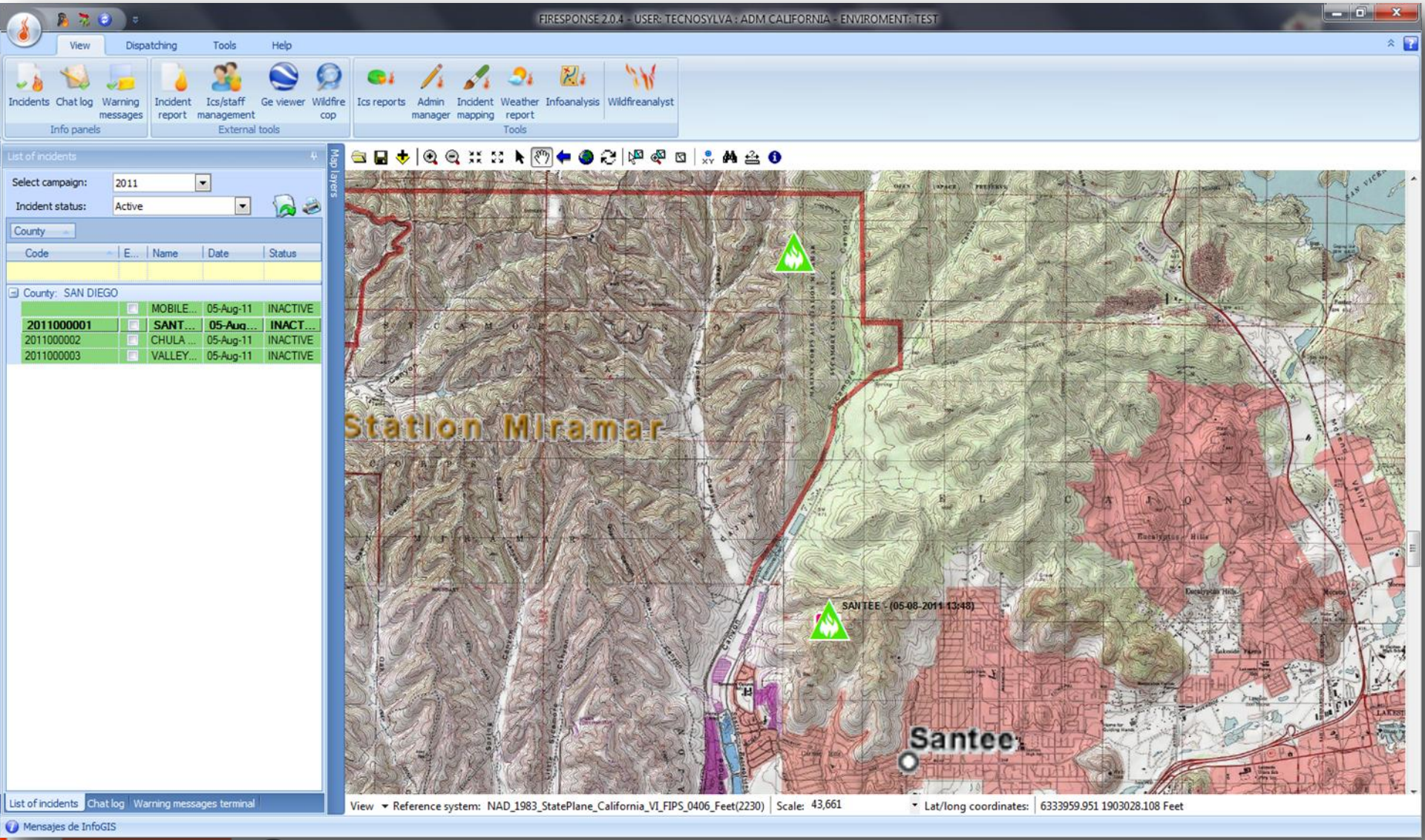


How Does it Work?

- Seamless Synchronization
  - Uses a data replication approach based on transactional architecture
  - Facilitates exchange of data between seamlessly between users
  - Designed to ensure data synchronization occurs in the most severe operational scenarios
  - Designed for EOC and related command hierarchy



User Interface



Mobile Integration for Data Input & Viewing

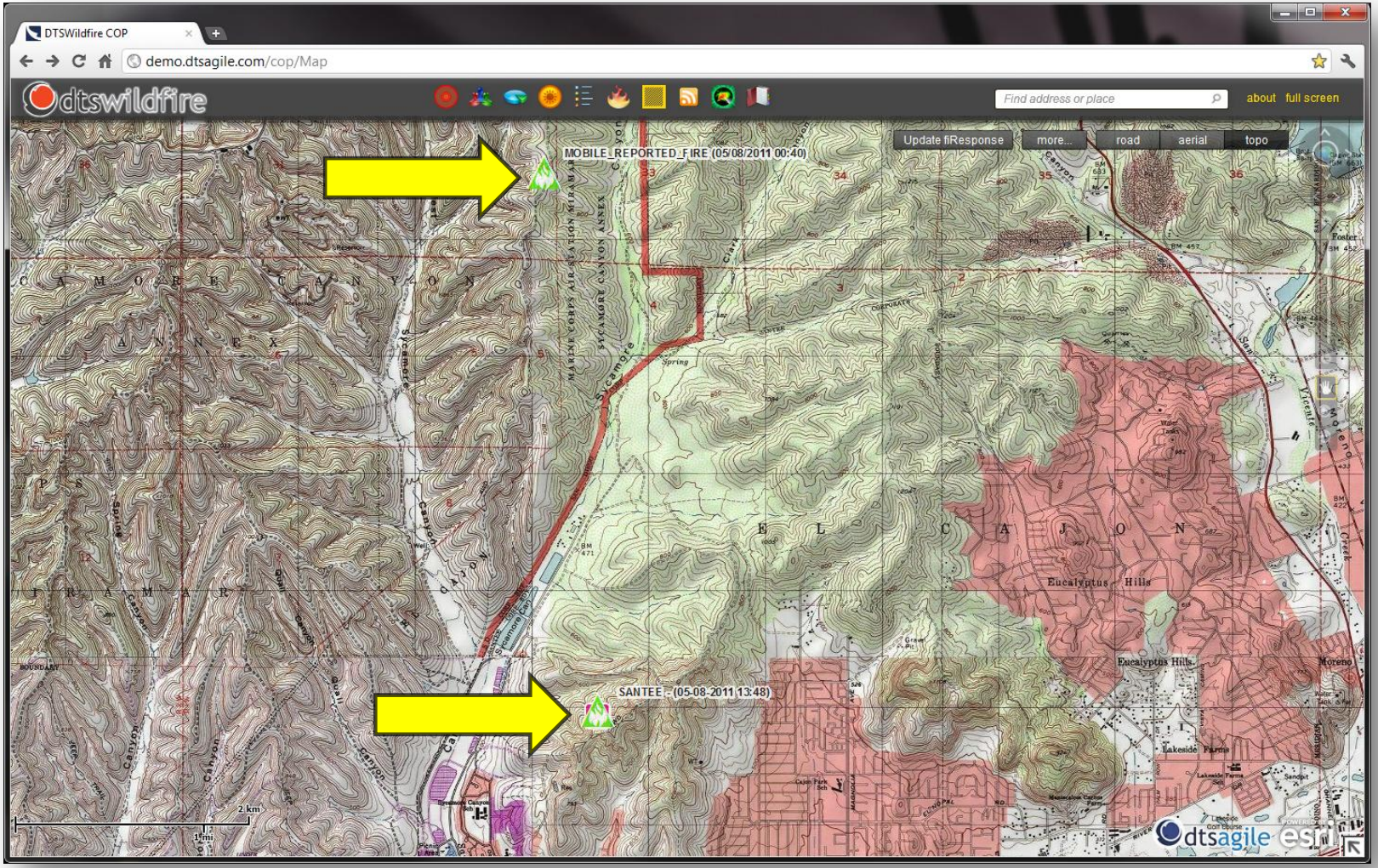
- Tablet (i.e. iPad etc)
- Smartphone
  - iPhone
  - Android

tecnosylva

dtswildfire

Wildfire COP & FiResponse Integration

- Seamless synchronization with FiResponse



tecnosylva

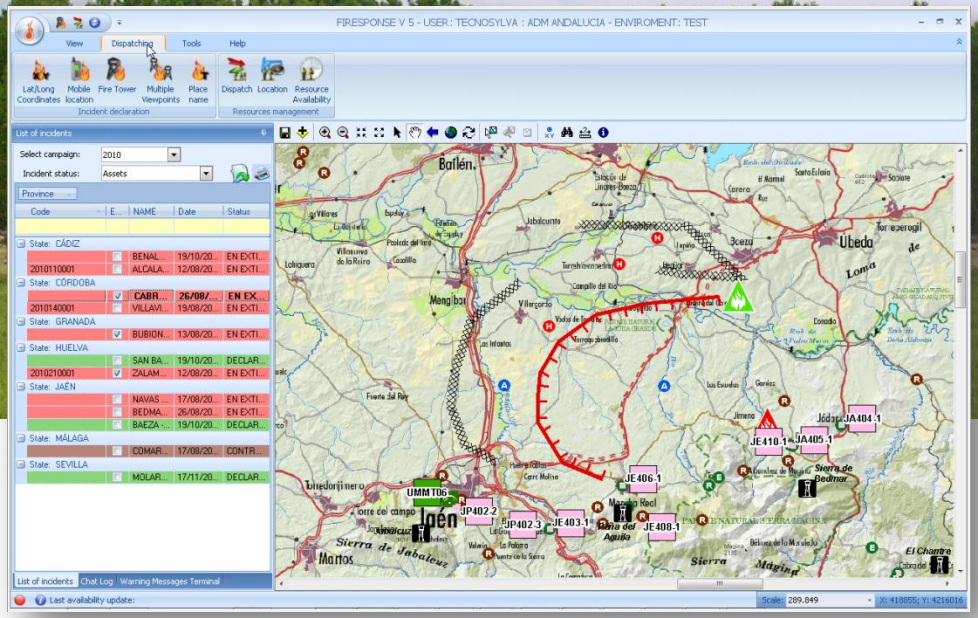
dtswildfire

Summary - Design Principles

- Built on a GIS platform
- Focus on seamless integration of CAD, resource & staff management, IC field capabilities
- Input data once - populate maps & reports many times from a single, centralized database
- Seamless data synchronization between mobile, desktop & web users
- Customizable to support agency workflows and data

TOOLS SHOULD BE LEARNED IN ONE HOUR, USED IN ONE MINUTE (R. KEANE)

And now … a demo



fiRESPONSE