



Wildfire Incident Management Software Suite



Wildfire
Common Operational Picture



Meeting Agenda

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



Contact Info

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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

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

About DTSwildfire

- A partnership formed between Tecnosylva and DTS to combine their subject matter expertise and software capabilities of both companies
- Focus on building and providing 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

The banner features the DTSwildfire logo at the top, which consists of a red circle with a white dot inside, followed by the text 'dtswildfire' in a bold, sans-serif font. Below this is the Tecnosylva logo, which is a red square with a white stylized 'e' shape, followed by the text 'tecnosylva' in a smaller, sans-serif font. The background of the banner is a composite image showing a wildfire with a plane flying overhead, a residential area with a house, and firefighters in yellow gear. Three software product screenshots are overlaid on the banner:

- FireResponse:** A screenshot of a web-based interface showing a map with a red fire area and various data tables. The text 'Enterprise Wide Incident Management' is written below the screenshot.
- Wildfire:** A screenshot of a web-based interface showing a map with a red fire area and various data tables. The text 'Situational Awareness for the Fire Chief' is written below the screenshot.
- Wildfire Analyst:** A screenshot of a web-based interface showing a map with a red fire area and various data tables. The text 'Real-Time Incident Analysis & Decision Support' is written below the screenshot.

Software Product Suite



- Agency wide incident management & tracking

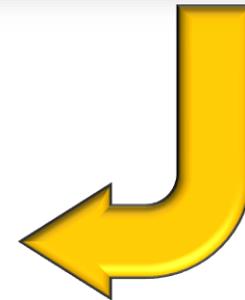
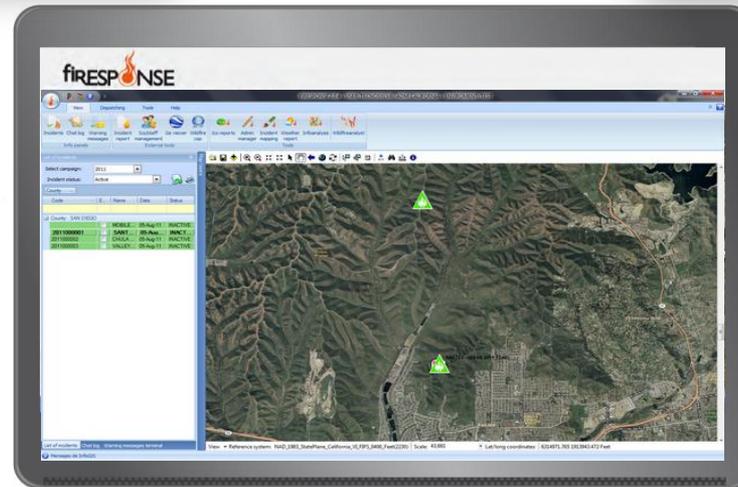
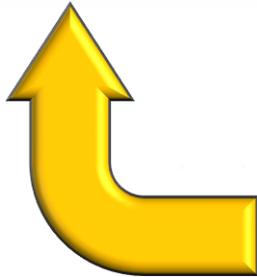
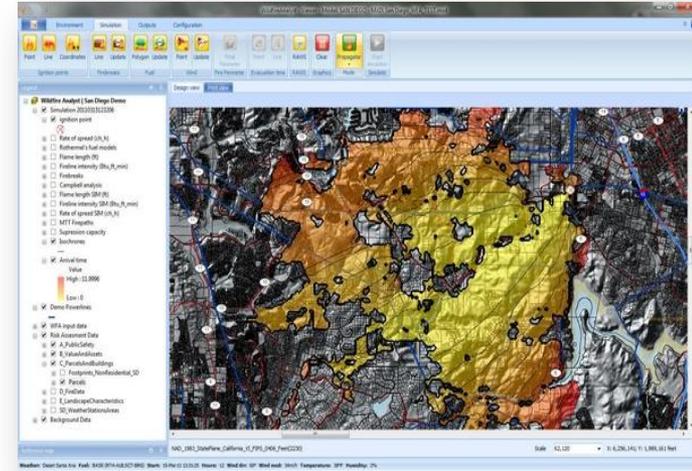
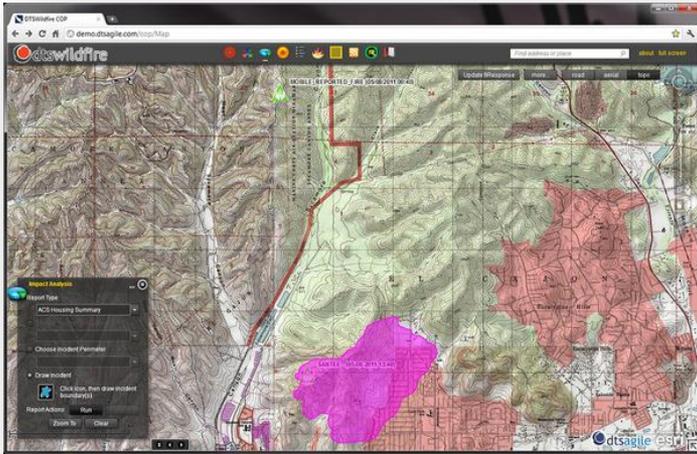


- Situational awareness for all jurisdictions & users



- Fire simulation, analysis & decision support

Integrated Synchronized Platform





fiRESPONSE

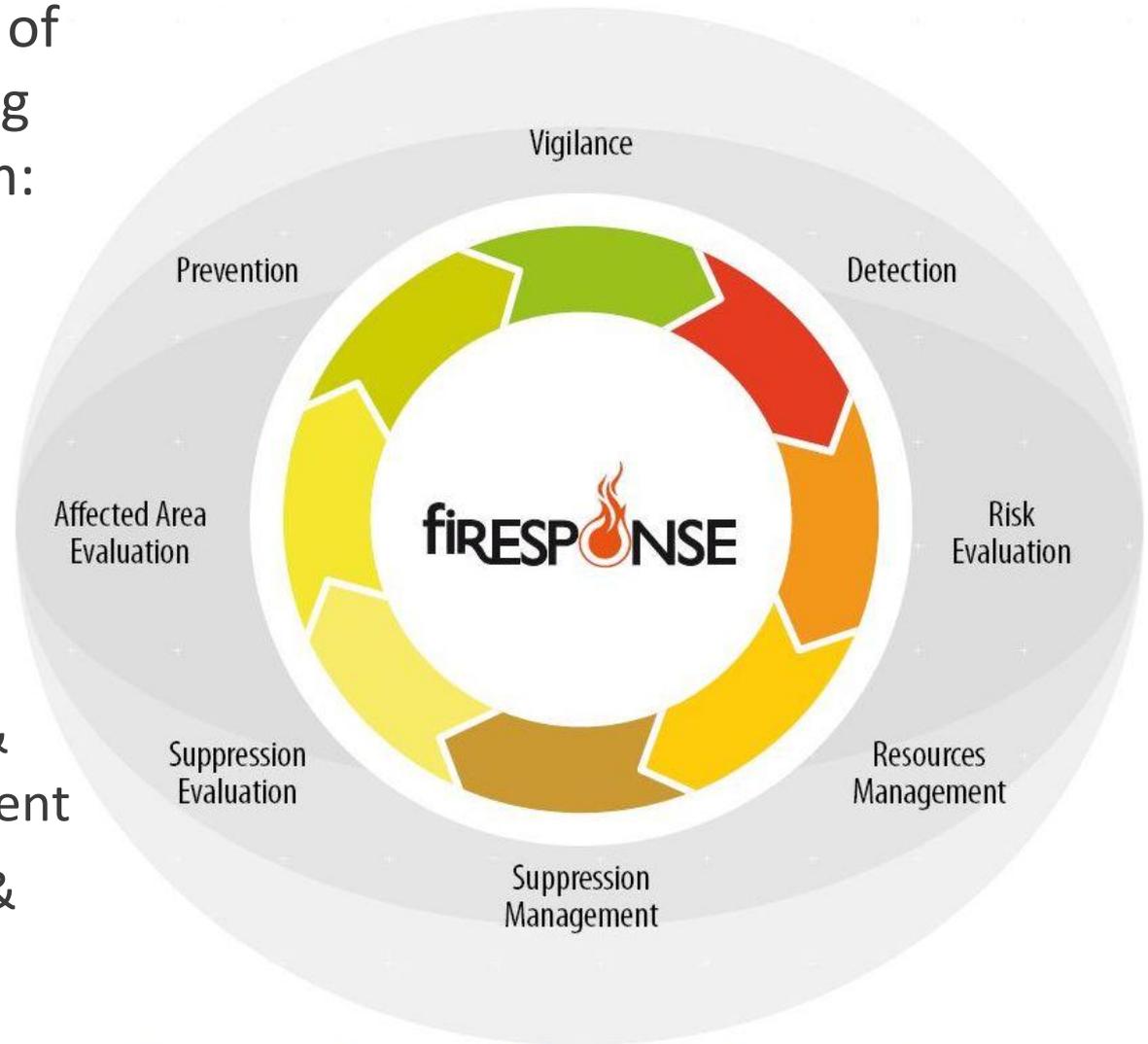
Agency Wide Incident Management

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

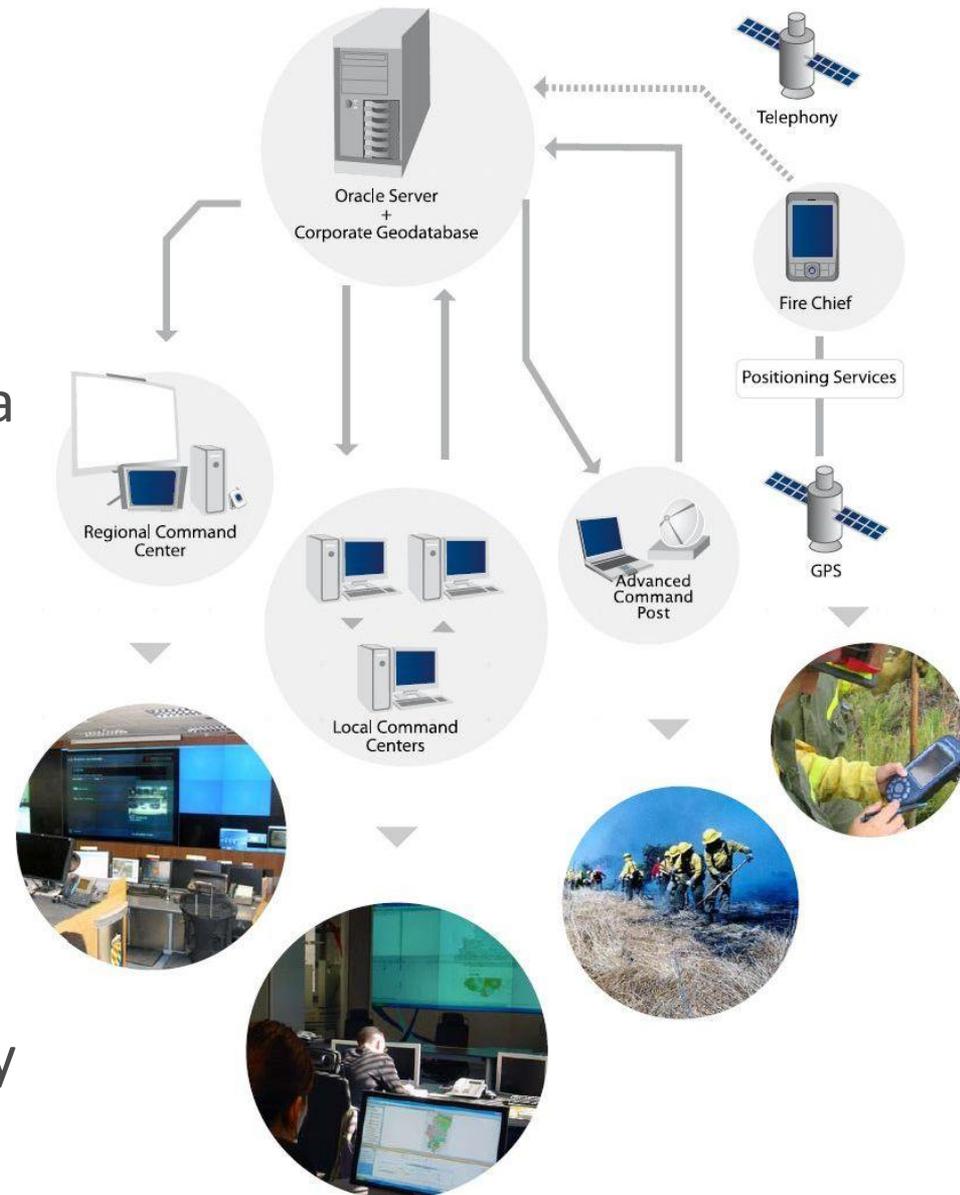
- Includes all phases of wildland firefighting requirements, from:
 - Detection
 - Resource management
 - Response & suppression management
 - Impact analysis & damage assessment
 - Documentation & tracking



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

The screenshot displays the FIRESOFT 2.0.4 user interface. The title bar indicates the user is 'TECNOSYLVA' in 'ADM CALIFORNIA' environment. The interface includes a menu bar (View, Dispatching, Tools, Help) and a toolbar with various icons for incident management, reporting, and analysis. On the left, a 'List of incidents' panel shows a table of active incidents for the year 2011 in San Diego County. The main map area shows a topographic map of the San Diego region, with a red boundary outlining a specific area. Two green fire icons are visible on the map, one near 'Station Miramar' and another near 'Santee'. The status bar at the bottom provides technical details such as the reference system (NAD_1983_StatePlane_California_VI_FIPS_0406_Feet(2230)), scale (43,661), and coordinates (6333959.951 1903028.108 Feet).

FIRESOFT 2.0.4 - USER: TECNOSYLVA - ADM CALIFORNIA - ENVIROMENT: TEST

View Dispatching Tools Help

Incidents Chat log Warning messages Incident report Ics/staff management Ge viewer Wildfire cop Ics reports Admin manager Incident mapping Weather report Infoanalysis Wildfireanalyst

List of incidents

Select campaign: 2011

Incident status: Active

County

Code	E...	Name	Date	Status
County: SAN DIEGO				
	<input type="checkbox"/>	MOBILE...	05-Aug-11	INACTIVE
2011000001	<input type="checkbox"/>	SANT...	05-Aug...	INACT...
2011000002	<input type="checkbox"/>	CHULA ...	05-Aug-11	INACTIVE
2011000003	<input type="checkbox"/>	VALLEY...	05-Aug-11	INACTIVE

Station Miramar

Santee (05-08-2014 13:48)

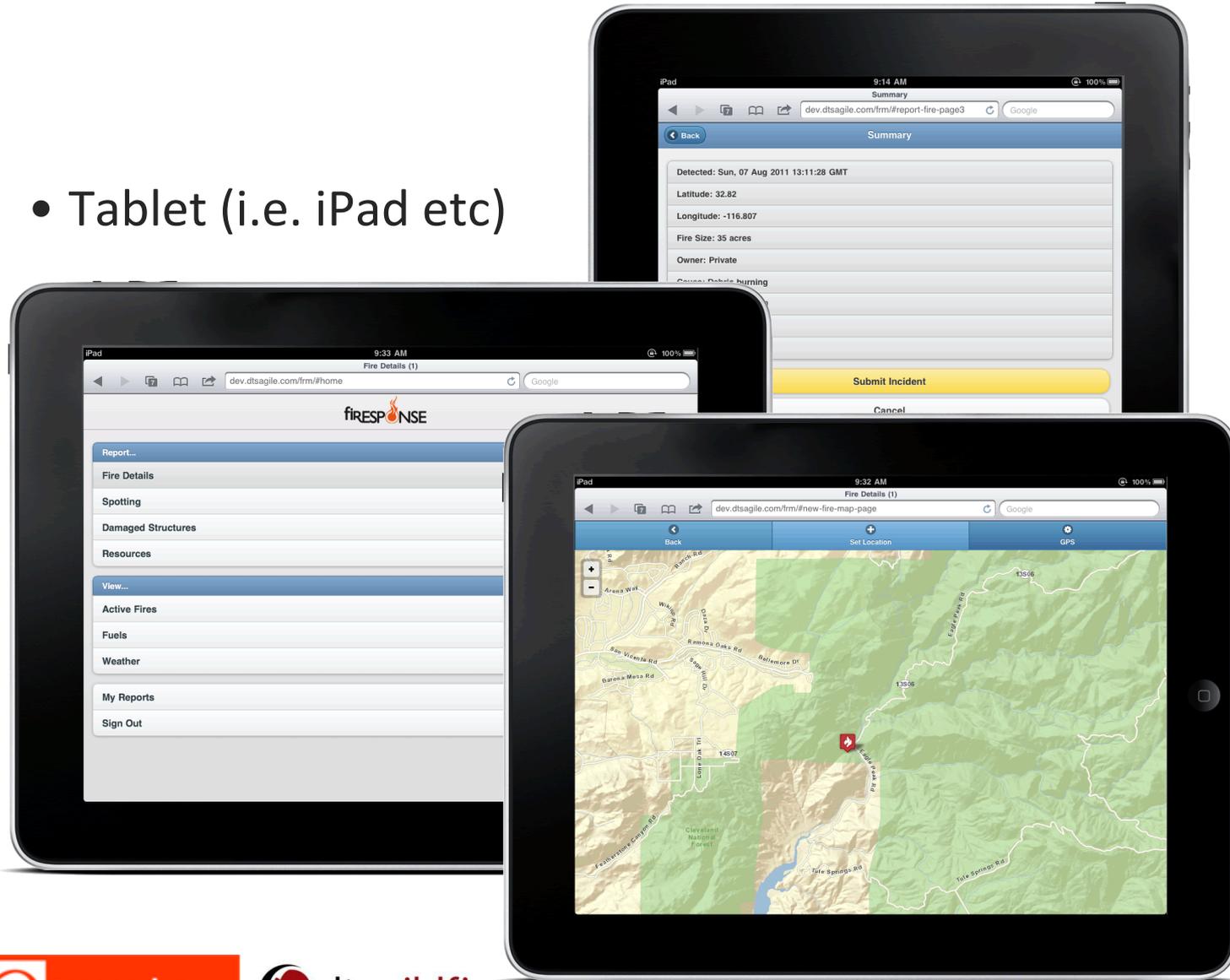
Santee

View Reference system: NAD_1983_StatePlane_California_VI_FIPS_0406_Feet(2230) Scale: 43,661 Lat/long coordinates: 6333959.951 1903028.108 Feet

Mensajes de InfoGIS

Mobile Integration for Data Input & Viewing

- Tablet (i.e. iPad etc)

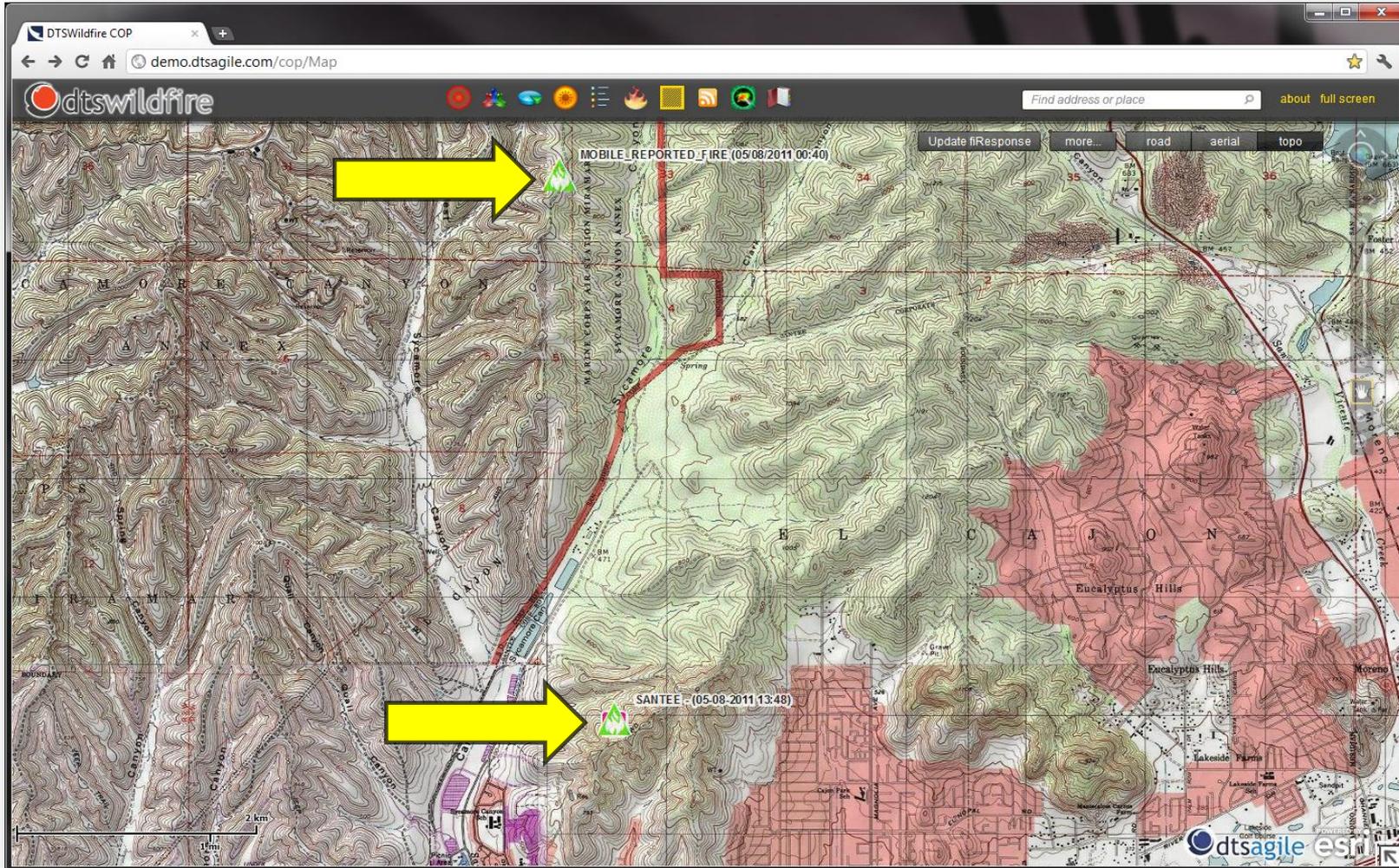


- Smartphone
 - iPhone
 - Android



Wildfire COP & FiResponse Integration

- Seamless synchronization with FiResponse



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

The screenshot displays the FIRESPONSE V 5 software interface. The title bar reads "FIRESPONSE V 5 - USER: TECNOSYLVA : ADM ANDALUCIA - ENVIRONMENT: TEST". The interface includes a menu bar (View, Dispatching, Tools, Help) and a toolbar with icons for various functions like "Let/Long Coordinates", "Mobile location", "Fire Tower", "Multiple Viewpoints", "Place name", "Dispatch Location", "Resource Availability", "Incident declaration", and "Resources management".

On the left, a "List of incidents" panel shows a table of fire incidents. The table has columns for "Code", "NAME", "Date", and "Status". The incidents are grouped by province: Cádiz, Córdoba, Granada, Huelva, Jaén, Málaga, and Sevilla.

Code	NAME	Date	Status
State: CÁDIZ			
201010001	BENAL	19/10/20	EN EXTI.
	ALCALA	12/08/20	EN EXTI.
State: CÓRDOBA			
201040001	CABR...	26/08/...	EN EX...
	VILLAVI	19/08/20	EN EXTI.
State: GRANADA			
	BURICH	13/08/20	EN EXTI.
State: HUELVA			
	SAN BA...	19/10/20	DECLAR.
2010210001	ZALAM	12/08/20	EN EXTI.
State: JAÉN			
	NAVAS	17/08/20	EN EXTI.
	BEDMA	26/08/20	EN EXTI.
	BAEZA	19/10/20	DECLAR.
State: MÁLAGA			
	COMAR	17/08/20	CONTR.
State: SEVILLA			
	MOLAR	17/11/20	DECLAR.

The main map area shows a geographical view of southern Spain, including the provinces of Jaén, Córdoba, and Sevilla. A red dashed line outlines a specific area of interest on the map. The bottom status bar shows "List of incidents", "Chat Log", "Warning Messages Terminal", and "Last availability update: Scale: 289,849".

fiRESPONSE