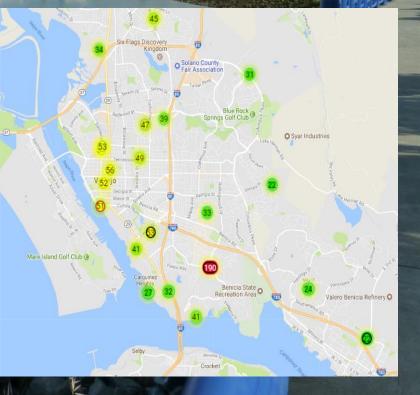
AB 617 -Community Air Protection - A Vallejo Perspective

Observations from Citizen Air Monitoring Network

By: Ken Szutu



Guerrilla Action – from 2016

No money. No support.

What will be covered

•Why? What was the problem Pre-AB617?•Our experience and our challenges

Platform selection – Open v.s. Closed
Air Quality Standards for Health
Real "real-time" – Need to know NOW
Community Engagement

ER visit for Asthma – 3X





Vallejo – A case for study

No refineries in our city

High level of illness





Coast Guard Locates Oil Sheens in San Pablo Bay After Odor Sickens Vallejo Residents

A shelter in place was lifted Wednesday morning after reports of a strong smell sent multiple people to the hospital

By Riya Bhattacharjee and Wire Reports Published at 6:37 AM PDT on Sep 21, 2016 J Updated at 12:56 AM PDT on Sep 22, 2016



The need to know NOW!

Rapid response

We Can't Manage What We Don't Know



One Data Point is not Enough

Currently, Vallejo/Benicia area has only one BAAQMD (AirNow) air monitor .

Many polluting events are masked out due to lack of measurements.

Platform Consideration

Open for the future ?

Open to different vendors for sensors

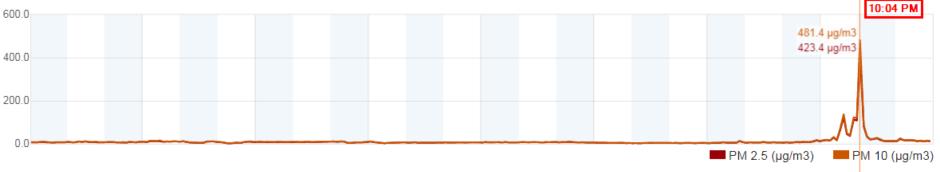
Open to different App writer

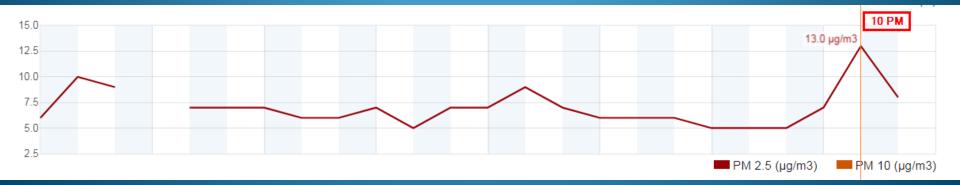
No more data silos

Map based data presentation

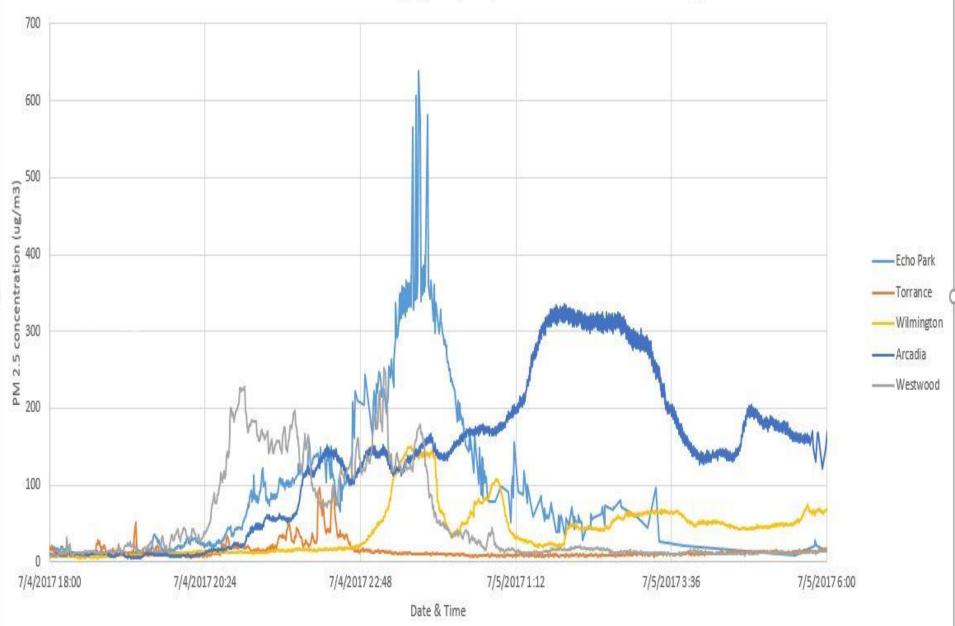


Same Event. Different readings - 481 vs 13 ug





PM 2.5 concentrations (ug/m³) July 4th & 5th Across Los Angeles



A classic case of the Flaw of Averages involves a statistician who drowns while crossing a river that is 3 ft. deep on average.

TXX78630

This poignant rendition by Jeff Danziger accompanied Dr. Savage's October 2000 article in the San Jose Mercury

The Flaw of Averages

Air Quality Standard

Health Based

What is the longest time period allowed for averaging?

Standards drive all activities.

Air pollution does not respect city boundaries

Go with the WIND

Find the sources



Alamo

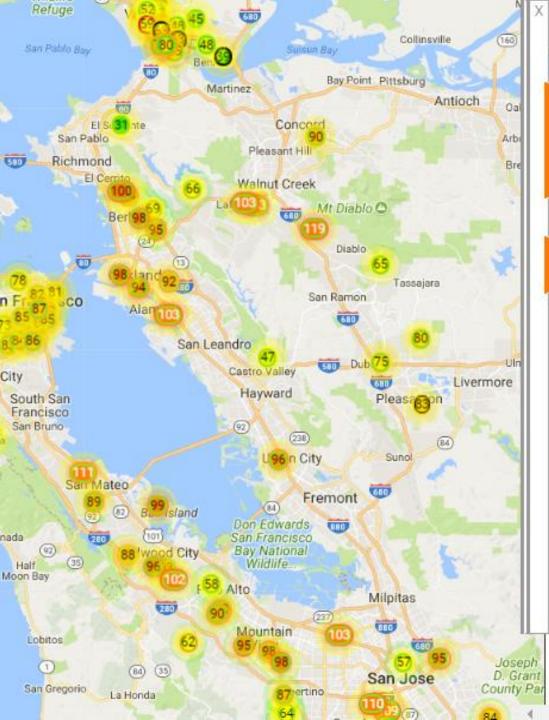
www.coldwellbankerhomes.com

Visit page

View original image

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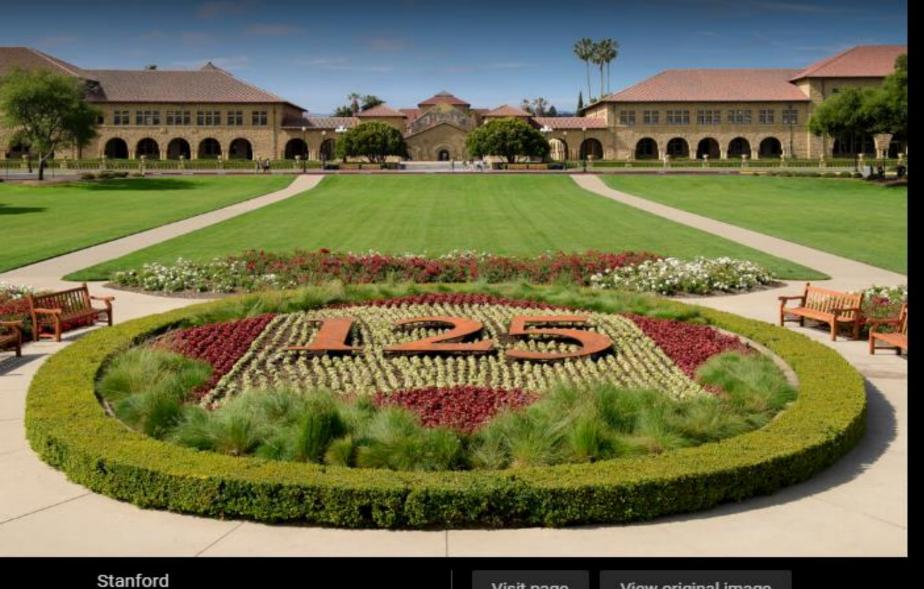
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Trends	Particles	Sensor 0	Current We	ather		
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Channe	el B Runnin	g Averages		2 1		
Real Tim 123 44µg/m	3 118	110	1 hour 97 34µg/m3	6 hour 87 29µg/m3	24 hour 71 22µg/m3	One week 59 16µg/m3
* Approxi	mate condition	ature: <mark>59'</mark> s the laser is ex rated and humic	posed to. Read	lings are affec		ctronics, sunli
Real Tin	ne Short-term	n Average One	e Hour Average	e 24 Hour Av	verage	_

200

Map data @2018 Google Term



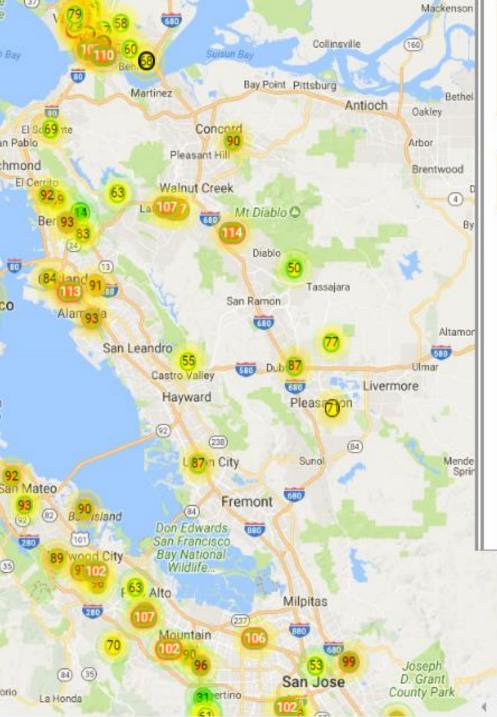
www.tennis-prose.com

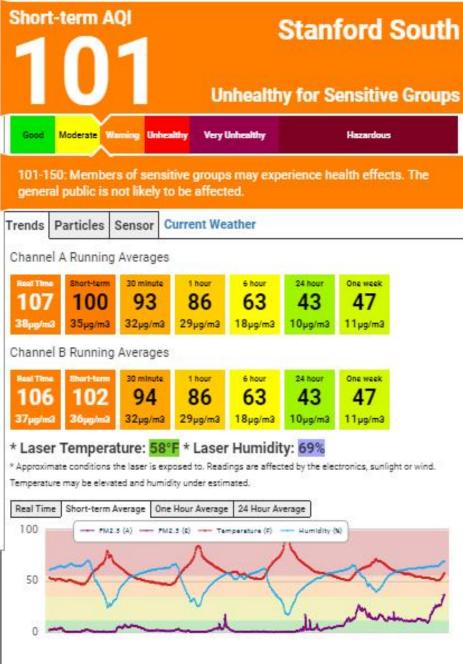
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Google





28. Jan

-50

26. Jan

27. Jan

Map data @2018 Google Terms of Use Report

30. Jan

29. Jan

Act Now! Stop Analysis Paralysis!



Where to start

PM is a shared concerns and impact everyone BAAQMD gives PM sensors as door prize for meetings or... PM Data will dictate WHERE to go and what to do

- Guerrilla

Role of CARB, BAAQMD and Communities

We don't expect agencies to do everything

We do expect agencies to Enable, Support and Balance

Big Opportunities

Big Responsibilities

Let's make decisions that our sons and daughters will be proud.

END kenszutu@gmail.com



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