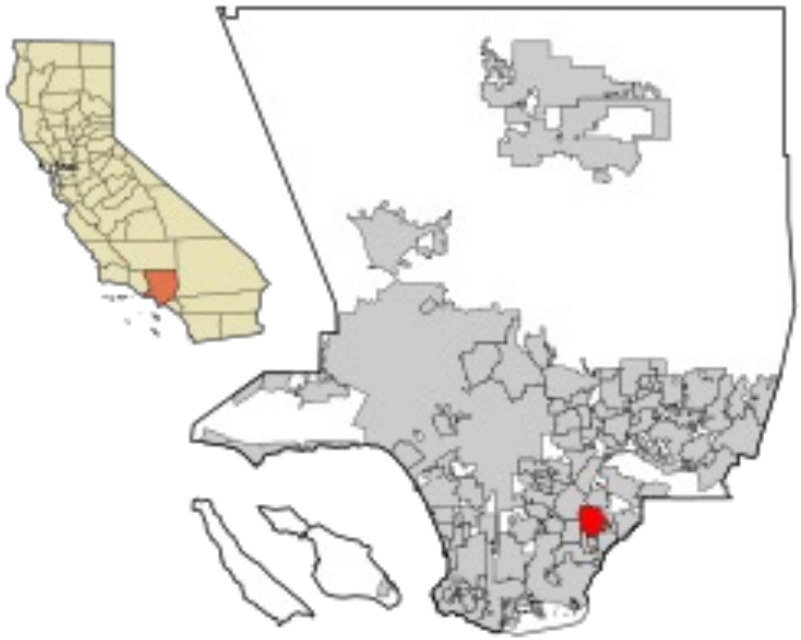
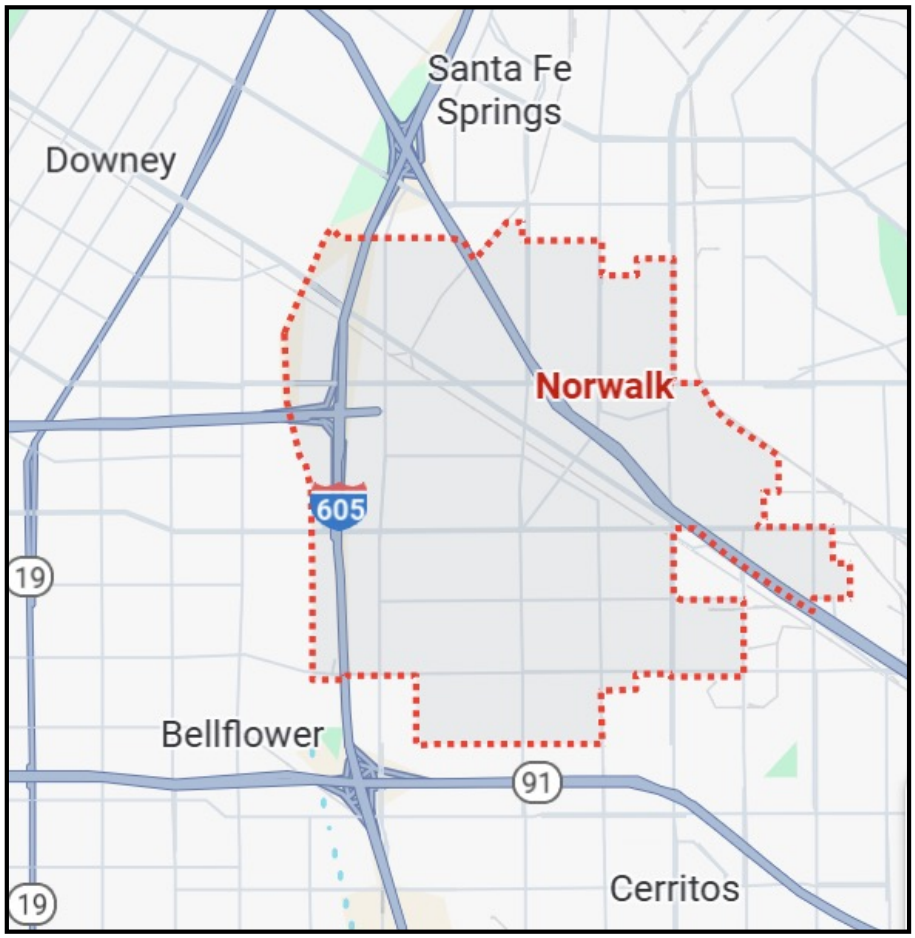
Norwalk Unides

Venezia Ramirez

Nonprofit organization

Committed to housing justice, transportation equity, and environmental health in Norwalk and Southeast Los Angeles County.





Norwalk, CA is a predominantly lower income, disadvantaged community

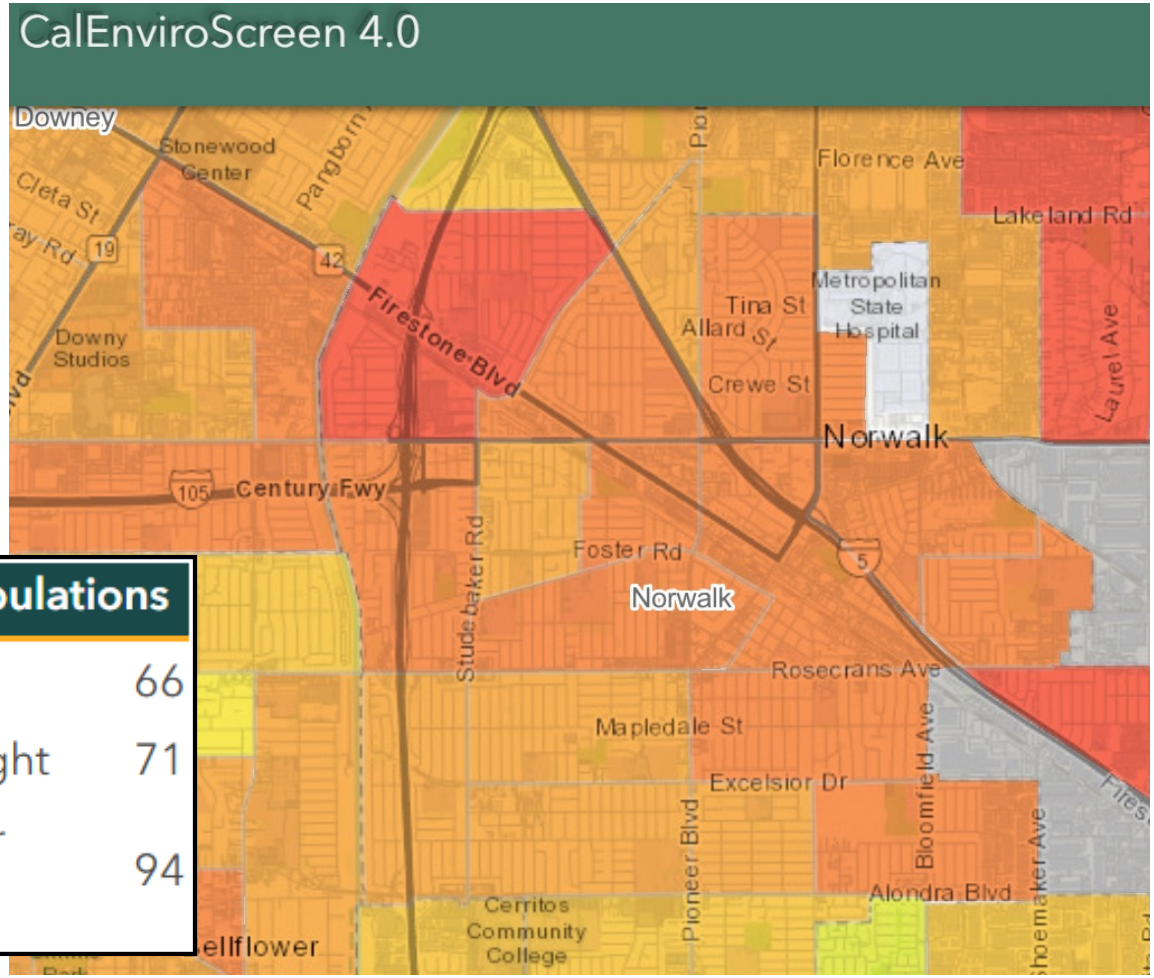
CalEnviroScreen

The CalEnviroScreen 4.0 tool shows cumulative impacts in California communities by census tract.

Overall Percentiles	
CalEnviroScreen 4.0 Percentile	83
Pollution Burden Percentile	71
Population Characteristics Percentile	82

Exposures	
Ozone	47
Particulate Matter 2.5	73
Diesel Particulate Matter	71
Toxic Releases	91
Traffic	64

Sensitive Populations	
Asthma	66
Low Birth Weight	71
Cardiovascular Disease	94



Success!

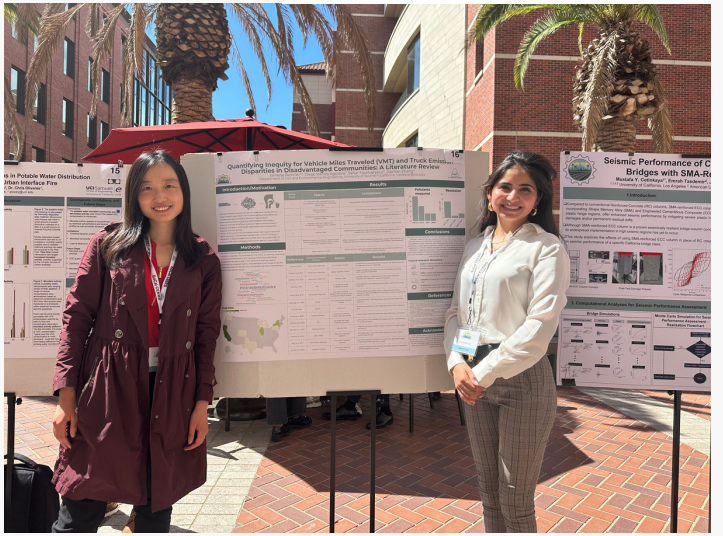
Successfully used open access data to inform policy change to prevent development of new place-based hazards

USC Viterbi

School of Engineering

ACE RESEARCH GROUP

AIR POLLUTION-CLIMATE-EQUITY



Mentor: Dr Jiachen Zhang

Air Quality Agencies

Federal

US EPA

Regulates stationary, area, and mobile sources including interstate transportation

Trains | Ships | Planes

State

CARB

Regulates mobile and area sources of air pollution

Cars | Trucks | Buses

Local

Local Air Districts

Regulates stationary and area sources of air pollution

Factories | Refineries | Residential woodstoves

California Air Resources Board

HAQ Lab

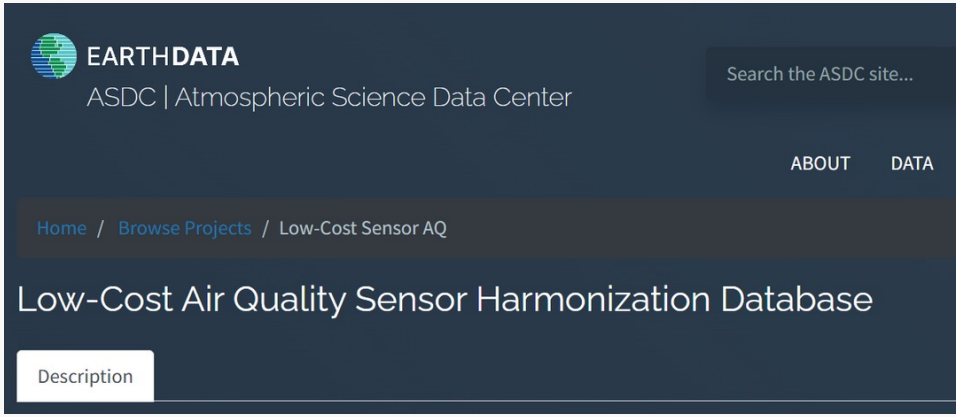
Hannigan Air Quality Lab

NASA

Ames Research Center

NASA Summer Intern

- Co-developed open access global air quality database
- Increased accessibility to air quality data by eliminating technical and financial barriers



Mentor: Dr Kristen Okorn

Establishing community relationships needs to be intentional to be impactful

1. Form relationship, *then*
2. Co-apply for funding, co-develop project

Gracias

Norwalk Unides Website