



# **Statewide Mobile Monitoring Initiative (SMMI)**

Kick Off Meeting

September 17, 2024

# Participant Poll

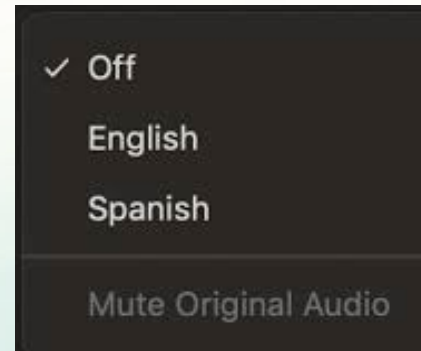
Please take a moment to follow the prompts on the poll by following the link in the chat.

# Opción de Interpretación en Zoom

Seleccione el icono de interpretación desde los controles de la pantalla

- Haga clic en "Interpretation" en el menú
- Seleccione español (*Spanish*)
- Seleccione la opción para poner el audio original en silencio (*Mute Original Audio*)

*Preguntas sobre Zoom? Envíe un mensaje a Jackson vía el chat.*



## Language Interpretation through Zoom

Click the Interpretation icon in your meeting controls

- Navigate to Language Channels
- Select Spanish OR English
- Mute Original Audio

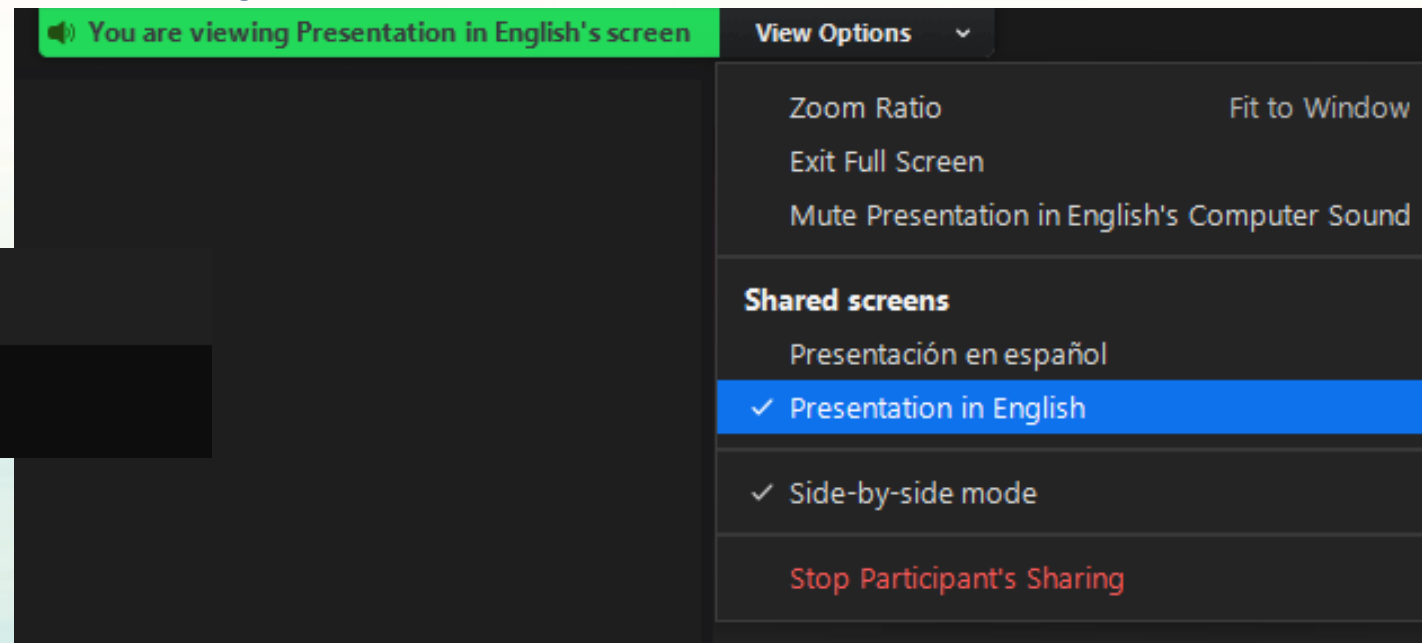
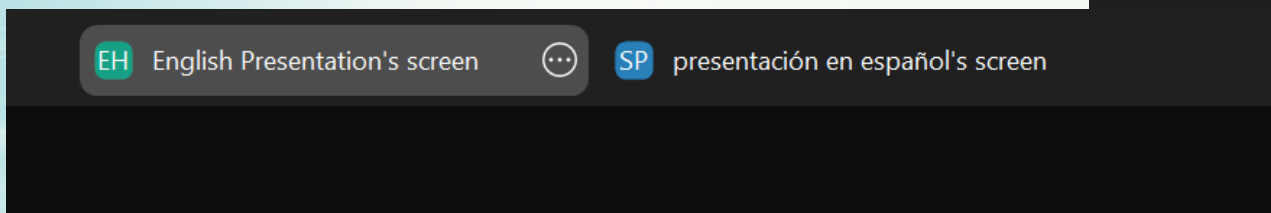
*Zoom Questions? Send a message to Jackson in the Chat.*

# Opciones de Pantalla en Zoom

Haga clic en "View Options" en la parte superior de su pantalla y seleccione "Presentación en español" O "Presentation in English"

Preguntas sobre Zoom?

Envíe un mensaje a Jackson vía el chat.



## View Options on Zoom

Click on View Options at the top of your screen and select "Presentación en español" or "Presentation in English."

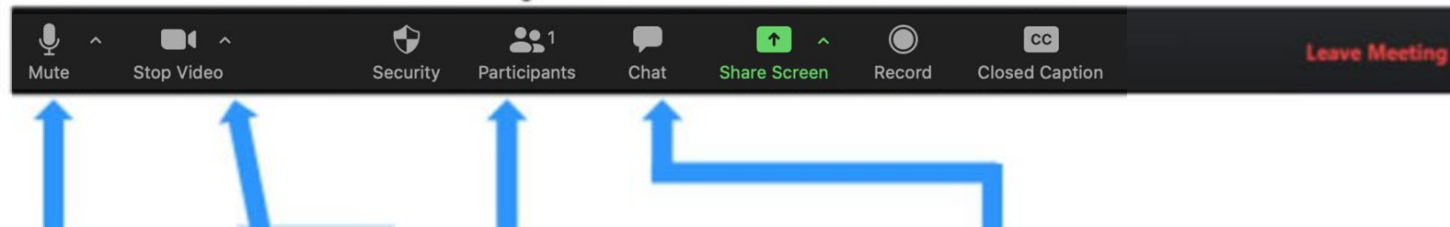
Zoom Questions? Send a message to Jackson in the Chat.



# Zoom Meeting Controls

How to Use   
Video Conferencing

**Black menu bar at top or bottom of screen:**



**Turn  
on/off  
your  
video**

**View all  
participants**  
and see  
where you  
are in  
comment line

**Send a message**  
Select chat window to send  
comments/questions to  
speakers



Zoom Comments/Questions? Send message to Brita using chat

# Community Guidelines

- 1. Please rename yourself and provide affiliation if it applies**
- 2. Engage respectfully**
- 3. Use chat to communicate comments and/or questions to speakers**

*We will do our best to answer all questions in the chat.*

*If we aren't able to answer your question, it will be forwarded to the SMMI Project Team.*

# Objectives

1. Provide an overview of the Statewide Mobile Monitoring Initiative (SMMI)
2. Provide an opportunity to provide feedback on engagement and impacts
3. Discuss how to be engaged in the SMMI

# Agenda

1. Opening remarks from CARB
2. SMMI overview from CARB and Aclima
3. Participant feedback session
4. Links to engagement opportunities
5. Next steps

# Clarifying Questions?

Please submit questions

1. via **Zoom chat**
2. email them to [BRomans@kearnswest.com](mailto:BRomans@kearnswest.com)

We will attempt to answer all questions during the meeting.

All questions will be forwarded to the SMMI Project Team.

# Opening Remarks

Chanell Fletcher

*Deputy Executive Officer of Equity, Communities &  
Environmental Justice*



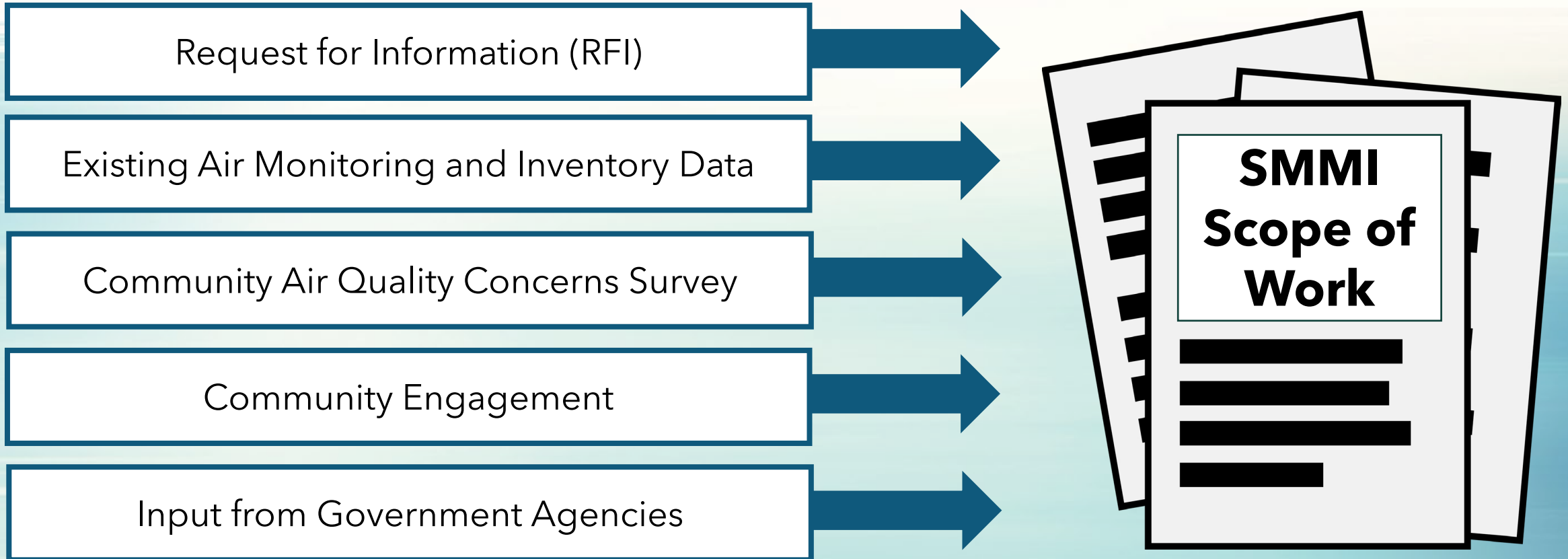
# **State Mobile Monitoring Initiative (SMMI) Overview**

# Contract Background

\$27M Legislative appropriation

CARB awarded Aclima a \$26,880,000 contract to carry out SMMI

# Project Design



# Project Goals

- ➔ Attain a comprehensive dataset of criteria pollutants, toxic air contaminants, and greenhouse gases.
- ➔ Complement AB 617 activities by engaging communities beyond those currently selected under the Community Air Protection Program.
- ➔ Create a data portal for the public to access and visualize SMMI mobile monitoring data.

# Project Overview and Timeline



# Mobile Monitoring Objectives

## Source screening



Identify or confirm emissions from sources of concern

## Identify locations of disproportionate impact



Identify areas overburdened by specific pollutants or sources

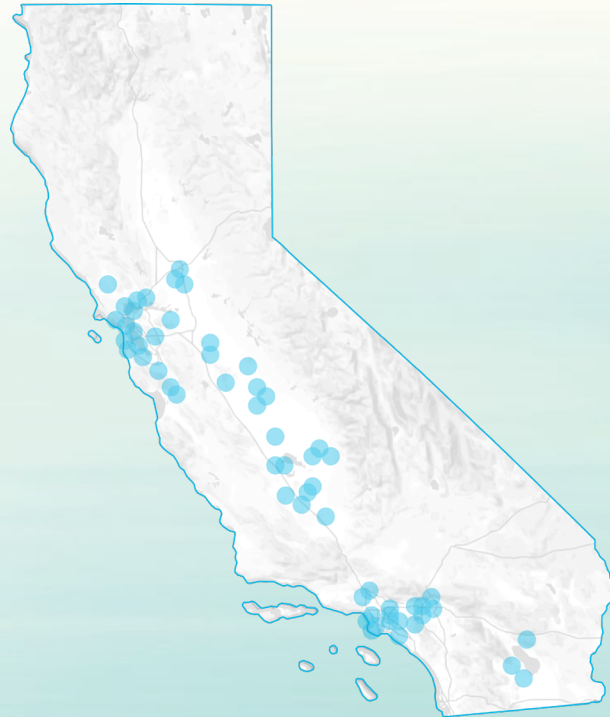
## Other objectives identified during community engagement



# Mobile Monitoring Overview

## 64 Consistently Nominated Communities (CNCs)

### 42 Aclima Platforms



### 3 Partner Mobile Labs

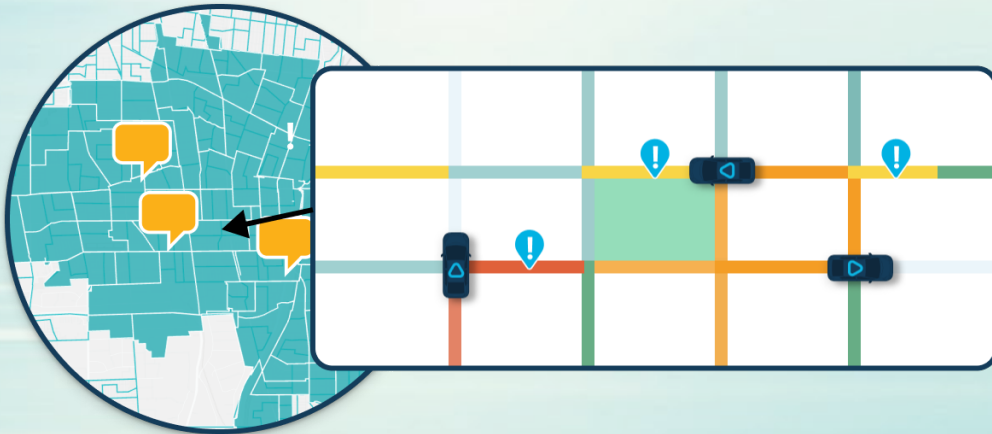


**UC Berkeley, UC Riverside,  
and Aerodyne**

# Mapping Strategy

## Broad Area Mapping

—  
Maps communities with a consistent set of pollutants (Aclima fleet)



## Targeted Area Mapping

—  
Source-specific measurements with further characterization (Aclima fleet + partner labs)



# Air Pollution Sources with Pollutants Measured by SMMI

- Metal working and metal finishing industries
- Foundries and secondary smelters
- Sterilization facilities
- Commodity fumigators
- Oil and gas operations
- Chemical manufacturing
- Animal feed lots
- Rendering facilities
- Ports
- Airports
- Railyards
- Warehouse and distribution centers
- Other large permitted sources (wastewater treatment, landfills, cement plants)
- Commercial activities (auto repair and auto body, dry cleaner, paint shop, printing shop)



# Warehouses & Distribution Centers



## Key Pollutants

Black Carbon

PM<sub>2.5</sub>

PM<sub>10</sub>

NO/NO<sub>2</sub>

Benzene

Toluene

Ethylbenzene

Xylenes

Other VOCs





# Metalworking Industries



## Key Pollutants

Chromium  
Cadmium

Other Metals  
VOCs



# Oil & Gas Operations



## Key Pollutants

Benzene

Toluene

Ethylbenzene

Xylenes

Methane

Ethane

Other VOCs

PM<sub>2.5</sub>

PAHs

Black Carbon



# Sterilization Facilities



**Key Pollutant**

Ethylene Oxide





# Data Visualization and Analysis

## Publicly accessible data visualizations

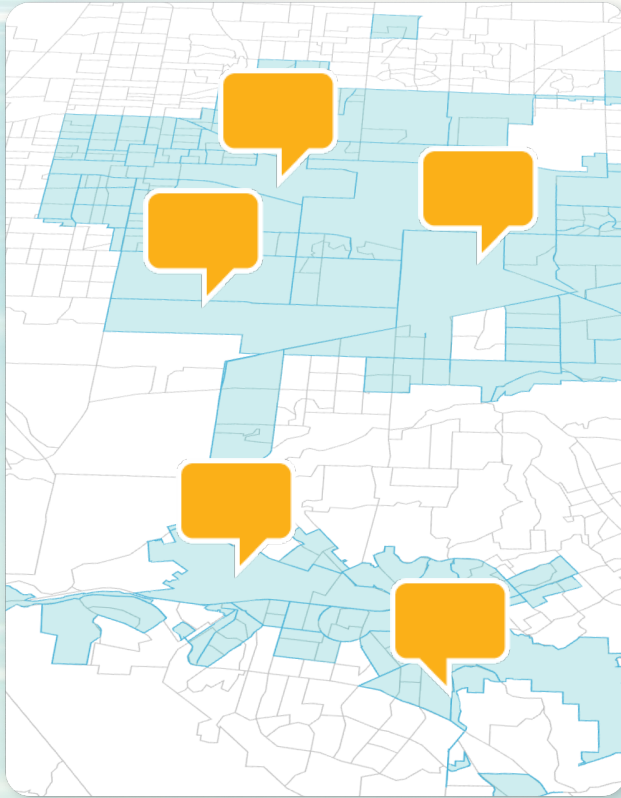
### Example features

- Upfront summaries
- Hotspot/source identification
- Comparative analysis

*Underlying data will be publicly available.*



# Your Participation Will Help Inform the Final Monitoring Plans



- Co-designed parameters include:
  - Sources or locations of concern
  - Geographic definition of “communities”
  - Priority weighting of health and socioeconomic data sets
- Community engagement will drive this through the development of Community Air Monitoring Plans (CAMPs)

# Community Engagement

## Partnering with Communities

Aclima and Kearns & West

Project Expert Group (PEG)

- Compensated members
- A minimum of 50% community representatives

Additional community roles

## Building Community into Planning

Community Engagement Plan

Community Concerns

Air Monitoring Plans

Mobile Air Monitoring

CARB input, oversight, and review

# Engagement Approach

- Iterative, ongoing engagement
- Community governance and leadership
- Multiple feedback points
- Accessible meetings
  - Day and evening meeting times
  - Language services
  - Various feedback methods
  - Virtual and in-person meetings



# Project Expert Group (PEG)

## Who will be in the PEG?

- ➔ Experts will be recruited from across the state to inform and guide the SMMI
- ➔ Community members directly representing the Consistently Nominated Communities (CNCs) will be at least 50% of the group

## What does the PEG do?

### 1) **Serve as advisors for the SMMI in key areas**

- ➔ Support community engagement
- ➔ Development of the Community Engagement Plan
- ➔ Monitoring prioritization to address community concerns

### 2) **Participate in meetings**

*Compensation will be provided for members*



# You Are Invited to Engage!

- Join our Project Expert Group (PEG) - NOW RECRUITING!
  - Includes both technical experts and community experts
  - Compensation will be provided for members
- Participate in community meetings (in person and virtual) to drive development of
  - Community Engagement Plan
  - Community Air Monitoring Plans
- Sign up to express your interest in the PEG or other engagement opportunities
  - Use the "raise hand" function under "react"
  - Fill out the interest form at: <https://bit.ly/SMMI-Engagement>
  - Send an email to: CARB.SMMI@kearnswest.com



# Take the Community Air Quality Concerns Survey

[bit.ly/CA-AirSurvey](https://bit.ly/CA-AirSurvey)

-or-



# Clarifying Questions?

Please submit questions

1. via **Zoom chat**
2. email them to [BRomans@kearnswest.com](mailto:BRomans@kearnswest.com)

We will attempt to answer all questions during the meeting.

All questions will be forwarded to CARB and the SMMI Project Team.

# Participant Breakout Group Discussion

## Breakout groups

- What does success for the SMMI look like to you?
- What are the priorities to reduce air pollution in your community?

# Participant Feedback Session

- Report back from breakout groups.
- Zoom chat additional questions.

We will attempt to answer all questions during the meeting.

- Email unasked or unanswered questions to [BRomans@kearnswest.com](mailto:BRomans@kearnswest.com)

All questions will be forwarded to CARB and the SMMI Project Team.

# Closing Remarks

Edie Chang

*Deputy Executive Officer – Planning, Freight & Toxics*



# Next Steps

- Join our Project Expert Group
  - Fill out the interest form at: <https://bit.ly/SMMI-Engagement>
  - Use the "thumbs up" reaction
  - Send an email to: [CARB.SMMI@kearnswest.com](mailto:CARB.SMMI@kearnswest.com)
  - Compensation will be provided for participation
- Participate in community meetings (in person and virtual) to drive development of
  - Community Engagement Plan
  - Community Air Monitoring Plan
- Take the Community Air Survey
  - [bit.ly/CA-AirSurvey](https://bit.ly/CA-AirSurvey)
- Visit SMMI Website:
  - <https://ww2.arb.ca.gov/statewide-mobile-monitoring-initiative>
- Additional questions or comments? Email [BRomans@kearnswest.com](mailto:BRomans@kearnswest.com)

## Thank you!