# MATES – Overview of goals, previous studies, and timeline

PRESENTER: JO KAY GHOSH, PHD

MATES V TECHNICAL ADVISORY GROUP MEETING

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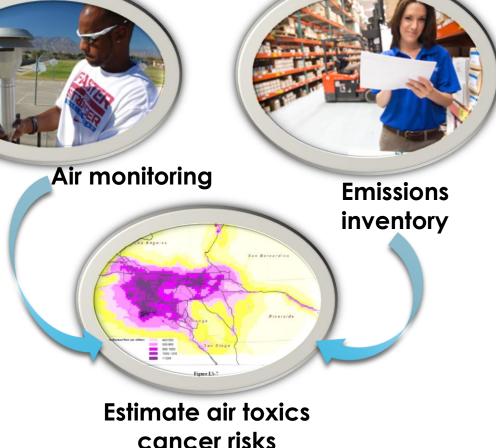
# MATES Program Overview

PURPOSE: To evaluate regional air toxics health risks in the South Coast Air Basin

Governing Board Environmental Justice Initiative

Carcinogenic risk from exposure to air toxics

Cumulative impacts approach



## Previous MATES studies

#### MATESI

• 1986-1987

#### MATES II

• 1998-1999

#### MATES III

• 2004-2006

#### MATES IV

• 2012-2013



### MATES IV

- >50% decrease in cancer risk from air toxics since MATES III
- Diesel emissions declined by 70% since MATES III
- Diesel PM accounted for 2/3 of air toxics cancer risk
- Continuous UFP and black carbon measurements
- Implemented 2015 OEHHA risk assessment guidelines

## Proposed MATES V

- Fixed station monitoring:
  - ▶ 10 stations
  - Continuous UFP and Black Carbon measurements
- Emissions inventory update
- Regional modeling
- Risk characterization
- Local Scale and Enhanced Monitoring- proposed focus on refineries and EJ areas

## Proposed Timeline

- Draft workplan for fixed sites July 2017
- Technical Advisory Group meetings July 2017 and TBD
- Final workplan for fixed sites Aug 2017
- Fixed site monitoring January December 2018
- Finalize Inventory protocol Mar 2018
- Finalize Modeling protocol Mar 2018
- Preliminary Modeling and Risk Estimates June 2019
- Final Report Fall 2019