



# MAINSTREAMING CLIMATE ADAPTATION PLANNING

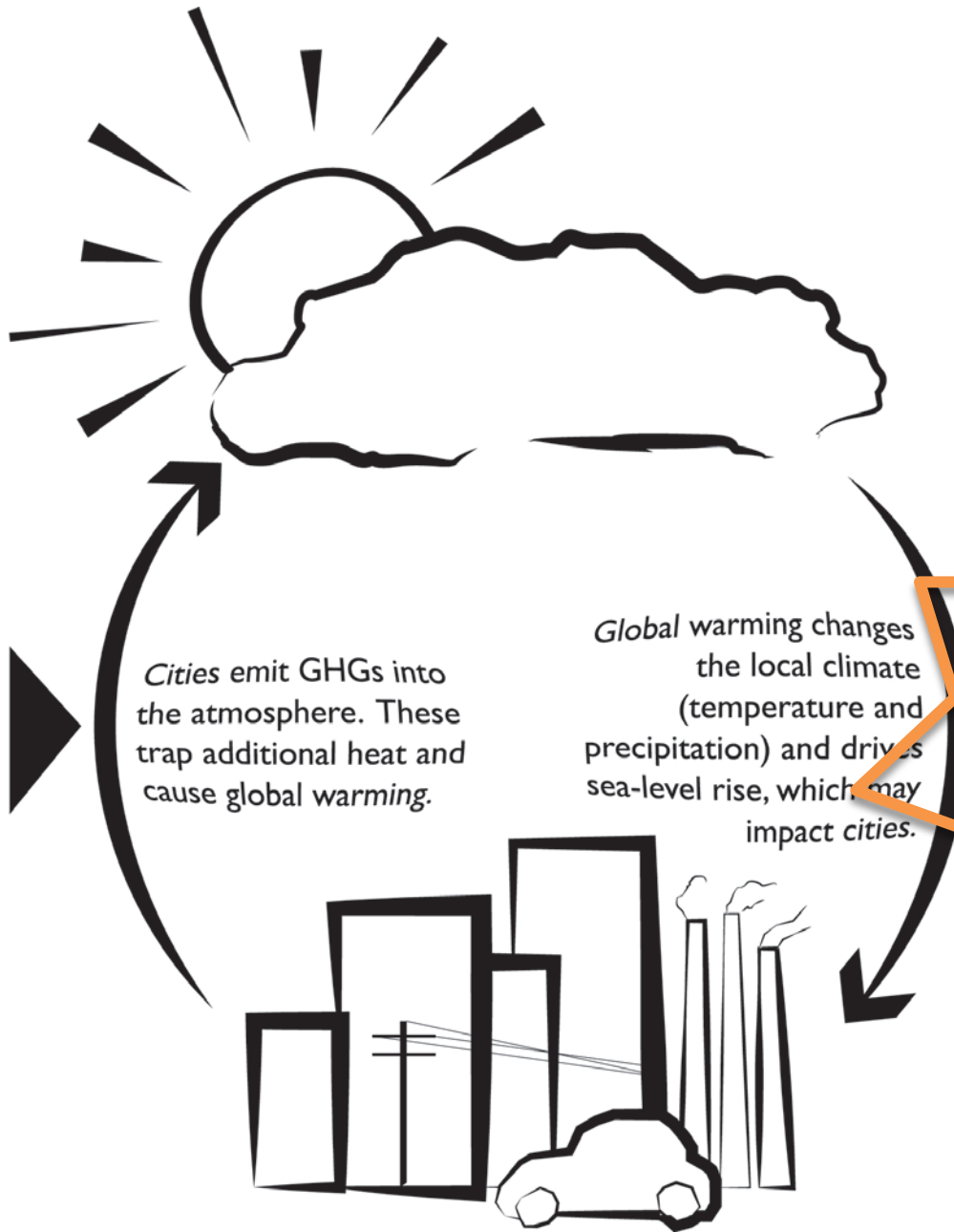
Adrienne I. Greve, PhD  
City and Regional Planning Department

Climate change **mitigation** seeks to reduce the amount of GHG emissions from cities to slow global warming.

*Cities emit GHGs into the atmosphere. These trap additional heat and cause global warming.*

*Global warming changes the local climate (temperature and precipitation) and drives sea-level rise, which may impact cities.*

Climate change **adaptation** seeks to address the impacts of climate change on cities.



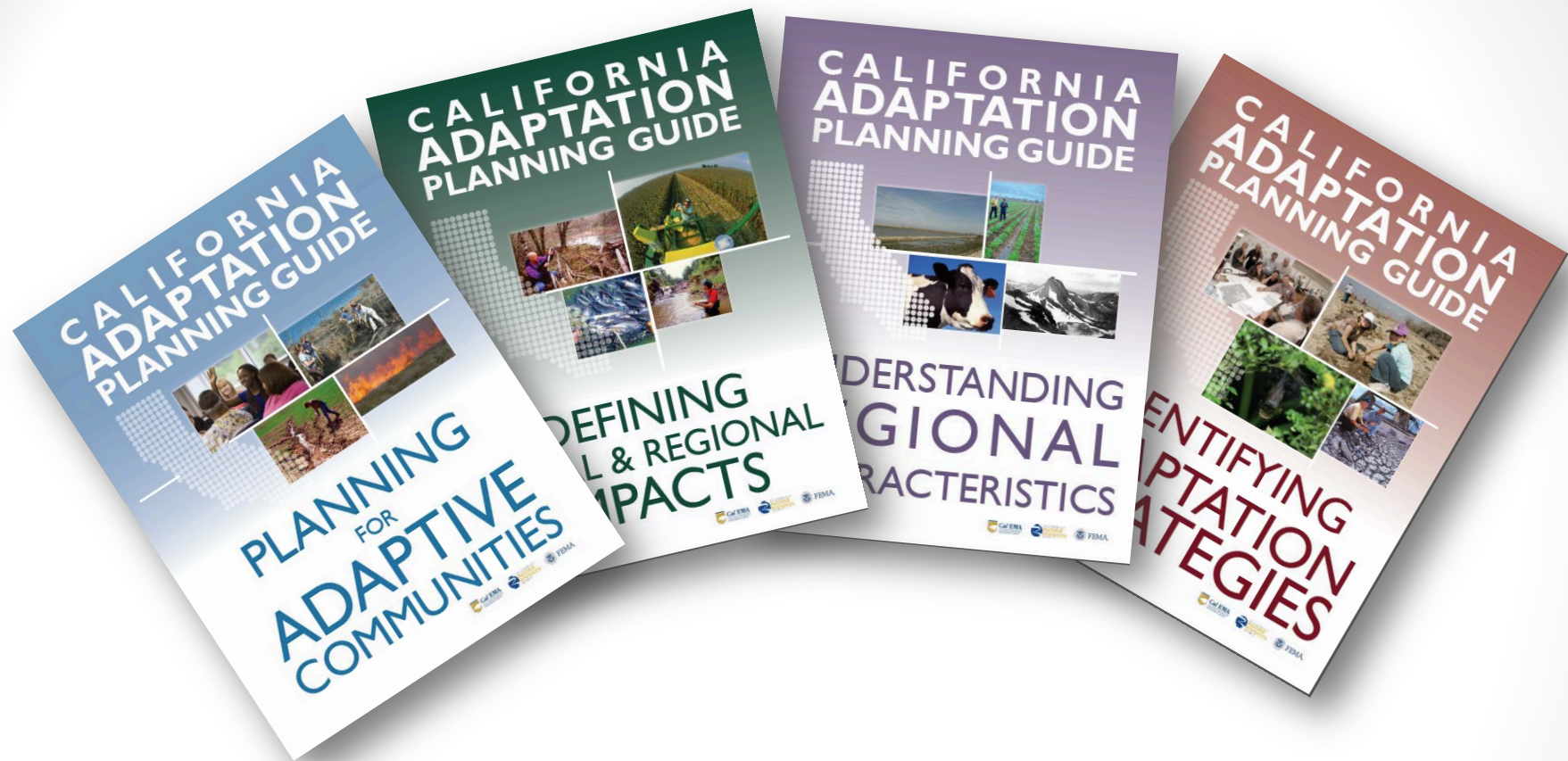
# Adaptation & Local Jurisdictions

## Keys to Success

- Political leadership
- Collaboration
- Triggering events
- Dedicated funding and staff
- Communicate co-benefits
- Interdepartmental team
- Stakeholder engagement
- Institutionalization

## Barriers

- Inadequate data
- Reluctant decision makers
- Long time horizons
- Resource constraints
- Regulatory barriers
- Lack of peer examples



# Adaptation & Local Jurisdictions

## Keys to Success

- Political leadership
- Collaboration
- Triggering events
- Dedicated funding and staff
- Communicate co-benefits
- Interdepartmental team
- Stakeholder engagement

## Barriers

- Inadequate data
- Reluctant decision makers
- Long time horizons
- Resource constraints
- Regulatory barriers
- Lack of peer examples

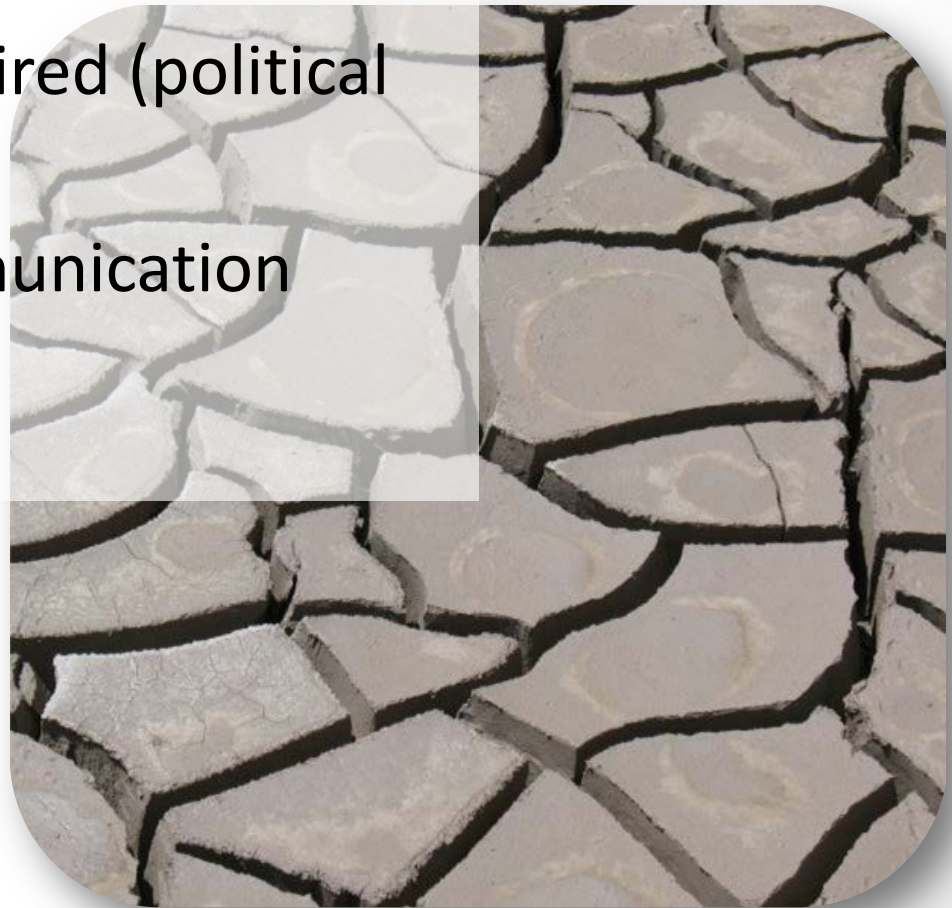
A satellite-style map of the San Francisco Bay Area. The map shows the bay, surrounding land, and major cities. Several areas are highlighted with red and yellow colors, indicating the regions of various organizations. Labels on the map include 'See reverse for chart' at the top, 'San Francisco Co.', 'Contra Costa Co.', 'Alameda', 'Santa Clara Co.', 'San Mateo Co.', 'San Francisco Int'l', 'Oakland Int'l', and 'San Francisco Int'l'.

# Regional Organizations

- Three common themes
  - More science
  - More justification for pursuing adaptation
  - More regional collaboration

# Case Lessons

- Known impacts (6/7)
- State action was desired (political shelter) (4/7)
- Justification & communication concerns (5/7)



# Thank You

Michael Germeraad

Steve Rogers

Megan Elovich

Jean Long

Brian Provenzale

Liz Brighten

Meghan Mroz-Barrett



Adrienne I. Greve  
agreve@calpoly.edu

Michael Boswell  
mboswell@calpoly.edu

Kelly Main  
kdmain@calpoly.edu