# Update on ARB's International Coordination Activities

Sacramento, CA

December 18, 2014

California Environmental Protection Agency

Air Resources Board

"California very strongly supports the efforts of states and cities to do their part to combat climate change … I believe that from the bottom up, we can make real impact and we need to join together … to deal with the existential threat of climate change."

-- Governor Brown, UN Climate Summit, Sept. 2014

UN Climate Summit, September 2014 (AP)

# California's International Agreements on Air Quality and Climate Change

## North America

**Canada**

- British Columbia
- Quebec and California
- Cap-and-Trade Linkage

**Mexico**

- Ministry of Energy
- Ministry of Environment
- State of Baja California
- State of Chiapas
- State of Mexico

## Europe

**Netherlands**

- Ministry of Infrastructure & Environment

## South America

**Brazil**

- State of Acre

**Chile**

- Ministry of Energy

**Peru**

- Government of Peru

## Asia

**China**

- National Development & Reform Commission
- Ministry of Environment
- Beijing Environmental Protection Bureau
- Guangdong Province Jiangsu Provence
- Shenzhen Municipality

**India**

- India-California Air Pollution Mitigation Program (ICAMP)

**Japan**

- Government of Japan

**South Korea**

- Ministry of Environment

December 2014

# Benefits to California

- Learning from others
- Opens doors to global clean tech market
- Bolsters California's climate change program and expands global action
- Improves air quality in border area
- Helps establish programs to address climate change and put a price on carbon

# Catalyzing Global Action on Climate

- California's collaborations with Mexico, China and others
  - Demonstrate leadership and commitment to combatting climate change by countries and regions around the world.
  - Pave the way for meaningful action in the United States and throughout the world.

Earth from space (NASA)

# Working Together on International Efforts

# 45 Years of Technical Excellence

- Worldwide leaders
- CA's air quality programs informed those of other jurisdictions
- Long history of collaboration with other jurisdictions
- Climate change programs leading the world

Dr. Arie Haagen-Smit

# Collaboration with China

- California's technical expertise and experience is helping Chinese agencies address their challenges
- Helping Beijing EPB push for cleaner cars and accelerate ZEV market in China

Beijing 2013 (LA Times)

- Helping to implement meaningful trading programs to reduce GHG emissions
- Assisting regional pilot emissions trading systems

# Collaboration with Mexico

- Updating smog-forming and GHG emission standards for Mexico's light-duty and heavy-duty vehicle programs
- Developing recommendations for Inspection and Maintenance programs (i.e., Smog Check) for several Mexican states
- Continuing support of the Baja air monitoring network
- Discussing implementation of National Climate Law

Mexico City (Photo by Julio Etchart)

# Collaboration with India

- India-California Air Pollution Mitigation Program (ICAMP)
  - Report released November 2014
    - 12 specific recommendations for immediate action
  - Initial focus on improving air quality monitoring network and developing AQI
  - Utilize California's experience in mitigating air pollution to inform policies

New Delhi (Photo by UCSD Scripps)

# Collaboration with Québec

- California and Québec Programs linked beginning January 1, 2014
- First joint auction was held November 25, 2014
- Accelerating deployment of ZEVs

Quebec (NASA)

# International Forestry

- Governors' Climate and Forests Task Force (GCF)
  - Members include states in Indonesia, Nigeria, Spain, Mexico, Brazil, Peru, & U.S.
- REDD Offset Working Group (ROW)
- New York Declaration on Forests

Amazon Rainforest (Photo by Felipe Menegaz)

# Multi-jurisdictional Collaborations

- Pacific Coast Collaborative
  - British Columbia, Oregon and Washington
  - Action Plan on Climate and Energy
- Partnership for Market Readiness
  - World Bank initiative
- Climate and Clean Air Coalition to Reduce Short Lived Climate Pollutants

Pacific Northwest (NASA)

# Next Steps

- Continue to be a climate leader on subnational level
- Continue to actively seek partners to work together in global battle against climate change
- Ensure mutually beneficial outcomes from collaborations

UC Berkeley (Photo by M. Minnick)