



2018 Haagen-Smit Clean Air Awards

February 21, 2019

Clean Air Awards

Recognize exemplary air pollution and climate change science and policy achievements

Arie Haagen-Smit, Ph.D.



Mobile Laboratory

- Professor at California Institute of Technology
- Linked Los Angeles smog to automobiles
- “Father” of air pollution control
- CARB’s first Chairman in 1968
- Awarded National Medal of Science in 1973

2018 Award Recipients



HAAGEN-SMIT
CLEAN AIR AWARDS

- Paul Crutzen, Ph.D.
- Anne Douglass, Ph.D.
- Hal Harvey
- Barry Wallerstein, D.Env.
- John Watson, Ph.D.

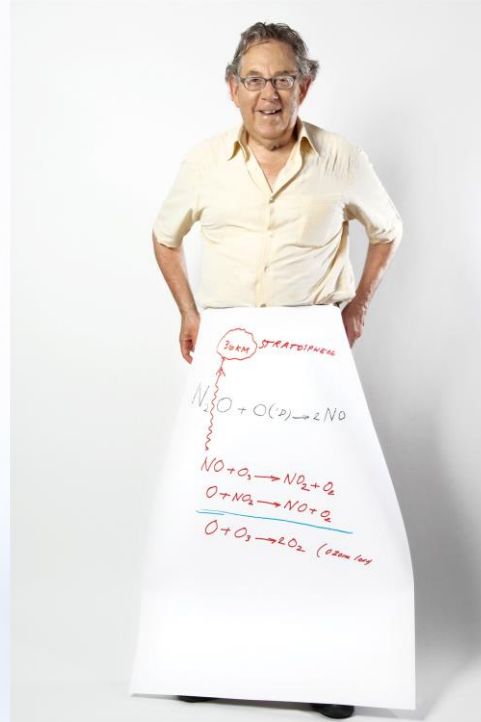
Paul Crutzen, Ph.D.

International Air Pollution Research



- Emeritus, Germany's Max Planck Institute for Chemistry
- Emeritus Professor, Scripps Institution of Oceanography
- Research on ozone-depleting substances spurred global action and the 1987 Montreal Protocol
- Nobel Prize in Chemistry, 1995

Paul Crutzen, Ph.D.



Paul Crutzen is part of the exhibition project "Sketches of Science" by Volker Steger

Anne Douglass, Ph.D.

Atmospheric Research



- Atmospheric Scientist, NASA Goddard Space Flight Center
- Project Scientist for Aura Satellite, an Earth Observing System observatory
- Advanced modeling of chemical and climate processes on ozone

Anne Douglass, Ph.D.



Anne Douglass holding a model of the Aura satellite.

Hal Harvey

Climate Policy



- CEO, Energy Innovations, LLC
- Founded climate-focused philanthropic organizations The Energy Foundation and The ClimateWorks Foundation
- Author, “Designing Climate Solutions: A Policy Guide for Low-Carbon Energy”

Hal Harvey



Climate One event
November 2018

Barry Wallerstein, D.Env.

Environmental Policy



- Senior Policy Fellow, UC Riverside
- Executive Officer, South Coast Air Quality Management District 1997-2016
- Leader on Southern California regional air and climate issues

Barry Wallerstein, D.Env.



U.S. EPA Environmental Awards
2010

John Watson, Ph.D.

Air Pollution Research



- Research Professor, Desert Research Institute
- Adjunct Professor, Institute of Earth Environment, Chinese Academy of Sciences
- Spurred influential innovations and assessment of adverse impacts from air pollution

John Watson, Ph.D.



Measuring air pollution damage on China's Terra Cotta Warriors
2006



Thank you!

arb.ca.gov/hsawards