

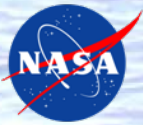
# **JPL Climate Day**

**Annie Richardson**

**Jet Propulsion Laboratory, California Institute of Technology**

**20 October 2011**

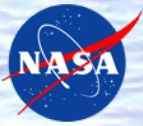
**OSTST, San Diego, California, USA**



# What is Climate Day?

Climate Day is an event designed to:

- Provide students and teachers the latest scientific facts about global climate change;
- Explain how we know what we know about climate change, and the role of satellites in improving that knowledge;
- Have this exchange take place in a fun and exciting environment.



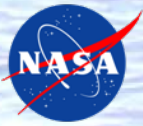
# Climate Day Goal

Goal to have participants leave with:

- Knowledge that will help them engage in the global climate debate
- Recognition individuals contribute to global problems and solutions
- Information to make changes toward more sustainable living

Goal accomplished through:

- Talks by leading scientists, hands-on activities, demonstrations, and exhibits



# Climate Day 2008



ESGVROP/TC campus;  
950 students reached

**CLIMATE DAY 2008**

Presented by NASA's Jet Propulsion Laboratory (JPL) and the Centers for Ocean Science Education Excellence-West (COSEE-West), in conjunction with the East San Gabriel Valley ROP/Technical Center.

**TUESDAY, MARCH 18, 2008**  
10AM - 3PM  
**EAST SAN GABRIEL VALLEY ROP/TECHNICAL CENTER**  
1501 DEL NORTE ST., WEST COVINA

LECTURES, EXHIBITS, HANDS-ON ACTIVITIES, RESOURCES, VIDEOS AND MORE!

**"THE SCIENCE OF CLIMATE CHANGE"**  
LECTURE BY DR. JOBEA HOLT (THE CLIMATE PROJECT)




**"ME AND YOU AND CO2"**  
LECTURE BY DR. ERIC FETZER (JPL)  
DISCOVER HOW HUMAN ACTIVITIES AFFECT CLIMATE.  
DETERMINE YOUR CARBON FOOTPRINT.


**"THE OCEAN'S ROLE IN CLIMATE: WHERE DOES THE HEAT FROM GLOBAL WARMING END UP?"**  
LECTURE BY DR. JOSH WILLIS (JPL)  
HEAT CAPACITY DEMONSTRATION AND CONTEST!

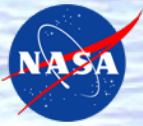
**"PUT 'EM UP: THE NECESSITY OF SATELLITES FOR MONITORING GLOBAL CLIMATE"**  
LECTURE BY KAREN YUEN (MANAGER, JPL EARTH SCIENCE PUBLIC ENGAGEMENT)  
LEARN ABOUT NASA/JPL EARTH SCIENCE MISSIONS: OSTM, OCO, JASON, AIRS, QUIKSCAT, CLOUDSAT, GRACE, ACRIMSAT.

**"THE CARBON DIOXIDE SHUFFLE"**  
LECTURE AND ACTIVITY BY DR. CHARLES MILLER (JPL)  
LEARN WHY THIS MOLECULE IS IMPORTANT IN CLIMATE CHANGE.

For more information email us at [cosee.west@gmail.com](mailto:cosee.west@gmail.com)



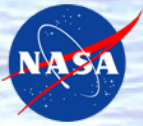



# NASA Climate Day



- 2009 “NASA Climate Day” multi-center proposal
  - Events, Resource Kit; Earth Ambassadors
  - Proposal selected in 2010 for 3-yr funding
- 20 Earth Ambassadors selected from informal education applicants
- Earth Ambassador training held 13-14 October 2011 at NASA Goddard
- NASA Climate Day event at Patuxent Wildlife Festival





# Climate Day 2010

NASA/JET PROPULSION LABORATORY

## CLIMATE DAY at the PASADENA CONVENTION CENTER

March 26 & 27, 9am to 3pm



Lectures by NASA and NOAA scientists; demonstrations, exhibits, student presentations, Climate Jeopardy competitions, giant illuminated Earth globe, career information, teacher and community resources, & more!

Speakers include: Dr. Josh Willis - recipient of the 2009 Presidential Early Career Award in Science and Engineering, Mr. Eric Boldt - National Weather Service, Dr. Mike Gunson - JPL Global Change and Energy Program, Dr. JoBea Holt - The Climate Project, Dr. Richard Shope - Urban Science Corps Science in Action Theater, and Mr. Rick Dickert - Fox 11 Meteorologist

PUBLIC TOWN HALL, Saturday March 27, 1-2:30 pm:

### Our Changing Climate: The Latest from NASA's Eyes on the Earth

Scientists from NASA's Jet Propulsion Laboratory and Scripps will discuss the latest research and trends in the fields of Earth's atmosphere, ocean, ice, ecosystems, and paleoclimatology

Pre-registration is required for attendance on Friday only. Go to: [climate.nasa.gov/ClimateDay](http://climate.nasa.gov/ClimateDay)

For more information, email: [Annie.Richardson@jpl.nasa.gov](mailto:Annie.Richardson@jpl.nasa.gov)

### Bringing Scientists, Students and Communities Together to Promote Global Climate Literacy

This free event is sponsored by NASA's Jet Propulsion Laboratory in partnership with the Center for Ocean Sciences Education Excellence - COSEE-West and the National Oceanic and Atmospheric Administration/National Weather Service. Student Transportation sponsored by South Coast Air Quality Management District and Pasadena Water and Power.



Two days; 1300 students; 300 general public; student displays



# Climate Day 2011



Keynote Presenter



Science Lectures



1300+ Students

National Aeronautics and Space Administration

**NASA/JPL  
Climate Day 2011**

Free Educational Event for Middle and High School Students and Teachers\*

Hosted by the Jet Propulsion Laboratory (JPL) and Center for Ocean Science Education Excellence (COSEE-West)

**Thursday, October 13th  
9:00 a.m. – 2:00 p.m.**

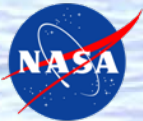
Pasadena Convention Center  
300 East Green Street  
Pasadena, CA 91101

Visit our website to register:  
<http://climate.nasa.gov/NASAClimateDay>  
or email [Annie.Richardson@jpl.nasa.gov](mailto:Annie.Richardson@jpl.nasa.gov)  
for more information.

\*Transportation may be provided  
[www.nasa.gov](http://www.nasa.gov)



Hands-on Activities







Climate Day:  
A great way to promote  
global climate literacy!

Thank you