



PLEASE POST!



COSEE-West and the Jet Propulsion Laboratory Earth Science EPO
present a **FREE** educator workshop in the 2010-2011 series
co-sponsored by Boeing *

Clearing the air about the ocean and climate

hosted by NASA Jet Propulsion Laboratory †

4800 Oak Grove Drive, Pasadena, California 91109
in the von Karman Auditorium

on Saturday, January 29, 2011
8:00 A.M. – 3:30 P.M.

*featuring: a **tour** of some of the JPL facilities,
hands-on, inquiry-based, integrative **classroom activities** correlated with CA Standards, &
a **lecture** by Dr. Joshua Willis, Oceanographer, Jet Propulsion Laboratory,
“*Global Warming Guaranteed: What the oceans tell us about climate change*”*

Absorbing more than 80 percent of the increased atmospheric heat resulting from human activities, the World Ocean sets the pace for global warming. Our rising and warming seas provide a poignant reminder of our influence on our climate. Dr. Willis will discuss some of the major ways in which the ocean influences the global climate.

Josh Willis is an oceanographer and climate scientist at NASA's Jet Propulsion Laboratory. Josh studies global warming, sea level rise and the role of the ocean in our global climate. Josh was also a contributing author to the 2007 report of the Intergovernmental Panel on Climate Change, which shared the 2007 Nobel Peace prize with Vice President Al Gore. In 2009, he was awarded the Presidential Early Career Award for Scientists and Engineers.

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**Map & Driving Directions:** [http://www.jpl.nasa.gov/about\\_JPL/maps.cfm](http://www.jpl.nasa.gov/about_JPL/maps.cfm)

† **To be permitted to enter JPL**, your name must be on the list of registered participants **AND** you must show your government-issued photo ID (passport, driver's license or business/school issued). **NO exceptions.** Your vehicle trunk may be inspected when you enter the premises.

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Educators please register for this workshop by contacting the UCLA COSEE-West office at cosee.west@gmail.com or 310-206-8247.

Provide your full name, citizenship, grade level(s) you teach, and an email or phone number to reach you. Include your permanent residency status, if applicable. Foreign nationals must provide country of passport issuance, passport number, & expiration date, birth date, visa type, & expiration date.

The deadline to register is Friday, Jan 21. Space is limited!

K-12 teachers may get documentation for Professional Development hours upon request.

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**\* Educator stipends and lunch are being generously provided by a grant from Boeing to USC for COSEE-West.** Lunch is available to all educators who register in advance (see above).

Stipends are available to the first 25 educators who:

- 1) Register for this event on or before Fri, Jan 21 (make sure you receive confirmation from us),
- 2) Attend the entire event (time listed above),
- 3) Provide your information so we can pay your stipend from USC. We will provide you with specific details when you register.
- 4) Complete a feedback survey at the end of the event.

For information about the COSEE-West program, visit <http://www.usc.edu/org/cosee-west/>

Supported by grants from the National Science Foundation to USC, UCLA & the College of Exploration for COSEE-West and from Boeing Global Corporate Citizenship to USC for COSEE-West