

Open NASA Earth Exchange (OpenNEX) Virtual Workshop & Challenge 2014

July 1st - November 15th, 2014

President Obama has announced a series of executive actions to reduce carbon pollution and promote sound science to understand and manage climate impacts for the U.S.

Following the President's call for developing tools for climate resilience, NEX is hosting a workshop that will feature:

- 1) Climate science through lectures by experts
- 2) Computational tools through virtual labs, and
- 3) A challenge inviting participants to compete for prizes by designing and implementing solutions for climate resilience.

For more information on virtual labs and lectures, visit
<https://nex.nasa.gov/opennex/>

OpenNEX Challenge

The OpenNEX challenge, a collaboration among [NASA](#), [Amazon Web Services, Inc.](#) & [Innocentive](#), invites the general public, climate scientists, software engineers, and data analysts to design and implement concepts that enable climate resilience.

There will be \$60,000 in prize money available for participants as a reward for their innovations.

Why Participate ?

- Use NASA's open data and tools to create novel concepts and solutions addressing global climate change.
- Compete to address challenges of global importance.
- Win prizes.
- Give yourself a career boost.

About

NASA Earth Exchange (NEX) is a virtual collaborative that provides resources (core data sets, scientific tools and workflows, software, and computing) for data- and compute-intensive, NASA-supported Earth science challenges. For more information, please visit
<https://nex.nasa.gov/> and <https://nex.nasa.gov/OpenNEX/>



Data

- Satellite Data (MODIS, Landsat, AVHRR)
- Climate Data (Historical and Projected - NEXDCP30)



Experts Speaking On

- Climate Assessment
- Climate Modeling
- Satellite Data Analysis



Computing

- On-demand
- Build on Working Codes

OpenNEX



Virtual Labs

- Accessible Virtual Machines
- Hand's on Experience
- User Guides

Featured Speakers

Watch them live or browse through lectures from the video library



- Dr. Martin Hoerling, NOAA
- Dr. Dan Cayan, USGS
- Dr. Steve Running, University of Montana
- Dr. Fred Lipschultz, USGCRP
- Dr. Ed Maurer, Santa Clara University
- Dr. Jeff Masek, Goddard Space Flight Center
- Dr. John Kimball, University of Montana
- Dr. Mark Friedl, Boston University
- Dr. Sassan Saatchi, NASA JPL

More to follow ...

