

Citizen Science

March 24, 2015, 1:00 - 2:30 p.m. EDT

To participate, please see **Webinar Information** below.

Description: This webinar will focus on the growing role of citizen science in biomedical research. Presenters will discuss the valuable contributions of citizen science to environmental public health and how it complements but differs from community-engaged research. The webinar will include presentations on examples of how citizen science is successfully incorporated into research and resources available to conduct citizen science projects.

Citizen Science as a Strategy for Involving Communities in Health Research

Linda Silka, Ph.D., University of Maine



Citizen science and community-based participatory research (CBPR) are approaches for working collaboratively with community residents. What can citizen science and CBPR learn from each other? This presentation will provide examples from each approach and suggest ways for integrating the strengths of each in order to support health research.

Citizen Science Efforts and Environmental Health Risk Communication at Hazardous Sites

Mónica Ramírez-Andreotta, Ph.D., University of Arizona



To date, only a limited number of co-created citizen science projects, which are jointly developed by scientists and members of the public and involve community members in most or all steps of the scientific process, have been initiated at contaminated sites and even fewer in conjunction with risk communication. This presentation will (1) discuss methods for working alongside communities neighboring contaminated sites in order to assess and communicate risk and (2) demonstrate the benefits of a community-academic co-created citizen science program for addressing the complex problems that arise in such communities. Such programs can increase communities' involvement in risk communication and environmental decision making, thus potentially mitigating exposure and reducing associated risk.

The Citizen Science Toolbox

Ronald Williams, U.S. Environmental Protection Agency

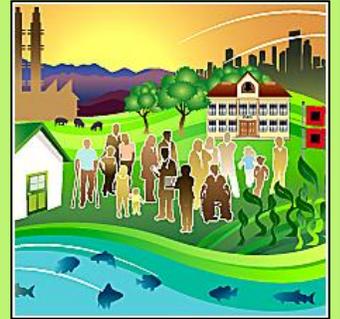


The U.S. EPA's Citizen Science Toolbox is being developed specifically with resources and other tools in mind that can be used by citizens to learn more about air sensor technology at a practical level. Currently, the toolbox includes documents that describe the current market survey (availability of technologies to meet specific air quality monitoring needs), select sensor evaluation reports, and a sensor user guide. Future tools will include standard operating procedures on actual use of low-cost sensors; basic ideas for data analysis, interpretation, and communication; and other helpful

information. (Other Credits: Amanda Kaufman (Oak Ridge Institute for Science and Education) and Tim Barzyk (U.S. EPA))

Webinar Information:

Go to the webinar's Adobe Connect Meeting Room (<https://webmeeting.nih.gov/peph>) and enter as a Guest. Type in your full name and click the **Enter Room** button. You then will be prompted about calling in. Click on **dial-out** and enter your phone number, including "1" and the area code. You then will receive a call from the webinar room to join.



PEPH Webinar Series

The Partnerships for Environmental Public Health (PEPH) program established the PEPH Webinar Series to promote interactions among PEPH grantees and to increase awareness of common issues and approaches. The webinars facilitate consideration of emerging issues. While the primary audience is grantees within the PEPH network, anyone interested in environmental public health is welcome to participate.

If you have any questions about this webinar, please contact Liam O'Fallon (ofallon@niehs.nih.gov, 919-541-7733).

Accommodations for Disabilities:

Individuals with disabilities who need accommodation to participate in this event should contact Liam O'Fallon (ofallon@niehs.nih.gov, 919-541-7733). TTY users should contact the Federal TTY Relay Service at 800-877-8339. Requests should be made at least 5 business days in advance of the event.

