

The Mosquito Challenge Community Campaign

COMBATING ZIKA
AND FUTURE THREATS
A GRAND CHALLENGE FOR DEVELOPMENT

Project Overview

The Institute for Global Environmental Strategies (IGES) is partnering with the University Corporation of Atmospheric Research (UCAR) on a crowd-sourced science and action initiative that leverages existing capacity of the GLOBE Program networks of scientists, teachers, students, and citizen scientists.

Focusing on Brazil and Peru, the project will demonstrate the use of citizen science-collected data by local communities and public health officials to guide local response to Zika.

This demonstration project has five key elements:

- Catalyze citizen scientists in Brazil and Peru to collect mosquito larvae and identify and mitigate breeding sites of disease vectors
- Connect this citizen science initiative to public health and mosquito control officials to develop local risk mitigation strategies
- Support citizen scientist evaluation of community infrastructure to determine measures needed for reducing and eliminating disease risk
- Task citizen scientists (primarily students) to develop an action plan tailored to both the need and the resources available
- Provide a web-based forum for innovating and sharing ideas; reporting findings, research and action plans; and potentially stimulating replication in other communities

IGES's mission is to improve understanding of and response to natural and human-induced changes in the Earth system, which requires multidisciplinary approaches to complex and critical social, environmental and economic challenges. www.strategies.org.

UCAR is a nonprofit consortium of more than 100 North American member colleges and universities focused on research and training in the atmospheric and related Earth system sciences. UCAR manages the GLOBE Implementation Office (GIO) through a NASA cooperative agreement award. <http://www2.ucar.edu/>

The GLOBE Program (Global Learning and Observations to Benefit the Environment) is sponsored by NASA and the National Science Foundation and supported by NOAA and the U.S. Department of State. Internationally, GLOBE is implemented through government-to-government agreements. www.globe.gov

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