



GLOBE Asia - Pacific Mission Mosquito Campaign

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GLOBE Asia - Pacific Regional Coordination Office

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INTRODUCTION

Why Mosquitoes Matter – And What You Can Do About It

They buzz, they bite, and they're everywhere – but mosquitoes are more than just a backyard nuisance. These tiny creatures are part of a much bigger story, one that connects ecosystems, climate, and human health.

In the Asia-Pacific region, mosquitoes thrive in warm, humid environments, often breeding in puddles, old containers, and overgrown vegetation. While they play roles in the food chain and even in pollination, some species – like *Aedes*, *Culex*, and *Anopheles* – carry dangerous diseases such as dengue, Zika, and malaria.

Understanding where and how mosquitoes live helps us protect communities. Every drop of standing water could be a breeding ground. Every observation can help scientists predict where disease outbreaks might occur next.

That's where you come in.

The **GLOBE Mission Mosquito Campaign** turns students, educators, and everyday citizens into mosquito detectives. With just your smartphone and a few minutes, you can help map mosquito habitats and share valuable data with researchers around the world.

This campaign isn't just about science—it's about empowering communities to take action, connect globally, and make a real impact on public health and environmental awareness.

Let's track. Let's learn. Let's protect.



MAIN OBJECTIVE AND GOALS

Empowering Communities Through Science

The GLOBE Asia-Pacific Mission Mosquito Campaign is about more than collecting data—it's about turning curiosity into action.

Our goal is to help people across the region understand, track, and reduce the risks of mosquito-borne diseases by working together as a scientific community.

What We Aim to Do:

- **Engage students, educators, and citizen scientists** in real research that tracks mosquito populations and habitats.
- **Collect meaningful data** using the GLOBE Observer Mosquito Habitat Mapper app to build a global picture of mosquito activity.
- **Raise awareness** about how environment, climate, and land use influence mosquito breeding.
- **Support scientists** by providing high-quality data that helps predict outbreaks and target control efforts.
- **Encourage collaboration** across countries, communities, and disciplines to protect public health.

Why It Matters:

- Understanding where mosquitoes breed helps communities take action—removing standing water, sharing knowledge, and staying safe.
- Data from the campaign can be used by researchers, public health officials, and students in real-world analysis and publications.
- The campaign builds scientific skills and confidence, especially among youth and new participants.

MAIN OBJECTIVE AND GOALS

Scientific Collaboration and Expertise

The campaign actively engages regional Earth system scientists who serve as mentors and reviewers, providing expert feedback on data interpretation and student research projects. This fosters authentic connections between the scientific community and citizen scientists.

Cross-Regional Collaboration

The initiative is linked to cross-regional efforts, including joint data analysis projects and co-hosted events with other GLOBE regions.

Together, we are building a healthier, more informed region—one observation at a time.





HOW TO PARTICIPATE

Step 1: Get the App

Download the GLOBE Observer app and select “Mosquito Habitat Mapper.”

Step 2: Look for Mosquito Hotspots

Check your surroundings—standing water in tires, buckets, puddles, or plants.

Step 3: Take Photos and Check for Larvae

Capture clear images of potential habitats. Look closely for mosquito larvae (wiggling in water). Even reporting “no larvae” is important!

Step 4: Upload Your Data

Submit your observation through the app—your data goes straight to the global research community.

Step 5: Take Action

If it’s safe to do so, remove the standing water to prevent mosquito breeding.

Bonus: Top participants can win certificates and be recognized for their efforts!

APPRECIATION



Certificates: All participants will receive official recognition for their contributions.



Community Showcases: Present your findings at regional symposiums and be part of the conversation.



Mentorship Opportunities: Connect with scientists who can guide your research and academic growth.



Learning Expeditions: Join hands-on field trips to ecological reserves and research centers for real-world learning.

Let's delve into the mosquito world, equip ourselves with knowledge, and collectively forge a brighter future for all. Join us on this exciting mission.





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