



GLOBE Zika Education and Prevention Project



Africa Region Webinar
27 February 2019



Welcome to the Webinar!

GLOBE Implementation Office

Kristin Wegner, Project Manager

Lyn Wigbels, International Coordinator



Webinar Protocol

- All phones and computers will be automatically muted.
- There will be time at the end of the webinar to ask questions.
- If you have a question during the webinar, please use the “chat” feature on Zoom to indicate you have a question on the current topic.
 - You may send a chat question to “everyone” or to only the GLOBE Team by selecting “host.”
- The webinar is being recorded.
- Slides from the webinar will be sent out following the webinar.



Webinar Objectives

- ✓ Provide a project status update.
- ✓ Reinforce Zika project objectives.
- ✓ Reference project tools for Local Mosquito Workshops (such as Community Action Grants).
- ✓ Develop and share strategies for increasing mosquito data collection as well as keeping T2 Trainers engaged as they begin organizing Local Mosquito Workshops.



Webinar Agenda

I. Introductions

- Ms. Kristin Wegner, Project Manager, GLOBE Implementation Office
- Ms. Lyn Wigbels, International Coordinator, GLOBE Implementation Office
- Ms. Kia Henry, Public Diplomacy Officer, U.S. Department of State
- Dr. Tony Murphy, Director, GLOBE Implementation Office
- Mr. Mark Brettenny, Director, Africa Regional Coordination Office

II. Zika Education and Prevention Project Overview

- Project Metrics and Successes to Date; Upcoming GLOBE Opportunities for the Zika Project

III. Africa Region Project Overview

- Country Mosquito Trainings, Metrics Tracking, GLOBE Workshop Tool

IV. Local Mosquito Workshops

- Data Collection; Community Action Grants; Mosquito Protocol Bundle; Mission Mosquito Campaign

V. Engagement and Communication Action Plans

- Country Coordinators share a few plans

VI. Question and Answer, Webinar Conclusion



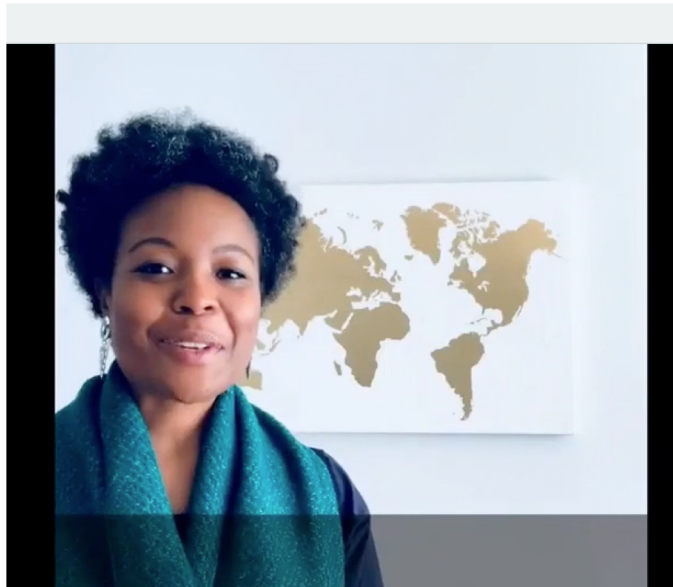
Welcome to the Webinar!

Africa Region

Mr. Mark Brettenny, Director, Regional Coordination Office



Welcome to the Webinar!



Message from Ms. Kia Henry

Public Diplomacy Officer, U.S. Department of State
GLOBE Zika Education and Prevention Project Manager



The GLOBE Program

Welcome to the Webinar!



Message from Dr. Tony Murphy

Director

GLOBE Implementation Office



Project Overview

All Regions



GLOBE Zika Education and Prevention Project

Project Goal

- Limit the spread of the Zika virus and other vector-borne diseases by eliminating mosquito breeding sites at the larval stage in Zika-affected areas.

Project Objectives

1. Engage hard-to-reach, at-risk populations on the ways Zika and other mosquito-borne diseases are transmitted and engage them to take actions to stay healthy;
2. Create regional networks of schools/organizations and public health officials to limit the spread of disease; and
3. Gather, use, and disseminate crowdsourced data to improve tracking and control of Zika and other mosquito-borne viruses.



GLOBE Zika Education and Prevention Project Metrics

- 3 Regional Mosquito Trainings
 - Hanoi, Vietnam; Lima, Peru; Lomé, Togo
- 98 Country Mosquito Trainings
- 2,344 individuals trained as T2 Trainers
- 39,224 data points added to the GLOBE Observer Mosquito Habitat Mapper App (May 2018 – February 2019)



Highlighting Your Successes



Nepal



Benin



Colombia



Triple Frontier CMT:
Argentina, Brazil, Paraguay



Palau



Senegal



Highlighting Your Successes



Micronesia



Suriname



Cameroon



Nigeria



Thailand



Burkina Faso



Additional Project Successes

- **GLOBE Learning Expedition**
 - First annual project meeting.
 - 14 DoS Region students receive GLE travel support.
 - Video Technique Course.
- **Virtual Exchange Program with U.S. Department of State**
 - Six live sessions.
 - How to tell a science story.
- **DoS Student Mosquito Videos**
 - Students applied instruction from the Video Technique Course and Virtual Exchange Program to create video stories about mosquitoes in their communities.

Students from DoS Regions at the GLOBE Learning Expedition, Killarney, Ireland, July 2018



Students from Brazil, Paraguay, Guinea, Kenya, South Africa, and Thailand participate in a Video Technique Course led by Sara Herrin, GIO, and Cedar Wolf, Cedar Wolf Photography.



Africa Region Student Video

Charles from Guinea Presents His Mosquito Research to His Peers





2019 Upcoming GLOBE Opportunities



International Virtual Science Symposium

- IVSS report submissions are now open, final reports are due 10 April 2019.
- Encourage students in Zika project participating countries to submit mosquito research to the IVSS.
- Two student groups per Zika project region will receive support to attend the 2019 GLOBE Annual Meeting.

IVSS Mosquito Report Submission Instructions

- Under “Protocol,” select “Mosquitoes.”
- Under “Report Type,” select “IVSS Report” AND “Mission Mosquito Report.”

2019 GLOBE Annual Meeting

- 14-18 July 2019, Detroit, Michigan USA.
- Eligibility - students must submit mosquito reports to IVSS.
- Maximum two students per student team.
- Selected student groups will be notified mid-May.





Region Project Overview

Africa Region



Africa Project Region Metrics

Participating Countries – Africa (10)
Benin
Burkina Faso
Cameroon
Ghana
Kenya
Madagascar
Nigeria
Senegal
Togo
Uganda

CMT Metrics	
Country Mosquito Trainings	27
# Trained in the GLOBE Workshop Tool	612
# Data Points in the GLOBE Mosquito Habitat Mapper App	5,805

LMW Metrics	
Local Mosquito Trainings	1
# Trained in the GLOBE Workshop Tool	0

- Numbers based on workshop and participant information entered into GLOBE Workshop Tool.



Zika Education and Prevention Project Goals and Metrics

PROJECT GOALS



3,600 T2 Trainers

100,000 data points
entered into the
MHM App



Reach hard to
reach, at-risk
populations

GIO Method for Tracking and Reporting Project Metrics

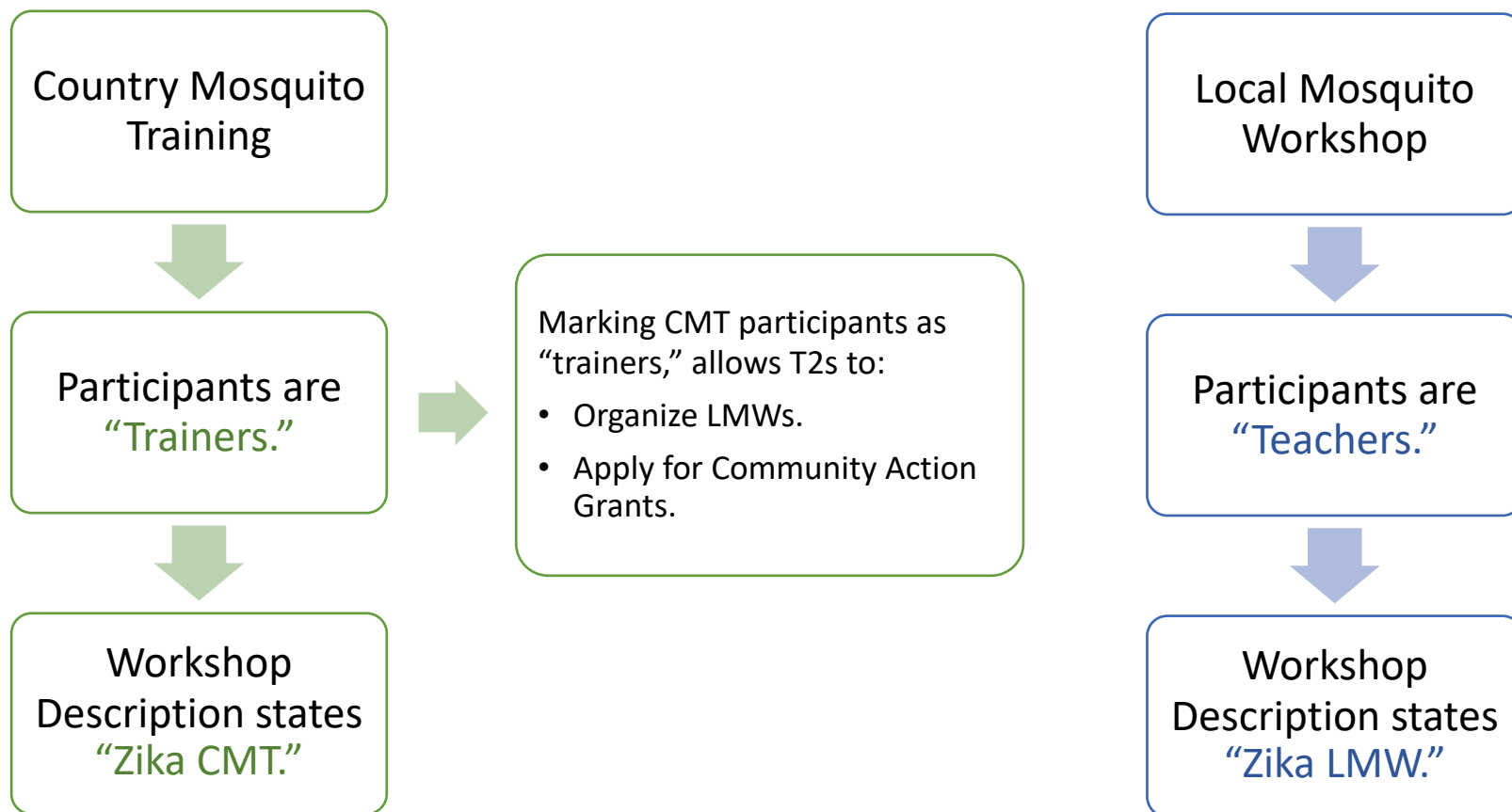
The GIO uses information from the GLOBE Workshop Tool for official workshop (CMT, LWM), trainer (T2), and workshop participant number reporting.

- Zika mosquito trainings not added to GLOBE Workshop Tool are not included in project reports.
- Participants not added to the GLOBE Workshop Tool are also not included in project reports.
- Inform your RCO if you need to enter Zika mosquito trainings or participants in the GLOBE Workshop Tool.





Entering Mosquito Training Information in the GLOBE Workshop Tool





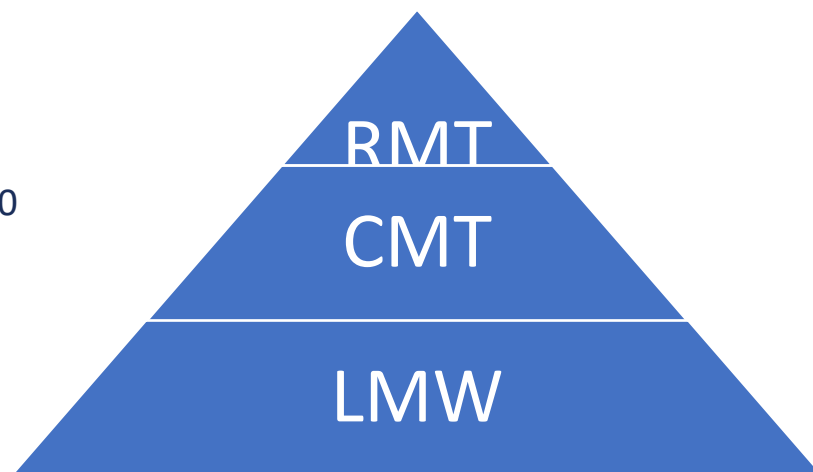
Project Phase: Local Mosquito Workshops

The **Local Mosquito Workshop (LMW)** phase furthers the work of the Zika Education and Prevention project by:

- ✓ Training local communities in the GLOBE Observer Mosquito Habitat Mapper (MHM) app.
- ✓ Supporting the project community in submitting 100,000 data points in the MHM app.
- ✓ Engaging hard-to-reach, and at-risk populations.

LMWs: Developing Your Local Network

- Partner with public health officials.
- Partner with new communities and organizations, such as Peace Corps, Rotary Club, networks, and conferences.
- Include protocols from the GLOBE Mosquito Protocol Bundle in your data collection.
- Promote and participate in the Mission Mosquito Campaign, and in other data or community-led campaigns.





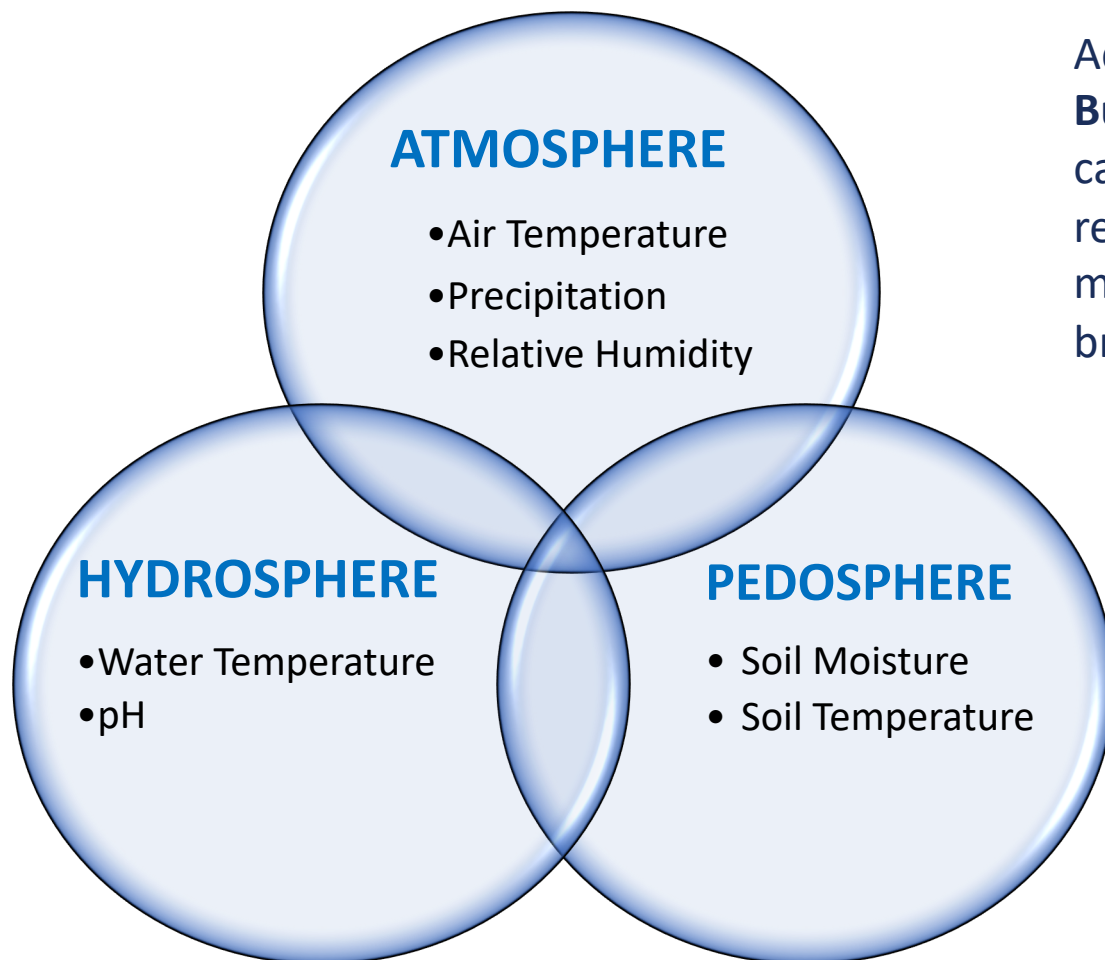
Supporting Local Mosquito Workshops

Data Collection, Research, & Education

- Mosquito Protocol Bundle
- GLOBE Mission Mosquito Campaign



Mosquito Protocol Bundle



Add **GLOBE Mosquito Protocol Bundle** to your measurement campaigns to support student research, and better understand mosquito behavior such as breeding patterns.

Find the Mosquito Protocol Bundle on the GLOBE Mosquito Project webpage under “Data.”

www.globe.gov/mosquitoes

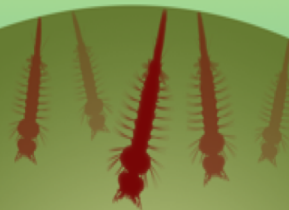
The GLOBE “Mission Mosquito” Campaign

Campaign connecting citizen scientists of all ages to monitor changes in the frequency, range, and distribution of potential disease vector mosquitoes.

- **Mission Mosquito Goal:**
 - Facilitate scientific research on mosquito vectors of disease, including research by students and scientists (citizen and professional).
- Campaign utilizes the **GLOBE Observer** Mosquito Habitat Mapper App.

To join visit the “Mission Mosquito Community” page and click “Join Community.”
www.globe.gov/web/mission-mosquito/





Mission Mosquito Opportunities

- Biweekly Webinars
- Monthly Newsletter
- Science Café
- Outreach Activities
- Resources

Welcome Message: Dorian Janney, Campaign Coordinator

It is hard to believe it is already the middle of February! They say time flies when you are having fun, and I guess we are all having a fabulous time because indeed the months seem to be soaring by. Although it is still snowing in parts of the world, in other locations people are swatting at mosquitoes and taking steps to prevent mosquito bites. As a part of the GLOBE family, we are all able to learn from each other and delight in the varied weather and climate we experience around the world.

This newsletter begins with our *Science Café*, where you will learn about scientific naming conventions and how to pronounce the names of some mosquitoes that can potentially transmit disease. In the *Educator's Corner*, master teacher Liz Burke provides suggestions for using student science notebooks in conjunction with Mission Mosquito activities. Our *Spotlight* this month shines on Senegal, where Diouf Birane and his students have been finding active mosquitoes and identifying mosquito larvae.

Science Café: Dr. Russanne Low

Why do we use scientific names in GLOBE Mission Mosquito?

If you have used the GLOBE Observer Mosquito Habitat Mapper, you know that the app allows you to identify your larva and apply its scientific name. You may have wondered why we use these names? For instance, *Aedes aegypti*'s common name is the "Yellow Fever Mosquito." Why don't we just use the common name when we talk about our work in this project?

A unique name, used across many different languages

There are many reasons why scientists use scientific names instead of common names. In the GLOBE Mission Mosquito Campaign, where people all over the world are identifying and reporting the same kind of mosquito, it gives us a shared name so we know we are all reporting the same organism. If we were using the local common name of the yellow fever mosquito, it would be much harder to communicate! Mission Mosquito has citizen scientists of many languages participating, so you would need to be familiar with many different names:

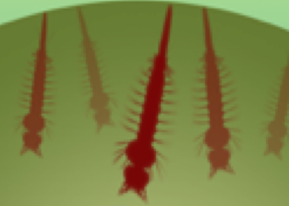
- English: yellow fever mosquito
- Portuguese: mosquito da febre amarela
- Spanish: mosquito fiebre amarilla
- French: moustique de la fièvre jaune
- German: Gelbfiebermücke
- Hindi: peela bukhaar achchhar
- Dutch: gele koortsmug
- Arabic: humas alshufra' albusud

Scientific names help us know the relationships between organisms

Another reason why a scientific name is useful is because it assists us in understanding the genetic relationships between organisms. Organisms are identified by their genus and species. Organisms that are in the same genus are related, but each species is unique. The GO Mosquito Habitat Mapper allows you to identify the larvae of both *Aedes albopictus* (Asian tiger mosquito) and *Aedes aegypti* (yellow fever mosquito). Because both mosquitoes are in the same genus, *Aedes*, you immediately know that these two species are

	Education Webinars
1/23	Classes report on research using GO MHM data
2/6	How to complete IVSS science projects
3/13	Get ready, get set, go: Active mosquito season
4/10	Identifying mosquito larvae
5/5	Prepare your community for mosquito season

	Citizen Science Webinar Tutorials
1/30	Introduction to Mission Mosquito
2/20	Join the Phenology Research Project/Build a mosquito trap
3/27	Citizen science in your community
4/29	GO Mosquito Habitat Mapper and Land Cover: tutorials
5/5	Mapping Tutorial using Story Maps



Mission Mosquito Contacts

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www.globe.gov/web/mission-mosquito/





Supporting Local Mosquito Workshops

- Proposals
- Community Action Grants



Supporting Local Mosquito Workshops Community Action Grants



Community Action Grant Proposal

Proposed Activity

Description of proposed activity	
How will this activity impact the community?	
At risk - What is the level of risk the community faces from Zika or other mosquito-borne disease?	
Hard to reach - To what extent is the community assisted by other national or international mosquito control efforts?	

Action Grant Proposal Form Rubric

	5	3	1
Proposed Activity	Activity description is clear, concise, and well-thought out and targets hard-to-reach, at-risk communities.	Activity is clearly written, but not well-thought out and does not target hard-to-reach or at-risk communities.	Activity is not clearly defined and requires more planning and improved community targeting .
Funding	The funding request is clear and logical, a defined and reasonable budget is provided.	The funding request is clear, but has gaps or discrepancies. The budget is reasonable.	The funding request is not clearly defined, and the budget is not reasonable.

Community Action Grants

- Trainings.
- Purchasing mosquito training supplies.
- Education, engagement, campaign activities.

Application Process

- Proposals submitted to or coordinated by Country Coordinators.
- Country Coordinators submit proposals to their Regional Coordination Office.

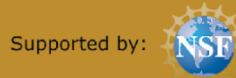
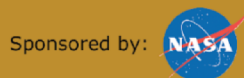
Community Action Grant Documents

- Action Grant Proposal
- Rubric
- LMW Letter of Commitment



Supporting Local Mosquito Workshops

Engagement and Communication Action Plans



Implemented by:  UCAR



The GLOBE Program

Sample Actions		Sample Steps for Action		Sample Timeline
Administration				
All CMTs and participants added to GLOBE Workshop Tool to ensure T2 Trainers can organize LMWs and apply for action grants.	–	Double check CMTs in the GLOBE Workshop Tool	–	Within a week of webinar.
Easily accessible T2 contact information (phone, email) to provide project updates and opportunities.	–	Develop a contact list of country specific T2 Trainers.	–	Within two weeks.
Knowledge of Action Grant application process.	–	Review project webpage.	–	Following webinar.
Knowledge of GLOBE Mission Mosquito Campaign and Mosquito Bundle Protocols to support mosquito data collection.	–	Review Mission Mosquito and Mosquito Bundle webpages.	–	Following webinar.
Communication				
Send follow up email to T2 Trainers encouraging additional data collection, and informing about LMWs and action grants.	–	Draft an informative email that includes links to project resources.	–	Within one month of webinar.
Add Zika project information on Country GLOBE webpage about LMW opportunities.	–	Contact Help@globe.gov for support.	–	Within two weeks of webinar.
Identify relationships with organizations that can share Zika project opportunities to community members and through newsletters.	–	Draft a list of organizations with known newsletters or social media pages such as Facebook.	–	Within two weeks of webinar.
Partnerships				
Connect with public health officials (PHOs) in the proximity of the LMWs.	–	Invite PHOs to LMWs.	–	Contact PHOs once LMW dates are set.
List local organizations and community partners.	–	Connect with colleagues for partnership ideas.	–	Within one week of webinar.
Identify upcoming community events to publicize the project, or host LMWs.	–	Develop an events calendar.	–	Within one week of webinar.



Sharing Communication and Engagement Strategies

- What method do you use to communicate with your T2 Trainers?
- Which partners or community organizations are you working with?
- What elements have you included in your Community Action Grant proposals?
- Other ideas you would like to share?



Questions and Answers



Project Support

GLOBE Zika Education and Prevention Project Webpage

Project forms and training manual

Help@GLOBE.gov

GLOBE Workshop Tool or MHM App support

Regional Coordination Office

Oversees region CMTs

Reviews Community Action Grant proposals

Country Coordination Office

Oversees country LMWs

Coordinates and Receives Community Action Grant proposals

www.globe.gov/mosquitoes



The GLOBE Program

GLOBE ZIKA EDUCATION AND PREVENTION

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