

Science Background


1. Introduction to GO MHM

2. Mosquito Vectors of Disease mosquitoov
3. Satellite Data and NASA Connections
4. Prior Knowledge Quiz
5. Using the app for the first time
6. Describing your mosquito habitat site using the GO MHM App

Lunch and Fieldwork

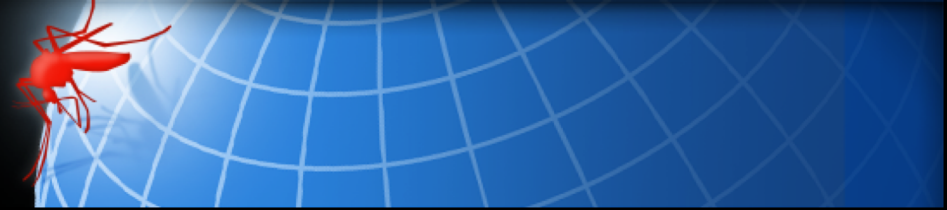
Hands-on session and Tour of GO MHM

7. Using the macrolens
8. Identifying specimens
9. Breakouts- Small Group Work
10. Education and Training Resources/ Bingo and digital games

The background of the slide features a stylized illustration of a mosquito in a pond. The mosquito is black and is shown in profile, facing right. It is standing on a lily pad. The pond is light blue, and there are other lily pads and reeds in the background. The sky is a gradient of blue and white, with a small blue circle representing the sun or moon.

Surveillance, Mitigation, Education: The GLOBE Observer Mosquito Habitat Mapper App

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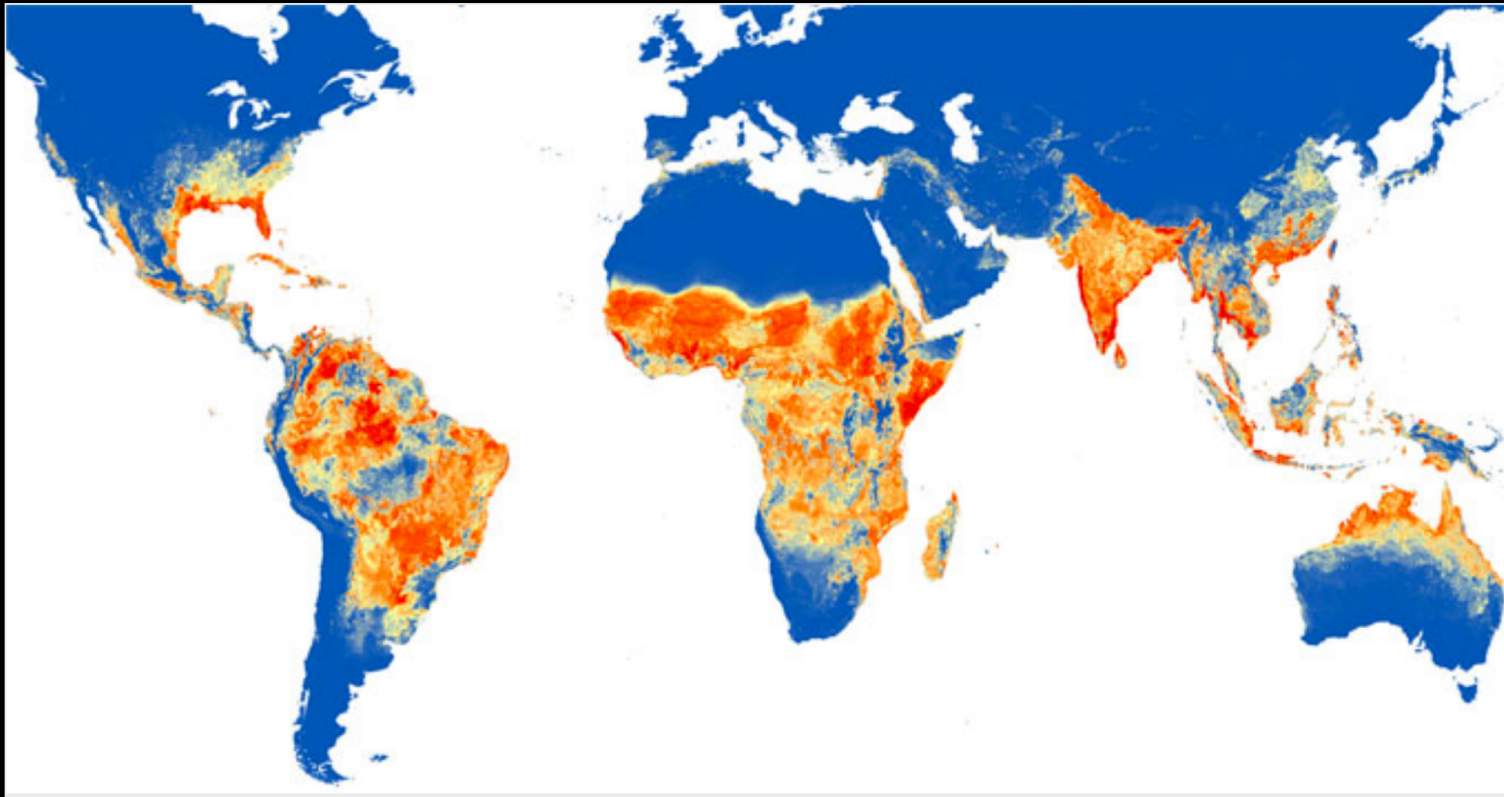


How well prepared are we? /

**changes in weather patterns and regional climate have
stimulated expansion of invasive vectors**



Anywhere where *Aedes aegypti* and *Aedes albopictus* can thrive, there is a risk of now or future vector borne disease.

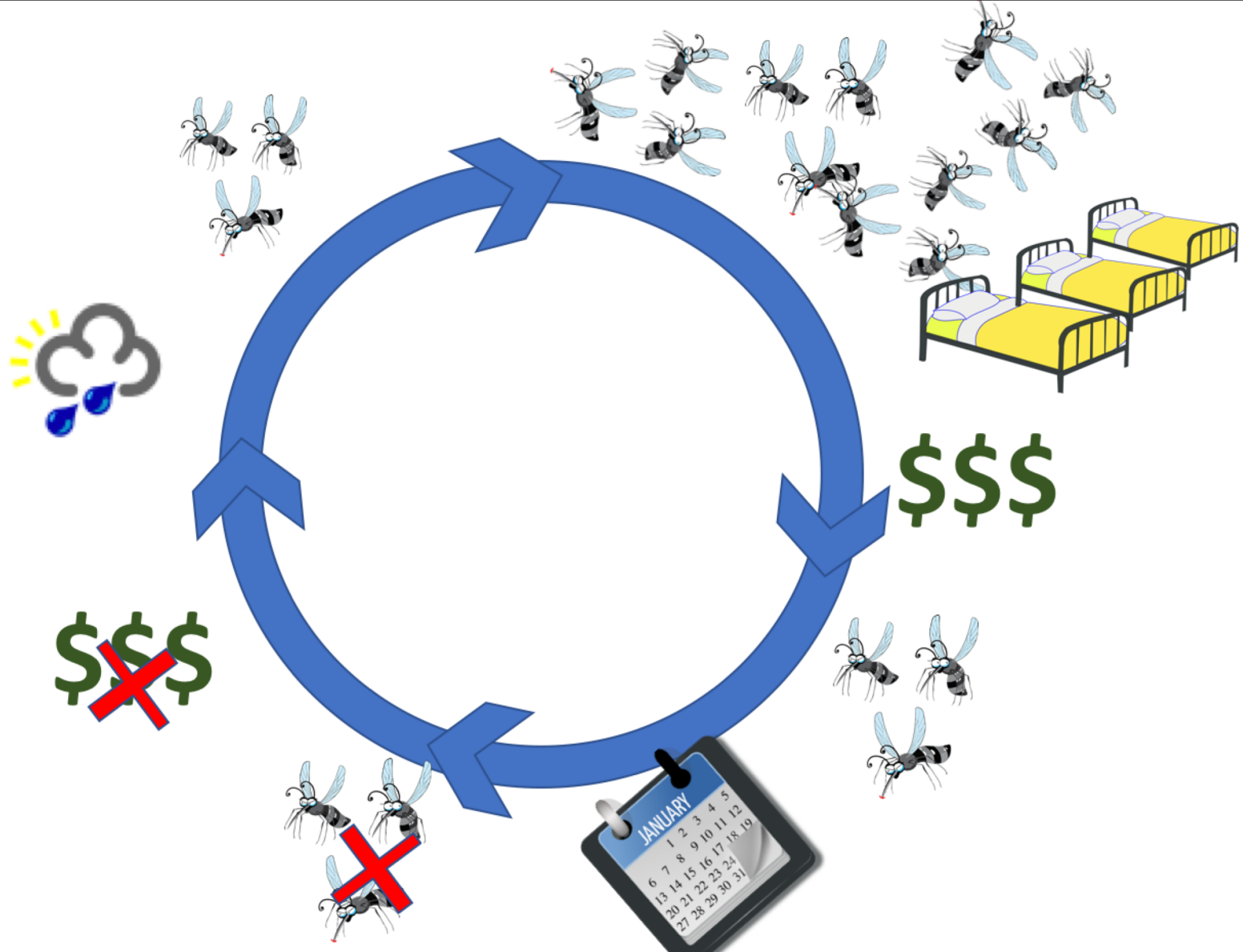
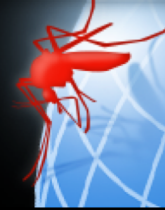




Zika

- Symptoms mimic other arboviruses
- Up to 80% of infected individuals are asymptomatic
- Can be transmitted through intimate contact
- In pregnant women, can cause serious birth defects in developing fetus



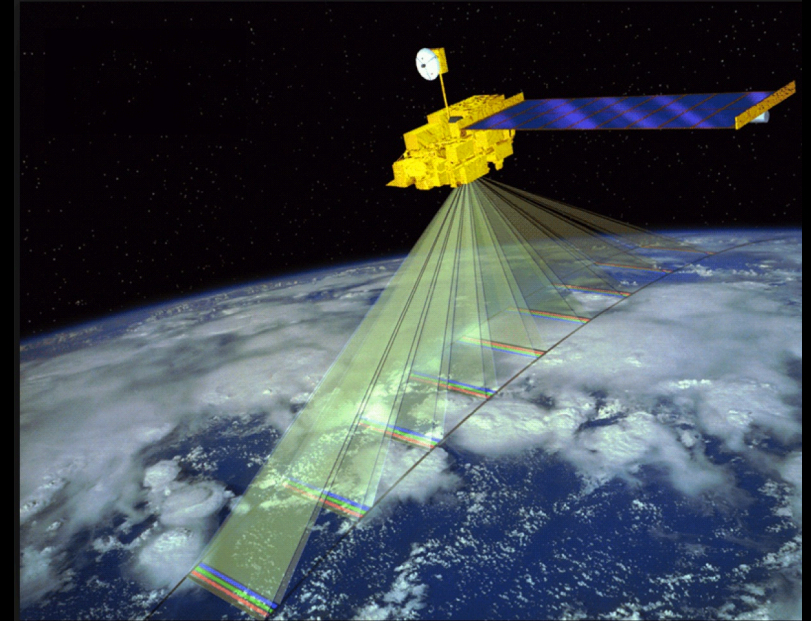






You can't quite see mosquitoes from here.....

Why is NASA sponsoring this work?
Through ground-based observations, GLOBE Observer citizen scientists will be able to augment broad scale satellite-based research with highly targeted ground-based observations at a high level of granularity.

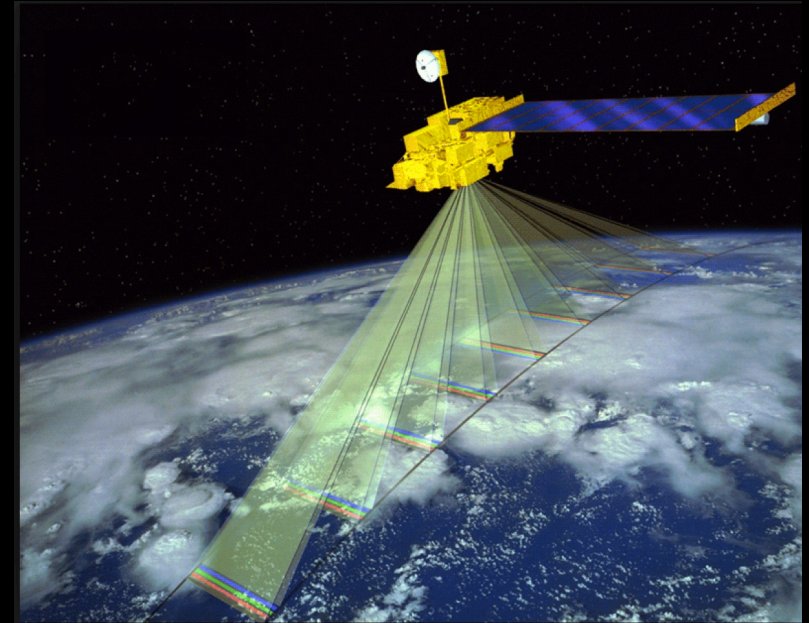


Terra (NASA)

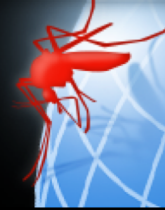


You can't quite see mosquitoes from here.....

Why high interest? Insufficient surveillance worldwide, heightened interest in using satellite data to predict outbreaks of vector borne disease.



Terra (NASA)



No vaccine? How can we reduce risk of disease?

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- Surveillance
- Mitigation
- Education











PROGRAMA EM OUTROS PAÍSES ▾

f /wmpbrasil

O PROJETO

NOTÍCIAS

IMPRENSA

O PROJETO NA MÍDIA

O PROGRAMA NO MUNDO

PUBLICAÇÕES CIENTÍFICAS

PERGUNTAS FREQUENTES

EQUIPE

CONTATO

IMPRENSA

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Pesquisadora da NASA visita instalações do WMP no Brasil

21/03/2018

Pesquisadora da NASA visita instalações do WMP no Brasil

Flávio Carvalho

O WMP no Brasil recebeu a visita de representantes do projeto GO Mc



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D-brief | The Crux | Body Horrors | Citizen Science Salon | Dead Things Out There | Science Sushi | Seriously, Science? | Field Notes | Science & Fiction



Citizen Science Salon

« Citizen Science Recruitment, Retention, Research & Evaluation Workshop at Citizen Science Association Conference »
Book Review: Citizen Science, How Ordinary People are Changing the Face of Discovery »

Global Mosquito Alert: UN Backed Citizen Science Platform to Fight Mosquito-Borne Diseases

By Guest | May 16, 2017 10:24 am



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With the summer approaching, so are the mosquitoes. Now a UN-backed global platform will align citizen scientists from around the world to track and control these disease-carrying species.

By Yujia He

Mosquitoes are an annoying and unavoidable part of the warmer season. Their constant buzzing follows you whenever you step outside of [your house](#), and the females feast on your blood to produce their offspring.

ts of the world, mosquitoes bring not just annoyance but also





thank you!

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Acknowledgements

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1. Introduction

Master Trainer Session



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