

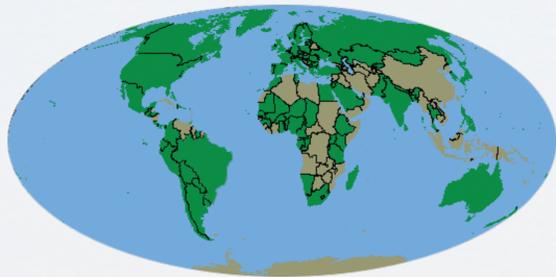


# The GLOBE Program



**G**LOBE is an international science and education program that brings together students, teachers, and scientists to improve student achievement in science, increase environmental awareness, and contribute to understanding Earth System

## GLOBE AROUND THE WORLD



Over one million GLOBE students, in thousands of schools located in more than 100 countries, have reported over 17 million environmental data.

## ESSENTIAL ELEMENTS

- Provides a bridge between the Earth System Science and Education communities
- Involves students in authentic local, regional, and global scientific research
- Builds the capacity of future scientists, mathematicians, and technologists
- Enables schools to be part of a world-wide community
- Provides materials in the 6 U.N. languages

## GLOBE PARTNER COUNTRIES & ORGANIZATIONS

- Recruit GLOBE schools
- Train GLOBE teachers
- Mentor GLOBE students
- Support environmental projects of local and regional interest

## WHY GLOBE?

- Provides well tested standardized protocols for collecting data in atmosphere, hydrology, soils, land cover and phenology:
- Many protocols and learning activities are relatively inexpensive and require little equipment
- Many protocols are excellent for malaria research, e.g., air, water and soil temperatures; precipitation; pH of rain, soil and water; reative humidity; and water quality measurements
- Many GLOBE measurements are used as ground-based observations for satellite missions such as Aura, CALIPSO, CloudSat, and LandSat

- Creates a forum for scientists to interact with and mentor students and teachers



- Allows connections with broad network of ministries, U.S. government institutions, NGO's and universities

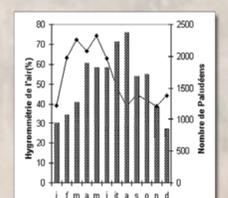
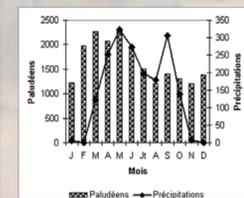
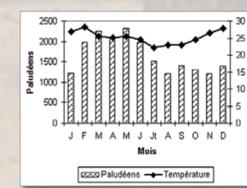
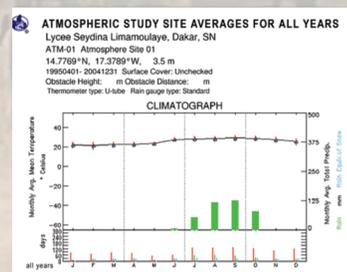
## GLOBE SUPPORTS MALARIA RESEARCH, OUTREACH AND EDUCATION

by providing a network of schools and institutions that can provide environmental data while promoting community-based education and outreach for malaria topics.

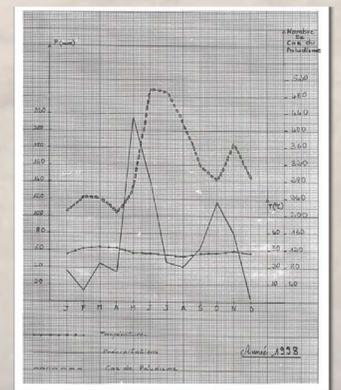
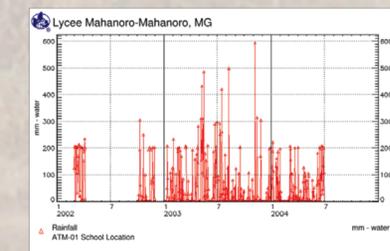
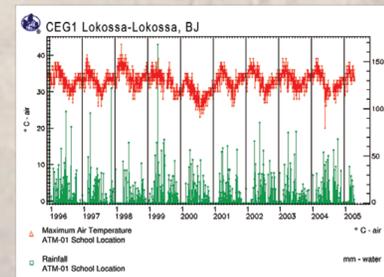
## EXAMPLES OF MALARIA-RELATED ACTIVITIES INVOLVING GLOBE SCHOOLS

- Student research exploring relationships between environmental factors and the occurrence of malaria
- Madagascar scientists developing mosquito larvae collection and identification protocols for GLOBE schools
- Thailand scientist developing similar identification protocols for student-based dengue studies

VARIATIONS SAISONNIERES ET MORBIDITE PALUSTRE A BAFOUSSAM, VILLE DES HAUTES TERRES DE L'OUEST -CAMEROUN



LYCÉE TECHNIQUE DE BAFOUS-



CEG1 LOKOSSA, LOKOSSA, BENIN

[www.globe.gov](http://www.globe.gov)

The GLOBE Program  
 University Corporation for Atmospheric Research  
 P. O. Box 3000  
 Boulder, CO 80307 USA  
[www.globe.gov](http://www.globe.gov)

