

# 2024 GLOBE Annual Meeting Student Experience

## **Research Teams and Project Details**

Thirty-nine students from 10 countries attended the 2024 GLOBE Annual Meeting student experience. Students were invited based on their participation in one of three student-related GLOBE research events and activities: GLOBE International Virtual Science Symposium (IVSS), GLOBE U.S. Student Research Symposia, or the GLOBE Student Vlogger Program. Invited teams and research projects for the 2024 student experience are listed below.

# International Virtual Science Symposium Stipend Recipients and Invited Students

### **Africa Region**

PROJECT TITLE: *Impact of Industrial Emissions on Climate* SCHOOL: Shree Swaminarayan Academy, Mombasa, **Kenya** 

STUDENTS: Hafsa Jamal Yasir, Rahini Dhirendra Halai, Ashley Nzingo Onyango, and

Ketura Wanjiru Kuria

GRADE LEVEL: Middle School (grades 6-8, ages 11-14)

## **Asia and Pacific Region**

PROJECT TITLE: A Comprehensive Investigation on Carbon Storage in the Vegetation of Our Schoolyard and Determining the Carbon Footprint of the School Through the Measurement of Carbon Using GLOBE's Carbon Cycle Protocols

SCHOOL: Pelrithang Higher Secondary School, Gelephu, **Bhutan** 

STUDENTS: Sangay Choden, Yeshi Wangchuk, Kalpana Mongar, Usha Pyakurel, and

Shankar Ghimrey

GRADE LEVEL: Middle School (grades 6-8, ages 11-14)

PROJECT TITLE: Developing Equipment to Help Anchor Seagrass Seedlings to Increase Seagrass Survival Rates

SCHOOL: Princess Chulabhorn Science High School Trang, Thailand

STUDENT: Tanaporn Numuean

PROJECT TITLE: A Study of Microplastics Contamination in Soil, Seawater, and Seagrass at Sikao District, Trang Province

SCHOOL: Princess Chulabhorn Science High School Trang, Thailand

STUDENT: Kantaros Asbilly

GRADE LEVEL: Secondary School (grades 9–12, ages 14–18)

PROJECT TITLE: Analysis of Black Particulate Matter Composition in the Air of Keelung and Discussion of Its Sources

SCHOOL: Keelung Municipal Anle Senior High School, **Taiwan** STUDENTS: Ting-yu Pan, Yu-ning Cheng, and Shih-en Lai GRADE LEVEL: Secondary School (grades 9–12, ages 14–18)

### **Europe and Eurasia Region**

PROJECT TITLE: Monitoring and Protection Marmont Alley

SCHOOL: OS Dubovac, Karlovac, Croatia

STUDENTS: Josip Ferenčina and Marta Kupres

GRADE LEVEL: Middle School (grades 6-8, ages 11-14)

#### **Latin America and Caribbean Region**

PROJECT TITLE: Reducing Our Carbon Footprint: Rochester School's Strategies to Reduce Emissions

SCHOOL: Rochester School, Chia, Colombia

STUDENTS: Diego Sierra, Laura Pardo, Angelina Chiodo, Mariana Roa, Luciana Lozano,

Paula Romero

GRADE LEVEL: Secondary School (grades 9–12, ages 14–18)

## **Near East and North Africa Region**

PROJECT TITLE: The Effect of Soil Type on the Growth of Rose Flowers

SCHOOL: Alshaffa bint Abdullah, Suhar, Oman

STUDENTS: Malk Yaser Humaid Al Ghfafri and Mahrah Salim Mohammed Al Mazruii

#### **North America Region**

PROJECT TITLE: A Random Forest Analysis of Remote Sensing Driven Mosquito Habitat

Prediction in West Africa

**EDUCATOR: Cassie Soeffing** 

ORGANIZATION: Institute for Global Environmental Strategies (IGES) GLOBE v-School

(NASA SEES Summer Program), USA

STUDENTS: Ruchi Bondre, Ryan Chan, Andrew Liu

GRADE LEVEL: Secondary School (grades 9–12, ages 14–18)

PROJECT TITLE: Water Temperature and pH Measurements on Gulkana Glacier and Phelan Creek, Alaska

ORGANIZATION: Department of Natural Resources and Environment, Fairbanks, AK, USA

STUDENT: Teslin Brannan

GRADE LEVEL: Secondary School (grades 9–12, ages 14–18)

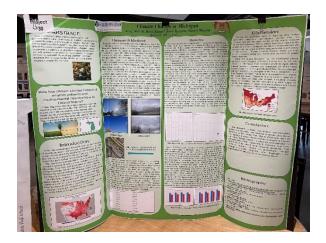
## Student Research Symposia Invited Teams - 5 teams from the USA

#### Midwest SRS

(not able to attend the Annual Meeting)

PROJECT TITLE: Climate Change in Michigan

SCHOOL: Melvindale High School, MI STUDENTS: Hosn Al Amri, Areej Alsoufi, Amal Barman, and Shoora Muqbal GRADE LEVEL: Secondary School (grades 9–12, ages 14–18)



#### **Northeast & Mid-Atlantic SRS**

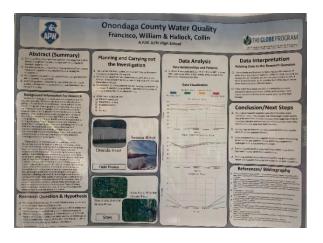
PROJECT TITLE: Onondaga County River Quality and Oswego County River Quality School: Altmar-Parish-Williamstown Jr/Sr

High School, NY

STUDENTS: William Francisco, Collin

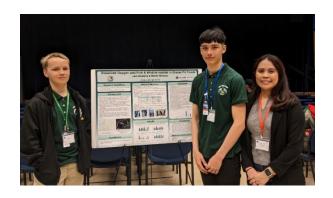
Hallock, Zym Goodberry, Nico Wejko, and

**Devin Eberly** 



#### **Pacific & Northwest SRS**

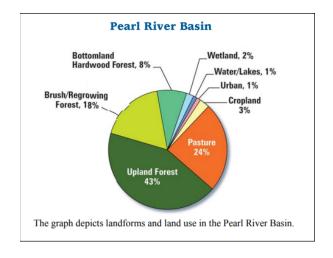
PROJECT TITLE: Dissolved Oxygen and Fish and Wildlife Habitat in Gravel Pit Ponds SCHOOL: Aniak Junior Senior High School STUDENTS: Ralph Steeves and Gavin Smith GRADE LEVEL: Secondary School (grades 9–12, ages 14–18)



#### **Southeast SRS**

PROJECT TITLE: *Pearl River Pollution*SCHOOL: Bayou View Middle School, MS
STUDENTS: Kylie Triplett, Lauren Hanshaw,
and Jaden Sanford
GRADE LEVEL: Middle School (grades 6–8,

ages 11-14)

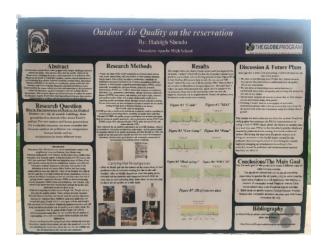


#### **Southwest SRS**

PROJECT TITLE: Outdoor Air Quality on the Reservation

SCHOOL: Mescalero Apache School, NM STUDENTS: Haleigh Shendo, Caydence

Palmer, and Miley Cojo



## **GLOBE Student Vloggers**

## **Asia and Pacific Region**

STUDENT: Andrei Alayon (example Vlogger video)

**GRADE LEVEL: 12** 

COUNTRY: Philippines

## **Europe and Eurasia Region**

STUDENT: Hannah Vella (example Vlogger video)

GRADE LEVEL: 12 COUNTRY: Malta