***KENYA***

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Organization and Number of Staff:

* Country Coordinator
* Assistant Country Coordinator
* 4 KSA Staff members

Funding by:

* GLOBE Program activities are currently being funded by the Kenya Space Agency (KSA) in collaboration with the University Corporation for Atmospheric Research (UCAR) in the implementation of the 3D-Printed Automatic Weather Station (3D-PAWS) initiative in Kenya to enable students to understand the value of STEM-related disciplines and their related applications.

Cooperating Organizations/Individuals:

* + Ministry of Education
  + Professor Rebecca Boger
  + Wildlife Conservancies
  + University Cooperation for Atmospheric Research (UCAR)

GLOBE Schools:

* Kenya has 103 registered GLOBE schools and Informal Education Organizations, with a total of 3,242 students, 206 educators, and 18 pre-service teachers actively participating in the GLOBE program. Together, they have contributed to 234,519 observations in total.

GLOBE Protocol Areas:

* The most widely explored GLOBE protocols are primarily those related to the Atmosphere, largely due to an initiative where Automatic Weather Stations are fabricated and installed in participating GLOBE schools.
* The introduction of the GLOBE Observer app has further expanded data collection, particularly in areas such as Clouds, Land Cover, Tree Height, and the Mosquito Habitat Mapper.
* Additionally, several schools are actively collecting data related to the Biosphere, Hydrosphere, and Pedosphere.

Number of Schools Reporting Data Over Past Year:

* In the past year, over 30 schools in Kenya have actively contributed environmental data through the GLOBE program, reporting observations across various protocols.

Program Implementation, International Cooperation in GLOBE Network, and Activities over the Past Year (categorized by GLOBE Strategic Plan 2018-2023 Goals):

* Education
  + Training sessions were conducted for State House Primary School, Shree Swaminarayan Junior & Senior Academy, Shimo la Tewa Comprehensive School, and Tumaini Timbwani Junior & Senior School, focusing on the Atmosphere Protocols: Temperature, Humidity, Surface Temperature, and Clouds. The training equipped participants with essential skills in data collection, submission, analysis, and the use of the GLOBE Observer app. Additionally, teachers were trained in comparing data with global research and visualizing data effectively. This comprehensive training empowered the educators to lead a research project exploring the effects of land use/land cover on surface and air temperatures.
  + We continue to encourage new teachers to engage in e-training while they await opportunities for hands-on training sessions.
* Science
* We have continued to actively engage Scientists/Engineers in Kenya to consider mentoring and supporting GLOBE teachers.
* Community
  + Actively engaging with practitioners in the Environmental sector to support GLOBE-related activities. We have received support from the US Department of State and the US Embassy in Kenya. Through their support, we engaged Fulbright Scholar Prof Rebecca Boger, who supported the implementation of GLOBE in Kenya.
* Technology
  + We provide ongoing support to teachers facing technological challenges, such as navigating the GLOBE website, accessing teaching resources, and entering data, whether using the website or mobile devices.
  + Additionally, we share guide notes and information about relevant webinars with our GLOBE community whenever such opportunities arise.
* Communications
  + We engage our partners on a regular basis for the purposes of planning events, reporting on progress, and submitting reports.
  + We inform the teachers of any upcoming event or opportunity available for them and their schools.
  + We are leveraging on using social media and, more significantly, WhatsApp groups for communicating GLOBE events and offering support

Plans and Ideas for 2025:

* + Collaborate with a diverse range of schools to expand environmental data collection and analysis, strengthening the implementation and impact of GLOBE protocols.
  + Organize a targeted workshop to equip students and teachers with the knowledge and skills needed for successful proposal submission and participation in the GLOBE International Virtual Science Symposium (IVSS).
  + With support from UCAR, we plan to install additional 3D-printed Automatic Weather Stations in underrepresented regions while maintaining and optimizing the performance of existing stations.
  + Conduct comprehensive GLOBE training sessions for teachers and students, integrating GLOBE activities into schools and institutions participating in KSA’s STEM ecosystem programs across the country.