

Country

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Organization and Number of Staff:

- Country Coordinator is no longer with KSA which implements GLOBE
- Assistant Country Coordinator and TWO KSA Staff members

Funding by:

- GLOBE Program activities are currently being funded by the Kenya Space Agency

Cooperating Organizations/Individuals:

- Ministry of Education
- Regional Centre for Mapping of Resources for Development (RCMRD)

GLOBE Schools:

- We currently have 118 registered GLOBE schools and 190 teachers involved in the GLOBE program in Kenya with a total of 152,770 total observations by January 2023. This is not inclusive of data submitted using the GLOBE Observer app.

GLOBE Protocol Areas:

- The protocols that explored widely in Kenya are majorly Atmosphere protocols because of the program due to an initiative whereby we fabricate and install Automatic Weather Stations in GLOBE schools.
- The introduction of the GLOBE Observer app has also seen an increase to the data on Clouds, Land Cover and Tree Height; and of course the Mosquito Habitat Mapper.
- We also have a few schools collecting Biosphere, Hydrosphere data and Pedosphere data.

Number of Schools Reporting Data over Past Year:

- Kenya have had 30 schools have reporting data in the recent past and 3 schools that reported data in the previous 3 month preceding January 2023. This is not inclusive of data from the GLOBE Observer app.
- We also have data available from over 30 Automatic Weather Stations which are yet to start submitting data directly on to the GLOBE database.

REPORT FOR 2022

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

- Education
 - Conducted training for University students with support from Prof Rebecca Boger, Fulbright Scholar and GLOBE Trainer. The students are being trained to be teachers at the University of Embu. The training focused on Atmosphere GLOBE Protocols, Hydrosphere GLOBE Protocols and GLOBE Observer App. The students have established a GLOBE Club at the University.
 - We continue to encourage new teachers to undertake e-Training as they await an opportunity for a hands-on training.
 - Participated in 1day STEM Ecosystem programs where we introduced GLOBE activities (clinometer – height measurement) to 30 students from across Nairobi country.

- Science
 - We have continued to actively engage Scientists/Engineers in Kenya to consider mentoring and supporting GLOBE teachers.
 - KSA supported the Space Challenge Year 4 (undertaken with RCMRD collaboration) in April 2022 where teachers were trained and subsequently the students presented on their research projects

- Community
 - Actively engaging with practitioners in the Environmental sector to support GLOBE related activities. We have received support from US Department of State and US Embassy in Kenya. Through their support we now have a Fulbright Scholar, Prof Rebecca Boger, who is supporting the implementation of GLOBE in Kenya.

- Technology
 - We offer support to the teachers who have technology challenges such as navigating the GLOBE website, accessing to teaching resources and data as well as those who have issues during data entry either using the website or mobile devices
 - We share guide note and webinar information to our GLOBE community when such opportunities are available

- Communications
 - We engage our partners on a regular basis for purposes of planning events, reporting on progress and submission of reports.
 - We inform the teachers on any upcoming event or opportunity available for them and their schools.
 - We are leveraging on using social media and more especially WhatsApp group for communicating GLOBE events and offering support

Plans and Ideas for Next Year (2023):

- We have developed a draft implementation strategy for GLOBE in the coming year. The focus will initially be on FOUR Secondary schools and the GLOBE Club at University of Embu to undertake Hydrosphere measurements targeting submission of IVSS projects
- We are planning to conduct GLOBE training for students in one of the selected schools, Greensteds International School, on 13th January, 2023.
- Plans to install additional 3D-Printed Automatic Weather Stations in GLOBE schools with support from UCAR/COMET as well as maintain the existing stations.
- We are planning to roll out GLOBE activities in 1-2day STEM Ecosystem programs being undertaken across the country.