

Guatemala



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Organization and Staff Number: Ministry of Education

Funding by: During 2024, support was received for virtual workshops from the LAC Region, the U.S. Embassy, and GLOBE Costa Rica.

Cooperating Organizations/Individuals: GLOBE LAC Regional Office, U.S. Embassy, and GLOBE Costa Rica.

GLOBE Schools: 109

GLOBE Protocol Areas: Atmosphere, Biosphere, Mosquito

Number of schools that reported data during the past year: 39

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

Education

- ✓ **2023:** During the year, communication was sent to 17 Departmental Education Offices to relay the following information to teachers:
 - "Trees for LAC" Campaign
 - Monthly GLOBE News Summary
 - GLOBE Webinar
 - Identification of 231 teachers
- ✓ **2024:** Identification and updating of the teacher database in 17 departments of the country. 122 teachers were reported by departmental contacts. Teachers were continuously invited to participate in:



- Virtual Science Fair
 - GLOBE Poetry
 - GLOBE Teacher Training Workshops organized by the GLOBE Program as part of the Trees Campaign within the LAC Region
 - Mosquito Protocol Workshop organized by GLOBE Costa Rica
 - Capacity-Building Webinar organized by GLOBE LAC
 - Monthly GLOBE News Summary was sent, inviting teachers to read and engage in educational processes
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- Science
 - ✓ 2023 and 2024: Science fairs were held in Guatemala organized by the University of San Carlos of Guatemala and also by individual scientists.

 - Community
 - ✓ 2023: A work plan was developed for the GLOBE Program.

 - ✓ 2024: Continued communication and support were received from GLOBE Costa Rica for participating in their teacher training processes.

 - Technology
 - ✓ 2023-2024: Support materials for teachers were coordinated within the framework of the Mosquito Protocol, with the assistance of the U.S. Embassy. This included cell phone microscopes, Petri dishes, and instructional guides and videos.

 - Communications
 - ✓ 2023-2024: Monthly communications were sent to the email addresses of departmental education contacts, who then forwarded them to teachers. This included the GLOBE News Summary (from January to August 2023) provided by the Regional Office, as well as invitations to webinars on the Trees Campaign for LAC and virtual training processes.



Plans and Ideas for the Coming Year

- **Continue engagement with the Escuela Nacional Central de Agricultura (ENCA):** Explore their interest in continuing with the program as outlined in the agreement.
- **Strengthen identification and listing of local actors:** Identify individuals and organizations in various regions of the country interested in Science and the Environment to create strategic partnerships. Explore possibilities for support in areas such as teacher assistance, funding, and fieldwork.
- **Consult with the Ministry of Education about updating the agreement:** Inquire about the possibility of updating the agreement for program implementation, as the current one dates back to 1997.
- **Identify strengths, weaknesses, threats, and opportunities:** Collaboratively assess these aspects of the program with participants.
- **Seek interinstitutional collaborations:** Coordinate joint actions with institutions related to science and the environment at the national level.
- **Enhance regional collaboration:** Propose and coordinate joint actions with neighboring countries to strengthen program implementation.
- **Develop educational strategies for teachers:** Create strategies to empower teachers in using the GLOBE platform, facilitating connections with other teachers, students, and scientists, and implementing educational science processes in their communities.
- **Build tools to gauge local educational community interest:** Develop instruments to consolidate the program through the Departmental Education Offices.
- **Promote successful experiences of teachers:** Highlight the achievements of teachers who effectively implement GLOBE activities and positively impact their educational communities.
- **Address areas of opportunity:** Make efforts to identify difficulties, challenges, expectations, and proposals related to the implementation of the GLOBE Program in local educational communities.