



# EVALUATION WORKING GROUP

Interviews with Teachers at  
the GLE

July 15, 2019



## The survey

- **Was prepared during the GLOBE Annual Meeting last year in Ireland**
- **Consisted of 3 questions**
- **Was shared with teachers who attended the meeting and GLE and continued to send their responses when they returned home by e-mail**
- **The purpose was:**
  - to get feedback from the GLOBE teachers on the impact of the program in their classrooms**
  - to get responses from the six regions**



**We had 24 responses.**

**Regarding skills students develop when they benefit from doing GLOBE, they mentioned:**

- meeting new people across the world and collaborating with them (6)
- improve their communication skills (5)
- develop critical thinking (4)
- use of scientific instruments (3)
- acquire skills in protocols (3)
- improve technology skills by using apps (2)
- improve/learn English (2)
- thinking on scientific research and different strategies (2)
- working in teams (2)
- students become better observers (2)
- improving persistence and accuracy in students through data collection (1)
- challenging students to solve the problem to the scarcity of scientific equipment and propose affordable alternatives (1)
- opportunity for students to learn from scientists (1)



## Attitudes students gain through GLOBE:

- become more aware of connections and interactions in the environment, the planet and nature (6)
- learn to work like real scientists (3)
- promotes life-long learning attitudes for students (1)
- make choices about science careers (1)
- students will be more self ensured (1)
- get the chance to be closer to nature and out of the classroom (1)
- trip abroad if they have the chance (1)

## They also improve their knowledge through:

- investigating their own communities and sharing results with them and their families (6)
- learning science (3)
- hands-on activities (2)
- GLOBE as complementary of the national curricula (2)
- learning activities for the Ecology classes (1)
- gaining in-depth knowledge in earth science (1)
- students understand what they learn in school while doing GLOBE (1)
- solidify their learning on a more permanent learning (1)
- protocols are relevant (1)



## 2. Recognizing that there are many other environmental education programs, why do you include GLOBE in your activities? (24 responses)

- provides access to a quality of instruments, materials, educational and teaching resources (6)
- enables interaction with other schools and collaborative work (4)
- protocols are relevant and very detailed (4)
- provides opportunity for personal and professional development for students and teachers (3)
- it is a high quality professional and scientific network (3)
- the data is relevant to use in projects and for communities (3)
- it is a hands-on program (3)
- the program has been improving since it started (3)
- it is a complete, worldwide program, the most comprehensive program he took part of (3)
- GLOBE is connected to STEM curricula (2)
- connects school with science and real life (2)



- enables to engage students interested in science (2)
- provides skills in environment (2) and communication (1)
- can be used in almost any subject easily (1)
- provides new tools on land cover and satellites (1)
- the program has a history in the college (1)
- attractive and newfangled program for students (1)
- students make more friends (1)
- support infrastructure: website, mobile app, etc. (1)



## 3. Help us to identify the key questions that you would like to answer about the impact of the GLOBE Program (29 responses)

- **Questions about the development and sustainability of GLOBE / Impact (14)**
- **Questions about Students' investigations / Motivation (7)**
- **Questions about Science projects and/or promotion of sciences (3)**
- **Questions about Interaction and collaboration (2)**
- **Questions about Technology and data systems (2 )**
- **Question on communication pathways (1)**



## Interesting questions highlights

1. How many school organizations consider the impact of the students participating in GLOBE as highly positive, awakening or accompanying their scientific researches?
2. How to combine the GLOBE program with local curricula?
3. Which are the strategies teachers who have worked with GLOBE for many years propose?
4. Which are the protocols that best adapt to each subject?
5. How can GLOBE partner work closely with already existing science curriculum like AP, NGSS, etc.?
6. How can GLOBE further improve its outreach to disadvantaged or at risk populations?
7. Does GLOBE influence career choices?
8. How do GLOBE activities impact student's attitudes/skills and the ways teachers teach?
9. Are there specific programs by regions that include the student's topics of interest to support their investigations?
10. How is equipment available to address specifically the students' with research needs?
11. How do scientists involve students to support their research?
12. How well do students share their experiences with other students?
13. How can we incorporate more technology into the GLOBE program to take advantage of new air quality sensors and the like?





## Who we are



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## More Information About The GLOBE Program

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

