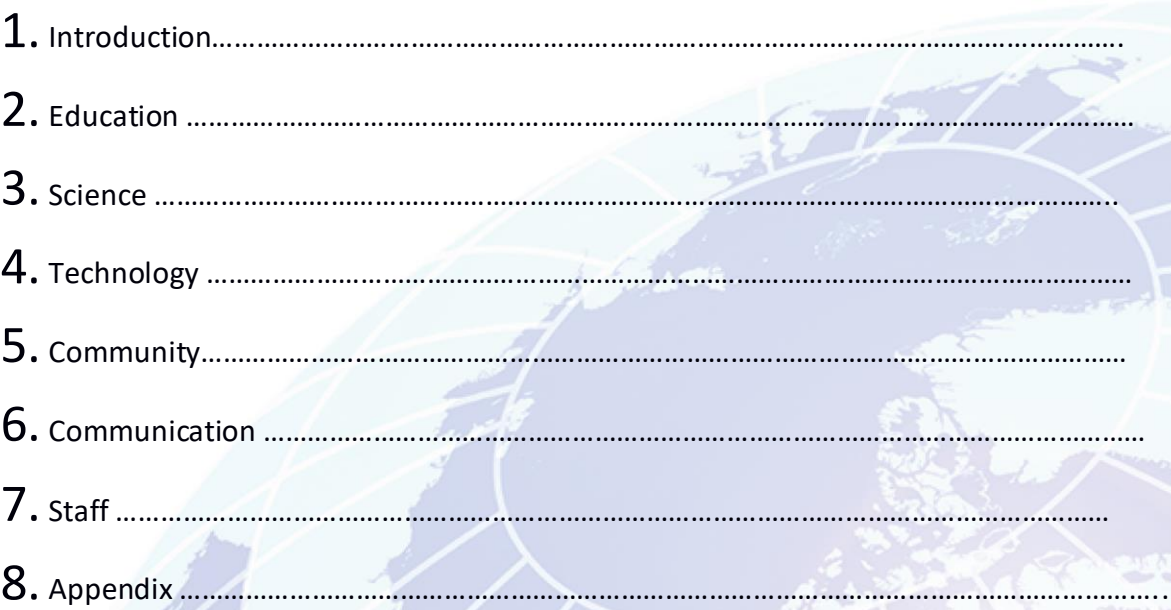


# **SURINAME ANNUAL REPORT**



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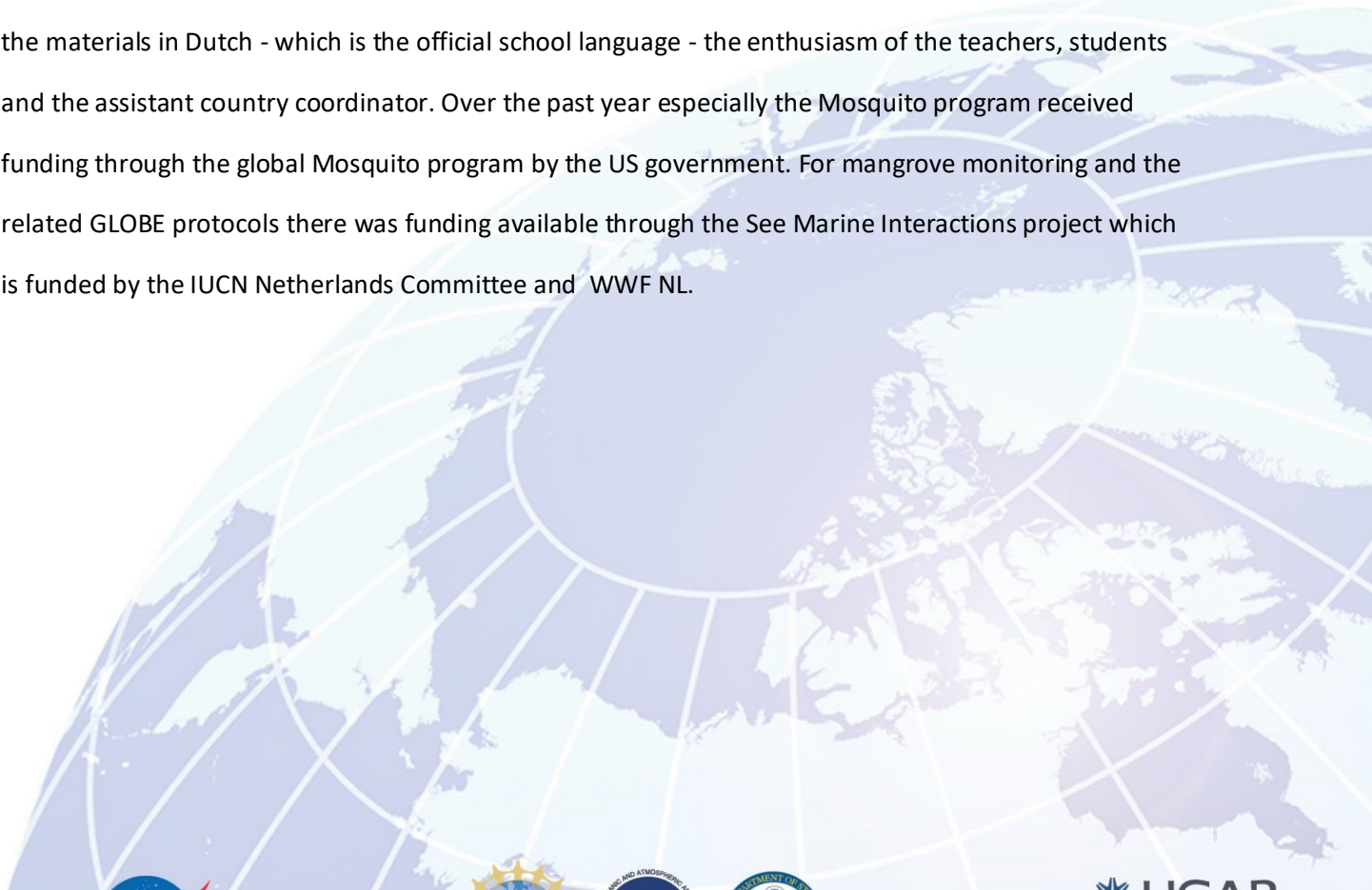
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# THE GLOBE PROGRAM

## INTRODUCTION

Suriname joined the GLOBE program in 1997 and after a good start became somewhat dormant in the early 2000s. In 2008 Green Heritage Fund Suriname was asked to support the implementation of the GLOBE Program in Suriname and since 2010, Monique Pool, Director of Green Heritage Fund Suriname, has held the Country Coordination for the GLOBE Program in Suriname. This position was accepted out of the conviction that GLOBE has the potential to teach children the scientific method from an early age and make them into citizens that are able to think for themselves and investigate and explore the world around them. It takes them out of the school banks into the world around them and connects them to the natural world.

In the past years, although progress has been slow, the GLOBE Suriname Program is starting to get a foothold in education and participation is increasing. This is without a doubt a result of the translation of the materials in Dutch - which is the official school language - the enthusiasm of the teachers, students and the assistant country coordinator. Over the past year especially the Mosquito program received funding through the global Mosquito program by the US government. For mangrove monitoring and the related GLOBE protocols there was funding available through the Sea Marine Interactions project which is funded by the IUCN Netherlands Committee and WWF NL.





# THE GLOBE PROGRAM

## EDUCATION

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The GLOBE project was implemented during school year 2018-2019 in 1 school in 1 District. The drop in activities is due to the fact that the Assistant Country Coordinator has taken up a job as school teacher in the District of Nickerie and no longer is performing activities for us by travelling to schools. This means that we are currently not implementing any of our own GLOBE activities with schools. To make GLOBE Suriname more sustainable we have in particular tried to work with the Ministry of Education, Science and Culture and the department that is updating the curriculum of the schools. Within that context a project was also developed together with GLOBE Netherlands and the University of Wageningen to make the program in Suriname more sustainable, however, the project was not approved.

### **Advanced Teacher Training Institute (IOL)**

A good collaboration is still maintained with the Advanced Teacher Training Institute.

### **Natuur-Technisch Instituut (NATIN)**

This year we had again interns from the NATIN of whom 3 did their final thesis with us and 4 a six week internship with our organization during which they had to focus on hydrology. The students learned the hydrology protocols through the e-learning modules and then were brought into the field to pursue practical measurements in the field. Two students who did their final work, used the mosquito protocol bundle to do measurements and a small study in a specific neighbourhood where they suspected that many people had artificial water containers.

# THE GLOBE PROGRAM

## List of Schools

As a result of the use of the GLOBE observer app for both cloud observations and the mosquito habitat mapper a better overview is obtained of the different institutions that have become involved in GLOBE in Suriname. It is especially on account of the Mosquito trainings that additional institutions have joined. Unfortunately, not all of these institutions are actively contributing data.

### Suriname educational institutions

1. Advanced Teacher Training Institute IOL
2. Algemene Onderwijs Bibliotheek
3. Alpha Max Academy
4. Anton de Kom University
5. Anton Resida MULO school
6. Curriculum development department of the Ministry of Education, Science and Culture
7. Ewald P. Meyer Lyceum
8. G. Sewrajsingh School
9. LTO Reeberg
10. Mgr. Wulfingschool
11. Ministry of Education, Science and Culture
12. Mr. Dr. J. C. de Miranda Lyceum
13. MULO Brokopondo
14. Mulo Ellen
15. Mulo Geyersvlijt
16. Mulo Kerklaan
17. Nabawi School
18. NATIN
19. O.S. Afaka
20. O.S. Brownsweg
21. O.S. Groot Henar Polder



# THE GLOBE PROGRAM

22. O.S. Kuldipsinghproject

23. O.S. Reynsdorp

24. O.S. Sophia's Lust

25. O.S. Van Petten Polder

26. O.S. von Freyburg

27. Petrus Claver School

28. Shri Rudra school

29. Sur. Pedagogisch instituut

30. Tata Colin school

31. University of Applied Science & Technology

32. V.O.J. Albina



## SCIENCE

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### **Mangrove Protocol**

As the Green Heritage Fund Suriname is working a lot in the marine environment and the coastal plain where the larger part of our population is located, a need was felt to work on a biosphere protocol that would study an ecosystem important in mitigating the effects of climate change. For that reason we have started to develop a biosphere protocol fit for our tropical region. We have worked on elaborating a mangrove protocol of which the draft will be presented to the regional meeting for feedback. We have been piloting this protocol with two communities over the past months, and the mangrove protocol should be considered a bundle including the following protocols:

Mangrove protocol

Bird survey protocol

Salinity protocol

Water temperature protocol

Water transparency protocol

pH protocol

Dissolved oxygen protocol

Nitrate protocol

Alkalinity protocol

A translation into English of the mangrove protocol is attached for consideration and feedback by the GLOBE-LAC and other interested parties.

### **Adaptation of the Green-up Green-down Protocol**

A collaboration is pursued with GLOBE Netherlands to develop an adaptation of the Green-Up Green-Down protocol to include tropical trees. A project proposal was developed together with



them. The proposal related to the GROW App and the Mosquito App and collaboration, as well as science fair development for Suriname.

# THE GLOBE PROGRAM

## TECHNOLOGY

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In the past year no specific steps were taken to work on the technology component of the GLOBE program.





# THE GLOBE PROGRAM

## COMMUNITY

The GLOBE Mosquito protocol has played an important part in the awareness-raising about the GLOBE program. Through the implementation of “Fighting Mosquito-Borne Illnesses through STEM Education” project funded by the US Embassy in Paramaribo and completed at the end of 2018, many community organizations have become involved in the GLOBE Mosquito habitat mapper project.

In the implementation period of the above-mentioned project three country mosquito trainings (CMTs) were organized of which the first was held on the 16-17th of March 2018, the second on the 27th of July 2018 and the third on the 11th of August 2018. During the first CMT 27 people were trained from 6 different districts. During the second training 25 people were trained from 4 different districts. During the third training 21 persons were trained from 3 different districts.

As a result of the awareness-raising a fourth CMT was organized on the 31<sup>st</sup> of July 2019 at the request of and for officials from the District Commissioner’s office Paramaribo South-West. During this CMT 23 officials from different administrative jurisdictions participated covering a great part of the capital of Paramaribo.

The Red Cross also approached us to support their work of raising awareness in three of the most populous administrative jurisdictions in Paramaribo in July, but these sessions were cancelled at the last moment, and will be rescheduled. As part of the community outreach collaborations are entered into where large companies will have their staff trained as trainers and thus help spread the awareness about fighting mosquito breeding habitat, these include MacDonalds and the State Oil Company.

### List of Community Organizations

1. Buurt Organisatie Pont
2. Buurt Organisatie Ramgoe
3. Climate Change Awareness Group Suriname
4. DA 91
5. I Speak

# THE GLOBE PROGRAM

6. JCI Paramaribo

7. Kalebaskreek community

8. Medical Mission Suriname

9. National Youth Parlement

10. Pater Anton Donicie Ranger/Boy/Girl Scouts Group

11. Rotaract Paramaribo

12. Suriname Red Cross

13. Sustainable Development Goals Youth Ambassadors

14. Vrienden van de bloedbank Nickerie

15. Vrouwenvereniging Palisadeweg en omgeving

16. Youth Advisory Group

17. District Commissioner's Office South-West



# THE **GLOBE** PROGRAM

## STAFF

The country coordinator of Suriname is Monique Pool, employed by the Green Heritage Fund Suriname, assisted by Meriam Kalloe, assistant country coordinator, who is a teacher in the District of Nickerie, employed by the Ministry of Education, Science and Culture. Cheyenne Samson is a Globe teacher and trainer also working at the Green Heritage Fund Suriname who has focused her attention on the Mosquito protocol.



# THE **GLOBE** PROGRAM

## APPENDIX

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