

# Suriname



**Name:** *Monique Pool*  
**Function:** *Country Coordinator (CC)*  
**Organization:** **Green Heritage Fund Suriname**  
**E-mail:** *monique@greenfundsuriname.org*  
**Tel:** 597-437533  
**Website:** <https://greenfundsuriname.org>



**Name:** *Cheyenne Samson*  
**Function:** *Assistant country coordinator*  
**Organization:** **Green Heritage Fund Suriname**  
**E-mail:** *cheyenne@greenfundsuriname.org*  
**Tel:** 597-437533  
**Website:** <https://greenfundsuriname.org>



Organization and Number of Staff: 8

Funding by: Various organizations

Cooperating Organizations/Individuals:

GLOBE Schools:

GLOBE Protocol Areas: Atmosphere, Hydrosphere and Biosphere

Number of Schools Reporting Data over Past Year: 4

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

- Education

The former GLOBE Assistant Country Coordinator is a biology teacher at Ad Fontes Lyceum, Nassy Brouwer College, and an evening high school. Each year, she guides a new group of students in working with GLOBE protocols. She conducts GLOBE field

**2024**



activities, focusing on clouds and various hydrosphere protocols. This year, her students were tasked with writing a report about their field trip, during which they conducted cloud observations and water quality measurements, focusing on water temperature, pH, and transparency.

On October 30th, 2023, we organized a Mosquito Workshop in collaboration with the Polytechnic College Suriname (PTC). Twenty-three participants attended the workshop, including students and teachers from PTC, university students, and members of the Bureau for Public Health Suriname's entomology department.

- Science

We were approached by two NATIN (Institute for Natural Resource and Engineering Studies) students who wanted to conduct their final research project at the Green Heritage Fund Suriname. After some deliberation, they decided to focus on the water quality of the Suriname River, specifically the impact of urbanization on this river.

The two students from NATIN with a background in hydrometeorology investigated key hydrological parameters—nitrate, temperature, pH, dissolved oxygen (DO), conductivity, transparency, and turbidity—over one month, collecting samples from two locations in Paramaribo and surveying 57 residents and workers along the river in Para, Wanica, and Paramaribo. Collaborating with the Green Heritage Fund Suriname and the Hydraulic Research Division, they accessed hard-to-reach areas for data collection.

Their findings revealed that urbanization affects the river's water quality, showing increased turbidity and conductivity, alongside decreased dissolved oxygen and transparency. The survey indicated public concern about the river's declining health and emphasized the need for greater awareness of urbanization's impact. This project aligns with our mission to protect Suriname's natural heritage and supports the efforts of young researchers. These students are planning to submit this research to the IVSS.

- Community

The videos for our Canopy lab Mosquito course are finished and on our YouTube page.

**2024**



- Hoeveel weet je over muskieten (How much do you know about mosquitoes) -  
[https://youtu.be/qVnmXBdlc5w?si=uM136ivTur\\_tFioi](https://youtu.be/qVnmXBdlc5w?si=uM136ivTur_tFioi)
- De levenscyclus van de muskiet (the lifecycle of the mosquito) -  
<https://youtu.be/g7DQhPXxgtI?si=F4bVdLX0evomt6vE>
- Muskieten zien vanuit de ruimte (seeing mosquitoes from space) -  
<https://youtu.be/xEZx5Kw6GfY?si=2w5NIEV0sri7ksug>
- GLOBE Mosquito habitat mapper -  
<https://youtu.be/0AoycuOtJXo?si=mpZjJlXwuOXA0F8>
- Het dodelijkste dier op aarde (the deadliest animal on Earth)  
[https://youtu.be/5ndwUG2jTh0?si=x48ynBoLSJr5v\\_Xe](https://youtu.be/5ndwUG2jTh0?si=x48ynBoLSJr5v_Xe)

- Technology

Over two years ago we installed four IQAir air quality monitors that measure air particles as well as air temperature and other parameters. The data gathered through these monitors has allowed one student from the University of Pittsburgh Public Health Department to research air quality in Paramaribo, as well as one student from the Medical Faculty of the Anton de Kom University of Suriname Public Health Department to look into air quality and fires. We are looking forward to continuing this research in the future with students from both local and international universities.

#### Plans and Ideas for Next Year:

A project was submitted for the establishment of GLOBE Hubs in the districts of Para, Paramaribo, and later in Wanica. The project is scheduled to begin in the first quarter of 2025 and continue until 2028.