

# Envision | Issue Statement Paper

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## Group Name

Aguafy

## Authors

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5. Savannah Nippa
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## Issue and Topic

Racing Extinction

## Problem Statement

Throughout the world, there are many challenges that humanity and our planet face. These challenges include unclean water for residents in South America. Our group, Annika Srivastava, Grayson Massenburg, Miles Moore, Valentina Irazabal, and Savannah Nippa are attempting to find a solution for this problem. The issue with drinking water in Latin American countries is that even though there is a clean source, the water is infected with an unknown type of bacteria and is causing a really big threat to everyone who is drinking the water. These diseases in water have killed up to 2 million people in South American countries each year, a large majority being younger kids. Focusing on South American countries, including Peru, Venezuela, Argentina, and Brazil, Aguafy strives to provide clean water to the Latin American Society.

This major problem has become a big issue in Latin America. All throughout Latin America, there are numerous supplies of freshwater sources, including the Amazon, Orinoco, and Rio de la Plata. Approximately 28% of the world's fresh water is available in South America but there is an unknown bacteria infecting the water supply. This is an issue and it needs to be stopped, which is what we plan to do. There are several areas that our group, Aguafy, would like to specifically help as stated before. Starting with Peru, which has a population of approximately 31,152,000 people and one of their major water sources is the Montaro River. The second country is Venezuela, with a population 31,416,000 and one major water source is Orinoco. The third country is Argentina, with a population of 43,417,000 and a major water source is Rio de Plata Basin. The last country is Brazil, with a population of 206,441,000 and a major water source is the Amazon Basin.

## **Sustainable Solution**

Aguafy has come up with several solutions, including a temporary one of educating the residents of these four countries on how to properly boil water to eliminate the bacteria. Another temporary solution is delivering water tablets to purify the water to those South American countries. Our final solution is to create a purifier and clean water facilities with those countries. Key partners that we would consider investing in would be the Charity Water Organization and Global Water Partnerships. Potential challenges would be the cost of ensuring education of the unclean water, tablets, and building water facilities. Our goal is to find a solution for the unclean water, we are Aguafy.

## **Research Sources**

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<http://wonderopolis.org/wonder/how-does-a-nonprofit-work>

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