Peru: The lack of water care for citizens to drink (Water Crisis)

Peru is a beautiful place with many world-renowned tourist occasions. Due to these famous tourist occasions, Peru’s population is rapidly growing. Peru’s current population sits at 34 million citizens as of 2023 which causes major problems with overpopulation affecting water resources throughout the rural and urban areas. Climate change also has a great impact on the lack of sanitization in Peru’s water at the rates of about 2 million Peru citizens are struggling with lack of access to water, about 4 million of Peru’s citizens struggling with water sanitization issues, and the rest of Peru’s population has access to clean water.

Major crops found in Peru are fruits, vegetables, spices, and grains, but the country continues to have water crisis issues. Noting that Peru is located in the tropics, Peru can get very hot and humid and with frequent shortages of water supply it truly makes citizens struggle with staying hydrated, causing many problems with electrolyte imbalances, heat strokes, kidney failure, and being lightheaded. Due to these deadly but common issues, I am dedicated to finding realistic scenarios to end dehydration within many families and communities in Peru.

Statistics have proven that the average members in an Peru household sits at 4 as of 2023. Common Peru adults in rural areas take on jobs in the agricultural field such as farming and construction and for urban areas, jobs such as wholesale, transport, and government services with income about 7,540 PEN converting to 2060.68 USD it may be difficult to use consistent water for everyday use such as showering/bathing, drinking water, and washing clothes. Not only does the lack of water affect citizens in their everyday activities, it affects their food. If a household has 4 members and does not have the financial support to shop at grocery stores, their only option for food would be to garden and if the water is not sanitized or if there is lack of water, it is possible that the family would not be able to eat that day.

Many families in Peru have consistent diets of vegetables, rice, fish, and chicken and most foods by gardening and fires, which requires more water supply than using a microwave and/or oven because the food is being handmade. Even if these families in Peru do have a sustainable way of income, after paying for bills, electricity, daily groceries, and basic needs it can be very difficult to pay for systems that filter unsanitized water, which is a huge problem if citizens are not able to have access to clean sanitized water. Peru can get difficult when it comes to water scarcity but if you have a resourceful family you can water supply within households and possibly end the water crisis. As that may be hard to accomplish, me and my team have found ways to end water crisis issues in Peru. Rationing/Cutting down how much water you use, don’t be careless on how much water you waste (showers, cleaning, gardening, and any other water related productions). Conserving water is also good for the environment, for example a lot of water we use is from lakes, ponds, creeks, and some oceans and of course those are all natural habitats for various sea creatures and if we take away their place of residents it will kill them and we will have a decrease in seafood and common sources of basic foods.
There are many ways that the water crisis in Peru can be fixed for many citizens in different scenarios. Firstly, water is used for almost anything and everything but there are ways that you can preserve your water supply. When it comes to gardening and cooking, you can set yourself a certain standard of how much water you truly need to cook whatever you want/need, when cooking if you are not sure how much water you need there will always be recipes in textbooks, online, and/or in cook books to insure you use the needed amount of water for the specific meal. Some minorways you can ration down on how much water you use is being mindful of how much water you put into water bottles, bath/showers, gardening tools, and cooking pots.

Peru is actually finding many ways to preserve their water and keep it clean, mainly by protecting natural ecosystems which helps Peru adapt to climate change, it will ultimately provide healthy drinkable water. For example, many Peruvians may not want to use refrigerators to dispense their water, so another option would be tap water, which is convenient but for Peruvians on the other hand, it's not so convenient. Just to get tap water you must boil it on a stove just to ensure that your water is safe to drink.

With Peru having a reliable solution to their problem I believe that the trends to keep Peru’s water security safe, I would say that the trend is improving and eventually Peru will not be challenged with a lack of clean & scarce water supply. Contributions to this trend are keeping ponds, lakes, and other bodies of water clean and preserved. This solution will have a lot of positive outcomes for multiple people everywhere in Peru and could even possibly increase the population. These solutions positively affect both rural and urban areas in Peru because not only will water organisms have more space to live under the water but it will also have an impact on food production and agriculture. With rural areas in Peru being a main farming area for sourcing crops and vegetables, clean water and a great amount of water supply it will really allow farmers to produce veggies, crops, and goods in their farms and/or communities.

Some other ways that my solution of clean/sanitized water and preserving bodies of water positively affects other things/people in Peru's community is by fulfilling the lacking populations need for healthy and a stocked supply of water, this will allow citizens to stay healthy and hydrated during the day and not suffer with the fact that they do not have any water to drink. I believe that this solution will truly fulfill Peru’s population's struggle on not drinking water and will improve multiple things in the country such as agriculture, food, crops, and other goods, hygiene, sea creatures, engineering, and other areas.

My solution would be for the most part managed by nature centers & nature reserves. This project can be funded by many people in the area and also nature centers that have past experiences with preserving water sources and making sure that bodies of water are purified, cleaned, and filtered before citizens attempt to drink the water. I think some cultural norms & behaviors that can be considered is that yes water is used for everything, it needs to be taken into consideration that we need clean and healthy water before we waste our resources.

This project is overall sustainable because I will make sure that I have multiple organizations, communities, and groups that will support and contribute to the project, this project/plan to change the way Peru’s water resources are will mostly be a project widely involving community groups to contribute to the process of filtering the water and gaining water from creeks, lakes, and ponds and truly making sure that the water is drinkable.
If my solution does become successful at least 25% of the population will be satisfied with water supply and clean water. That 25% will be resourced with the needs that they have been wanting & needing to stay hydrated and sustained with water and other natural resources that get affected by my solution. With the statistics of 21.5% of Peru being in rural areas and 78.5% of Peru is in an urban area, Peru is pretty diverse when it comes to its ways of how Peru is structured. I think that fixing the water supply and cleaning their water is going to impact both sides of Peru in its Urban & Rural environments.

In conclusion, Peru does have a problem when it comes to water sanitation and supply (water scarcity) but I will make sure that there will be a solution to make sure that the population of Peru citizens stay hydrated and will have access to clean and drinkable water. Peru is a beautiful place and I believe that every citizen should have the ability to drink water everyday and not have to worry about when is the next time they will be hydrated and have sustainable diets in their everyday lives, Just like how I drink water on an daily basis I want everyone else in the world to have that blessing.

About Peru: Project Peru


These are the main products that Peru exports

Dehydration

Anon

How Countries Manage Water: Peru

Peru

Peru's Water Crisis - Water In Peru 2022 | Water.org

Most Popular Jobs In Peru | Now Hiring

A Peruvian jobs diagnostic
Average Salary in Peru 2023 - The Complete Guide
"Average Salary In Peru 2023 - The Complete Guide". Salaryexplorer.Com, 2023,

PEN USD : Peruvian Nuevo Sol/United States Dollar - MSN Money
"PENUSD : Peruvian Nuevo Sol/United States Dollar - MSN Money". MSN, 2023,

Gies, E.
Gies, Erica. "Why Peru Is Reviving A Pre-Incan Technology For Water". Bbc.Com, 2023,

Guides, T.
Guides, Travel. "Peru Environmental Issues & Resource Extraction". Anywhere.Com, 2023,

Water and Sanitation in Peru - Our Impact

Sawe, B., Peru, M., Continents, A., America, N., America, C., America, S., East, M., Countries, A., Maps, U., Maps, C., Maps, R., Maps, P., Maps, E., Water, B., Geography, A., Us, A. and Us, C.
Sawe, Benjamin et al. "Major Rivers Of Peru". Worldatlas, 2017,

Peru - Exploring Rural Life, Social Class, Cuisine, and Traditional Clothing

Water Security