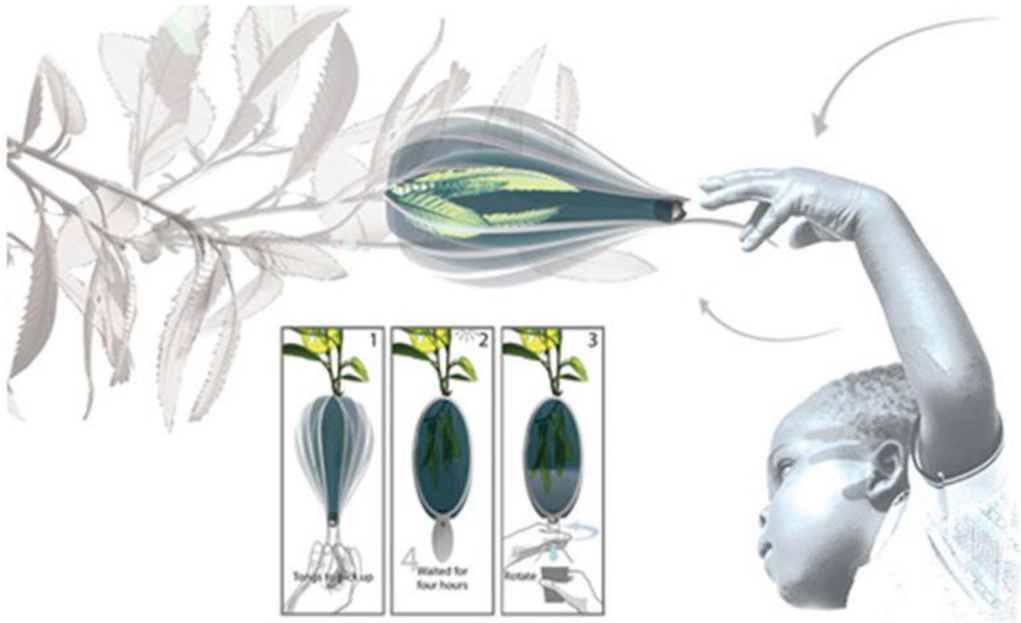
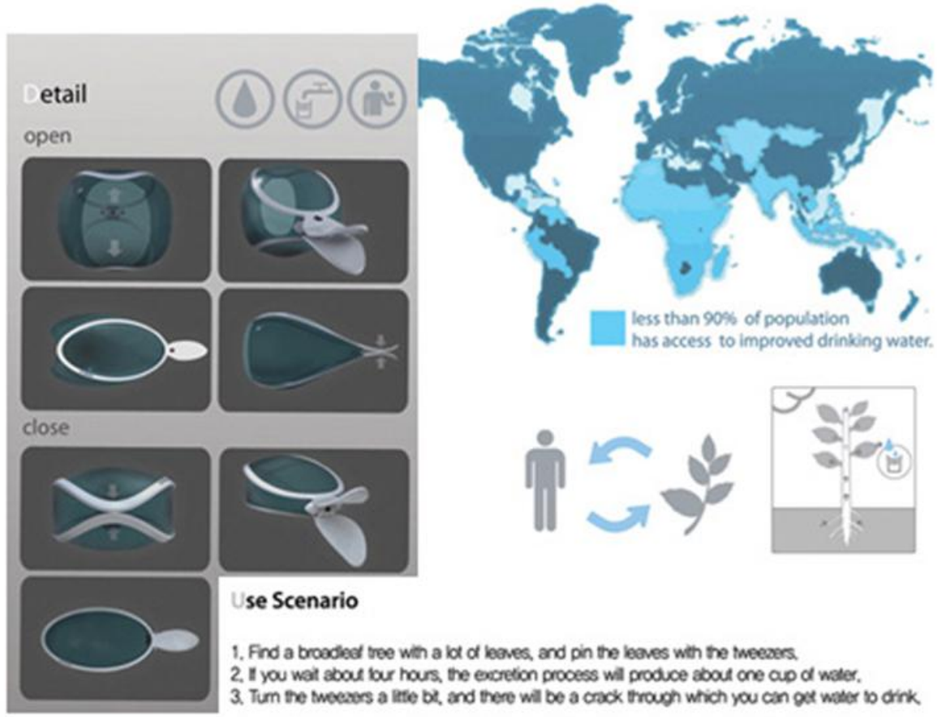
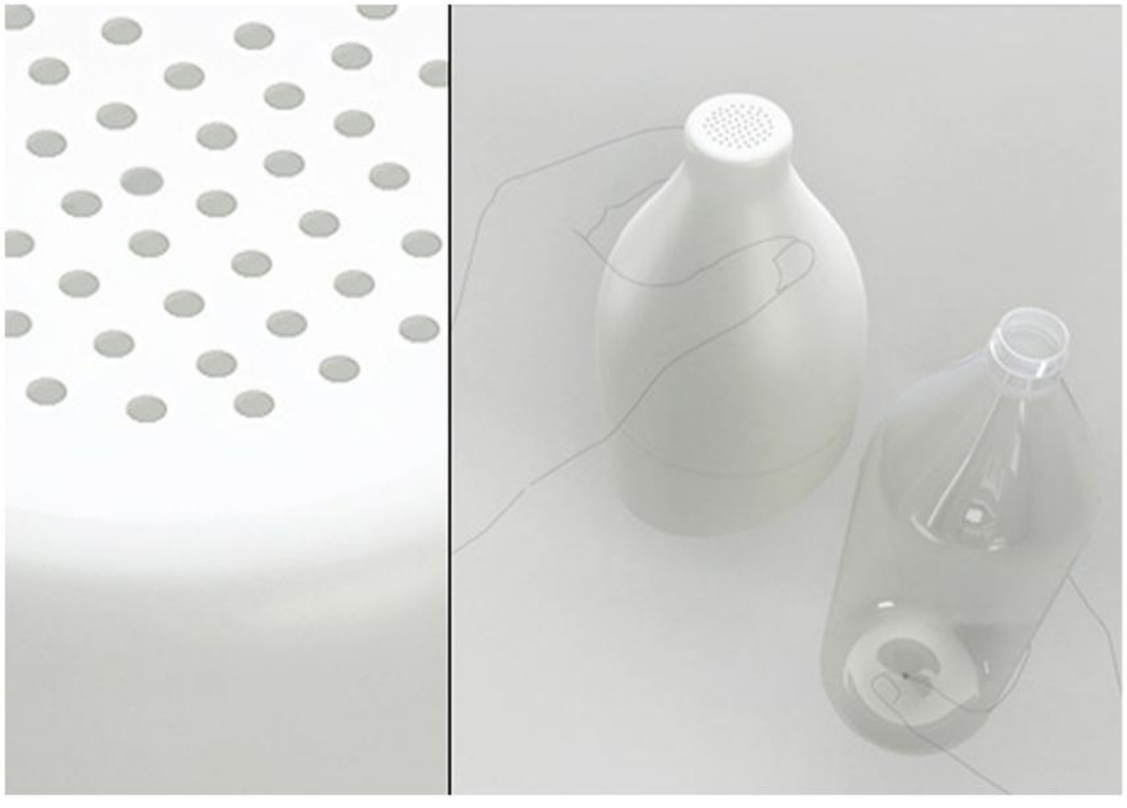
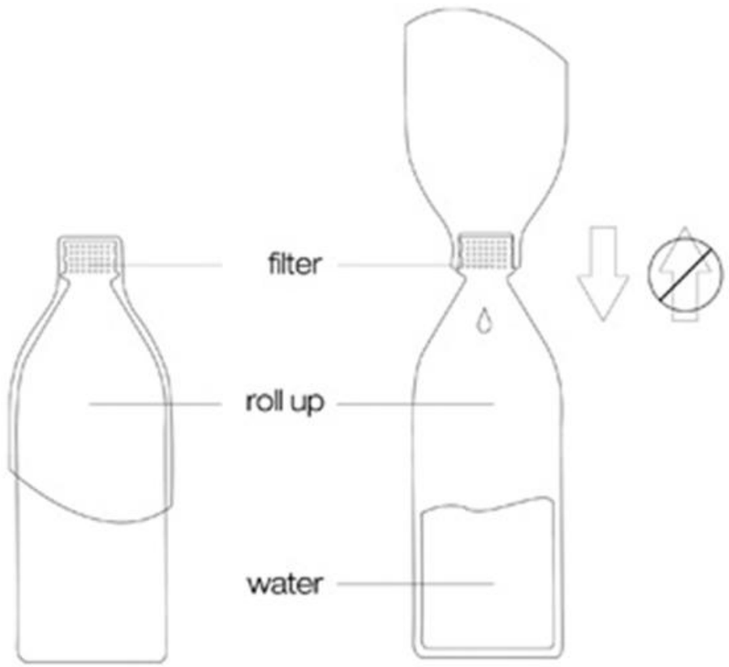




Collecting the moisture from the leaves and emptying it out into containers.
Africa: water supply low, but the water that's available is often undrinkable and polluted.
In about **four hours**, the leaves will have produced about **one cup** of water.
https://www.yankodesign.com/2009/10/28/moisture-collectors/

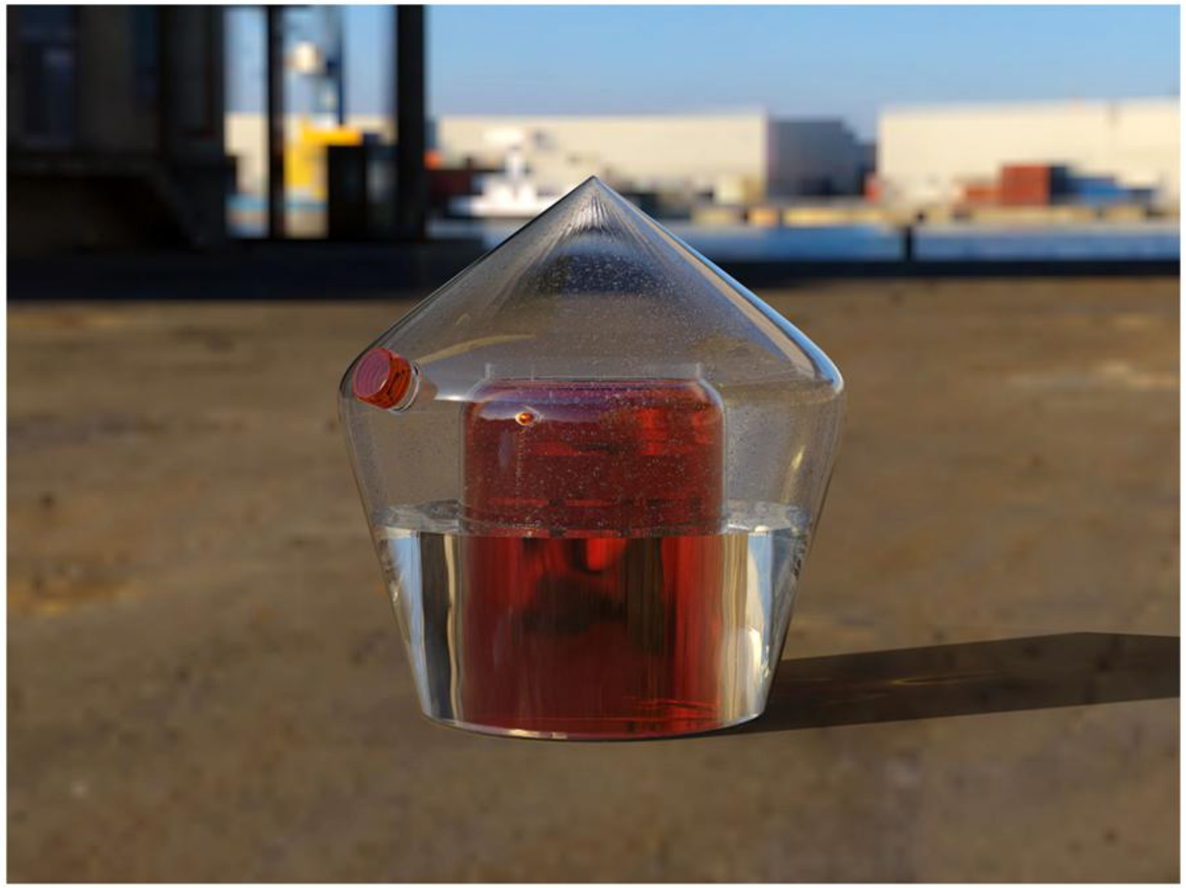
- Too slow,
- Plants need water too,
- Filtering with plants,
- Expensive,
- Material choices does not fit the context





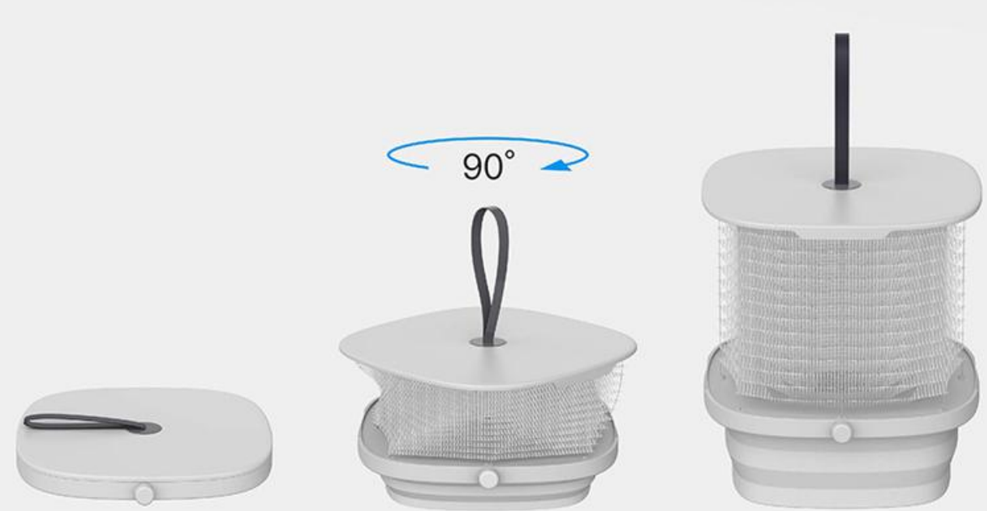
In an effort to battle the oncoming **disaster** that is the ever-decreasing clean water supply.
It's plastic with a special elastic rubber skin. When the skin is on,
it acts as protection against outside elements, it keeps the dirtiness out, and the filtrated water in.
https://www.yankodesign.com/2009/11/09/peel-the-skin-drink-the-water/

- Inexpensive,
- Multiple usage,
- Filteration,
- Need external water resources

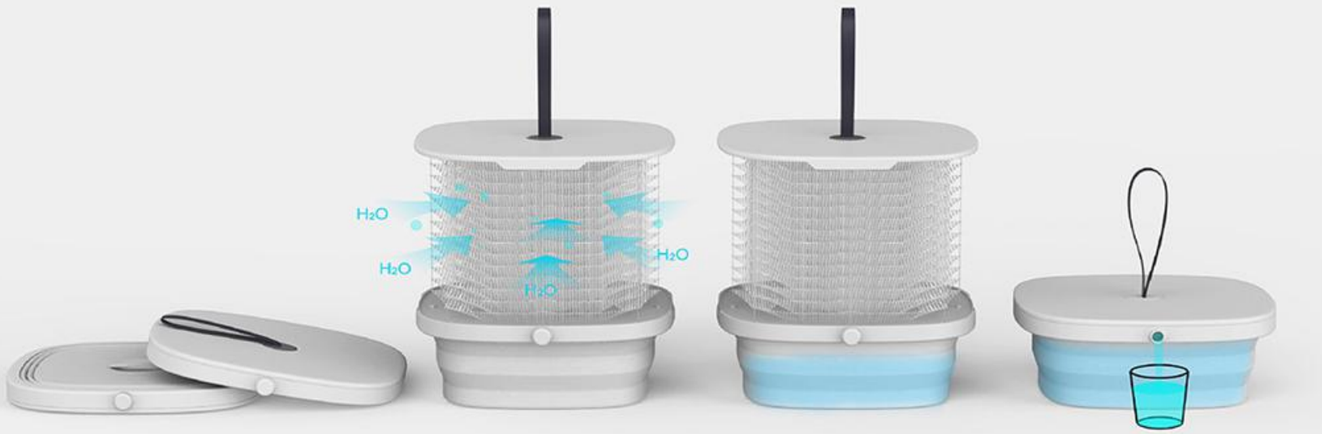


This is a low-cost and convenient natural water collector design, inspired by coconut in nature, it can absorb water in the natural environment and give birth to water resources, suitable for areas where water resources are unclean and without tap water supply, as well as for areas such as navigation and islands that lack fresh water resources.
The material is acrylic, high light transmittance, wear resistance and fall resistance.
The purpose of this design is to be able to do so at the lowest cost.
Bringing cleaner water resources to people can greatly reduce the infection rate of bacteria and viruses caused by unclean water resources.
https://ifworlddesignguide.com/entry/277901-coconut

- Low cost
- Humadity
- Filtering



Easy to transport Rotate 90°to open the net



This is a water collector that collects drinking water from the air.
We know that when the humid air passes through the dandelion at night, it leaves a lot of water on the dandelion.
This is because the structure of the dandelion increases its contact with the air, thus retaining the moisture in the air.
Based on this principle, we designed a water collector that can collect water from the air.
The middle part of the water collector is a dense network structure, and the lower part is a retractable water bottle.
As the air passes through the mesh structure, the moisture in the air condenses into water and then collected into the water bottle.
https://ifworlddesignguide.com/entry/277839-air-water-collector

- **Humadity**
- **No context relevant**
- **Innovative**
- **Containing**
- **Obtaining**

Cloud is water purifier drone. This product is inspired by storm chaser. Cloud drone chase rain based on weather forecast data, and after receiving rainwater from rainy areas. The drone completes collecting water and flies to areas that lack water to provide clean water. cloud drone get energy from sun light with solar panel .
https://ifworlddesignguide.com/entry/277924-cloud

- High cost
- High tech
- Innovative
- Wil users adapt this?
- Smart
- Autonomous
- Providing
- Containing
- Filtering
- External source

Under the discussion of the topic,
the concept of self-sufficiency is achieved through a simple planting way,
and water resources can be used in a multi-functional manner.
We will multiply the soil for growing vegetables and add sand and
gravel with different water filtration function.
Excess water or rainwater from irrigating is penetrated into the soil horizon
and filtered to become a clean water source.
It can not only improve water quality can also be simple self-sufficiency.
https://ifworlddesignguide.com/entry/272886-drink-so-easy

- Via plants
- Mutual
- Filtering
- Self sufficient

This is a retractable bucket designed for African children. In rural Africa, children often have to go a long way to get water because of the extreme water shortage. Because of the long distance, the traditional bucket is used,
which has high physical energy consumption and low efficiency.
This problem has plagued them for a long time.A water conveyance tool is designed for African children.
A flexible water storage bucket with light material, environmental protection, easy to take and pour water is designed.
The straw rope used for pulling bucket is convenient to take material, low cost, and can also be used as a seat when tired.
https://ifworlddesignguide.com/entry/272981-telescopic-bucket

- Playful
- Context relevant
- Maybe filtering could add
- Africa

Telescopic bucket

This is a retractable bucket designed for African children. In rural Africa,children often have to go a long way to get water because of the extreme water shortage. Because of the long distance, the traditional bucket is used,which has high physical energy consumption and low efficiency. This problem has plagued them for a long time.A water conveyance tool is designed for African children. A flexible water storage bucket with light material, environmental protection, easy to take and pour water is designed. The straw rope used for pulling bucket is convenient to take material, low cost , and can also be used as a seat when tired.

Your entry
Entry-335-272981
MINISO DESIGN PRIZE 2019 by iF

Concept
Telescopic bucket

Student/s
Yao Mengqi;Sun Miaomiao
Yuan Hong

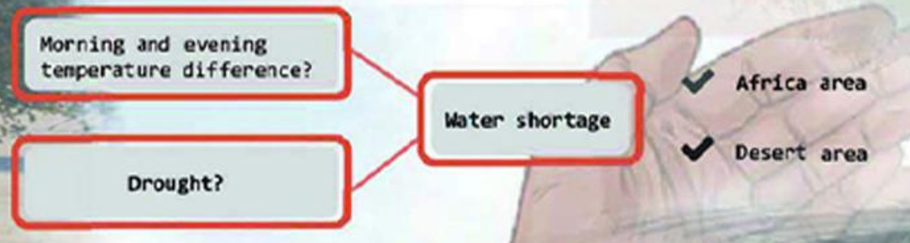
University
Information and business,
Zhong Yuan university of
technology

Morning Mist Seeds

Each mist net symbolizes a seed of hope. Plant and harvest.

In recent years, due to global warming, the phenomenon of serious anomalies in the climate, such as water shortage and water storage has become a problem that people need to think about. Experts predict that two-thirds of the world's population will face serious water shortages in the next 25 years, so how to strengthen water management is a priority issue.

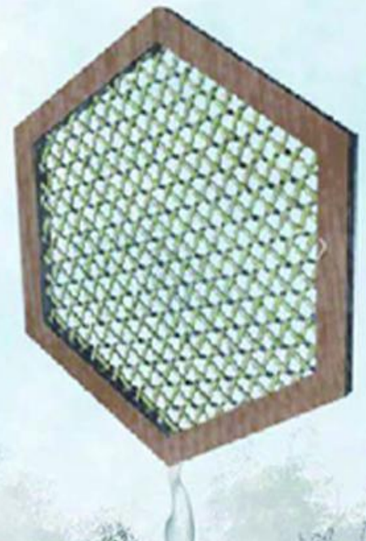
We think ...
Which area of people should use? What can people use to store water? More Convenient to use?



Infinitely extending the hexagonal area

The shape of the hexagon, six sides can be extended to form a tight area. Each side of the mist net symbolizes the seeds of the local residents' hopes. And captures mist through the hexagonal net to bring water to the local area.

Easy to use of the bamboo material



Due to the temperature difference between day and night, the dry places lack of water.
Therefore, using a simple hexagonal braided net to collect the morning mist to helping the place with enough water.
The design of hexagonal can be the most extended and maximized for the area. Numerous hexagonal structures are often be found in nature, and the mist is collected through the hexagonal braided. Therefore, every household who is in lack of water can easily obtain and use it.
https://ifworlddesignguide.com/entry/273741-morning-mist-seeds

- Context relevant
- Low cost
- Humadity
- Obtaining water
- No containing?
- Where does the water go?

the method of distillation is using two surfaces that covered with variable size magnifier shaped cells that they do convergenting ray of the sun.convergented rays evaporate water and vapor move up to the silver colored part of container for chilling (silver colored space provide a cooler space).
When vapor moves up to the top of the container be cool and droplet.drops falling down to the inert silver colored bag and store in. the UV method works by inert silver colored bag (second bag) that stores distillated water in himself. second bag be able to save water from heat and reflect UV rays to water in main bag for helping to purifying.
https://ifworlddesignguide.com/entry/278646-magniipure

- **Innovative**
- **Portable**
- **Size?**
- **Containing**
- **Collecting**
- **No context relevant**

People in some parts of the world still have limited access to clean drinking water especially, the drought victims.
They haven't had any water filter to make groundwater clean enough to consume.
So, they have no choice but using groundwater (which may be contaminated and effects their health negatively) in their daily lives.

The project aims to bring clean water at the door of drought victims by using this manual handy water purifier.
At the bottom of the filter, there is a screw cap allowing the user to screw a water bottle directly to the filter.
https://ifworlddesignguide.com/entry/271863-purepal

- **No context relevant**
- **Filtering**
- **Smal amount of water**
- **Containing**

In the main developing countries like India and China,
cities are surrounded by slums.
Although the slums are near the cities,
the foundational facilities are severely lacked.
Many of the slum residences are using dirty water
from the nearby rivers ditches.
DRIPS is designed to help the slum residences to
get clean water by filtering.
https://ifworlddesignguide.com/entry/278822-drips

- India, China
- Slums
- Filtering
- Carrying

In Africa, especially north Africa, it is very difficult for people to have clean water to drink.
Water on land can also be polluted for different reasons.The fog in the air and rain water are difficult to collect and use.
These hard-to-use water resources are abundant in Africa.
So The Hope of Water is a device that collects fog in The air and rain drops when it rains.
https://ifworlddesignguide.com/entry/272983-the-hope-of-water

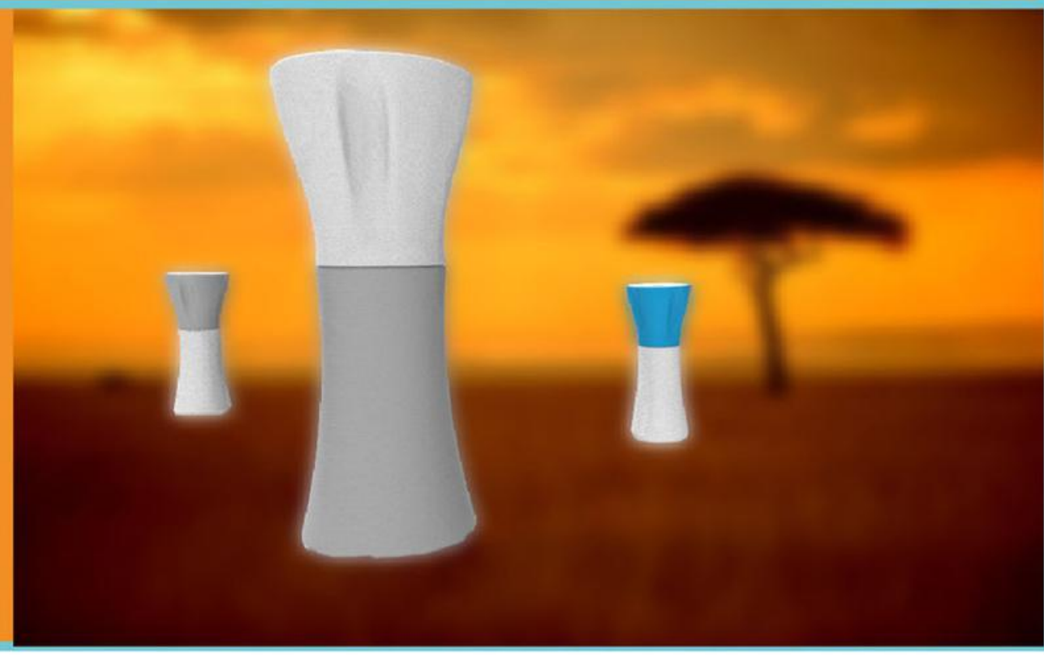
- Africa
- Filtering
- Collecting
- Humadity
- Faster

The Hope of Water

In Africa, especially north Africa, it is very difficult for people to have clean water to drink.Water on land can also be polluted for different reasons.The fog in the air and rain water are difficult to collect and use.These hard-to-use water resources are abundant in Africa.So The Hope of Water is a device that collects fog in The air and rain drops when it rains.This device can be divided into three parts.The top section collects and filters the water.And then the filtered water goes into the second part of the reservoir.Finally you can get water at the bottom of the device.

The top cover is uneven and has gaps to facilitate water flow into the device.And the cover is made of reflective material.One way is to prevent birds from polluting the water by resting, and to reflect sunlight and reduce evaporation.

Rain water and fog pass through the filter into the water storage device



Your entry

MINISO DESIGN PRIZE 2019 by IF

Concept

The Hope of Water

Student

HuiXian Liang

University

Guangdong — Taiwan college of industrial science & technology, dongguan university of technology
DONGGUAN/CHINA

SOUNDER
For the blind

SOUNDER
For the blind

The blind today are actually people who are facing an unfriendly world.
Due to their blindness, it is hard for them to find jobs, which makes them poor.
They are incompatible with the world since everything is
designed for normal people including designs of water bottles.
This design “Sounder”is meant to make use of a physical structure
called optical cavity to amplify the sound of water and prevent overflowing.
https://ifworlddesignguide.com/entry/278346-sounder

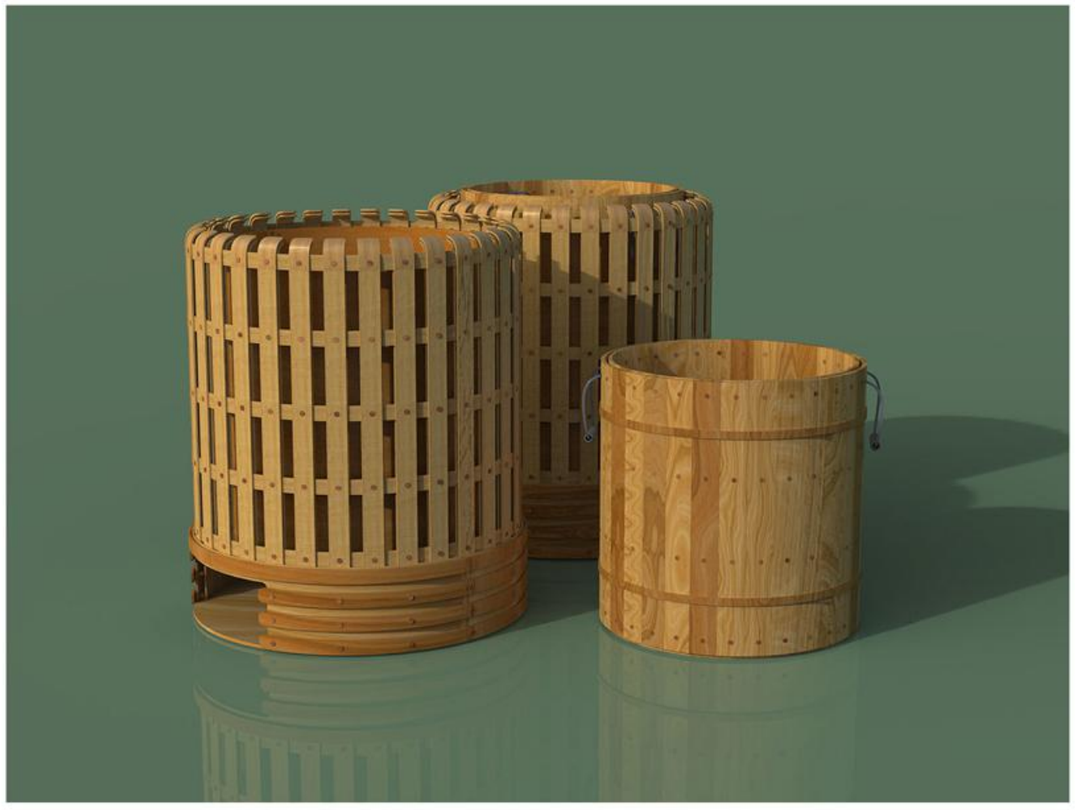
- Disability
- Speciality

Northern Kenya people often have to go to far away places because of the drought water, no transport, they can only get water by back water, this is a simple and easy clean water bag, lighter, ABS plastic, on the material selection can make people easier in the long trek.
Kenya region for water is not easy, access to clean water are not enough, the water purification backpack solves this problem very well.
It contains a simple water purification device. While carrying water, the backpack can purify water so that people can get clean water.
https://ifworlddesignguide.com/entry/271328-water-purification-backpa

- No context relevant
- Carrying
- Filtering
- Kenya

This product is a simple vortex washing machine
that operates with water pressure and water flow.
When the structure on the lower side is impacted by water flow,
it can alternate between clockwise rotation
and counterclockwise rotation to drive the upper washing machine drum to form eddy current,
which is able to effectively clean clothes.
Only the necessary bamboo high strength connectors are provided in the packaging
of the product. The design of the washing machine is simple,
and people in poor areas can complete the manufacture of washing machine by themselves.
https://ifworlddesignguide.com/entry/276745-bamboo-flow

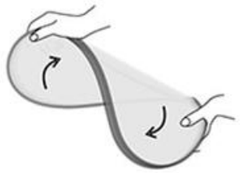
- Context relevant material choice
- Low cost
- Low tech
- Simple
- User can build himself



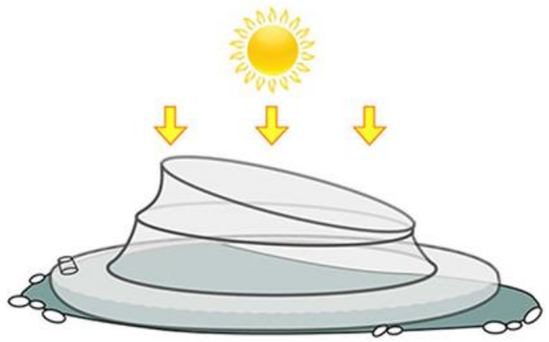
Use Procedure

STEP1: Remove the elastic band

STEP2: Loosen the folded part

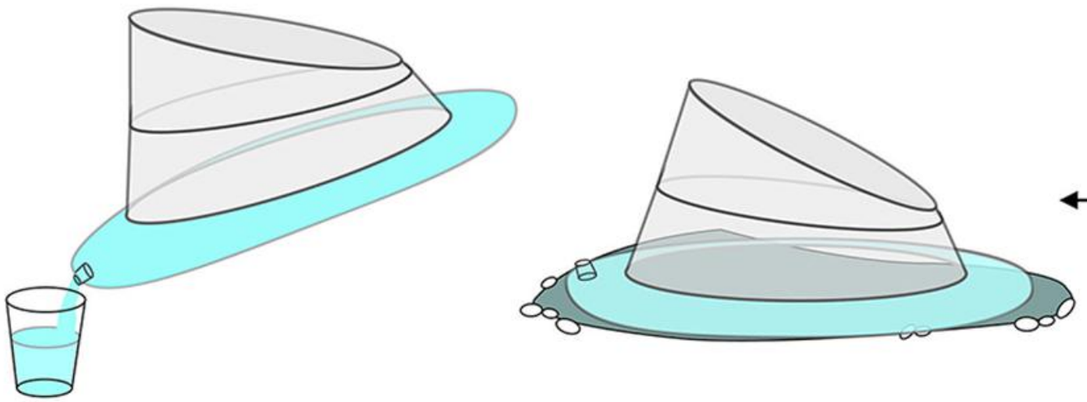


STEP3: Expand it



STEP4: Placed above the puddle

wait for some time



STEP6: Pour out the collected clean water

STEP5: Get clean water

In Africa,people often take unclean water from dirty puddles,
which is very likely to cause disease.
But the water in small puddles can be converted to clean water by distillation
and then people can drink directly.Based on the principle of distillation,
we designed the water-collector.
When the cover is placed over a puddle that is relatively hot due to sunshine,
water will evaporate beneath the cover.
Distilled water will gather on the underside of the cover,
then flow into the water bag.Drinkable water is thus accessible.
This water-collector is formed with a single curved steel and
a Tarpaulin that can be folded easily.
https://ifworlddesignguide.com/entry/277961-water-collector

- **Africa**
- **Obtain water**
- **Filtering Water**
- **Humadity**