



*Istituto Istruzione Superiore
"E. Usuelli Ruzza"*



Erasmus + Programme

W=H2O



**WATER EQUALS HUNDREDS
OF OPPORTUNITIES**

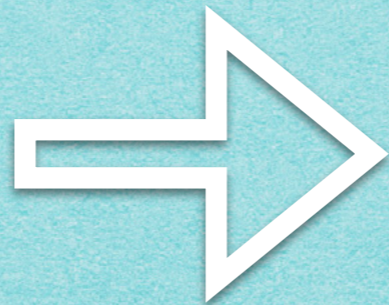
**STRATEGIC PARTNERSHIP KA2
2016-1-NL01-KA219-022990_8**



2016-2019

WARKA WATER

*from air
condensation*



*to potable
water*

March 30, 2017

ARTURO VITTORI

conference

on Warka Water



WARKA WATER
Every drop counts

ARTURO VITTORI

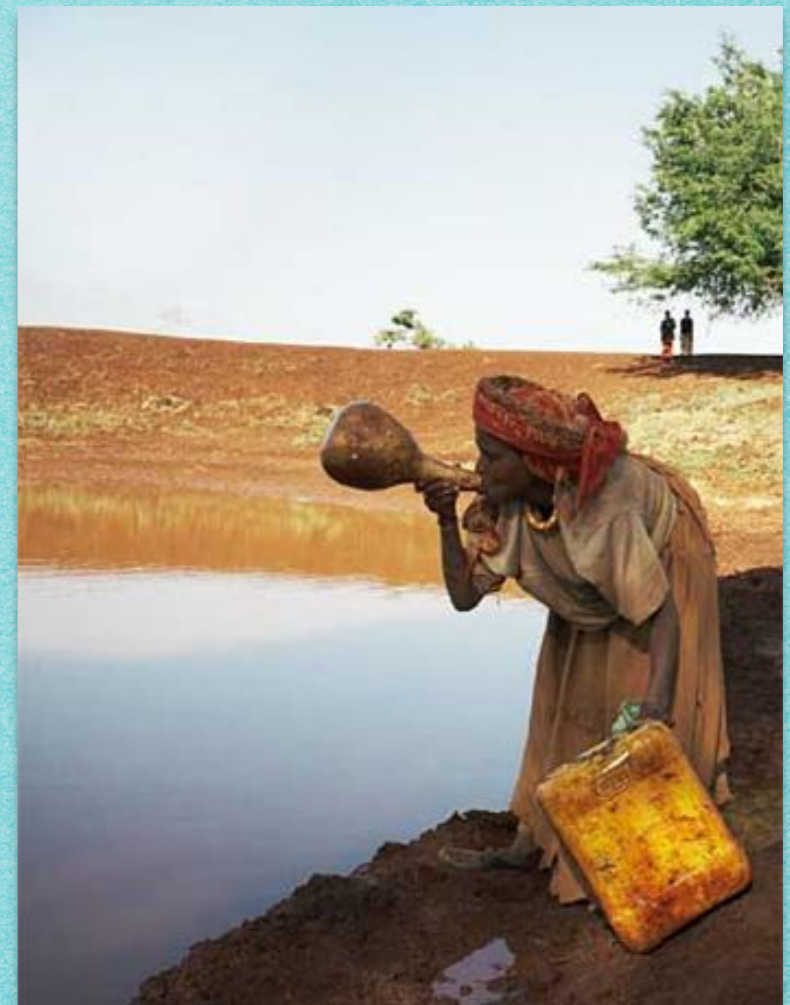
Arturo Vittori is an Italian Artist, Architect and Industrial Designer of international fame.

He is the cofounder of the Warka Water NGO



THE TRIP TO ETHIOPIA

When he travelled to Ethiopia, he saw it was extremely difficult to find and collect safe drinking water



So Arturo decided to create something to help Ethiopian people, and the result was Warka Water



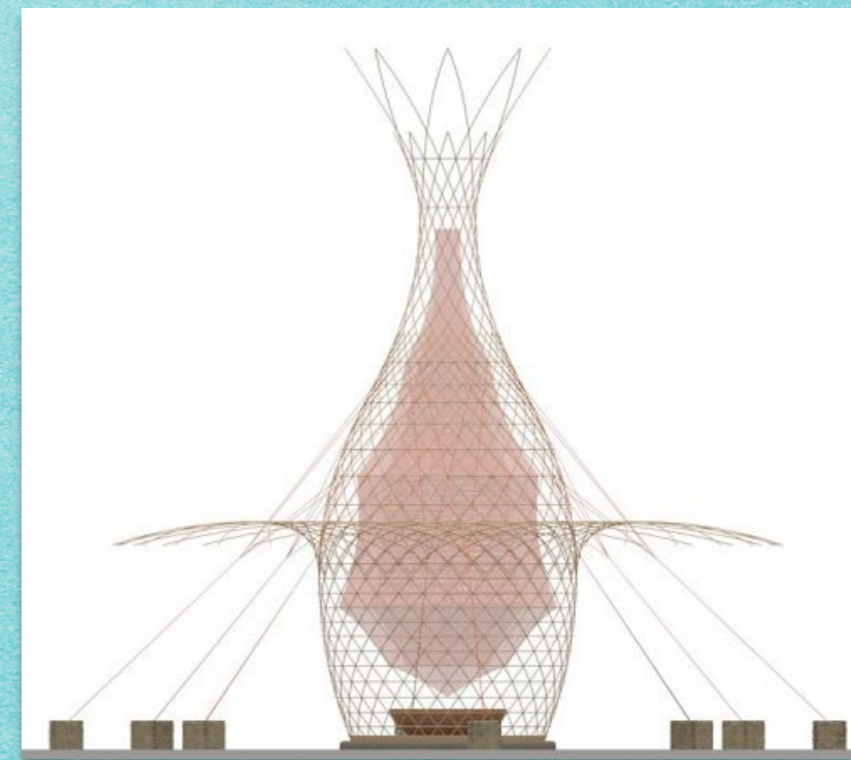
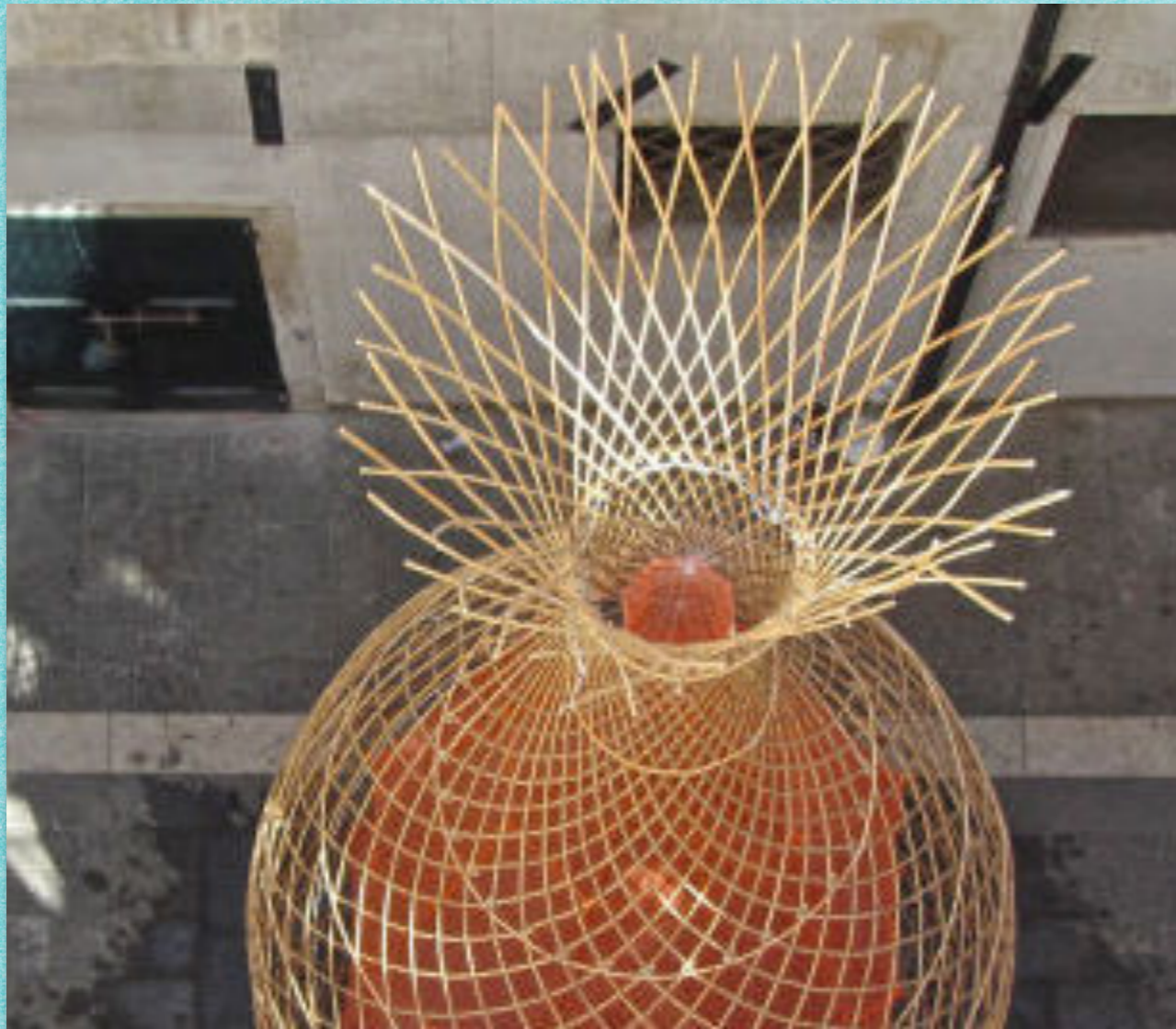
WHAT IS WARKA WATER?



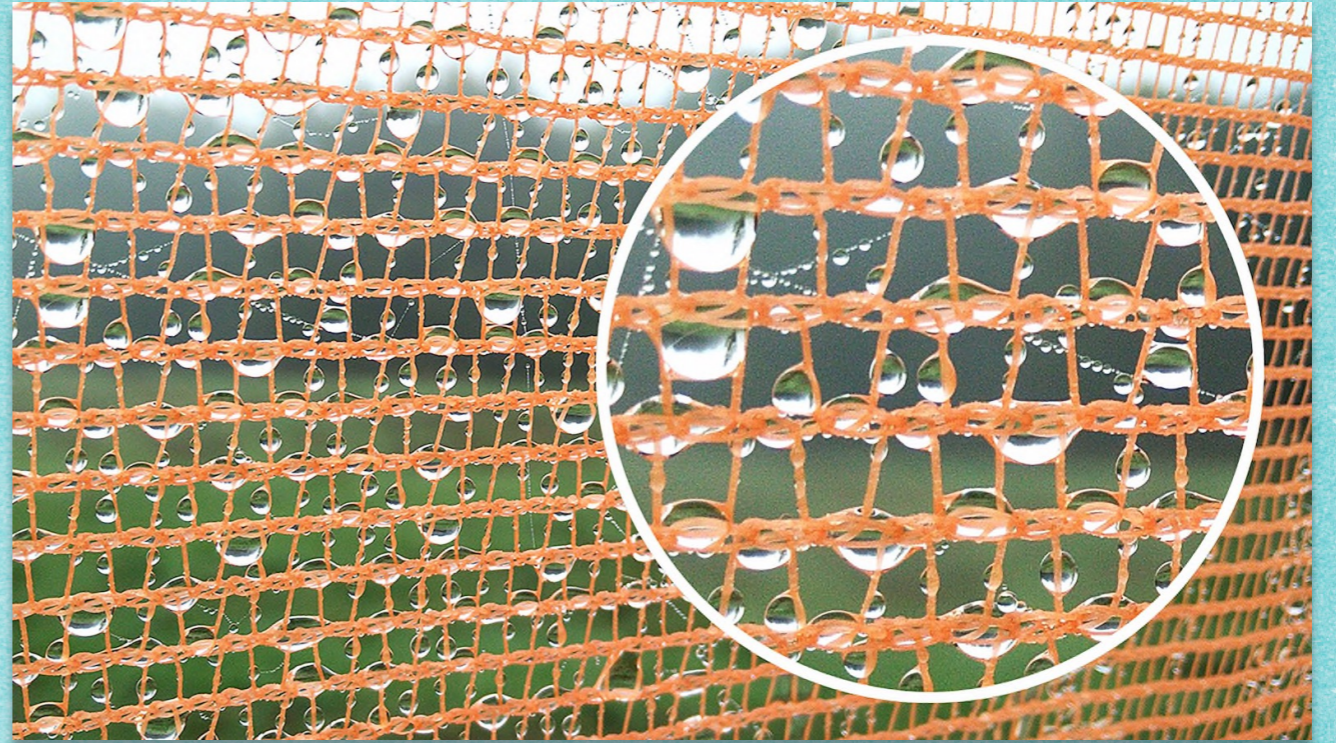
Arturo was inspired by the Warka, an Ethiopian tree, a great resource for the country. Under its enormous crown, people organize parties, school lessons, political and public meetings.

IT IS THE COMMUNITY'S MEETING PLACE

Warka Water is a bamboo tower that collects and compresses the vapour suspended in the air



It captures the
water particles
contained in
mist and dew

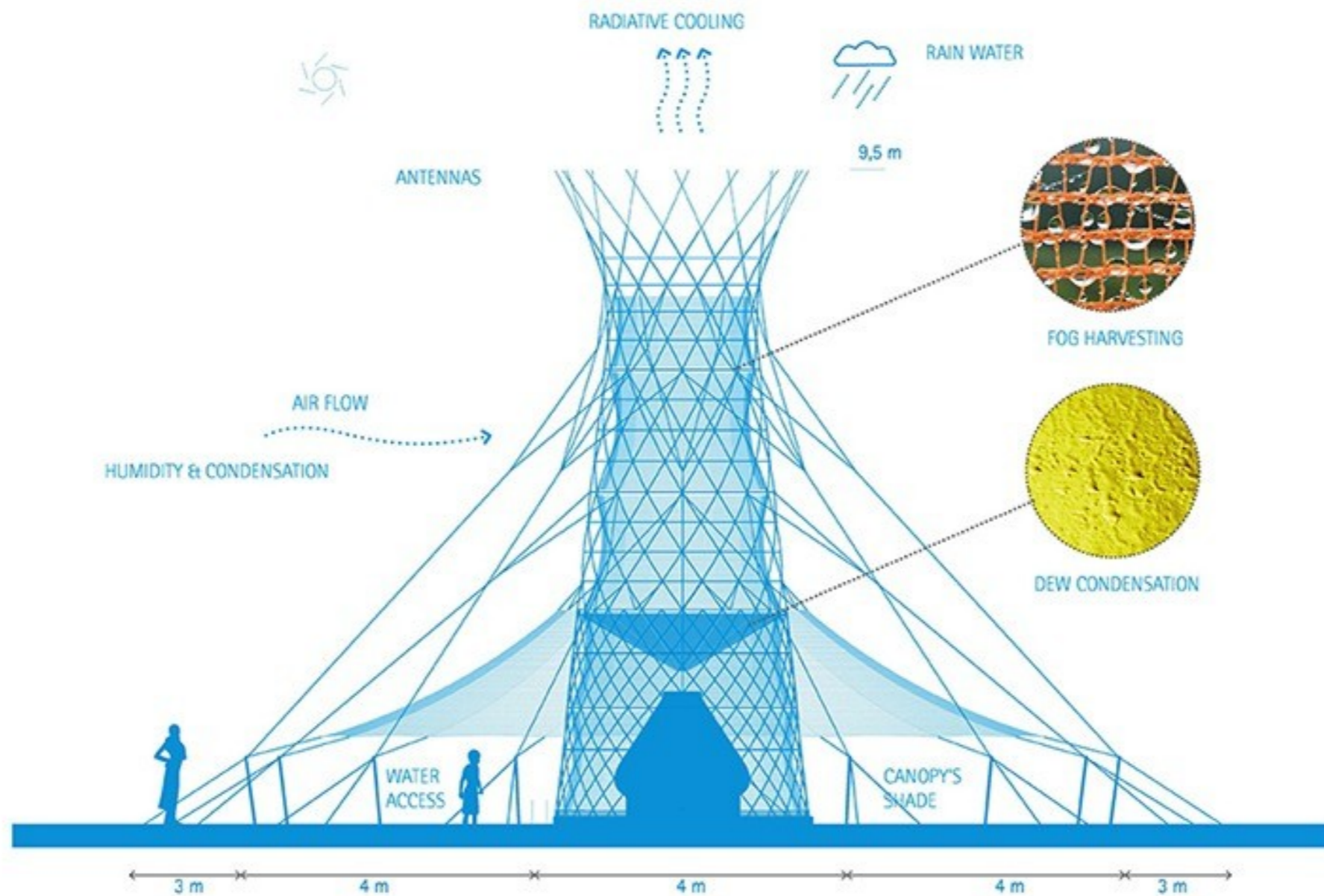


and stores
them in a
container in
just one night

It can harvest about 100 liters of potable water in one day thanks to natural phenomena, such as gravity, condensation and evaporation



HOW IT FUNCTIONS



It costs less than a well because it is only made by eco-friendly materials.



ECO-FRIENDLY MATERIALS

▶ Bamboo



▶ Hemp

▶ Metal pins

▶ Bio-plastic

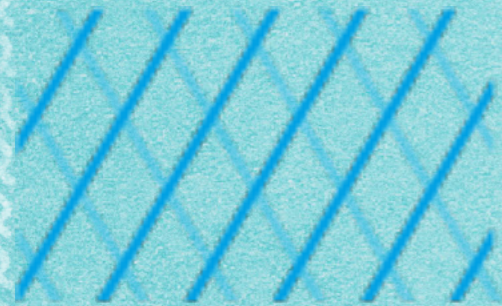


KEY DETAILS OF WARKA WATER

- ▶ Daily water collection: 100 l
- ▶ Construction: 10 days, 10 people (by hand and without electrical power)
- ▶ Assembling: 2 hours with 10 people



- ▶ Weight: 80 kg
- ▶ Height: 9,5m
- ▶ Cost: \$1000
- ▶ Maintenance: easy to be maintained, cleaned and repaired



WARKKA WATER

Every drop counts

<http://www.warkawater.org>

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