

ECO-FRIENDLY - EFFECTIVE

ACCESIBLE IN VULNERABLE AREAS

ARIANA TERENCE, VALENTIN MAIOLO - ITUZAINGO, BUENOS AIRES - ARGENTINA

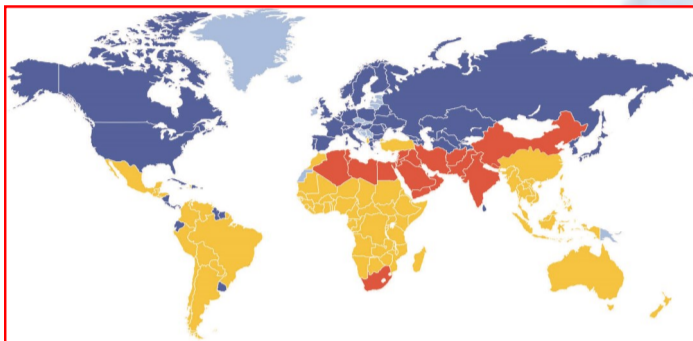


## ISSUE

**NO ACCESS TO DRINKING WATER IN ISOLATED AREAS**

According to the UNO, **4500 CHILDREN DIE EVERY DAY**

12% of the world population has **NO ACCESS** to safe water (yellow and red areas)



because of reasons related to the lack of access to **potable water**



## OBJECTIVE OF THE PROJECT

**OBTAINING DRINKING WATER FROM RIVER WATER**



Argentine rivers: SALADO, PARANA, etc.

## SOLUTION: USING SEEDS TO GET POTABLE WATER

### TREE: MORINGA OLEIFERA LAM

Origen southern HIMALAYA.

HIGHLY NUTRITIOUS and POLYFUNCTIONAL.



(Shown in the green areas of the map)



### FUNCTION OF THE SEED

**TO COAGULATE:** It neutralizes the negative charges of the river water.

**TO FLOCCULATE:** It binds the particles together forming flocs.



PART OF THE SEED USED: EMBRYO

## DISINFECTION: CHEMICAL OR PHYSICAL

### IMPLEMENTATION

-IN HOUSEHOLDS.

-IN THE FUTURE IN ARGENTINA:

Town of "EL CHORRO".

ABORIGIN PEOPLE IN THE AREA:

"WICHÍ".

POPULATION: 1900 people.

NEAR: "LA CAÑADA"

(natural water source)



### CONCLUSION

MORINGA OLEIFERA LAM:

**HIGHLY EFFECTIVE** and at a **LOW COST.**

EASY TO USE:

add seeds, mix, filter, disinfect and consume.

