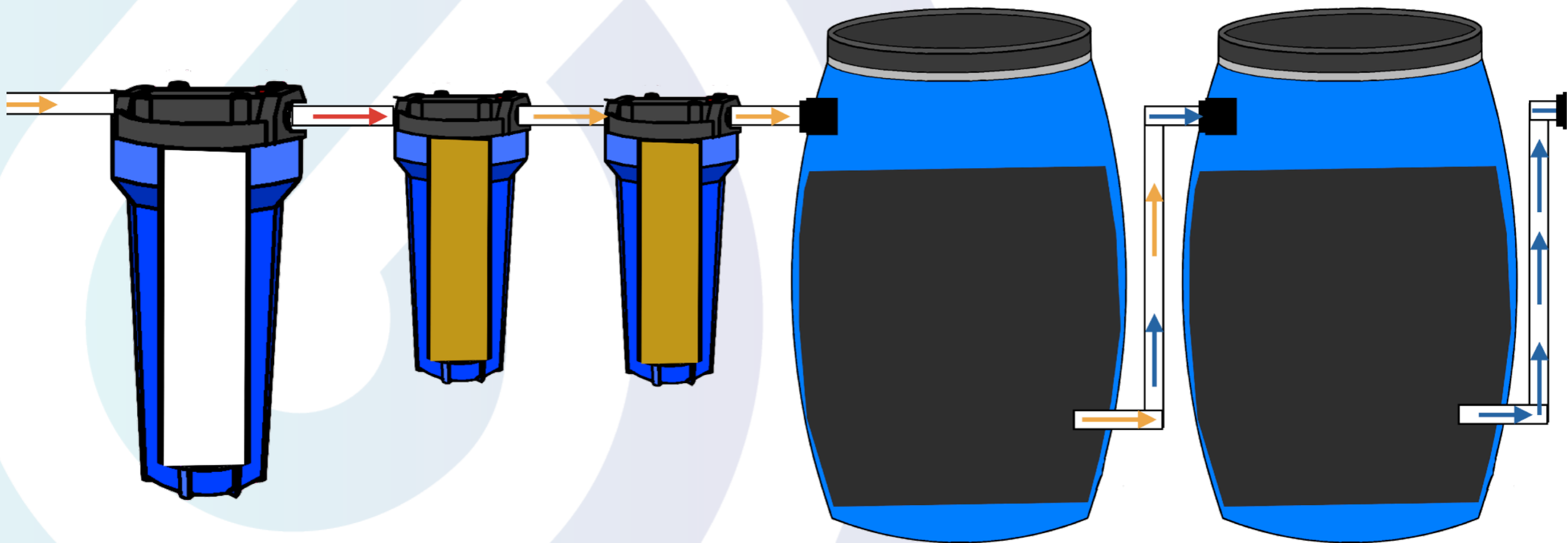
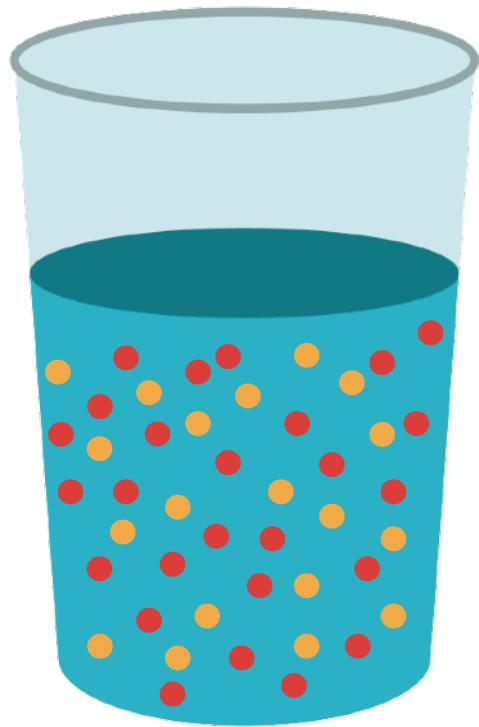




GROUNDWATER TREATMENT SYSTEM

To remove arsenic and fluoride from drinking water supplies





*Globally, upwards of **300 million people** are affected by arsenic and fluoride in their drinking water. Low-cost filters - that work under **real community water conditions** - simply do not exist.*



**HEALTHY
WATER**

GROUNDWATER TREATMENT SYSTEM

Camino de Agua - in collaboration with NC State University and Engineers Without Borders UK - has spent 4 years developing technical filtration media and treatment system to remove arsenic and fluoride from contaminated groundwater.



4 Prototype Systems

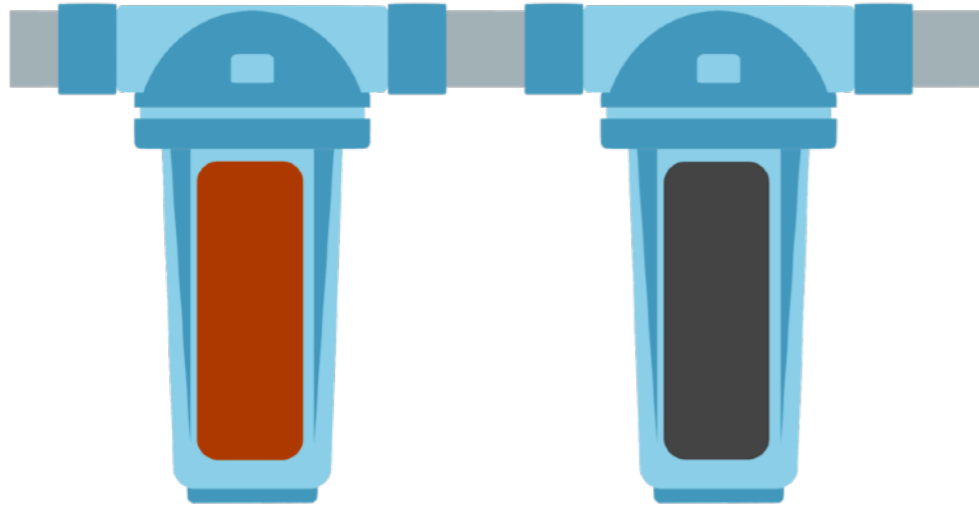
9 Full-Scale Trials

**15,000+ Hours
Invested**

**Real Community Water
Conditions
(8.5 mg/L F & $63 \mu\text{g/L As}$)**



LAB TRIALS



ADVANCES

IN-HOUSE FLUORIDE MEDIA

COMMERCIAL ARSENIC MEDIA

IN-HOUSE ARSENIC MEDIA

DESIGN OF PILOT SYSTEM

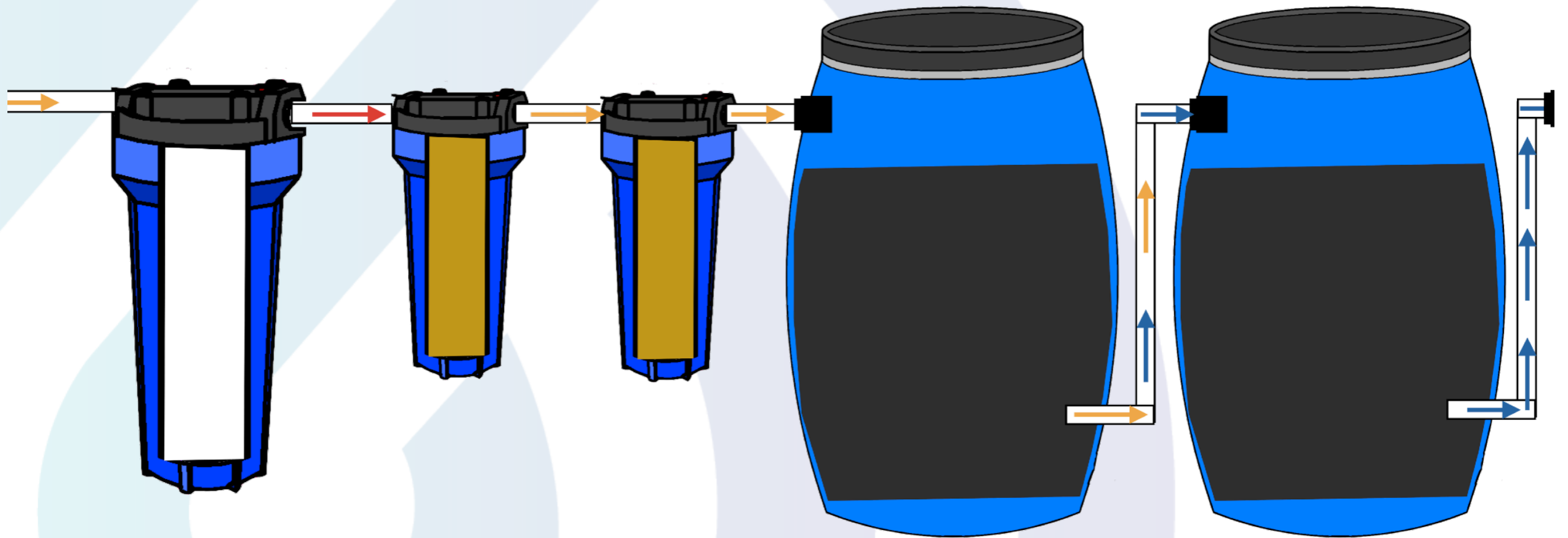
INSTALLATION OF COMMUNITY PILOT SYSTEM

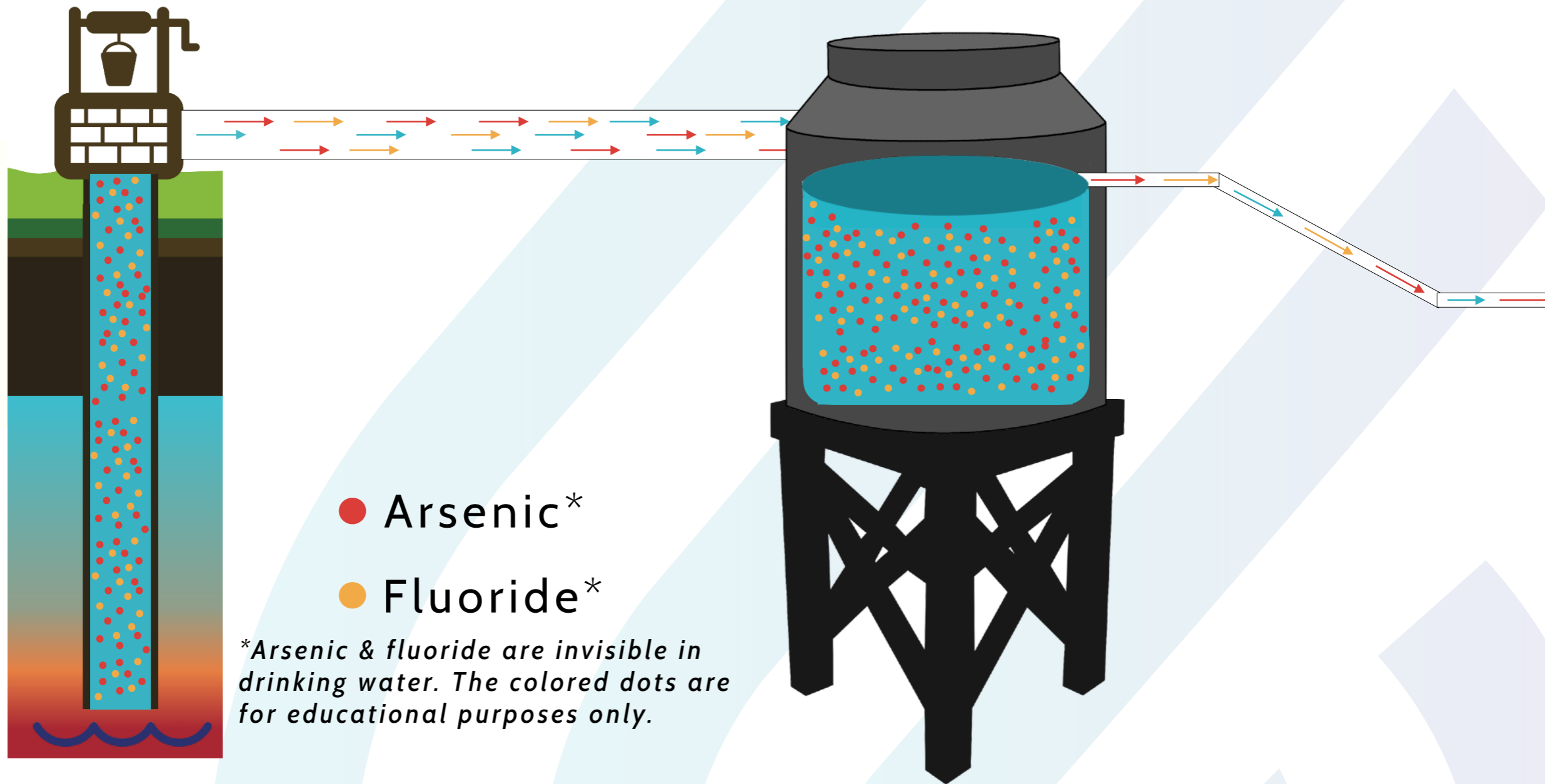


TECHNICAL ADVANCES

GROUNDWATER TREATMENT SYSTEM

How the system works...





● Arsenic*

● Fluoride*

**Arsenic & fluoride are invisible in drinking water. The colored dots are for educational purposes only.*

Community Well

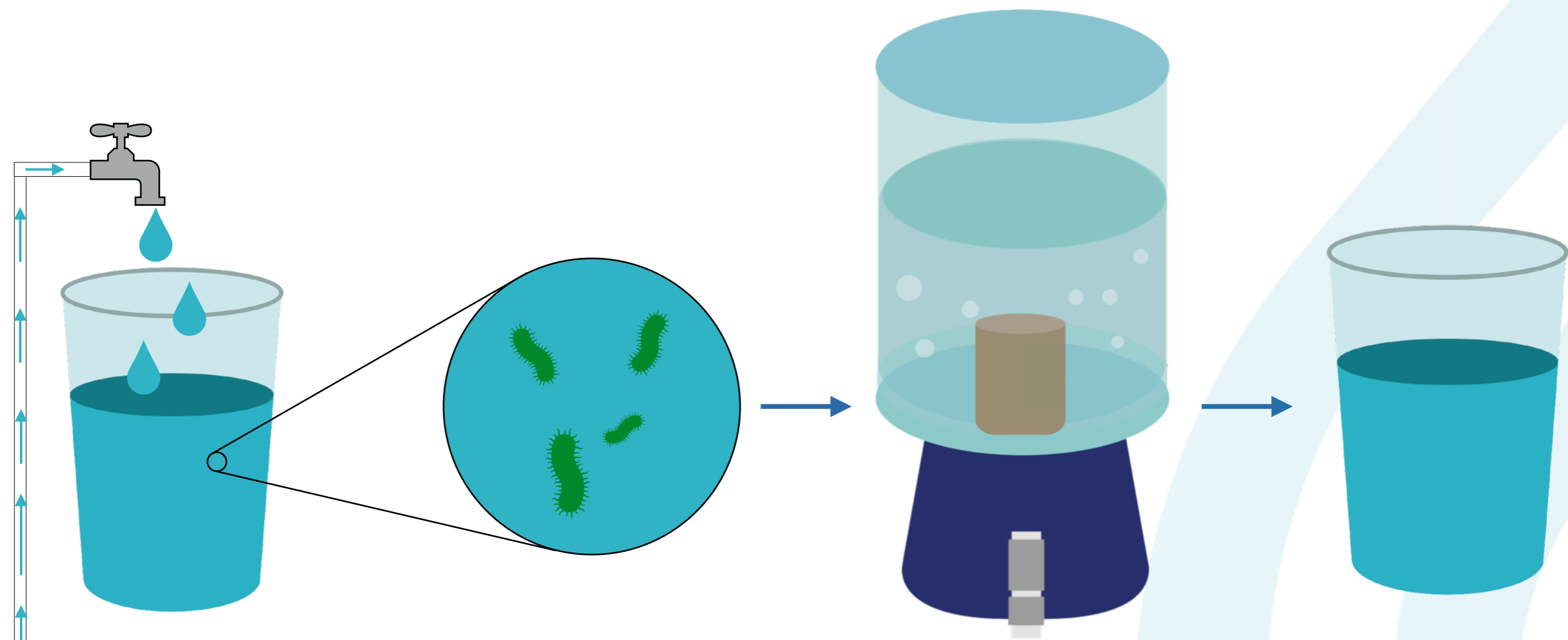
Contaminated with toxic levels of Arsenic and Fluoride

Elevated Pre-treatment Storage Tank

For gravity distribution into the Groundwater Treatment System



Sediment Filter	Lead-Lag Bayoxide Contactors	Lead-Lag Bone Char Contactors	Post-treatment Storage Tank
Removes particulates	Arsenic removal	Fluoride removal	Ready for distribution



Community Water Tap(s)	Biological Contamination	Ceramic Filter	Safe, Healthy Drinking Water
To collect water free of arsenic and fluoride and distribute it to homes	Cross-contaminating the water with Bacterias (pathogens) is possible. Treat your water prior to consumption.	To eliminate biological pathogens. One filter should be placed in each user's home	Water free of arsenic, fluoride, and biological pathogens. Water suitable for human consumption.



+52 1 415-154-8091

info@caminoseagua.org

www.caminosdeagua.org