



openversum

We empower communities to turn dirty water into **clean water**

Combining engineering and
microfranchising for a better world.

See how [here](#)



4.5 BILLION

still lack access to safe & affordable drinking water



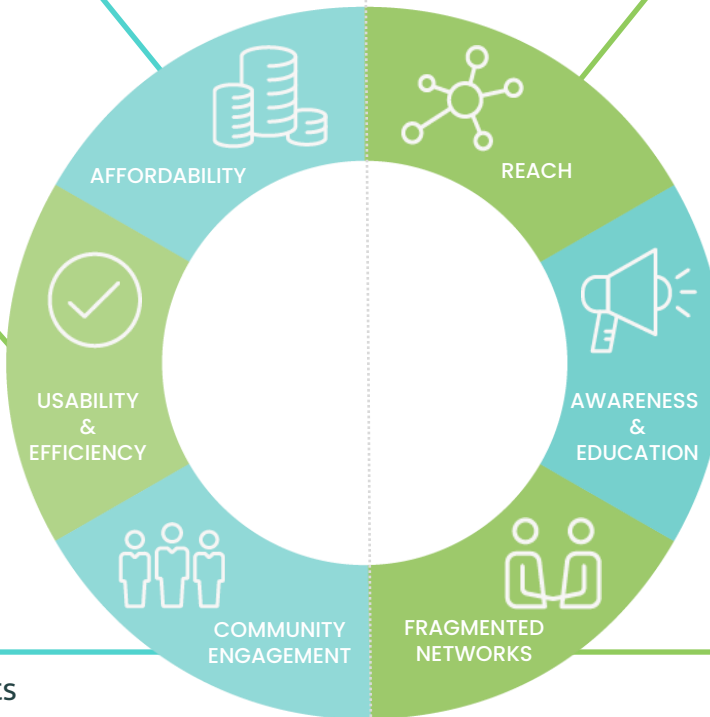
Why? Current technologies face...

Product barriers

- High investment cost
- High running cost

- Time consuming solutions
- Not effective technologies
- Not adapted to rural conditions

- Mismatch with culture & personal habits
- Lack of ownership
- Unpleasant taste (e.g. chlorine)



Implementation barriers

- Rural areas hardly accessible
- Infrastructure not available
- Not resilient supply chains

- No awareness of existing problem
- No knowledge of existing solutions
- Lack of local maintenance expertise

- Isolated efforts
- Lack of integrated support systems



**We provide sustainable water
purification technology scaled
through digitized entrepreneurship.**

Openversum

Cutting-edge drinking water filter...



- Pre-filter: activated carbon, adsorbent granulates
- Membrane (200nm pores)

2x12.5L buckets
Dimensions: 67cm height,
28cm diameter, weight: 2kg

Patented membrane manufacturing process

- 5x lower production costs
- Environment-friendly production (solvent-free)
- Potential to use biodegradable polymers

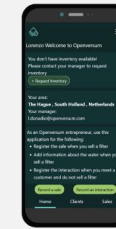
High filter efficiency

- >99.99999% removal of pathogens, micropollutants, >99% removal of heavy metals
- Fast (>10L/h) and stable long-term performance (8-12 months)
- No energy needed

Customer-centric design

- Local manufacturing
- Improved water taste & colour
- Price: 195'000 COP, average maintenance 10'000 COP/month

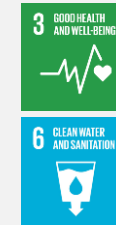
... distributed through microfranchising



We equip female water entrepreneurs with a **business blueprint**: water knowledge, materials and **digital tools** to assemble filters and sell them through successful **micro-businesses** in **rural** areas. By 2027 worldwide* ...



+1,900 direct **jobs**
+6,400 indirect jobs



+2,400,000
improved **lives**



+550,000 tons
CO₂ avoided



Sustainable
communities

*low estimate based off sales through microfranchisees only



Competitive, faster, and more effective

	Price (CHF)	Bacteria removal	Pesticides removal	Heavy metals removal	Flow rate	Transportability	Cleaning required
Openversum (25L)	40	99.99999%	Yes	Yes	>10 L/h	High	Low
Ecofiltro (20L)	40	99.99%	No	-	1-2 L/h	Medium	Medium
Ecotrade (24L)	55	99.9%	No	No	2-4 L/h	Medium	High
Purifaaya (30L)	45	99.99%	No	No	2 – 5 L/h	Low	Medium
Nazava (32L)	30	99.99%	Yes	No	2-3 L/h	Low	Medium

Competitors considered: point of use treatment requiring no energy to operate and including safe storage. Decentralized systems that require filling a container with cleaned water pose the risk of recontamination before consumption and are excluded (e.g: water kiosks, Swiss Fresh Water...). Sources: UNICEF Household Water Treatment Filters Product Guide, competitors' websites.



IP: Solvent-free membrane production

Novel membrane manufacturing process

- Low production costs (5x cheaper than commercial products)
- Environment-friendly production (solvent-free)
- Using non-specialized machinery

Potential

- Versatility in polymer choice – such as biodegradable ones
- Versatility in pore size and therefore membrane application (wastewater, drinking water, desal...)





Microentrepreneurship for distribution, O&M



Scalable



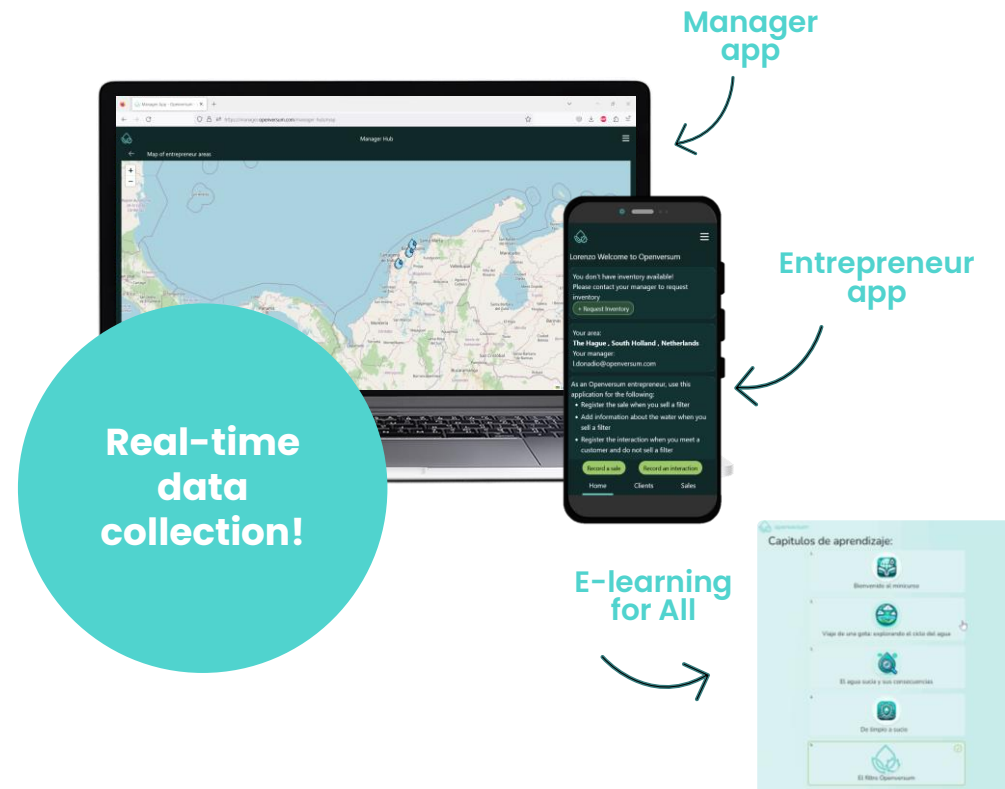
Real-time
sales
monitoring

Sustainable

Grassroot

Microfranchising digital twin

Our secret sauce to **scale!** Highly adaptable and replicable, our apps allow entrepreneurs and managers to run operations. As they do, their **impact** is **monitored**. Our e-learning platform fosters widespread adoption. Our apps allow seamless integration of new technologies, **facilitating** their **market entry** in emerging settings while gathering extensive **customer data**.





Ground-proofed business model

... and we are on the ground again!

+500
People
served

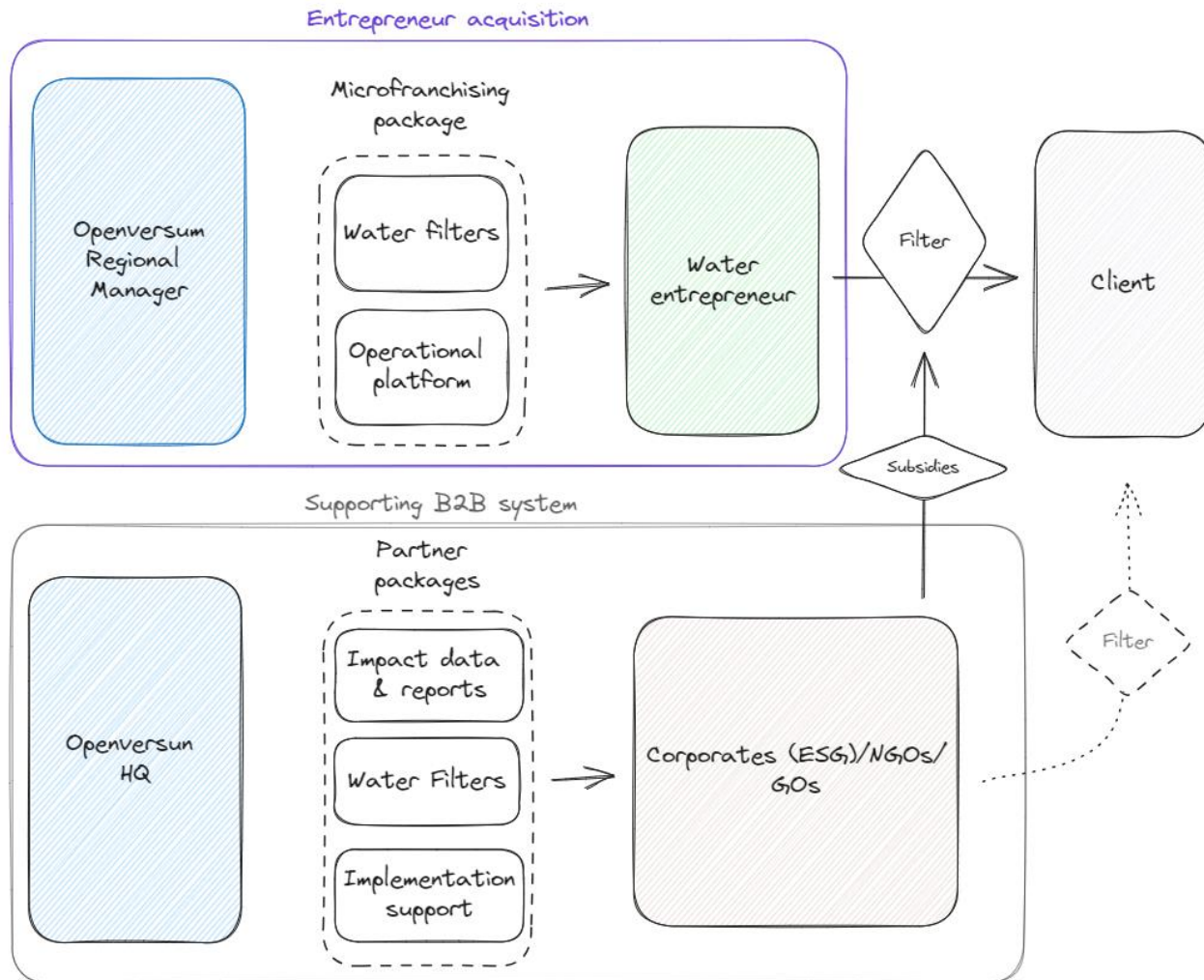
+20
Entrepreneurs
trained

2
Pilots
(CO/EC)



Business model

Unified customer concept amplified through partnerships



Invest in the future of safe water

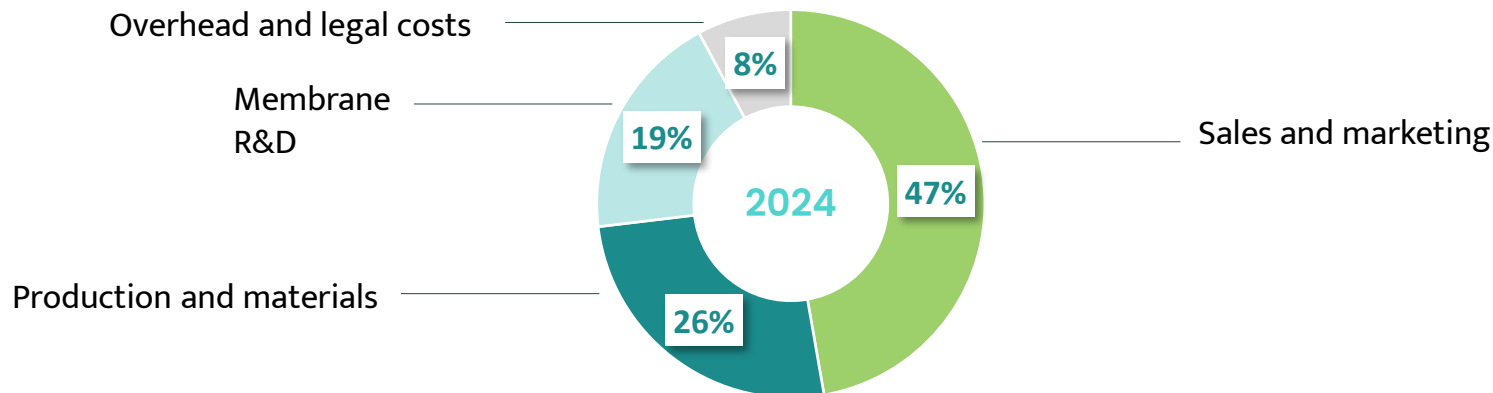
Raised funds 1'243'000 CHF

- CHF 345.000 nondilutive funding from 10 Grants & Awards
 - CHF 500.000 nondilutive from REPIC (over 2 years)
 - CHF 30.000 Founder's investments
 - CHF 270'000 convertible loan
- (and CHF 150'000 CHF from GIZ to support operational partner in Uganda)*



Funding ask 1'100'000 CHF

- Open investment round until **February 2025**
- Runway for commercial pilot in **Colombia** + pilot in **Uganda** with *GIZ*, membrane tech scale up

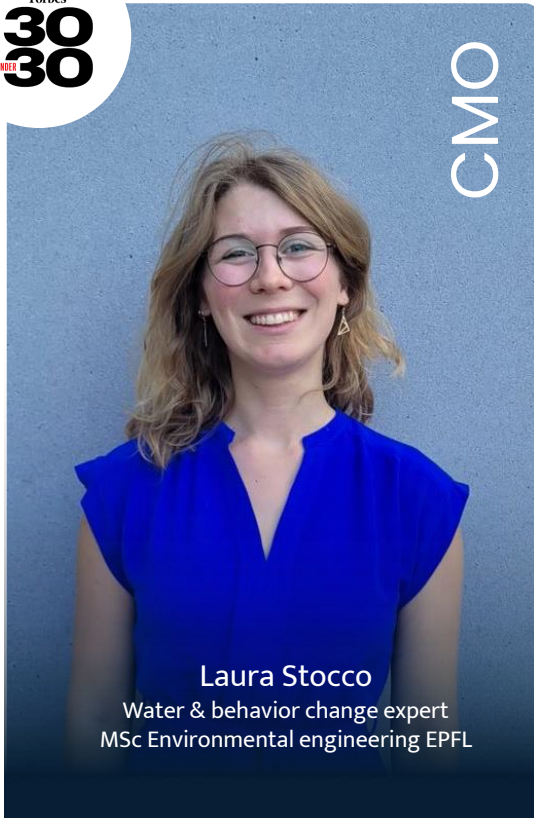


Swiss-Colombian Team

Engineers with heart

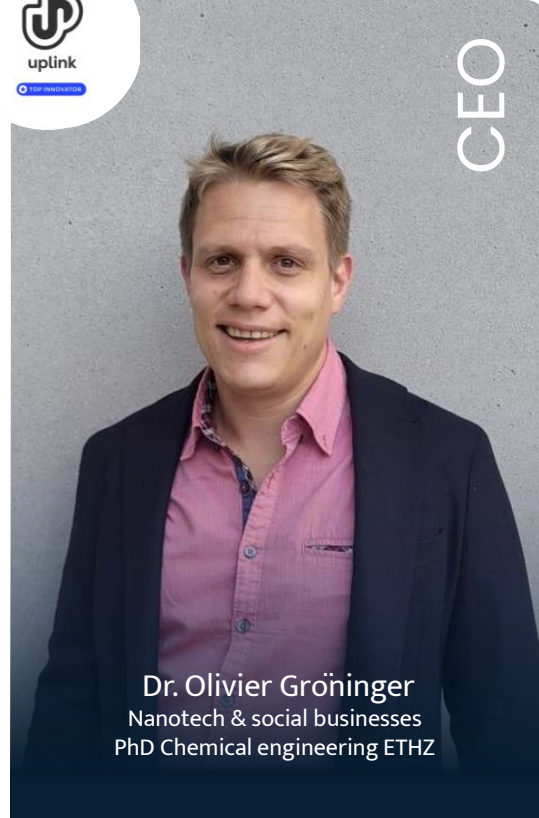
Forbes
**30
30**

CMO



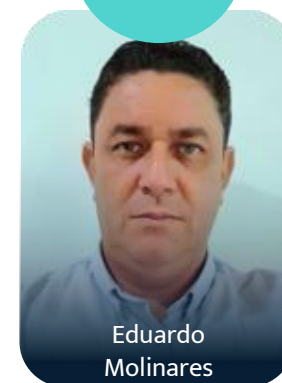
uplink
FOR RESPONSIBLE

CEO

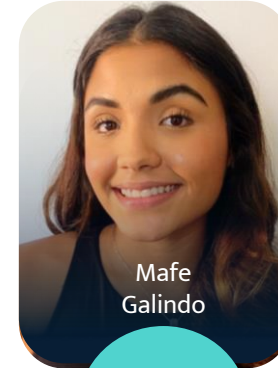


Yesenia Carillo
Valerio

Country
managers

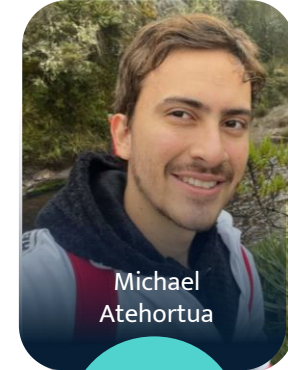


Eduardo
Molinares



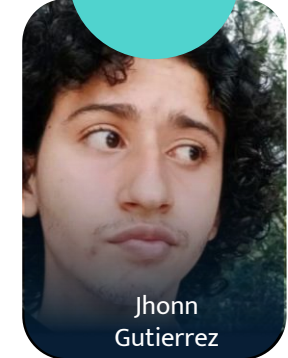
Mafe
Galindo

Community
manager



Michael
Atehortua

Developing
team



Jhonn
Gutierrez



We create value together

+8 dedicated advisors

HCL
uplink
Forbes
30 UNDER 30
reckitt
SWITZERLAND INNOVATION
W.A. DE VIGIER STIFTUNG
TOP 10 2023
>>venture>>
SWISS WATER PARTNERSHIP
VENTURE KICK
ETH Zurich Together for the SDGs
TOGETHER WE'RE BETTER

Awards & Grants

Cruz Roja Colombiana Seccional Sucre
RIOS
giz Deutsche Gesellschaft für Internationale Zusammenarbeit (GIZ) GmbH
getwater Uganda
TIERRA grata

Partners

Spin-off | ETH zürich
REPIC
Schweizerische Eidgenossenschaft
Confédération suisse
Confederazione Svizzera
Confederaziun svizra
State Secretariat for Economic Affairs SECO
Swiss Agency for Development and Cooperation SDC
Federal Office for the Environment FOEN
Swiss Federal Office of Energy SFOE
Schweizerische Eidgenossenschaft
Confédération suisse
Confederazione Svizzera
Confederaziun svizra
Swiss Agency for Development and Cooperation SDC

Governments & Universities

Microsoft For Startups
hansgrohe
MC MASSCHALLENGE SWITZERLAND
Green ACCELERATOR Davos
Black Forest Accelerator
seif DRIVING IMPACT INNOVATION
HULT PRIZE

Programs

We can act now. Join us in ensuring safe drinking water for all.

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