



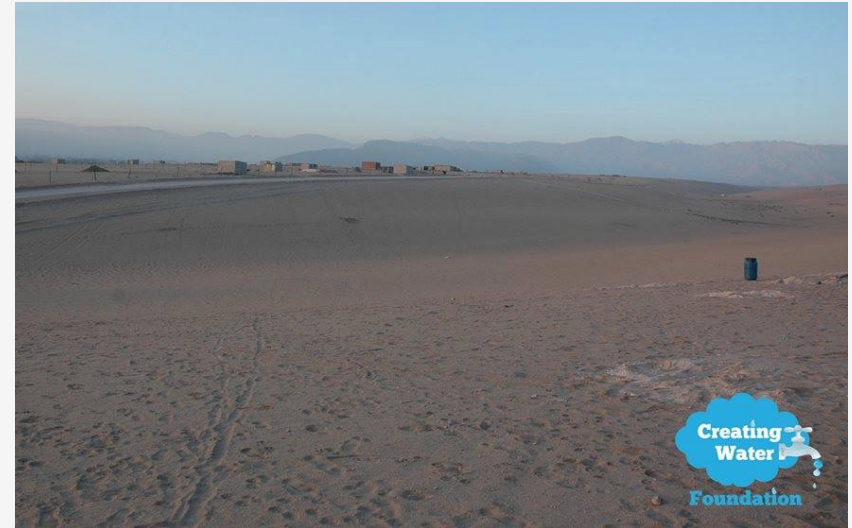
# Creating Water Foundation & SERVANT LEADERSHIP

Daniel Meeboer  
Neal Willard



# Water problems in Peru

- Coastal areas
- Extremely dry: precipitation **20mm/year**
- Not connected to water infrastructure
- Current solution: truck network (2 million people!)
- Extreme growth Lima: 10 million inhabitants



# Daily water problems

- Extreme costs for water
- Irregular truck-delivery
- Water quality
- Water shortage for daily needs
- No opportunity for agriculture



# Our solution

## FOGCATCHERS

- Wooden structure
  - Polypropylene mesh
  - Gutter catches water
1. **Fog:** 7-8 months/per year (Lima)  
= alternative water supply
  2. **Install** fogcatchers
  3. **Wind:** transports fog through mesh, water drops stay behind
  4. **Gravity:** waterdrops are collect
  5. **Waterstorage:** drinking, agriculture



# Fogcatchers: Pro's & Cons

## Pro

- Low-tech
- Cheap
- Locally available
- Sustainable
- Global implementation

## Con

- Small/medium scale use
- Depending on climate
- Depending on season



# Project realization

1. **Partner** with local NGO
2. **Create plan** with NGO & community.
3. **CWF** invests in material and education.
4. **Local NGO & community:** manual labour, maintenance and monitoring
5. **Improving the concept together**



# Project realization



# Right vs Best solution

“The ‘best’ solution is not always the right solution”



<https://www.youtube.com/watch?v=h8rQ5aHAnuE>





# Discussion Statement 1

1. When do you make sufficient impact to call yourself a social entrepreneur, when are you successful?

**Are you a social entrepreneur by choice of work and business model?**

**Success is different for everybody, the question is what is the most important form of success for your organization.**

On the one hand	Whilst on the other hand..
We can be successful by helping 500 people in reality by building fogcatchers and capturing water.	Sharing and spreading the knowledge and giving people the tools to make a change, we can empower more people.
You can have helping people as a goal of the organization	You can help people in the process of making products in a for profit business.

# Discussion Statement 2

2. The ability to safeguard the continuity/sustainability of a societal engaged organization needs to be in the DNA of it's leader

**The role of a leader is less important when people work for your organization for different reasons than money.**

On the one hand	Whilst on the other hand..
People will logically be more motivated to work if they actually contribute and believe in the cause.	Strong and passionate leadership can be more effective in safeguarding the sustainability .

# Discussion Statement 3

3. The biggest challenge for societal engaged leaders is to understand the benefits/needs of the local community and diminish your 'western' assumptions.

With the choices we make regarding our concept, design and materials we serve the community and the people using it, we're not just creating the best possible solution.

On the one hand	Whilst on the other hand..
We can choose a low tech solution that requires less technical knowledge with lower start up costs but captures less water.	We can choose a more technological advanced solution that is more efficient but expensive and not easy to maintain.
Easy to maintain, expand for local community.	Higher direct return, but sustainable long term?