



Centro UC
Desierto de Atacama

Lessons learned about Fog as Freshwater resource



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WASSERSTIFTUNG®
WATER FOUNDATION



FogNet Alliance

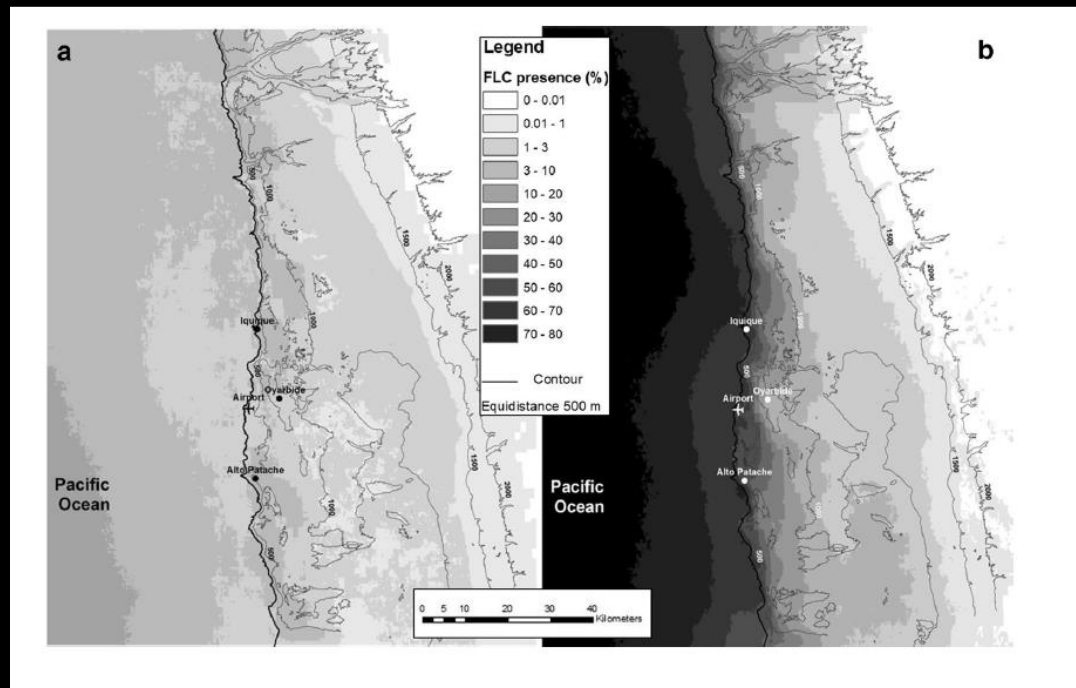
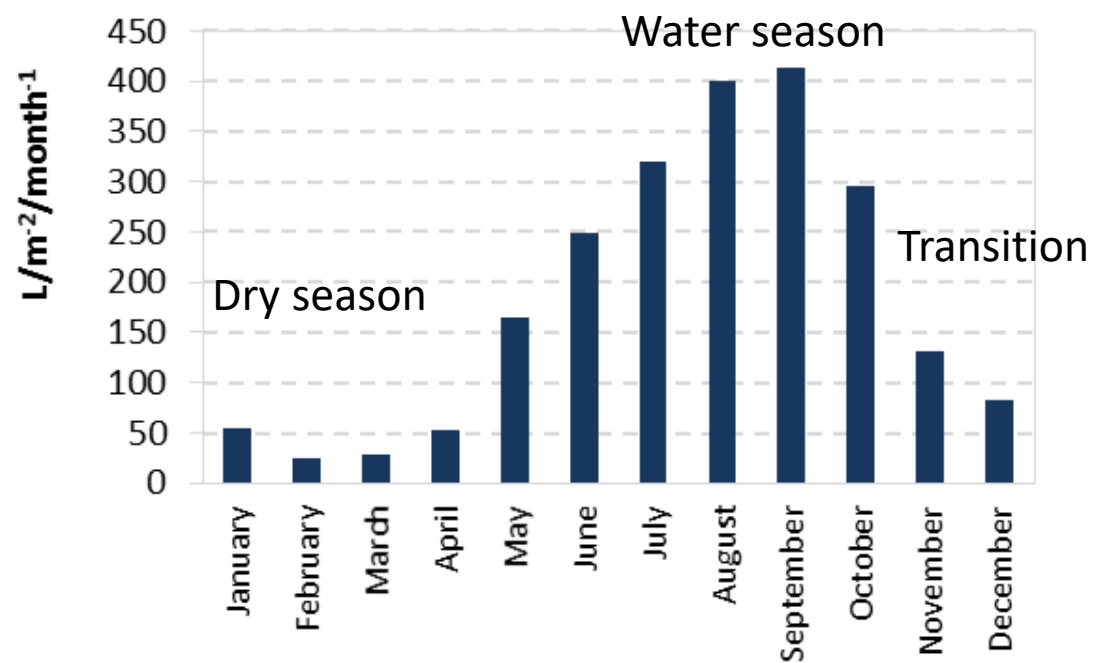


**Munich Re
Foundation**

Science did the job producing knowledge about:

- Where is the fog we need
- When is the right one, seasonality and daily behavior
- How much water we can get from a Standard Fog Collector (SFC)
- Coastal Atacama is an average of: 5 L/m²/ day (SFC)





Successful projects

Chungungo Chile: 10 year of water from Fog for 600 people



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Successful projects

Guatemala Tojquia: 15 years water from Fog; 8000 liters a day.



Successful projects

Alto Patache: 20 years of water for education, research and conservation



¿Why is not full of Large Fog Collectors?



To produce water is a serious activity

Common sources:

- Rivers
- Underground water
- Disalination from salty water

Infrastructure needed:

- Pipeline
- Pumps
- Potabilization plants

All them are in a industrial scale

All them are into a public policy framework

All them are managed by a company
(public or private)

Other sources:

- Springs
- Rain
- Fog

Infrastructure needed:

- Pipeline
- Fog or rain collector in this case
- Potabilization process

A critical aspect is to consider Fog Water as a formal source, under a public policy framework

Site selection

Is critical, because behind the action there is a HOPE

So, as any water supply initiative, should be a serious prospection

Fog water is NOT everywhere and every time

BAD forecasting of water availability end in a damage in the trustability of the fog as water resource



People and Community



Gender

Skills



Education



Organization

Technology: ¿what we expect?



Technology: ¿what we expect?

Low price
Local materials
Short life
Just to show it ...
Other ...



My opinion.....

Not very low price but attractive and feasible
Trustability and long lasting
Low and easy maintenance
¿spare parts?



Government role in a Fog water policy



Muchas graciasii
Thank youii
Danke shönii

