The role of companies in building resilient cities amidst natural resource constraints

Aguascalientes Waterfund Project

August 16st, Lille
World Forum
Veolia and Resilient Cities

Why do we speak about resilient cities?

**SHOCKS**
- Natural Disasters
- Terrorist Attacks
- Pandemics
- Human-caused environmental disasters

**& STRESSES**
- Aging infrastructures
- Urbanization
- Conflicts over resources and shortages
- Greenhouse gas
- Air pollution
- Constant regulatory and normative solution
Aguascalientes – Mexico
A growing metropolitan area in a resource-stressed landscape

UNDERGROUND WATER RESOURCES OF THE STATE OF AGUASCALIENTES, SHOWING THE AQUIFERS SUPPLYING AGUASCALIENTES CITY (Livelihoods adaptation FROM PRO-NATURA AND TNC, 2017)
If we consider the estimated actual groundwater withdrawals (and not the authorized volumes), 280.6 Mm$^3$/year (= 32 010 m$^3$/h) need to be saved.
Aguascalientes – Mexico

Aguascalientes state

City of Aguascalientes
Joining forces to better understand

THE NATURE CONSERVANCY – OUR PRIORITIES

Protect Land and Nature
Joining forces to better understand - TNC

Water Funds around the world
The Water Fund model is being replicated in diverse, global geographies.

GLOBAL RESULTS
11 COUNTRIES
35 WATER FUNDS CREATED
+200 STRATEGIC ALLIES FROM PRIVATE, PUBLIC AND CIVIL SECTORS

WATER FUNDS CREATED    WATER FUNDS TO BE CREATED
Shaping Water Fund at regional scale

CONTRIBUTE TO SUSTAINABLE SOLUTIONS THROUGH A WATER FUND

Action on WATER SUPPLY

Focus on WATER FLOWS & HYDROLOGICAL DYNAMICS

IMPROVING WATER YIELDS THROUGH CONSERVATION ACTIONS

IMPROVE WW TREATMENT & DEVELOP REUSE

Action on WATER DEMAND

>> Reducing water consumption

Focus on AGRICULTURE, the largest water user in the state

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Prefigure the water fund actions by testing