



Presentation from  
**2016 World Water  
Week in Stockholm**

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# Manos al agua

## Intelligent Water Mgmt in Colombia's coffee sector



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# The Nestlé Water Stewardship Ladder



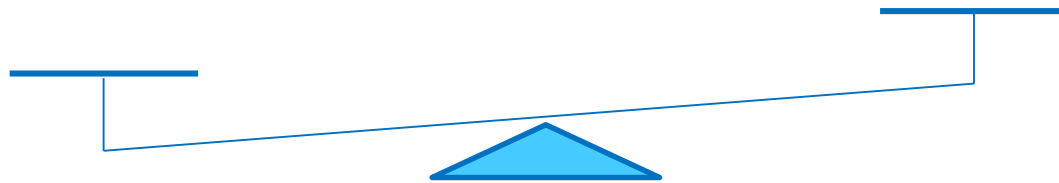
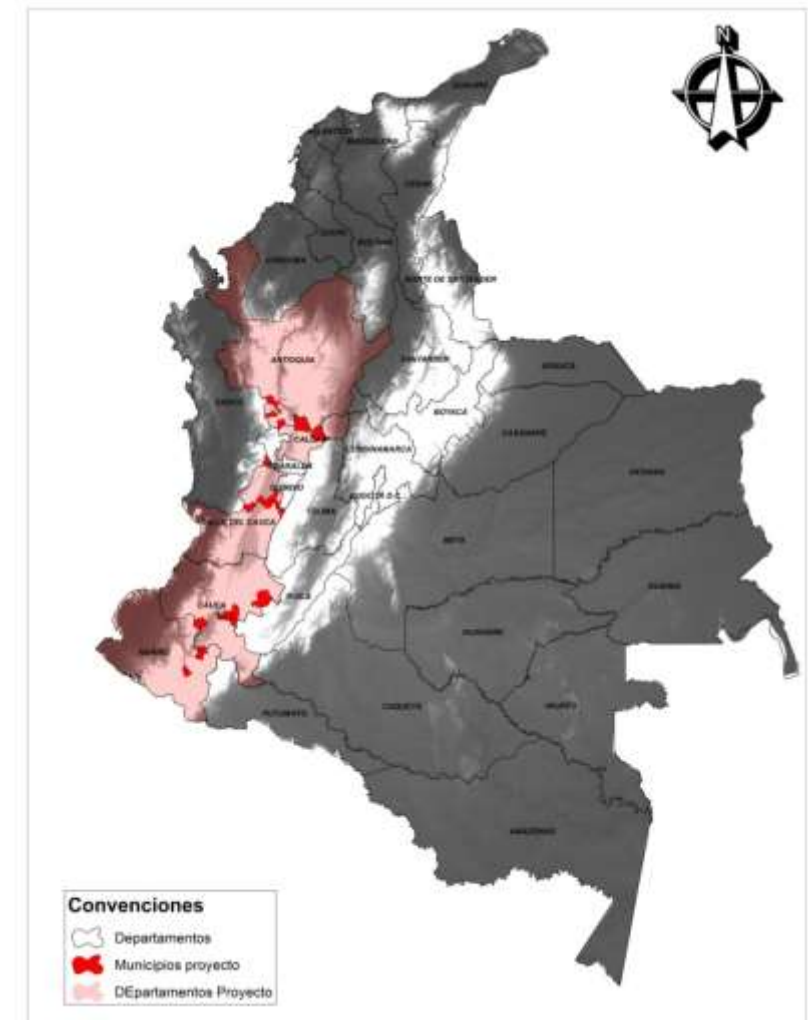
# Water excess/shortages in the Colombian coffee sector

## Water Shortages

- Loss of 1/3 of water available per person per year in the last 20 years.
- 23% of the population has problems of access to water in dry years.
- High risk of drought during the next El Niño phenomenon.
- +5% yield decrease on agricultural activities.

## Water Excess

- Rain season 2010/11 was the strongest since 60 years, because of La Niña phenomenon.
- 6.7% of the population affected by rain effects in 28 departments.
- Loss of nearly 1 million hectares by landslides and floods in 2011.
- Fall to 30% of coffee revenues for lower yields and Roya fungus.



# “Manos al agua” collective action



**Water for Sustainable Farming**

**Clean technologies**

Training and technical assistance for intelligent water use in the farms

Installation clean technologies in the farms

Design of a financial mechanism for water management in the farms




**Water Strategic Ecosystems**

**Healthy Ecosystems**

Bio-engineering for recovery of soil and watersheds

Forest management for conservation of watersheds and biodiversity



**Water Responsible Decision Making**

**Knowledge generation**

Design and implementation of an integrated water monitoring system in the area

Measurement of hydro-climate indicators

Measurement of coffee water footprint



**Water is Everybody's Business**

**Cooperation/participation**

Generation of new PPPs for sustainability

Community participation and good governance

Diffusion of the intelligent water management model

# “Manos al agua” impact

- Poverty reduction
- Capacity building
- Environmental protection
- Partnership building

- 11.000 coffee growers directly impacted
- 25 River Basins in 25 Municipalities of 5 departments.
- 25 million euro investment over five years
- 150.000 ha of river basins in focus
- 500.000 watershed users have access to better water quality and quantity
- 1.650 water solutions in place
- 25 Water and Climate monitoring stations
- 90 ha of land under bio-engineering and reforestation
- 50 key institutions integrated in a Water & Coffee Platform
- 25 River Basins Management and Organization Plans (POMCA) in place



# Questions



## Manos al agua Intelligent Water Mgmt in Colombia's coffee sector

