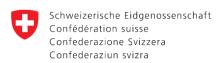


A public-private partnership implementing corporate water stewardship in Colombia, Peru, Chile, Brasil and Mexico

www.elaguanosune.org









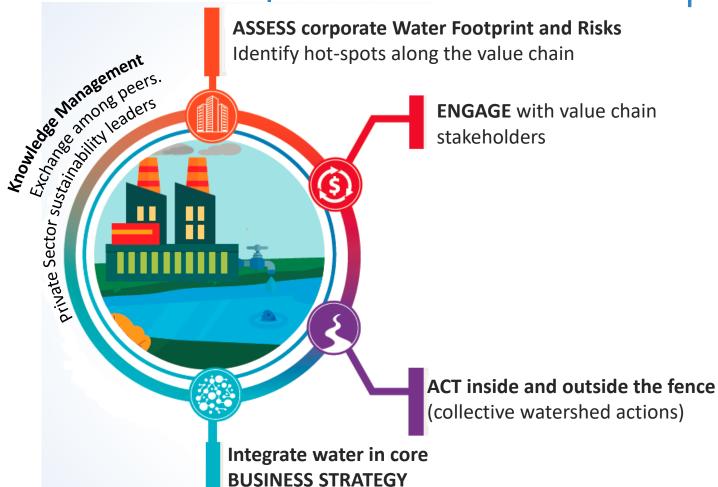




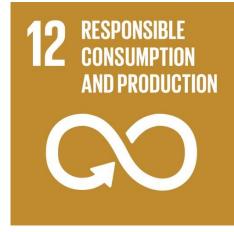
Swiss Agency for Development and Cooperation SDC



Advance in corporate water stewardship

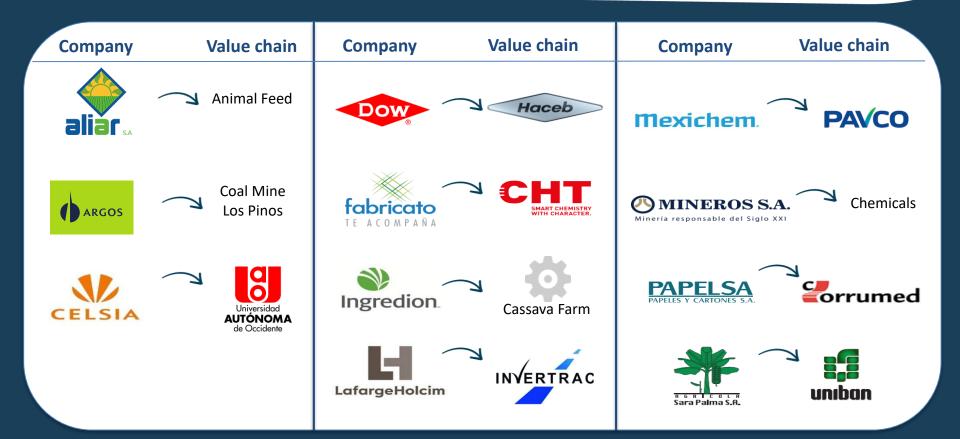


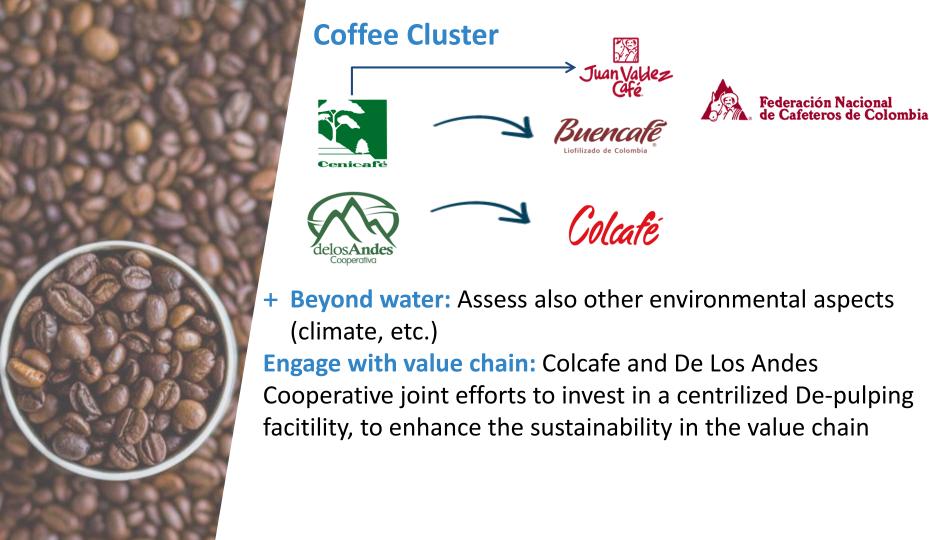




Engage along the value chain

15+ companies work together with their suppliers and/or costumers on water actions

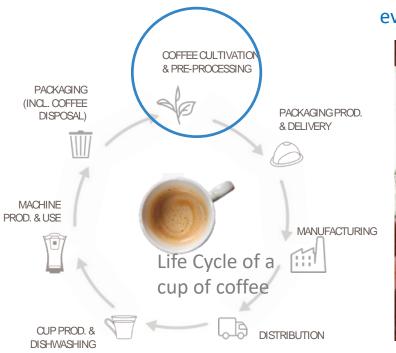




Value chain actions – focus

HOT SPOT (among others) water withdrawal and pollution

Based on water footprinting (ISO 14046) and water risk assessment



Pulp is a solid waste that requires a proper composting process in every farm. Often is left in the field.



- Coffee growing generates more than 800.000 jobs in Colombia (typically small-holders)
- Coffee plantations are generally not irrigated.
- Most smallholders have their own depulping plant (mainly wet process),
 which is typically not very efficient and
 water is not treated (40 m3/ton dpc
 and High organic matter in the
 wastewater)

Value chain actions – propose change



Roast ,Ground, Soluble and Extract Coffee Producer **23.000 Ton/year**

PROPOSITION

CENTRALIZED DE-PULPING



DRIVERS

- Engage with Farmers
- Enhance sustainability in value chain hot spot.
- Increase income and cash flow for farmers
- Less investment in small farm de-pulping upgrading
- Increase coffee quality
- Increase productivity, less rejects

Value chain actions - implement

Actions

ESTABLISH ASSOCIATION



3500 ASSOCIATES wich 1080 are women and 233 are head of family

- Coffee Grower Average age:55 yr
- Average farm: 2,7 Ha
- De los Andes and Colcafe pays an extra fee 14USD/ 125 Kg cherry coffee.
- Before: 45 days to get income of harvest
- Now: 1 day to get paid after harvest

BUILD FACILITY



- Attends 612 families
- Capacity 750 Ton dpc
- Coffee Cisco for drying
- 4 rotative dryers +1 static dryer using coffee chaft as biofuel.

INTERMEDIATE RESULTS (water related)

- √ 79% reduction on de-pulping water use from 30 m3/t to 6,3 m3/t dpc
- ✓ Treatment of 37.680 m³ wastewater /year
- ✓ Expected reduction of at least 11,500 mg/L in the COD.
- ✓ Coal for drying was elimininated
- ✓ Farmers cost reduced at 80USD/t dpc
- ✓ Farmers have more time because they don't have to de-pulp and wash the coffee.
- ✓ Colcafe expect to achieve savings equivalent to USD 147,138.56 in 2017 and USD 166,666.67 in 2018 in income taxes.

Value chain actions – share it with the community



http://www.delosandescooperativa.com/2015-06-04-19-39-06/centrales-de-beneficios.html



World Map

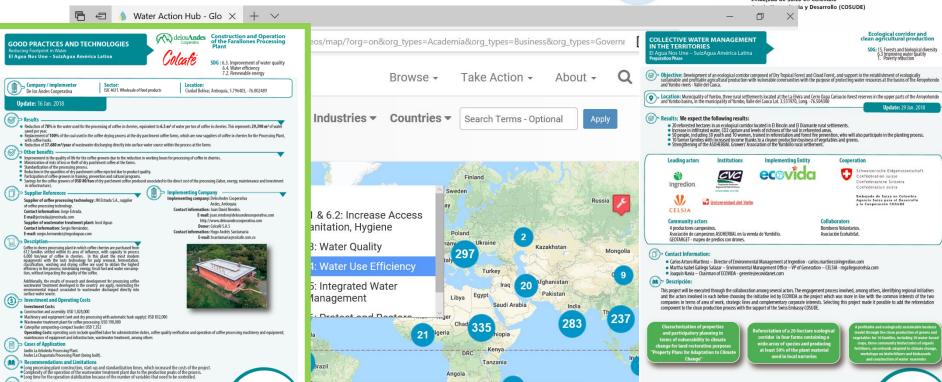
The CEO Water Mandate



Map d



Embaiada de Suiza en Colombia



Organization

Industries' stories from the field



- 1. Mr. Scott Miller, Newmont, United States
- 2. Ruth Thomas, Global Agribusiness Alliance, United Kingdom
- 3. Li Gang, Sinopec Beijing Yanshan Petrochemical Company and Mr. Arnaud Penverne, Veolia, China
- 4. Mr. Sekhar Rayaprolu, Western Coalfields Limited, India
- 5. Dr. Paola Vasquez, Autonoma de Occidente University, Colombia
- Mr. Carlos Toro, Colombia National Cleaner Production Center, Colombia

Livestreaming: https://www.facebook.com/SIWIwater https://vimeo.com/siwi







