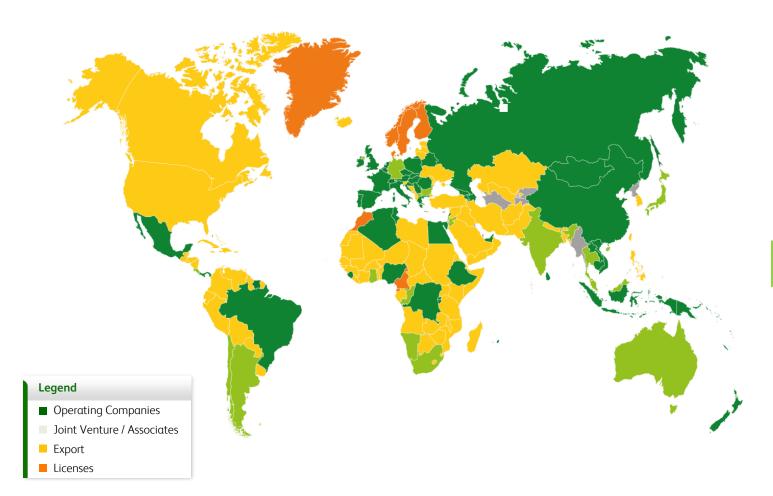
## SUSTAINABLE BEER

Jan-Willem Vosmeer – Manager CSR World Water Week, Stockholm 30 August 2017 Session 3: Circular Economies in the Industry Sector







**70+**COUNTRIES

**165** 

**BREWERIES** 

**250**<sub>+</sub>

**BRANDS** 

75,000+

**EMPLOYEES** 







#### Water consumption

HI/hl beer + cider + soft drinks + water

# 3.6 hl/hl

2016	3.6
2015	3.7
2014	3.9
2013	4.1
2012	4.2
2011	4.3
2010	4.5
2009	4.8
2008	5.0

# 28%

decrease in water consumption (hl/hl) compared with 2008

1,011

Olympic-sized pools – the equivalent of water we saved in 2016 compared to 2015

3.3 hl/hl

average water consumption in our breweries in water-stressed areas

**€13.5**m

saved through water efficiency since 2009



#### Production sites in water-stressed areas

We have been assessing water-related risks since 2010 and focus our immediate efforts on the 23 breweries in water-stressed areas. TUNISIA EGYPT\* Action Grombalia, Grombalia 2. El Obour, El Gouna. On hold KsarLemsa Sharkia New sites ETHOPIA\* Harar, Bedele SPAIN Madrid, Valencia, Sevilla, Jaen INDONESIA\* Tangerang, Sampang Agung MEXICO\* Monterrey, Guadalajara, Tecate, Toluca ALGERIA\* Rouiba NIGERIA\* Lagos, Ota, Ibadan, Ijebu Ode \* All countries except Spain and Tunisia are in scope of partnership with UNIDO.

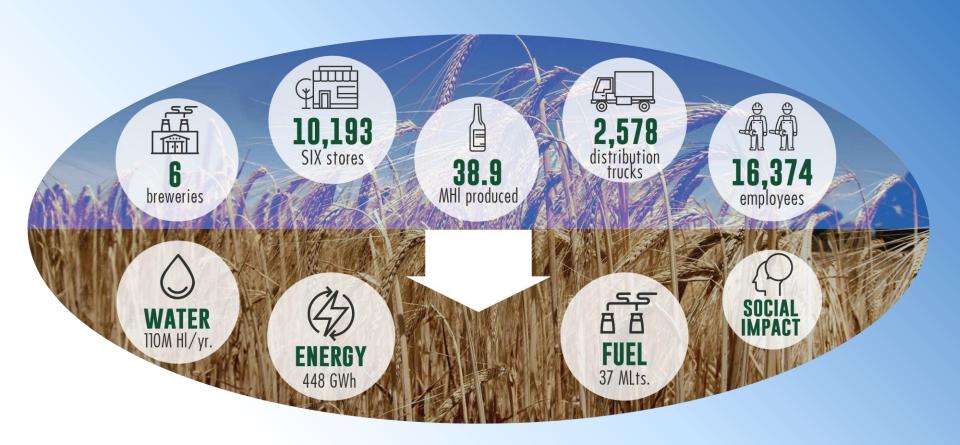
The 13 new sites with potential water risks identified are:

- 1 Stara Zogorka Bulgaria
- 2 Thessaloniki Greece
- 1 Lamia Greece
- O Patras Greece
- Massafra Italy
- Assemini Italy
- O Constanta Romania

- Sedibeng (Limpopo) South Africa
- O Navajoa Mexico
- D Hanoi Vietnam
- 1 Jiashan China
- Petaling Jaya Malaysia
- Ulaanbaatar Mongolia

#### **HEINEKEN MEXICO**

Footprint is big & growing

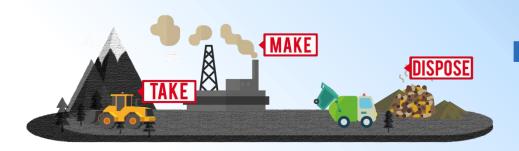


#### **CIRCULAR ECONOMY AS ORGANISING PRINCIPLE**

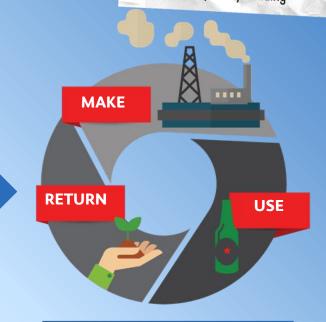
HEINEKEN Mexico first Latin American CE100 member







CE self-assessment, 3 year transition plan, capability building



Linear Economy

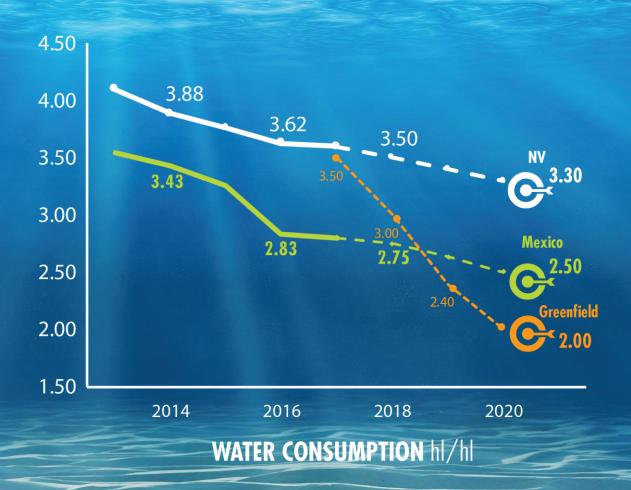
Circular Economy



#### **OPERATIONS: ZERO WASTE TO LANDFILL**







### **MEOQUI: THE GREENEST GREENFIELD**

Water & Energy



#### **WATER BALANCING: > 2 MILLION M3 IN 2020 IN MEXICO**



Wetland Las Arenitas 5,213,340 HI

Total cost: 1.1 M€

#### **MONTERREY**

Waterfund Reforestation of 1.3M trees 11,555,350 HI Total cost: 3.3 M€

#### TOLUCA/GUADALAJARA

Waterfund Conservation Agriculture Reforestation of 300K trees **7,929,900 HI** Total cost: **0.5 M**€

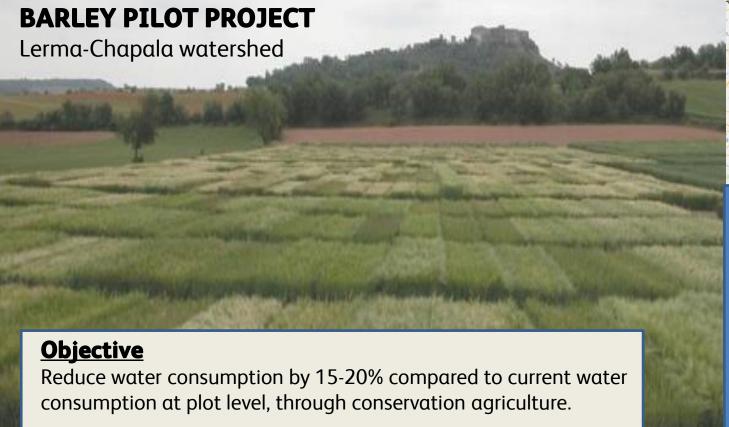
The Nature Conservancy

Protecting nature. Preserving life.

#### **EXAMPLE: REFORESTATION IN CUMBRES NATIONAL PARK**



By end of 2016, 259 ha reforested at a density of 1,000 seedlings per ha



(The International Maize and Wheat Improvement Center)

In conjunction with **CIMMYT** 

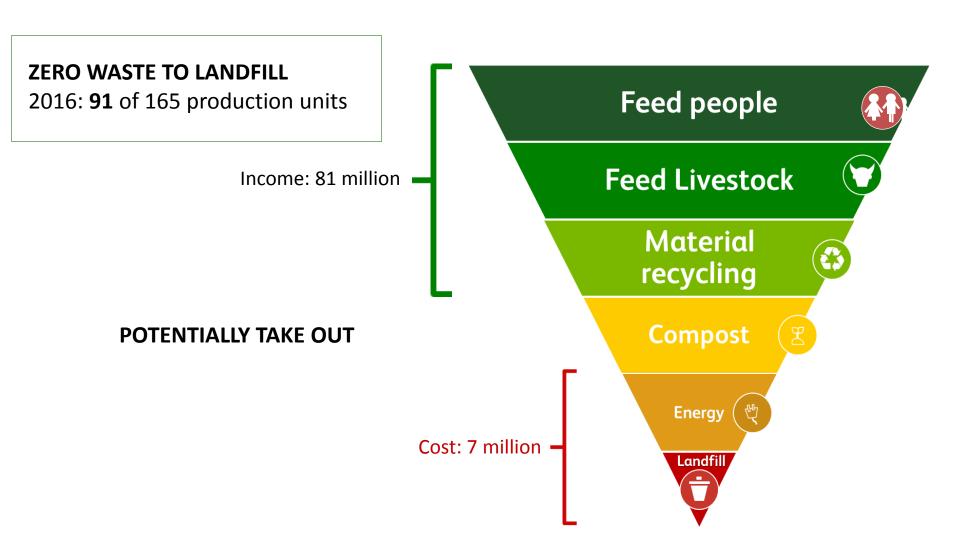


#### <u>Guanajuato</u>

A hotspot for agriculture in Mexico where groundwater extraction by users outstrips natural recharge on an annual basis.

## **BREWING A BETTER WORLD**













### WATER IS ESSENTIAL FOR OUR BREWERIES

