

# Activities of the Guatemala Sugar Agroindustry supporting the implementation of the SDG 6

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# GUATEMALAN SUGARCANE AGROINDUSTRY

11 sugar mills are united as a Guild in the Guatemalan Sugar Producers Association –Asazgua–

## Sugar mills

- Concepción
- Pantaleon
- Palo Gordo
- Madre Tierra
- Santa Teresa
- La Sonrisa



2010



1994



1957



1992



2022



1990

## Sugar mills

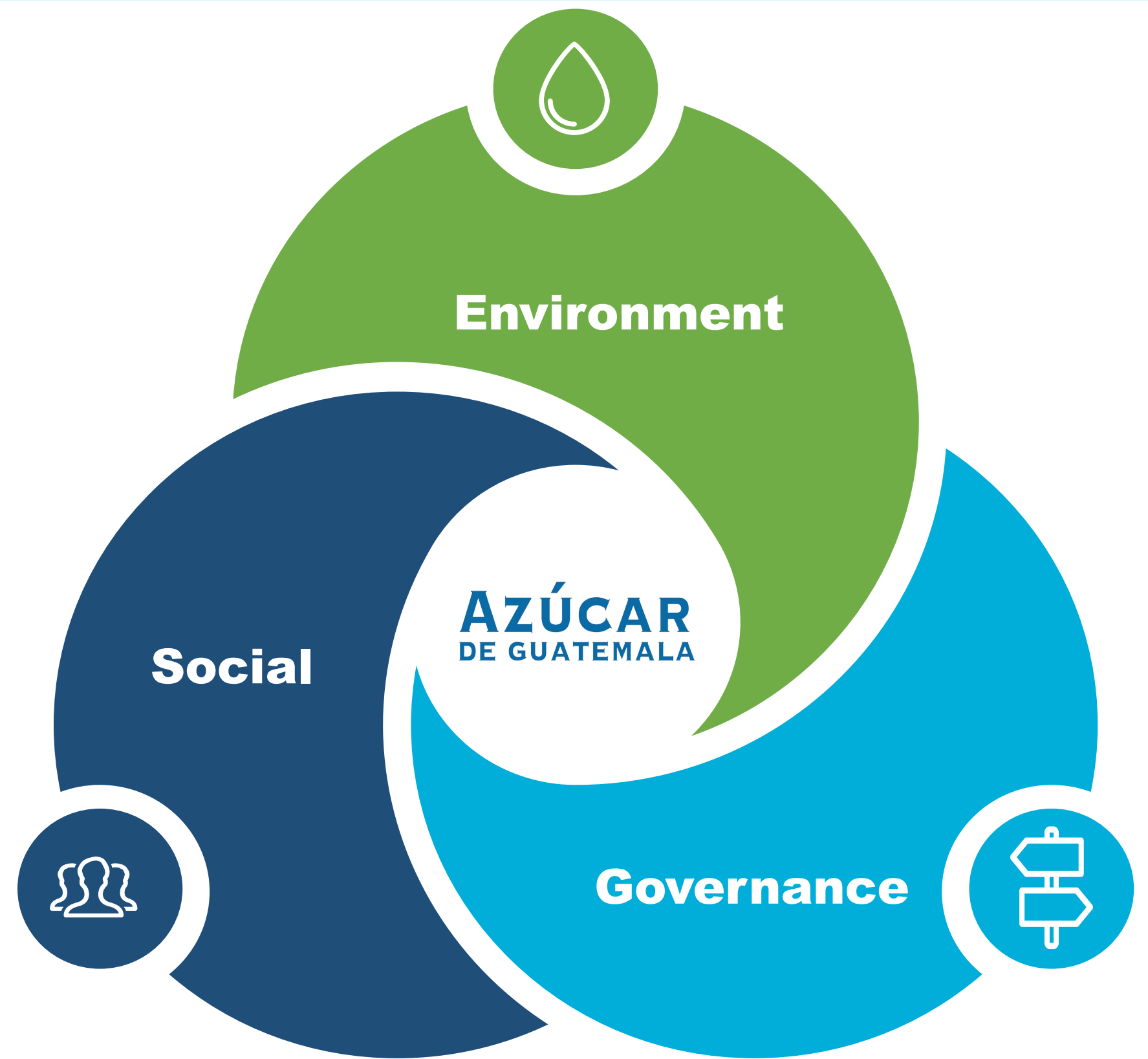
- La Unión
- Santa Ana
- Magdalena
- El Pilar
- Trinidad



SUSTAINABLE  
**WATER &  
ENERGY**  
SOLUTIONS  
NETWORK

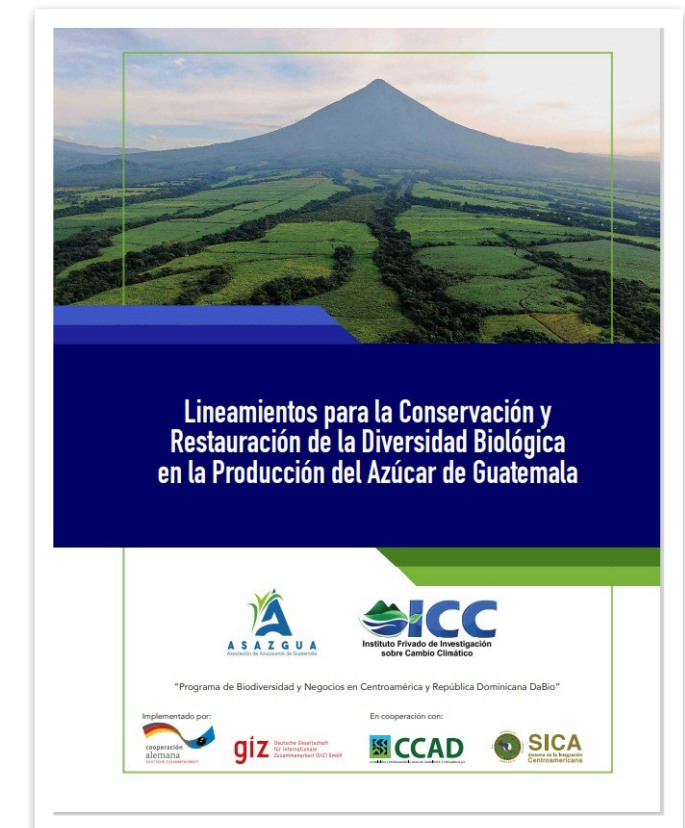
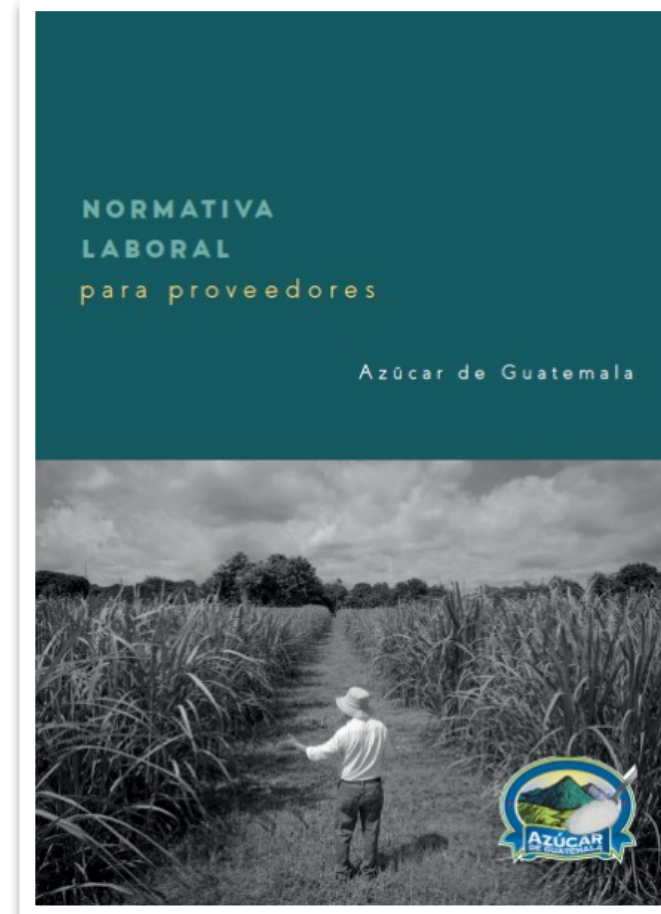
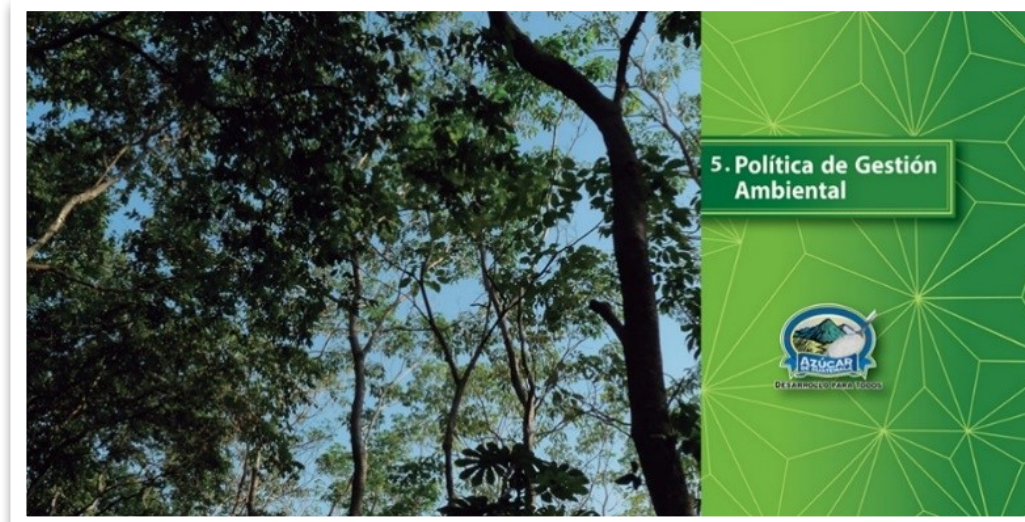
**ASAZGUA**  
 is committed to promote the  
 implementation  
 and fulfillment of the objectives and  
 goals of the 2030 Agenda

**OBJETIVOS DE DESARROLLO SOSTENIBLE**





# Políticas





# THE GUATEMALA SUGAR AGROINDUSTRY



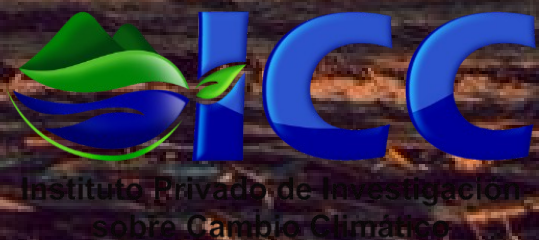
**2** Most exported agroindustrial product

Provide 333,000 jobs in the country.

**3** Producer in Latin America

Generates 30% of the energy consume in the country

**6** Largest exporter of sugar in the world



# The Guatemala Sugar Agroindustry and the SDG 6

Around **70 %** of water withdrawals is used for agriculture globally.

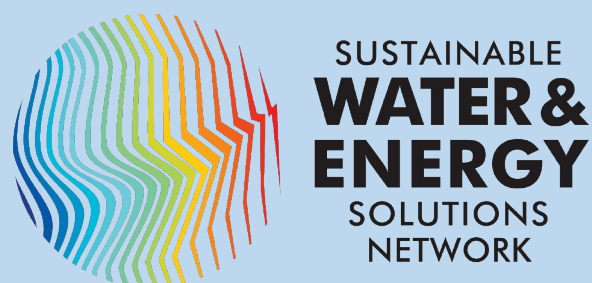
Guatemala, there are no record of users nor of volumes of water used.

Is estimated that between **10 to 25%** of existing water in Guatemala is used, and the share of agricultural use is **70 %**.





# Water Supply and Wastewater



Engineering and Water Sanitation Unit –UNISAN- promotes the execution of infrastructure projects that allow Municipalities access to safe water



The ICC monitors wells to follow changes in the water levels

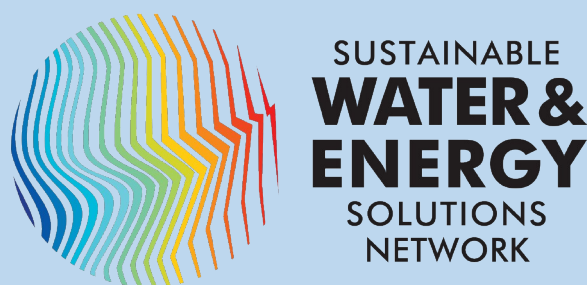


Agroindustry of Guatemala recognizes the importance of integrated water resource management

UNISAN

ICC: Private Institute for Climate Change Research

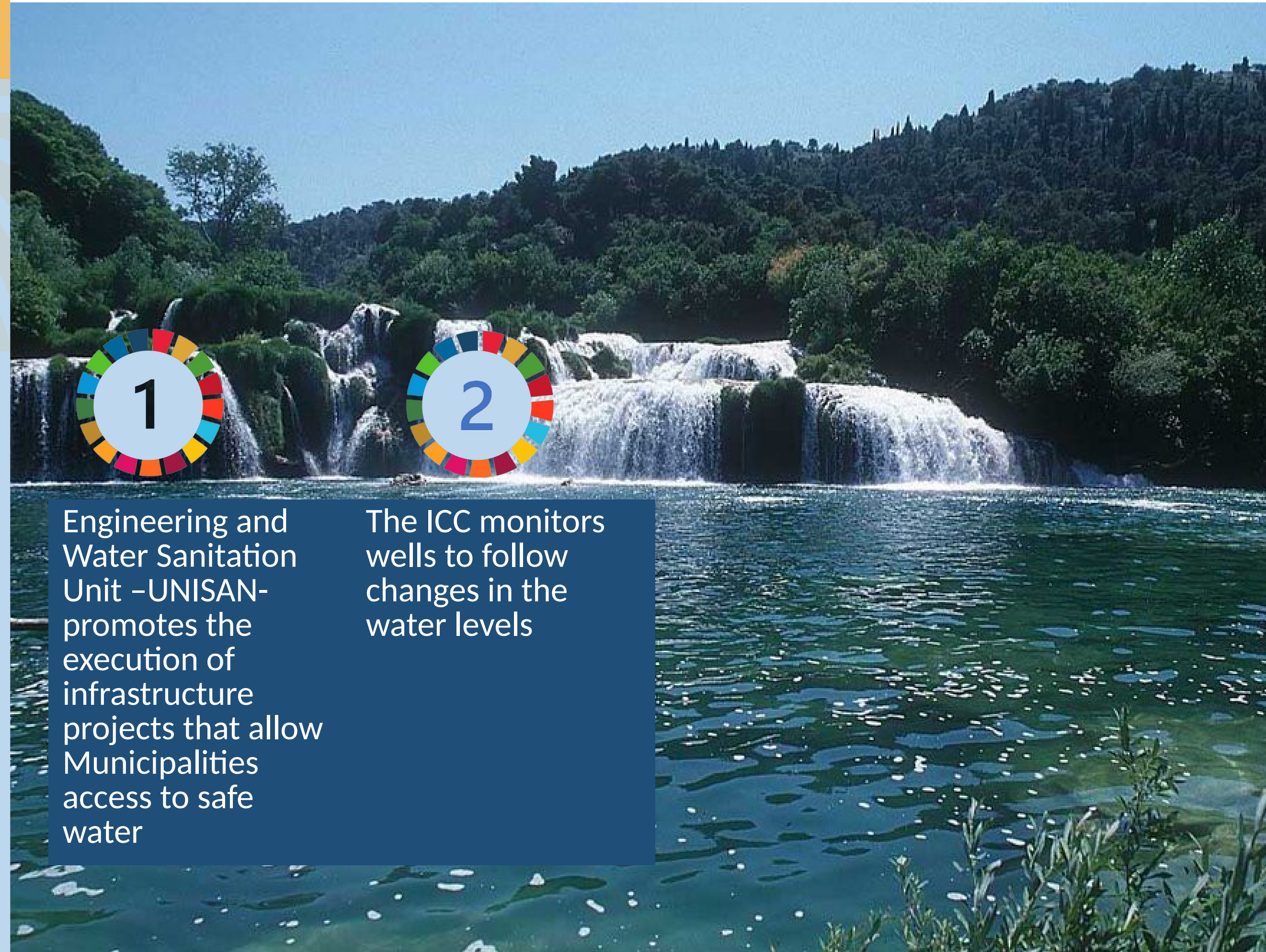
# Water Supply and Wastewater



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**related  
targets**

**TARGET 6-1**



**SAFE AND AFFORDABLE DRINKING WATER**

**TARGET 6-2**



**END OPEN DEFECAATION AND PROVIDE ACCESS TO SANITATION AND HYGIENE**

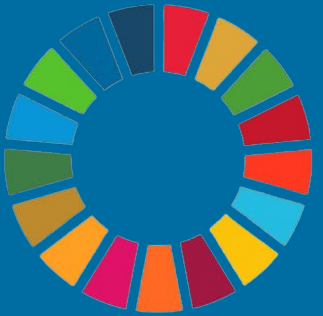
**40%**  
Of the population  
lacks running  
water at home

**249**  
wells are monitored by  
the ICC

# RESULTS:



SUSTAINABLE  
**WATER &  
ENERGY**  
SOLUTIONS  
NETWORK



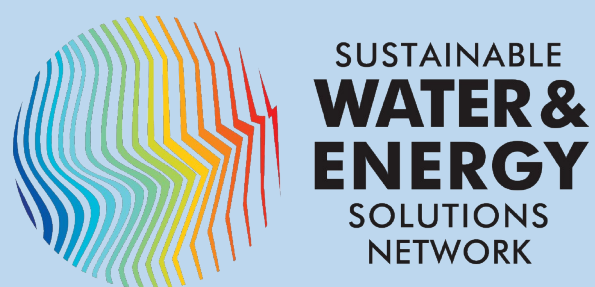
**More than half a million people in rural areas have benefited from these projects**

**More than 290 infrastructure studies have been carried out for different groups**

**Community management has enabled the construction of 129 projects**



# Water Supply and Wastewater



Agroindustry of Guatemala recognizes the importance of integrated water resource management



## Water use in agricultural and industrial processes

### Objectives and description

The Guatemalan sugar agribusiness operates within the framework of its own environmental management policy



**THE GUATEMALA  
SUGAR AGROINDUSTRY  
AND THE SDG 6**



## Irrigation Management

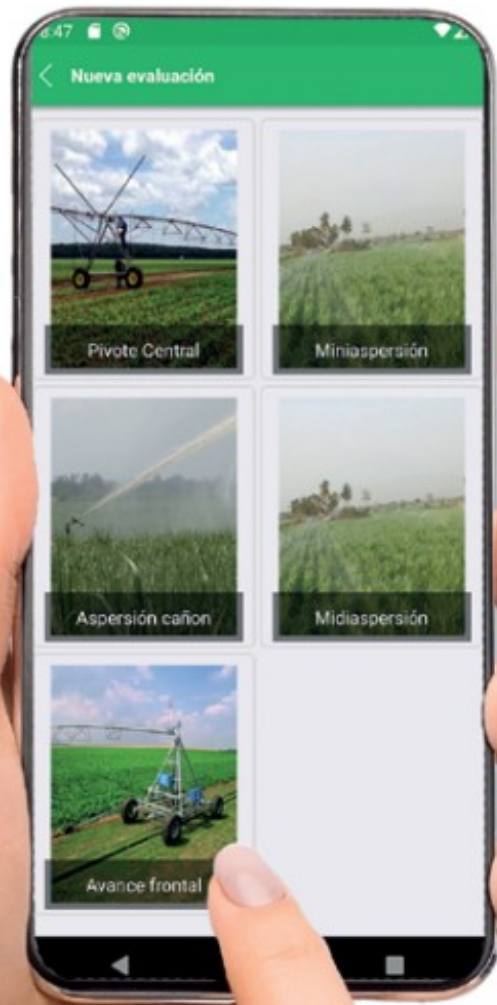
The application of good practices in irrigation has the objective of securing the sustainability of water resources

Reduced the Water used by **16%**



# CENGIRIEGOS Software

The software is able to recommend the volume of water to be applied to a specific plot



The application of good practices in irrigation has the objective of securing the sustainability of water resources.

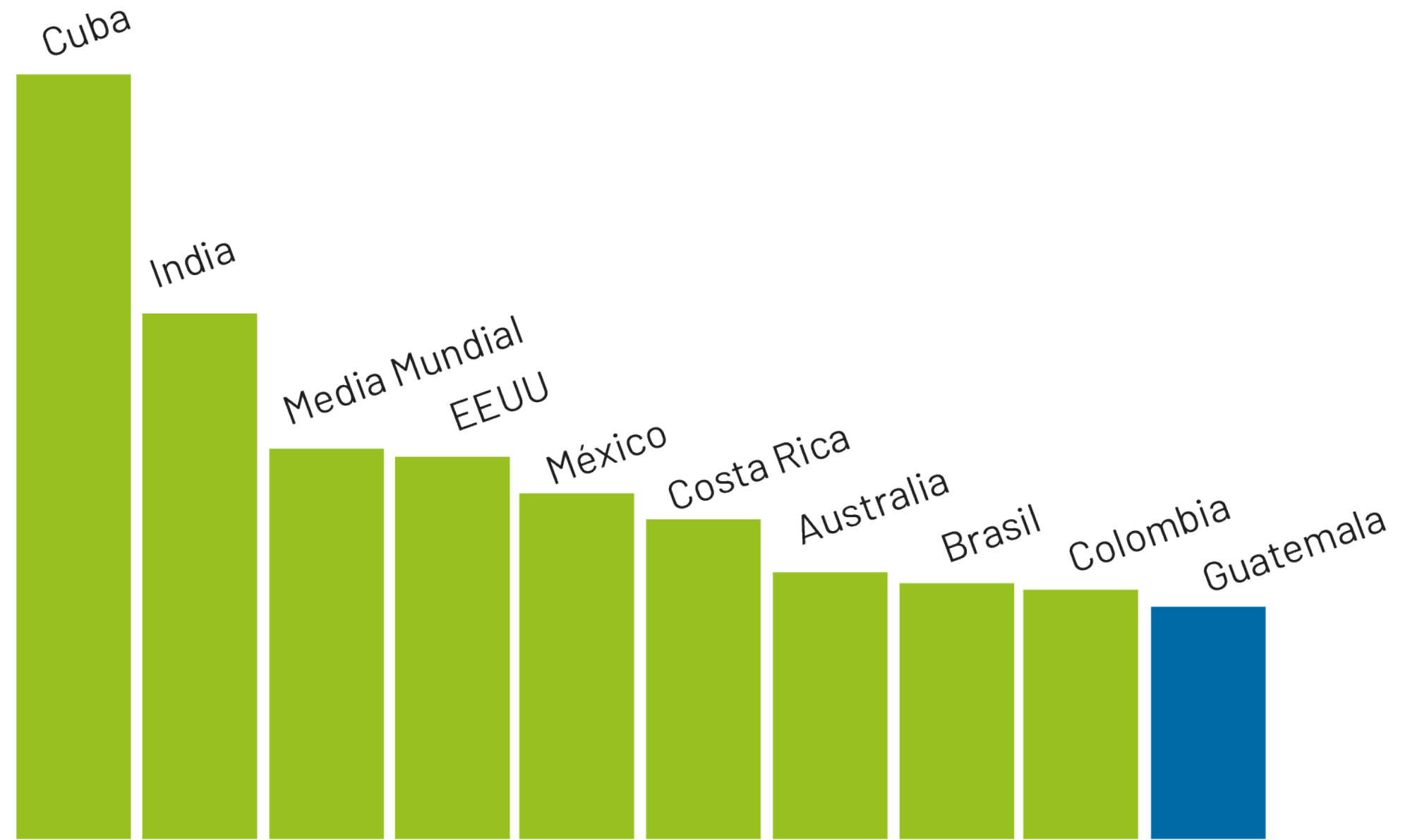
The use of water in agricultural processes for the production of sugarcane has been reduced through the implementation of more efficient irrigation systems and new technologies.



## Water footprint

There have also been many efforts to reduce the water footprint in the sugarcane mills through improvement of efficiency, water re-use, and the elimination of washing of sugarcane.

More than **72%** of the water that sugar cane needs to grow is obtained from rain



Source: Estudio La Huella Hídrica de la Caña de Azúcar de Guatemala del ICC

**38%** less water than the sugar produced in other countries

# WATER RESOURCE RESEARCH



The first one, through the creation of Cengicaña in the early 1990s.

By 2010, 16 stations were under operation in the sugarcane growing areas, all managed by Cengicaña.

**The second major initiative was investing through the foundation and funding of the Climate Change Research.**

One of the five main programs of work was set to generate data and to carry out research on climate and hydrology.



Source: ICC Website. <https://icc.org.gt/es/red-de-estaciones-meteorologicas-icc/>





## Conclusion

- The active participation of all stakeholders is essential.
- Dissemination of information and awareness raising is essential to understand the importance of protecting water and terrestrial ecosystems and avoiding the loss of biodiversity.

**We are more than Sugar**  
**We are energy for sustainable development**

