



MIGUEL TORRES

Pioneer in Chile since 1979

Chile



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The Winery

1979

FIRST FOREIGN
WINERY IN CHILE





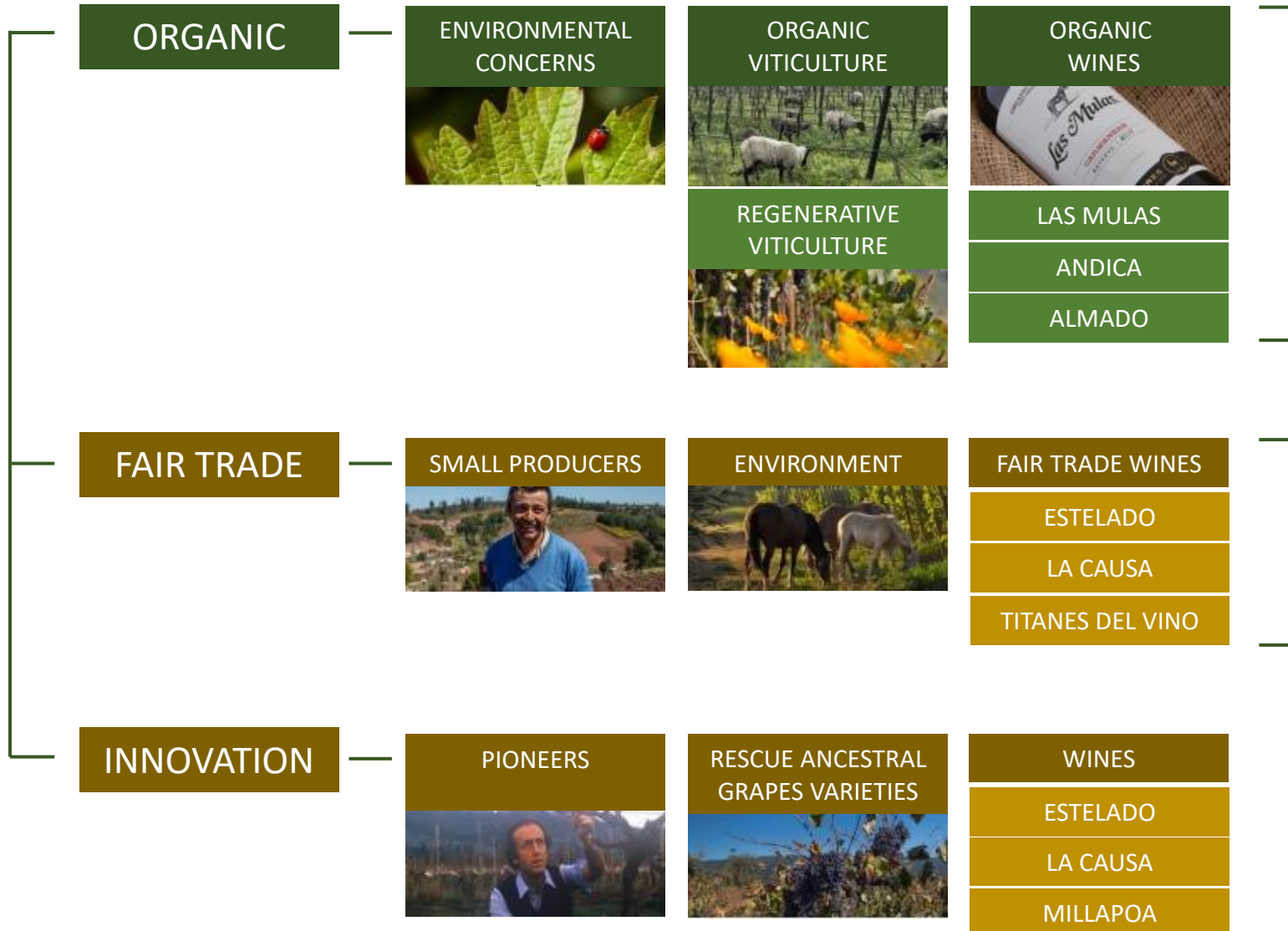
MIGUEL TORRES
Chile

IN **2010**, MIGUEL TORRES MACZASSEK
ASSUMES THE DIRECTION OF THE WINERY
5th GENERATION

2013



COMMITMENT TO SUSTAINABILITY



ENVIRONMENTAL SUSTAINABILITY



ENVIRONMENTAL SUSTAINABILITY

Managing water impact is a high priority for the company and is therefore part of its Sustainability Strategy.



WATER
MANAGEMENT

VINEYARD IRRIGATION

96%

9 VINEYARDS

- 3 drip irrigation | 3 dry farming | 3 surface irrigation
→ 100-year-old vines
- Rational irrigation: soil moisture sensors.
- Scholander pump: measures how much humidity the leaf has to know if it needs water or not.

WINEMAKING PROCESSES

4%

Production processes are being modified to reduce water consumption, especially cleaning and sanitisation processes, without affecting their efficiency.

ENVIRONMENTAL SUSTAINABILITY



TRACEABILITY

New platform to control and reduce our CO2 emissions.

In **2019** we introduced a new platform to measure our CO2 emissions in all our processes, and now we are able to analyse each area and introduce new processes to reduce CO2 emissions.

The biggest part of our CO2 emissions are coming from:



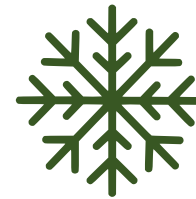
CO2 FOOT PRINT
IMPACT



PACKAGING
33,7% OF OUR TOTAL
EMISSIONS

Since 2018 we have been changing the packaging of our bottles from 580 gr to <400 gr.

TOTAL IMPACT 2760 Ton CO2



COOLER SYSTEMS

21,4% in 2021



LOGISTICS

One of the most difficult ones to reduce, the changes in packaging will help, but will not very representative.

13,8% in 2021

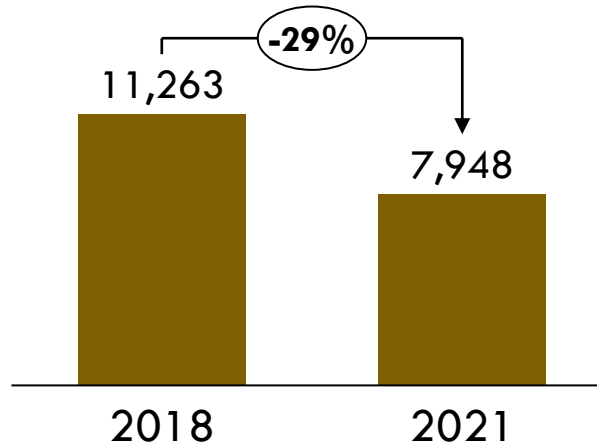
ENVIRONMENTAL SUSTAINABILITY

GENERAL RESULT OF THE CORPORATE GEI INVENTORY vs 2018 (base year)

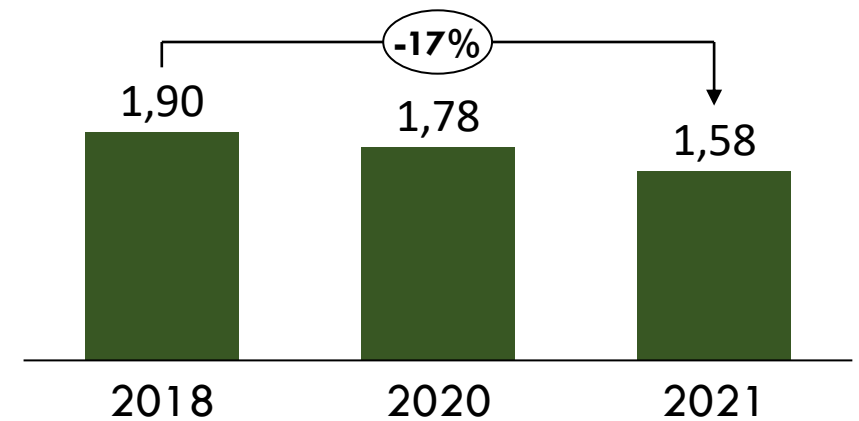


CO2 FOOT PRINT
IMPACT

**GEI Inventory Result
Corporate 2021
[Ton CO₂ Eq.]**



**Intensity
Kg CO₂ Eq. per labelled bottle]**



GOAL: to achieve a 50% reduction per bottle by 2030, compared to the base year (2018)



Externally Verified
by LRQA

CONCLUSIONS



CO2 FOOT PRINT
IMPACT

1. **Cooler systems** continue to be the item with the largest reduction gap.
2. **Packaging** continues to be the item that contributes most to the inventory (**33.7%**). Bottles alone represent 28.3% of the total. Any reduction in this item will have a big impact.
3. The most significant reduction was in **fertilizer** (-53%) and in **electricity**, mainly in the vineyards and thanks to the reduction in irrigation.
4. All summarized, compared to 2018, the 2021 GHG inventory showed a decrease of -29%, which is in line with the 2030 target (-50%)
5. In relation to intensity, the inventory showed a -17% reduction vs 2018, being even lower than 2020, when the comparative baseline of production was much lower.

ENVIRONMENTAL SUSTAINABILITY

ALL OUR VINEYARDS OR CERTIFIED ORGANIC 350 Ha SINCE 2012

TOTAL ORGANIC WINE PRODUCTION REPRESENTS **49%** OF THE TOTAL PRODUCTION



ORGANIC FARMING

Main certified standards:



ENVIRONMENTAL SUSTAINABILITY

Working with suppliers to encourage measurement and reduction of their respective GHG inventories



PRODUCT
PACKAGING

REDUCTION OF WOODEN CASES

Cartoon cardboard for Cordillera: 30% weight reduction
Light bottle LM/SD (76% of total sales): 7,7% weight reduction
Light bottle MV: 64% weight reduction



ENVIRONMENTAL SUSTAINABILITY

FLAT PET BOTTLE – RIO CLARO CARMENERE – SYSTEMBOLAGET

Flat shape packs like books, fitting up to **91% more wine on a pallet in transport and warehousing**. These space savings reduce costs and cut carbon emissions in the supply chain, while your consumers will love fitting more wine in their fridge.



**PRODUCT
PACKAGING**

TRADITIONAL SHAPES

Bottles inspired by traditional shapes to respect industry heritage while still looking familiar to consumers

Each bottle holds 75cl

BPA FREE

PET is a stable, inert material that does not react with food or beverages, has no impact on taste and is BPA-free. To prove it, the material we use is certified food-grade to USA and EU standards

100% RECYCLED PET

Made from shatterproof, pre-existing PET that's more energy-efficient than glass and has a lower carbon footprint. Plus, as it's material already in circulation, it helps limit new plastic being created.

Nearly 9 times lighter
63 gr per bottle

19-21 months Shelf life



ENVIRONMENTAL SUSTAINABILITY

Acquisition of 12,000 Acres in the Chilean Patagonia for reforestation to mitigate the effects of the climate change.



REFORESTATION

* Forests contribute to the fight against climate change thanks to their ability to capture CO₂ from the atmosphere and store the carbon in the form of biomass.



ENVIRONMENTAL SUSTAINABILITY

Since 2018
100% of the total energy is coming from renewal energy



ENERGY
CONSUMPTION



ELECTRIC ENERGY

The total energy purchased is coming from certified renewable energy.



SOLAR PANELS

Photovoltaic energy accounts for 7.7% of the total electricity consumed by the plant.



BIOMASS BOILERS

In total, biomass boilers account for 34% of the heat energy consumed.

From the total energy consumed during 2021, 14.3% corresponds to Non-Conventional Renewable Energy generated IN SITU.

