Sugarcane Production at Terragri:

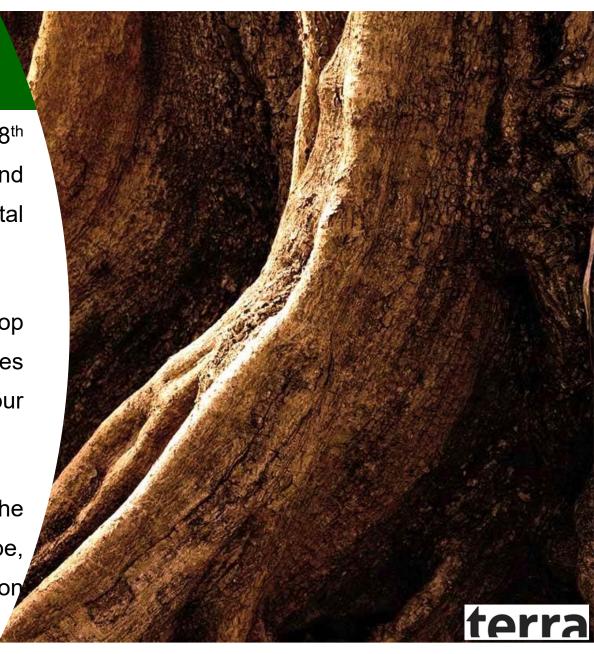
From Field to Spoon

7th February 2022



# TERRA: Our Socio-Environmental Stewardship

- Since its introduction in Mauritius in the 18<sup>th</sup>
   Century, sugarcane cultivation has expanded, and
   now covers 45,805 hectares, 22.5% of the total
   area of Mauritius
- Besides the economic value of sugar, crop hardiness against cyclones, drought and diseases explain why it is the main crop cultivated on our tropical island
- Concomitant edges of sugarcane as a crop are the authenticity that it brings to the island's landscape, deep root system that holds tightly soil, and carbon sequestration



# TERRA: Our Socio-Environmental Stewardship

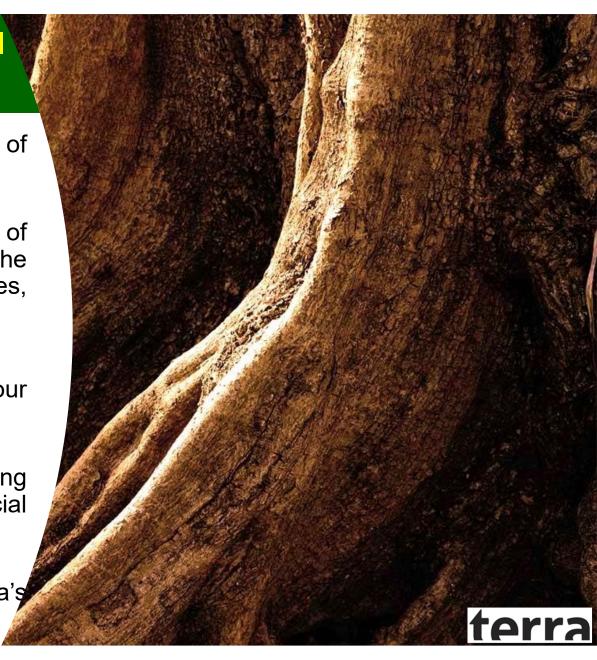
 Terra has deep roots in the land and soil of Mauritius since 1838

 Agricultural activity, which is at the core of Terra's business model, depends on the availability and quality of natural resources, including land, water, and vegetation

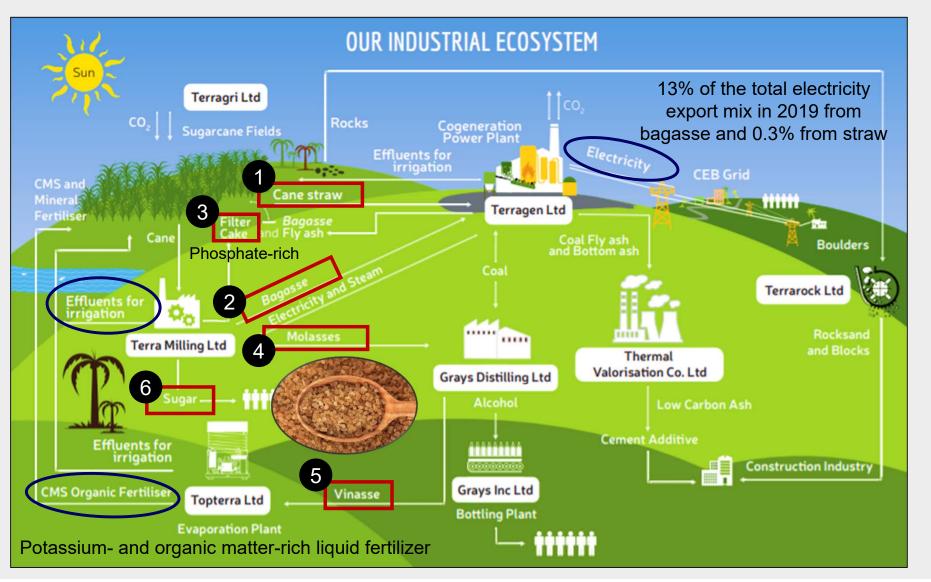
Ensuring ecological functioning is central to our value proposition

 Protecting the environment and ensuring development of people in natural & commercial environments are thus a strategic imperative

Agricultural cluster is a key node of Terra's industrial ecosystem



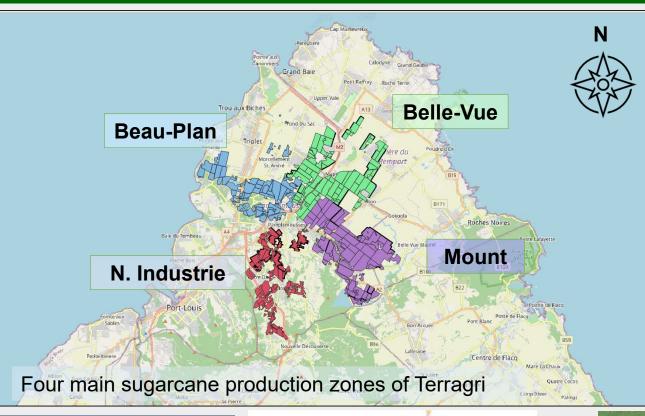
### Sugarcane Production: A closed-loop resource flow system





# Cane Our purpose is to be a global player in growing cane and manufacturing sugar, with a particular focus on specialty sugars.

### **Terragri Ltd: Natural and Human Capital**



### Our natural capital

- 5,433 ha of sugarcane fields
- 327,705 tons cane produced
- 4,127 tons straw collected
- 118,000 tons bagasse

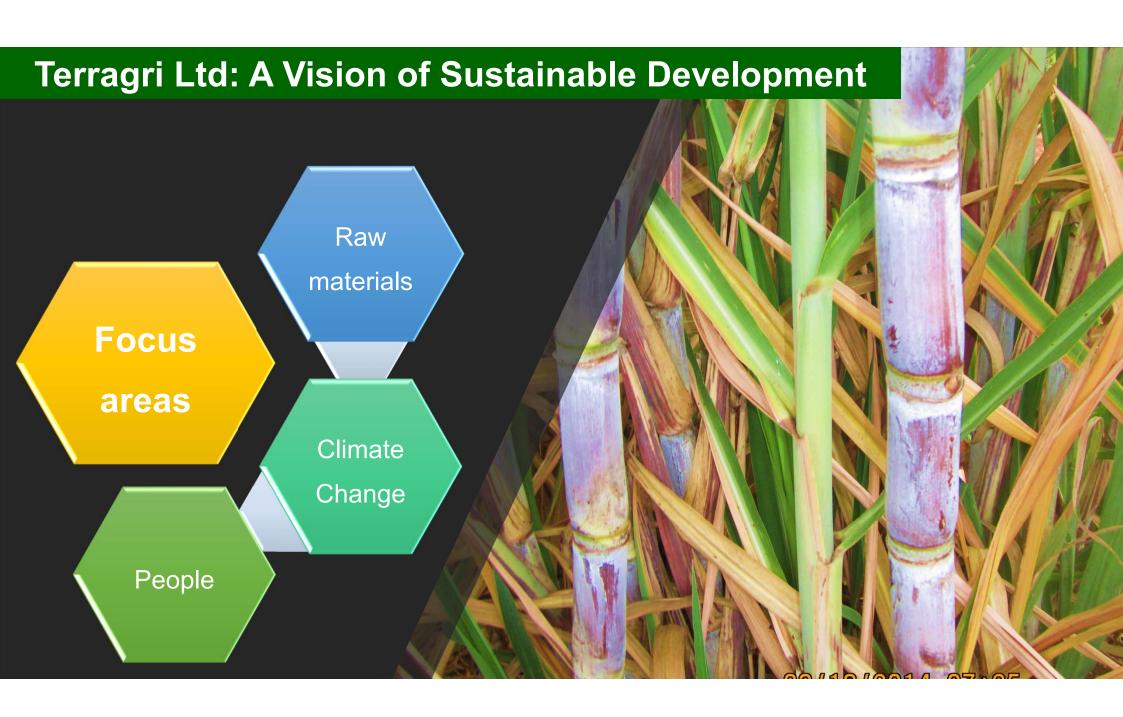


### Our human capital

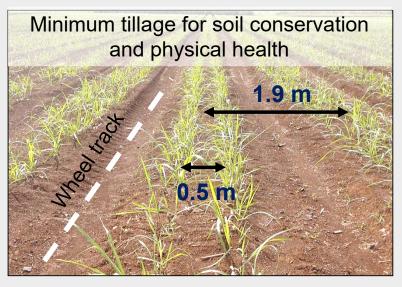
• 201 employees



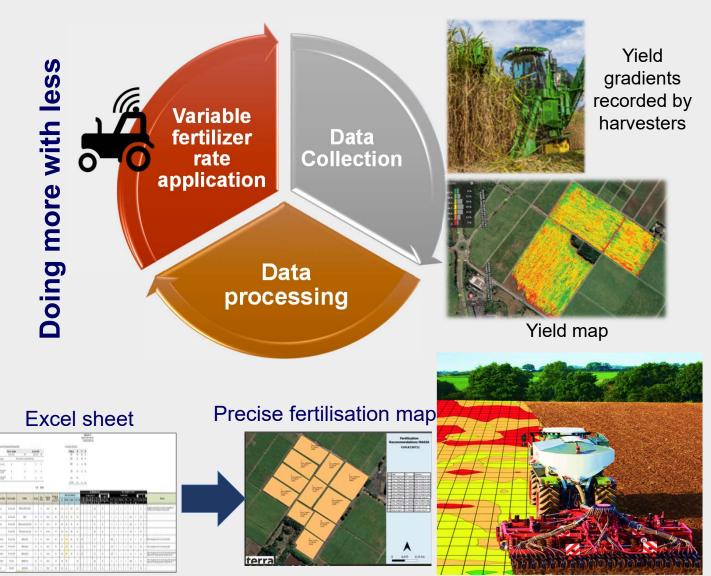




### Raw Materials for Sugarcane Production: Fertilizers







### Raw Materials for Sugarcane Production: Herbicides







Herbicides
to be
applied
after weed
emergence

Use of cane straw to control weeds

Application of herbicides on cleared cane beds only = 25% less herbicide applied





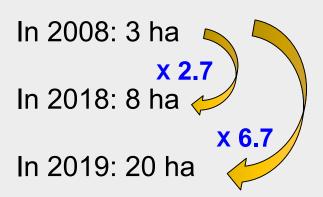


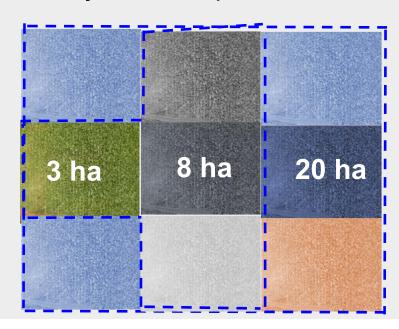


### Raw Materials for Sugarcane Production: Fuel

- Optimising the efficiency of equipment at Terragri is a priority towards reducing our fuel consumption
- Investment in the fleet management tool Naveo
- We have prioritised the purchase of fuel-efficient machines and have redesigned our fields to enhance the efficiency of their operation

### Size of a field at Terra





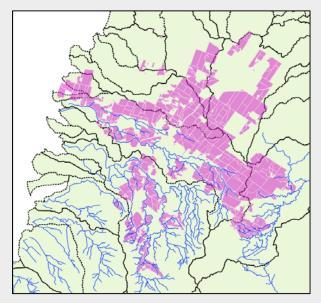
### **Climate Change**

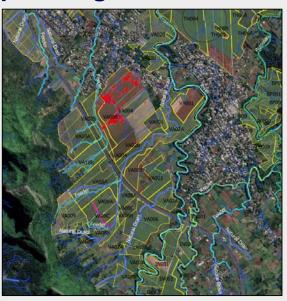
## Rainwater harvesting to face extended dry spells





Use of Digital Elevation Models (DEM) and geographical information systems for land planning, and soil conservation





- Informed waterway design based on flow axes and catchment areas
- Adaptive measure against flash floods and convectional rainfall
- Aim is to minimise soil erosion, and conserve soil fertility



 Having the right technical and leadership skills, diversity of experience, and a strong performanceoriented culture, is fundamental to Terra's ability to generate value

Training to new technologies

Coaching and continuous learning



### **Organic Sugarcane**

- We have been investing in the research and development of organic sugar cane production, with the goal of contributing to the Mauritius Chamber of Agriculture's vision for 1,500 hectares of land to be converted to organic cane
- In 2019, 58 hectares were earmarked to evaluate organic itineraries of sugar cane production
- The evaluation is still up and running, and a second organic harvest completed in 2021



# Thank you for your attention!

