

# SEMINAR ON CITY TO CITY COLLABORATION FOR ZERO CARBON SOCIETY

February 2024



# LAC CONTEXT on decarbonization

- Our region emits approximately 8% of global emissions, similar to our population share .
- 1 of every 5 global extreme weather events associated to climate change , with economic damages representing 45% of global material losses in the last 50 years (WMO)
- Potential of LAC in biodiversity .
  - Almost 70 % of electricity in our region comes from renewable energy sources .
  - Cities Forward (Department of State US)

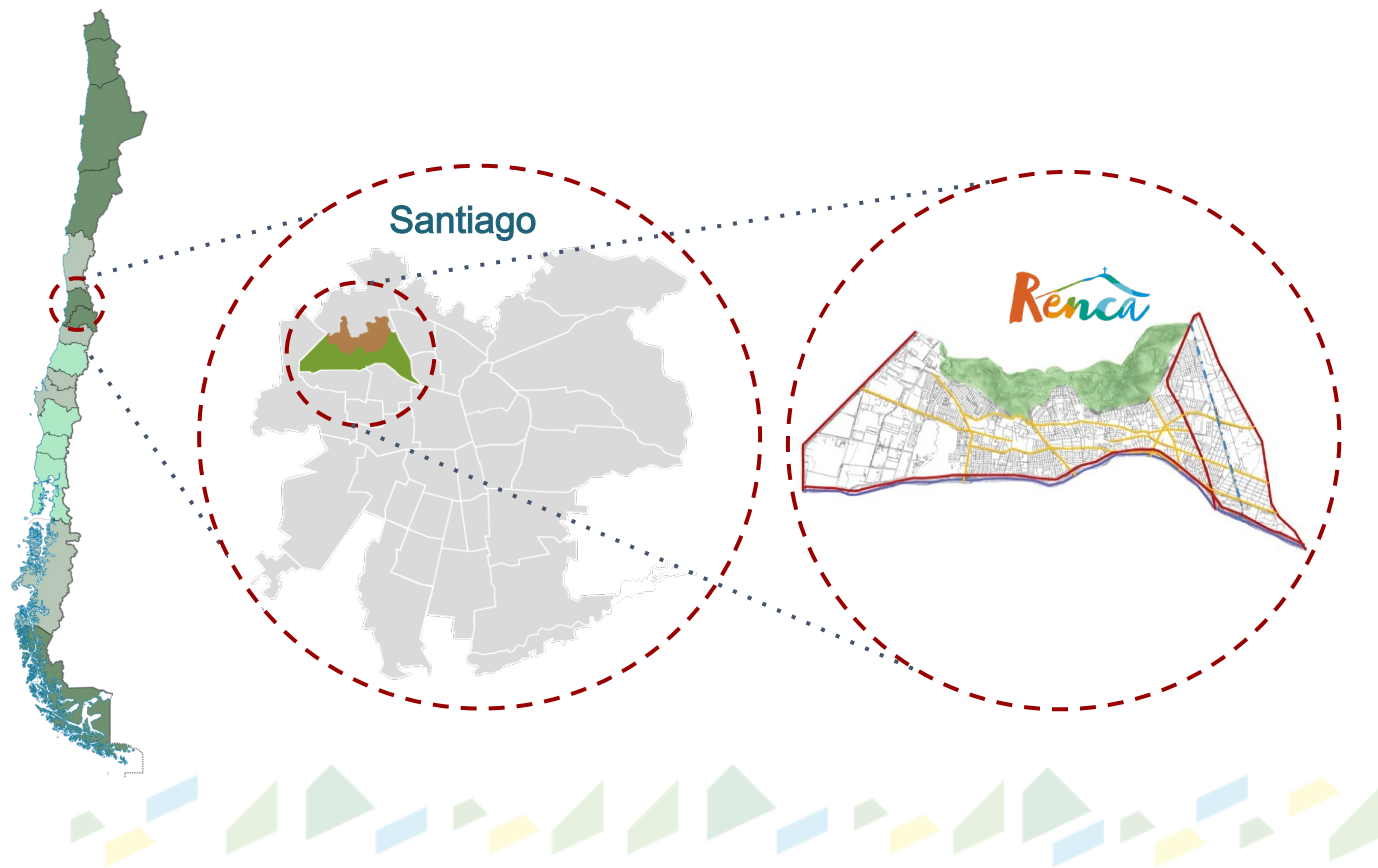


# Chile CONTEXT on decarbonization

- 2022 . Climate Change Law .
  - Paris Agreement
  - Carbon neutrality towards 2050
- Just transition
- Pioneer in renewable energies



# RENCA'S LOCAL CONTEXT



24,2 km<sup>2</sup>  
communal area

162.854  
inhabitants

45.660 homes

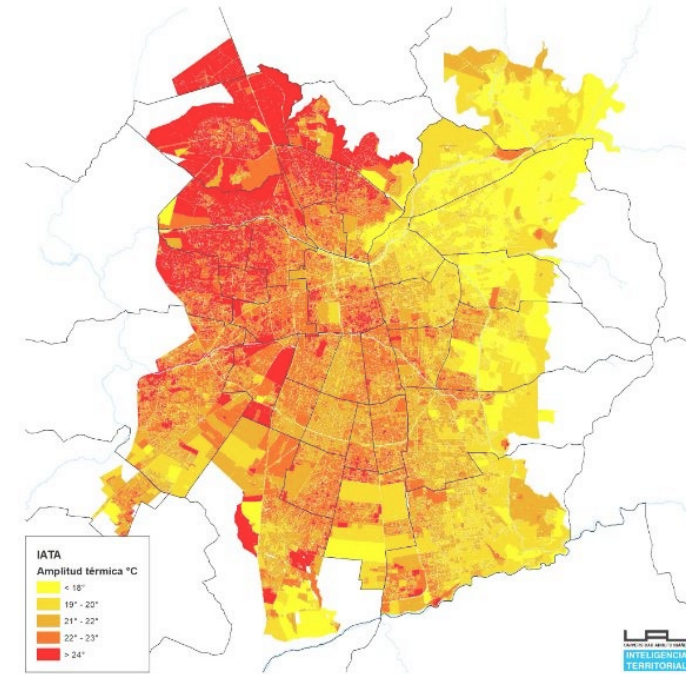
10,2%. poverty





# RENCA'S LOCAL CONTEXT

- Renca is considered a "Heat Island" in the Metropolitan Region .
- The square meters of green area per inhabitant in the commune are below recommendations .
- Poor air quality, with 23 critical episodes per year, compared to the Region Metropolitana's 15
- Presence of two industrial poles generating water stress and greenhouse gas emissions .
- Renca has the only thermoelectric plant in the Metropolitan Region .



# STRENGTHENING OUR CITIZEN COMMITMENT TOWARDS SUSTAINABILITY



**+74.000 planted trees**  
in Cerros de Renca Metropolitan  
Park



**1820 recycled tons**  
between 2018 -2023



**Average increase in bicycle  
use to 7,55%, higher than average  
use in Metropolitan Region**



# CITY TO CITY COLLABORATION PROGRAM (RENCATOYAMA)



City-to-City  
Program  
Toyama  
Memorandum

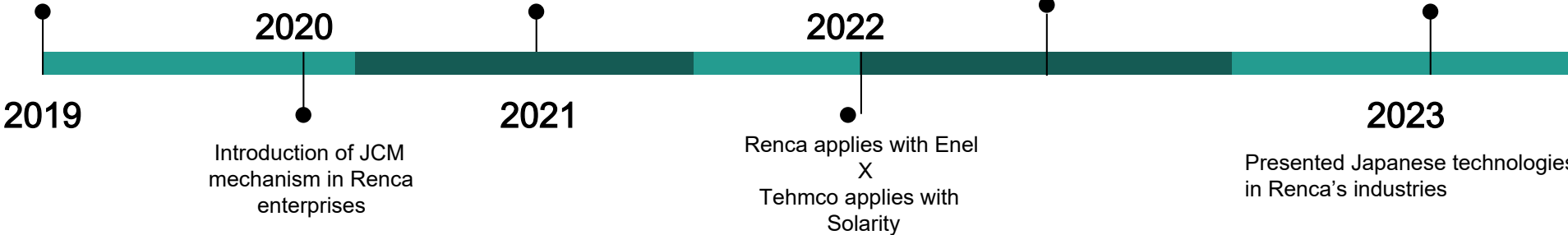


Presented Japanese technologies  
in Renca's industries



TEHMCO® S.A.

Tehmco  
successfully  
becomes  
beneficiary of  
JCM



# DECARBONIZATION INITIATIVES IN RENCA: THERMOELECTRIC PLANT



Imagen: Central Nueva Renca Generadora  
Metropolitana

- Renca has the only thermoelectric plant in the Metropolitan Region.
- Built in the 60's, the plant supplies the entire region with energy.
- According to our emissions inventory, in Renca approximately 600 thousand tons/CO<sub>2</sub> of emissions come from the plant.
- Generadora Metropolitana will become one of the 6 thermoelectric plants towards carbon neutrality with support of the State





# DECARBONIZATION INITIATIVES IN RENCA: WASTE MANAGEMENT SYSTEM

- Despite our efforts, waste management still is a problem in our commune.
- IBD consultancy for a integral waste managementsystem.
  - Waste
  - Public spacesretrieval
  - Recyclingmanagement



# DECARBONIZATION INITIATIVES IN RENCA: METROPOLITAN PARK CERROS DE RENCA



- More than +74.000 trees planted in reforestation operations
- New Masterplan (USD\$ 72 MM)  
Future projects
  - New summit and trails
  - Water Masterplan
  - Innovative irrigation plan
- Objective: New green lung for Santiago district, capturing emissions and reducing temperatures.



*THANK YOU VERY MUCH!*

