



**Asia-Pacific
Economic Cooperation**

2022/CTI/SYM1/003

Circular Economy: National Strategic Program

Submitted by: Chile



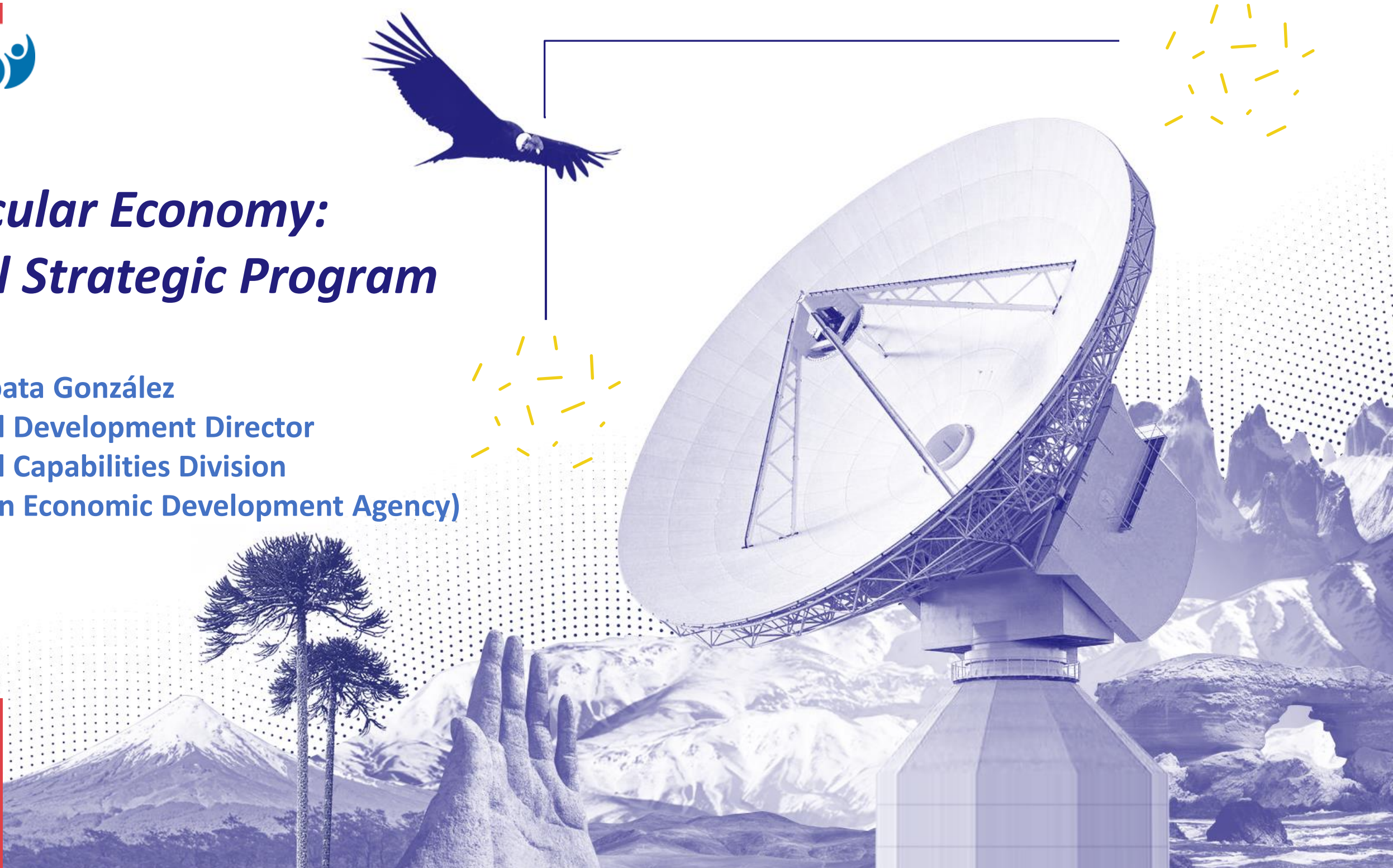
**APEC Bio-Circular-Green Symposium
Bangkok, Thailand
20 May 2022**



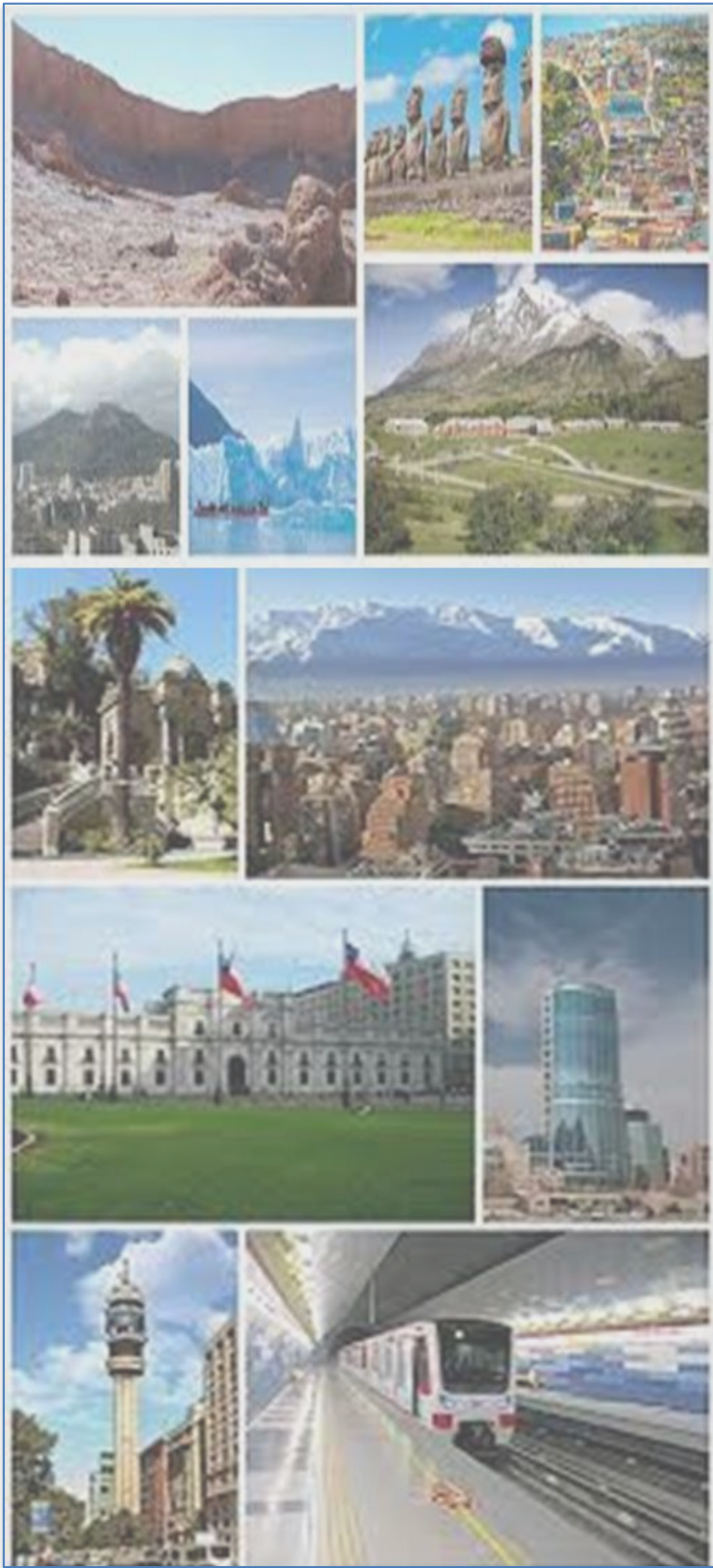
Circular Economy: National Strategic Program

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May 2022



Chile at a glance



25
International trade agreements and double taxation treaties signed with **64** countries

Source: (SUBTEU)

total 58 countries

1st Regional Ranking
2nd World Ranking

Renewable energy investment

1st Regional Ranking
Solar energy generation

Source: (CLIMATESCOPE 2016)

200.000
HIGHLY
specialized workers

FUENTE: INSTITUTO NACIONAL DE ESTADÍSTICAS (INE)

22.8 million
number of active mobile phones (SEPT 2016)

125.4
units for every 100 people

Source: (SUBTEU)

Chile in the Región

- #1 Business Environment Ranking EIU 2020 - 2024
- #1 Most Competitive Country IDM 2020
- #1 Economic Freedom Heritage Foundation 2020

Chile: #1 Worldwide
#1 LatAm

In Renewable Energy investment & Solar Generation

Source: Climatescope - Bloomberg NEF 2020

Chile #3 LatAm
Global Food Security Index 2020

Source: The Economist Intelligence Unit

Chile TOP 1
Global Investment Ranking
Renewable Energy (NCRE) 2020

“Most innovative country for early stage entrepreneurs”

Source: WEF 2019-2020 / Global Entrepreneurship Monitor

Source: (SUBTEU)

Chile #1
Best adventure tourism destination
World Travel Awards 2015-2020

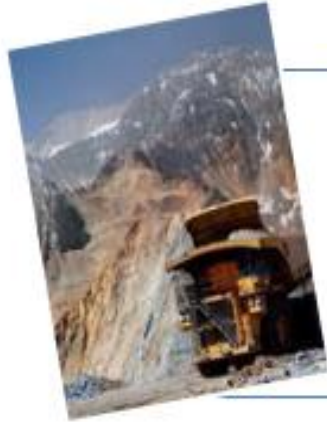
Chile #1 LatAm
Index Logistic Performance 2019

Source: World Bank



Chile at a glance

Main sectors



Mining

World's principal producer of copper (28%), nitrates (100%), iodine (58%) and lithium (54%) and the sixth largest silver producer



Salmon

World's 2nd Largest producer
6.0 million people market



Wine World's 4th exporter
after the 3 main European players
World's 5th Largest producer
16.9 million people drink a glass
of Chilean wine



Forest

Top 10 in roundwood and
pulpwood
Leader in LatAm



Fruits

The world's biggest exporter:
Fresh blueberries, Fresh table
grapes, Fresh cherries, Prunes
and Dehydrated apples





Chilean Economic Development Agency – Ministry of Economy (since 1939)

Our mission is to improve the competitiveness and the productive diversification of the country by encouraging investment, innovation and entrepreneurship, strengthening in addition the human capital and technological capabilities to achieve a sustainable and territorially balanced development.



INNOVATION

Innovation grants
R&D tax incentive



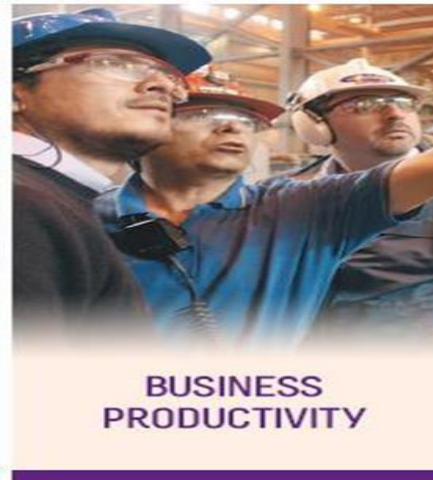
ENTREPRENEURSHIP

Seed Capital
Incubators
Co-Works
Start Up Chile



FINANCING

Guarantees for
access to bank
financing x SMEs
PE & VC Funds
Early Stage VC Funds



**BUSINESS
PRODUCTIVITY**

Smart Specialization
programs
Labor skills
SMEs programs



**TECHNOLOGICAL
CAPABILITIES**

Technology centres
R&D Consortiums
Technical school innovation
capabilities
Open Innovation Program



FOCUS 2022-2026

1

*FINANCING FOR
DEVELOPMENT*

2

*ENTREPRENEURSHIP,
INNOVATION AND PROMOTION*

3

*NEW
INDUSTRIAL POLICY*

SUSTAINABILITY, GENDER EQUALITY AND TERRITORIAL DEVELOPMENT

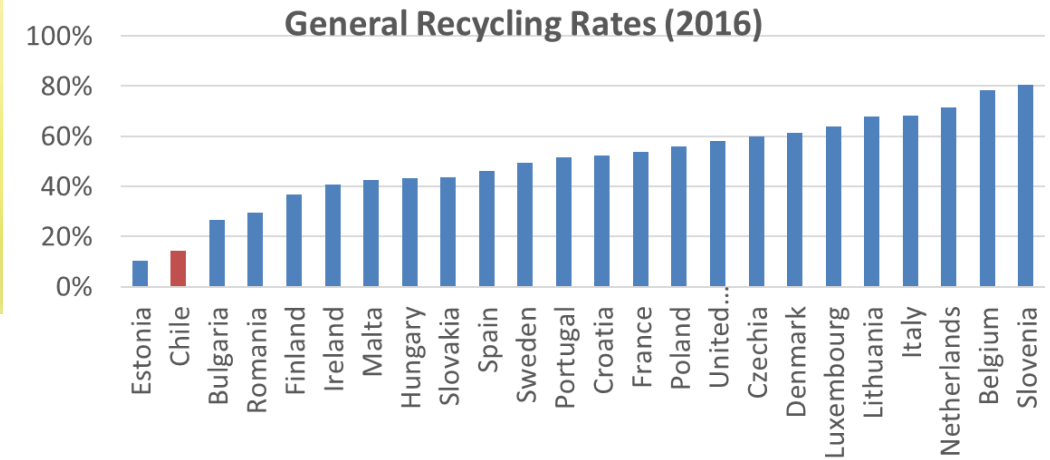
WHY A **CIRCULAR ECONOMY**
ROADMAP FOR **CHILE?**



**A COUNTRY WITH A
RECYCLING SECTOR
JUST BEGINNING
TO TAKE OFF**



**A COUNTRY THAT
GENERATES EACH
TIME MORE SOLID
HOUSEHOLD WASTE
PER INHABITANT**



Country	2000 kg/hab	2018 kg/hab	Rate %
Chile	295	441*	+49%
Netherlands	598	516	-14%
Spain	649	476	-27%
Hungary	445	384	-14%
Japan	430	336	-22%

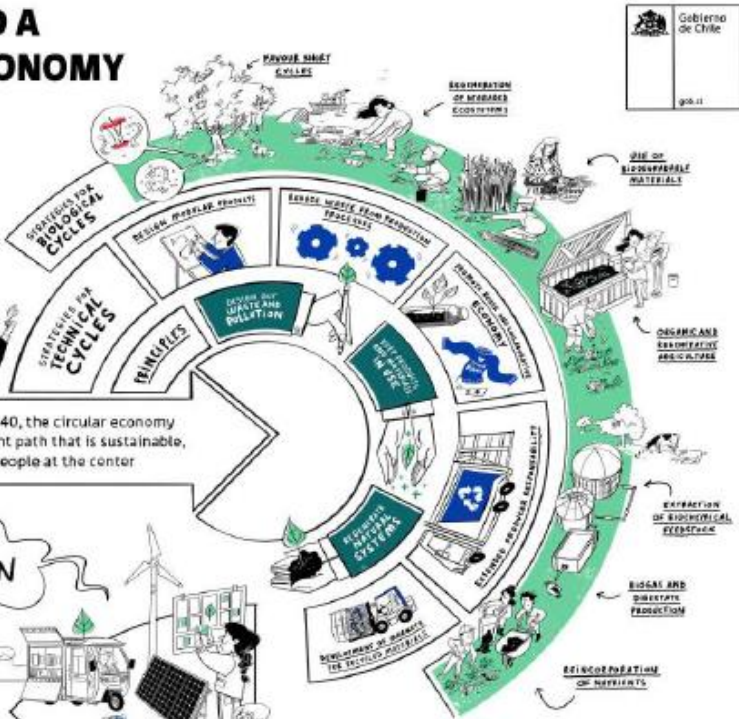
ROADMAP TO A CIRCULAR ECONOMY CHILE 2040



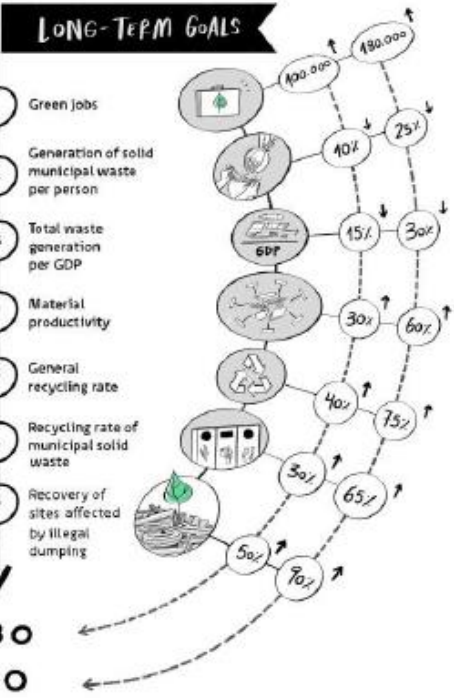
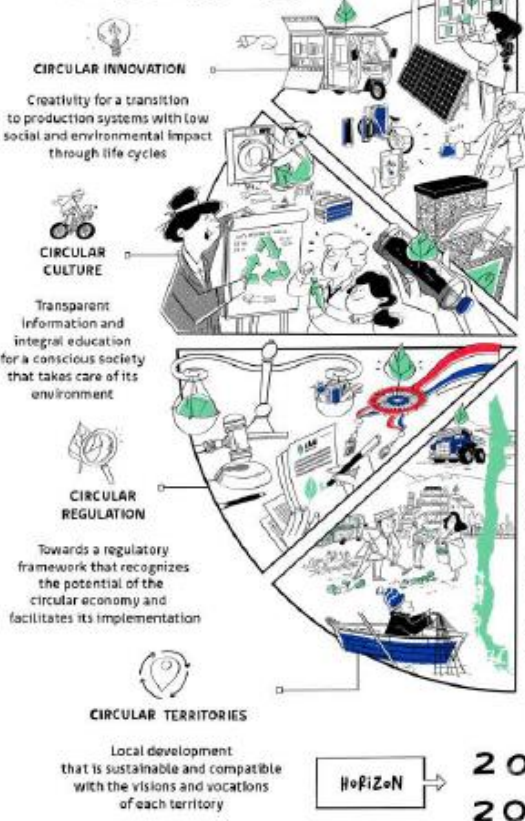
How will Chile look like in 2040?



The vision is that, by the year 2040, the circular economy has driven Chile to a development path that is sustainable, fair and participative, and puts people at the center



PILLARS OF THE TRANSITION



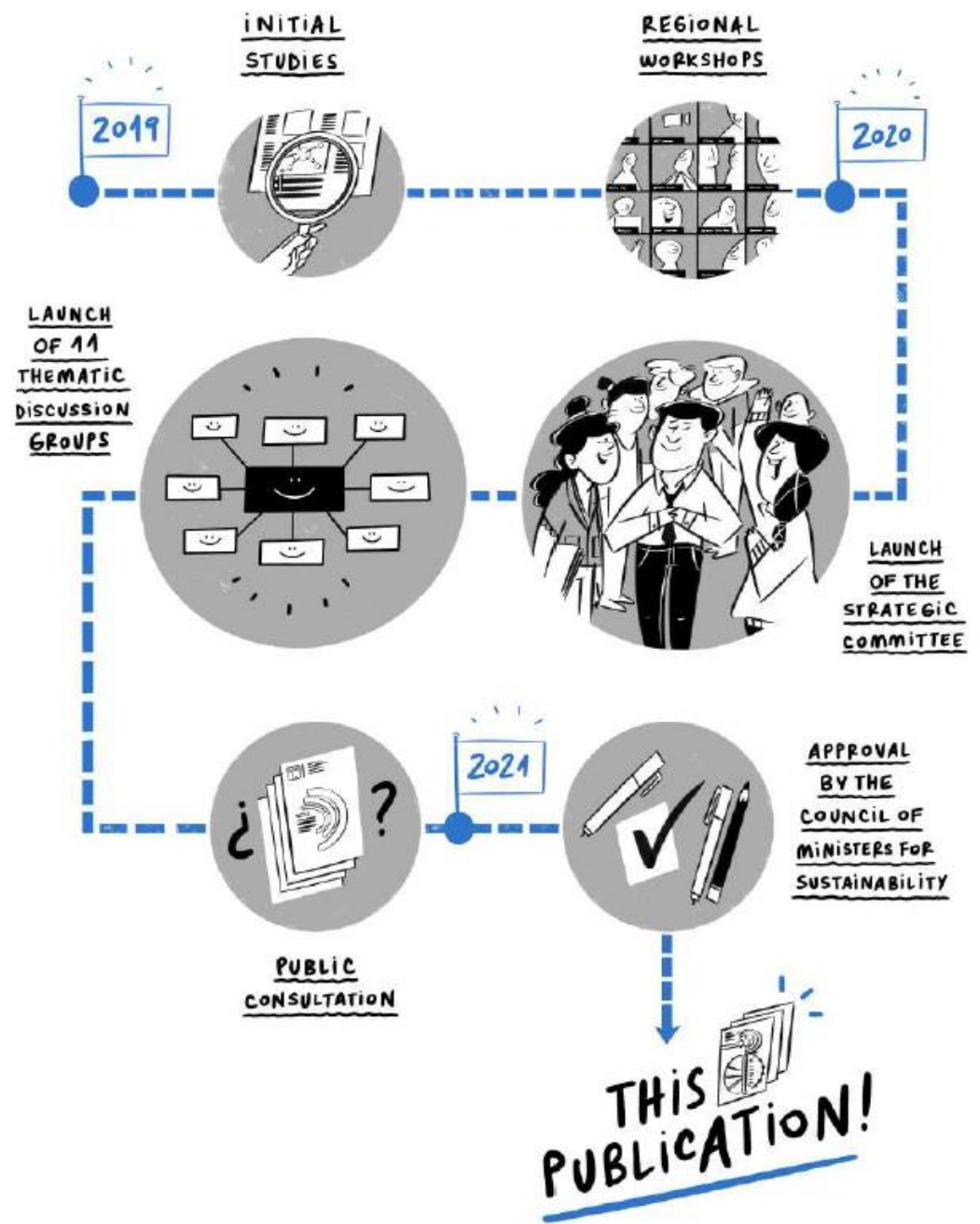
ROADMAP TO A CIRCULAR ECONOMY CHILE 2040





HOW DID WE GET TO THIS ROADMAP?

PATH TO THE ELABORATION OF THIS ROADMAP



VISION



A COUNTRY WHERE
NOTHING GETS WASTED
AND EVERYTHING



INDICATOR	2030 GOAL	2040 GOAL
1st Goal: Generation of green jobs	100.000 new jobs	180.000 new jobs
2nd Goal: Generation of municipal solid waste per capita	Decrease of 10%	Decrease of 25%
3rd Goal: Total waste generation per GDP	Decrease of 15%	Decrease of 30%
4th Goal: Material productivity	Increase of 30%	Increase of 60%
5th Goal: General recycling rate	Increase to 40%	Increase to 75%
6th Goal: Recycling rate of municipal solid waste	Increase to 30%	Increase to 65%
7th Goal: Recover of sites affected by illegal dumping	Recover of 50%	Recover of 90%





STRATEGIC AXES OF THE ROADMAP

CIRCULAR INNOVAION



Creativity for the transition to production systems with low socio-environmental impact throughout life cycles.

CIRCULAR CULTURE



Transparent information and comprehensive education for a conscious society that cares for its environment.

CIRCULAR REGULATION



Towards a regulatory framework that recognizes the potential of the circular economy and facilitates its implementation.

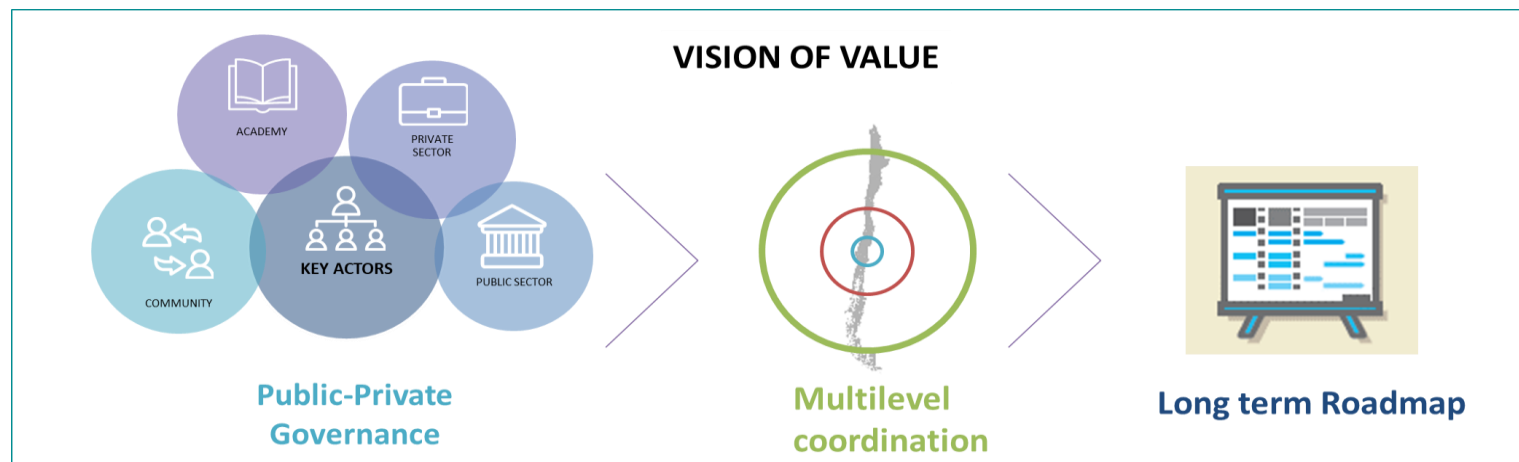
CIRCULAR TERRITORIES



Sustainable local development compatible with the visions and vocations of each territory.

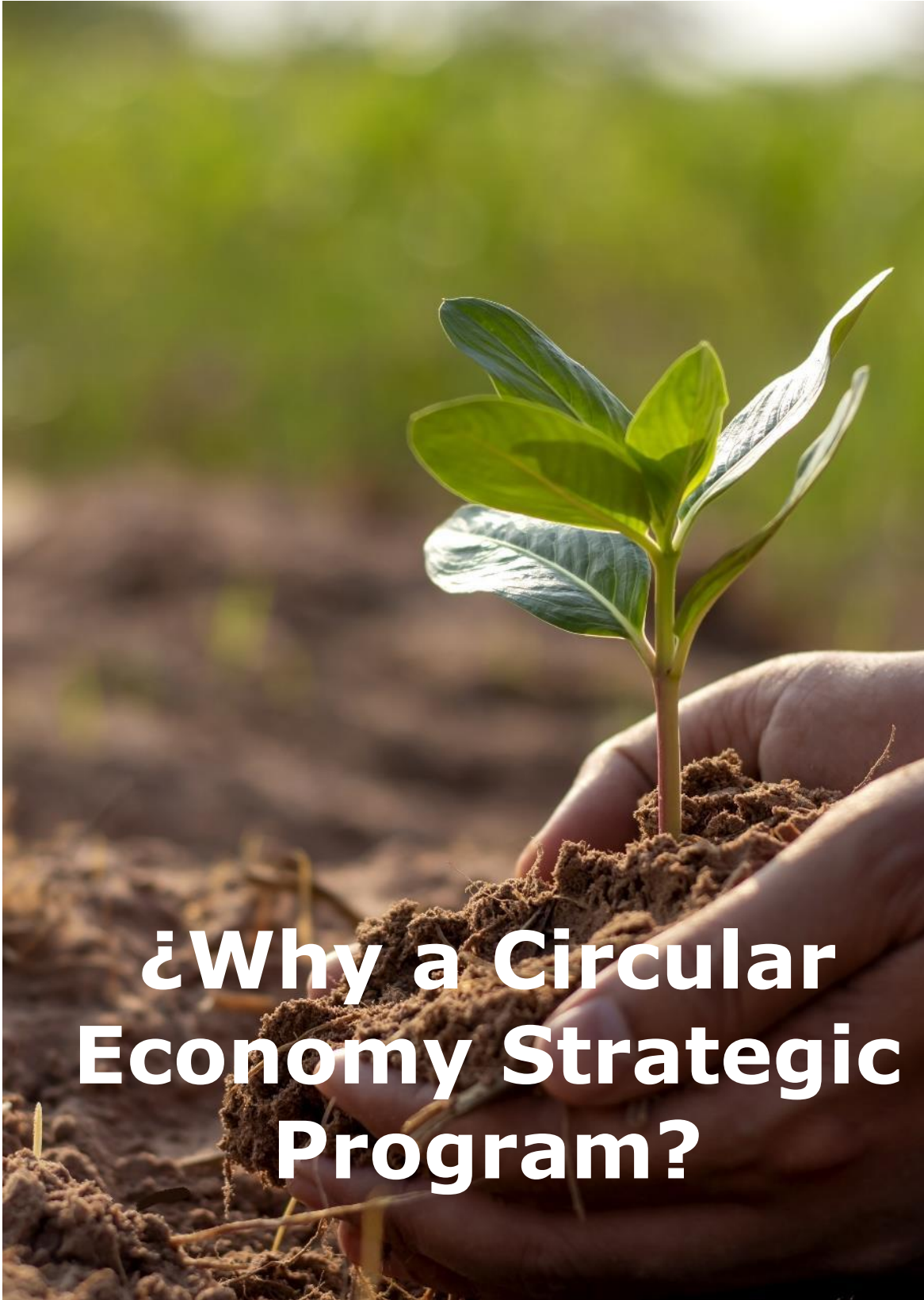


NATIONAL STRATEGICS PROGRAMS



How do we are implementing the Circular Economy Roadmap?





¿Why a Circular Economy Strategic Program?

Chile has the opportunity to foster a new industry

Development of new products, services and circular technologies throughout the territory

Entrepreneurship Support and Business with local production = territorial impact.





Focus

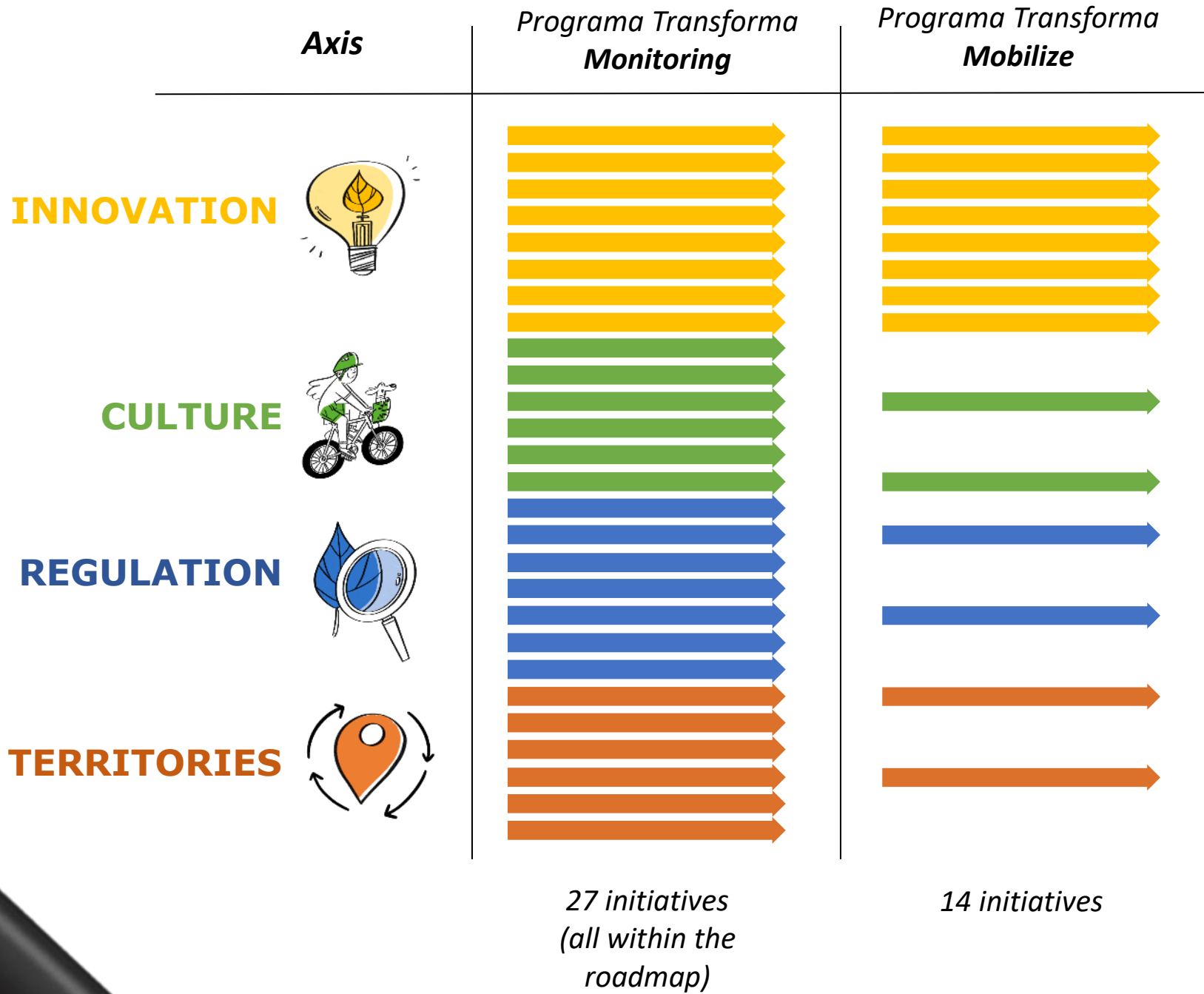
To reduce technology and competitiveness gaps in strategic sectors of our economy

Gather stakeholders with shared vision

To work with innovation ecosystems through industries challenges in each region

To develop circular value chains into territories







territorio circular

Accelerate the transition towards the circular economy in Chile, promoting sustainable development in the territories based on linkage opportunities between the industry and the ecosystem of innovation and entrepreneurship.



Private-Public initiatives for the development of a sustainable industry and Circular Economy

✓ Innovation

- ✓ Open Innovation Program 2 Calls – Circular Economy in Construction and Food Sectors
- ✓ Platform Innova Impacta and EcoImpacta Corfo
- ✓ Technology Center: Circular Economy – Electromobility - Clean Technologies (Lithium)
- ✓ Mining Tailing Recovering Consortia

✓ Territories

- ✓ Clean Production Agreement
- ✓ Green Hydrogen Strategic Plan
- ✓ Regional Innovation Strategic Plan: Focus Circular Economy

✓ Culture & Education

- ✓ Diploma course: Eco-design for the new Producer Extent Responsibility Law; Agroindustry Waste Management Normative and Techniques & Economy circular for Changes Leaders



Around \$260 MMUSD
10 years Public Fund

Innovation

Open Innovation Call
Challenge

HOW DO WE AVOID THE LOSS OF
RESOURCES IN CONSTRUCTION AND
NEGATIVE EXTERNALITIES?



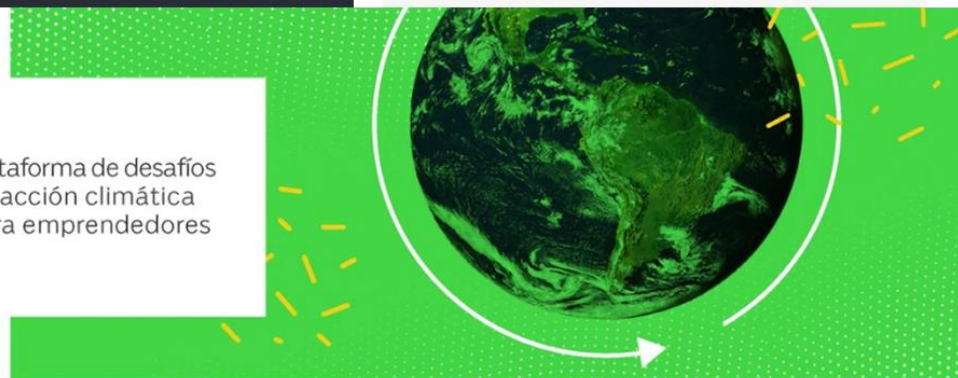
INNOVIMPACTA
CORFO



ECONOMÍA CIRCULAR
y modelos de negocio circulares



Plataforma de desafíos
de acción climática
para emprendedores



Territories





Learning and Recommendation

1. Bottom-Up Projects from Territories and Shared Vision
2. Build public- private projects with clear challenges
3. Promote collaborative innovation and Industrial Symbiosis
4. Public – Private Coordination towards resolve gap for inclusive economic recovery (Mesas Ejecutivas)





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