







Economy of Chile

- Open economy & solid macro-economic policy
- Land with the highest number of trade agreements: more than 60 with 4,2 billion potential consumers
- Last decades one of the fastest growing economies in the region: growth 2019 1,5%
- 'Ease of doing business'
- Poverty: from 40% in 2000 -> 8% in 2017
- GDP 2019: USD 282 billion
- Unemployment: 7,0%
- FDI: Netherlands in top 4.
- Inflation: 3%
- Chile springboard for the rest of the continent



Main sectors



Mining

World's main copper producer (32%), nitrate (100%), jodio (58%) and lithium (45%) and the 6th main silver-producer



World's 2nd largest producer



Wine World's 4th exporter after 3 main European countries
World's 5th largest producer



Agro forestry

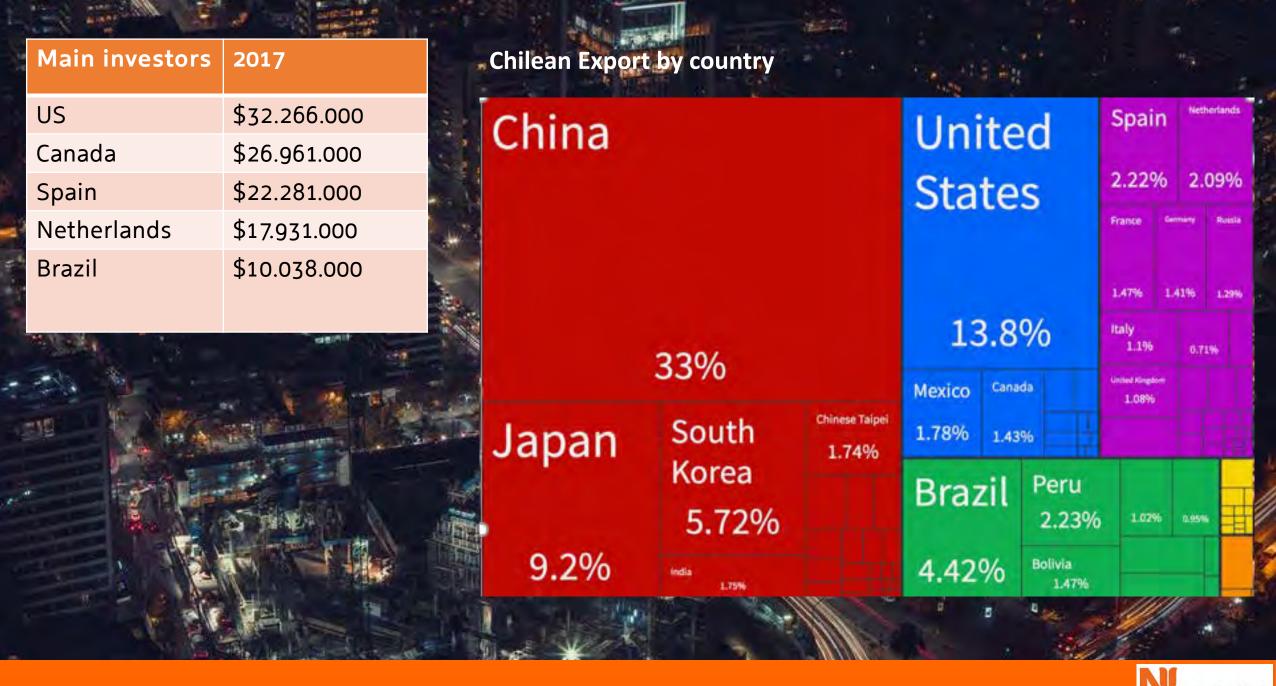
Top 10 in cellulose Market leader in Latin-America



Fruit

Largest exporter worldwide in blue berries, grapes, cherries, and dried apple



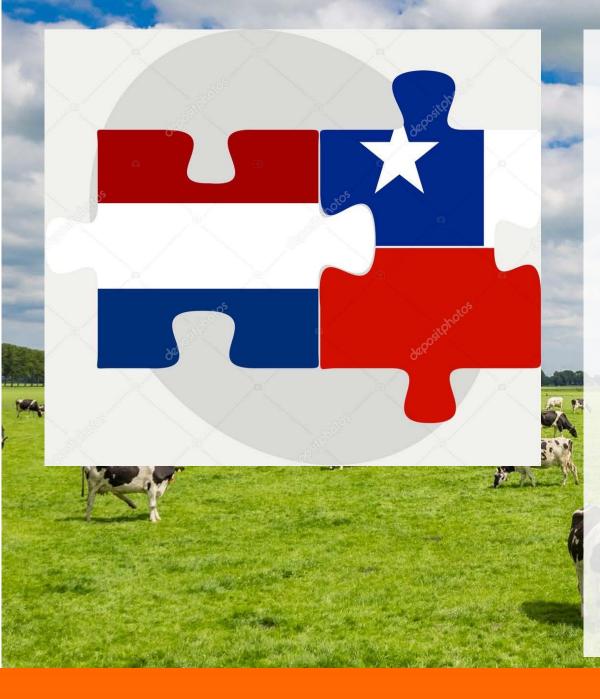




Chile & climate change

- Chile is amongst the top 10 countries that will be most impacted by climate change
- > Chile strives to be climate neutral in 2050
- COP25 cancelled
- Together with the Netherlands part of the group that lobbies for more ambition regarding the Paris-agreement
- Interested in circular economy and circular agriculture
- Pandemia, protests -> recession. However climate ambitions still stand, and have even been enhanced.





Support for Dutch companies

- Contribute to creating 'level playing field'
- Direct services: trade questions, sector studies, matchmaking, establish contacts and support with RVOinstruments (subsidies)
- Holland branding
- E-embassy: platform combining trade, consular and economic information and services, in cooperation with Holland House, like webinars, e-trade missions, einformation seminars, e-matchmaking, and more.
- Holland House: a platform for networking, organizes impactful events and delivers services to companies active or interested in commerce between The Netherlands and Chile.
- STG-EA@minbuza.nl / gerente@hollandhouse.cl



1. Chile at a glance



GDP 2019 US \$282 bn

Exports
US \$70 bn (2019) / (US\$ 17 bn during T1 2020)
Imports
US \$66 bn (2019) / (US\$ 15 bn during T1 2020)

Population 18 million

GDP p/capita (PPP) US \$26,000 (#1 in LATAM)

CB Interest rate 0.5%

Inflation 2019 3% (2000-2019: 3.2% average)

FDI US \$15 bn (annual average past 20 years)

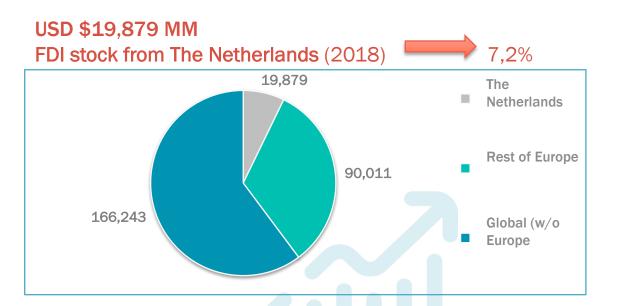
"Small country, great economy







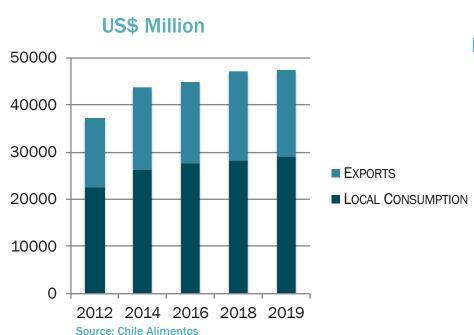
Stock FDI The Netherlands in Chile



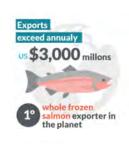




Food Market in Chile



In average 60% is domestic consumption







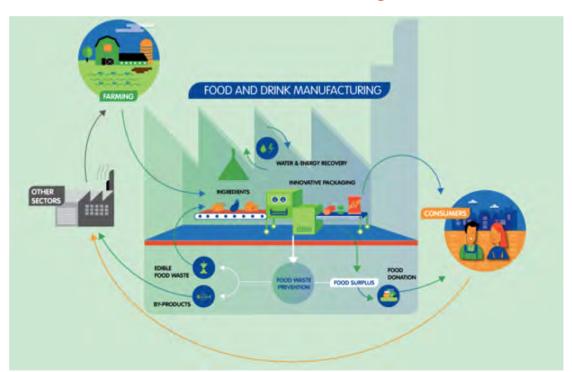




Chile, heading to be a sustainable country









At every stage of your project:









Free- of-charge

PRE-INVESTMENT

LANDING

RE-INVESTMENT

specialized services:



KNOWLEDGE

FDI statistics, business opportunity

facts & figures, market & sectorial highlights, legal & tax information,

reports & studies.

PROSPECTION

PROMOTION

Investor delegations, B2B meetings, investment roadshows, conferences & workshops.



GUIDANCE

Expert sector managers, contact with key players, site visits, government programs

incentives, public-private portfolios & public tenders.



SUPPORT

Ongoing assistance for landing & expansion, specialized advisory, policy advocacy.

Over 700 companies advised each year! Find it all with InvestChile!





InvestChile

#InvestChileTools to power up your business

QR codes are back!

BROCHURE

Our brochure 'Chile, the Place to Build Your Future, as well as, some of the previous tools are available in: Mandarin (*中文), Spanish, Portuguese, Japanese & German.

INVESTOR'S GUIDE

*中文

A complete guide to setting up your business operations. Steps for landing / Incentives for Foreign Investment / Intellectual Property /Tax structure of Chile / Environmental Legislation / Visas and Foreign Citizens /Personal Data legislation / Labour Laws and Social Security.

INVESTCHILE MAP

*中文

This map will guide you to your next business. The energy of the north... the dynamism of the centre... the richness of the south... each Chilean region offers unique investment opportunities.

INVESTMENT PORTFOLIO

This public-private portfolio includes +120 projects in different sectors such us: Infrastructure, tourism, energy & mining.

SCAN & DOWNLOAD









Follow us in



CONTACT US / info@investchile.gob.cl

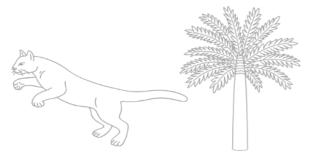
Ahumada 11, floor 12th / Santiago, Chile Postal code 8320312 / (+56 2) 26639200



Towards a Circular Chile

Guillermo González Head Circular Economy Office

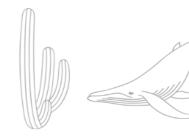
August 25, 2020















AGENDA

- 1. The circular economy office
- 2. Extended producer responsibility
- 3. Other key regulatory issues
- 4. Circular economy roadmap

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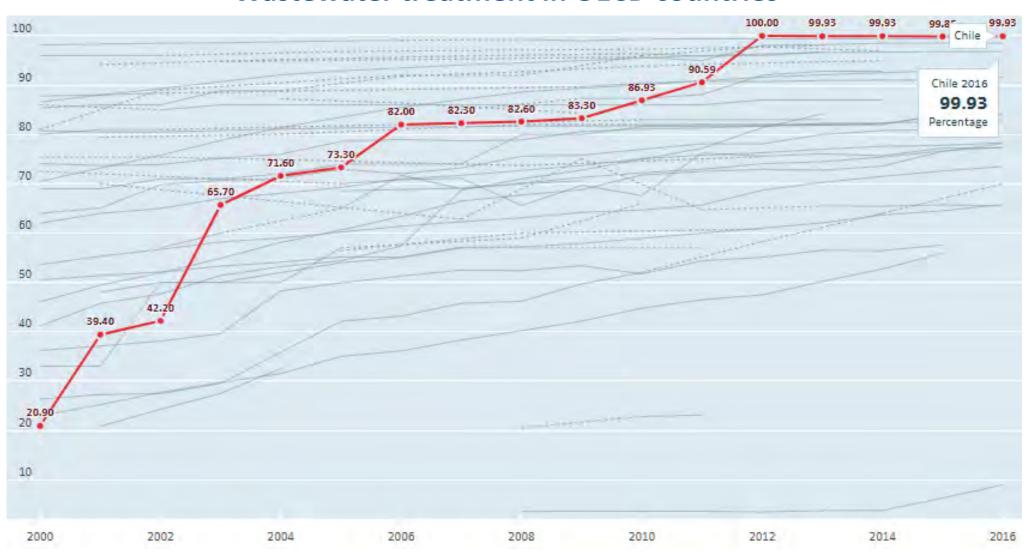


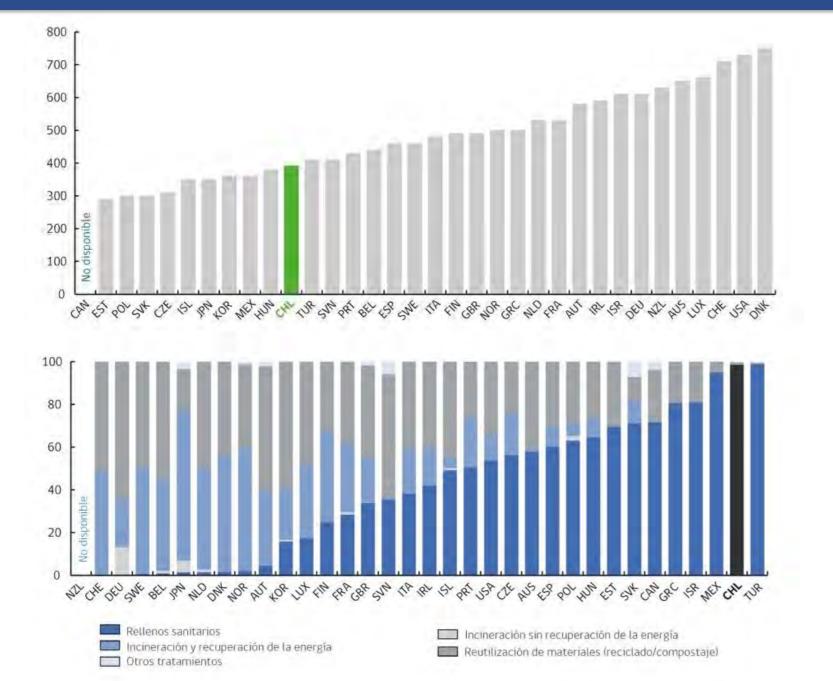






Wastewater treatment in OECD countries





OECD COUNTRIES

Annual municipal solid waste generation (kg per person)

Municipal waste treatment

ENVIRONMENTAL PERFORMANCE REVIEW CHILE 2016 (OCDE)

A GREAT OPPORTUNITY



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EXTENDED PRODUCER RESPONSIBILITY SCHEME











Lubricant Oils



Household batteries



Electric and electronical equipment

LEGISLATIVE AND REGULATORY TIMELINE



Jan Rulemaking initiated

Jan
2023

Regulation
comes into
force

TARGETS FOR TYRES

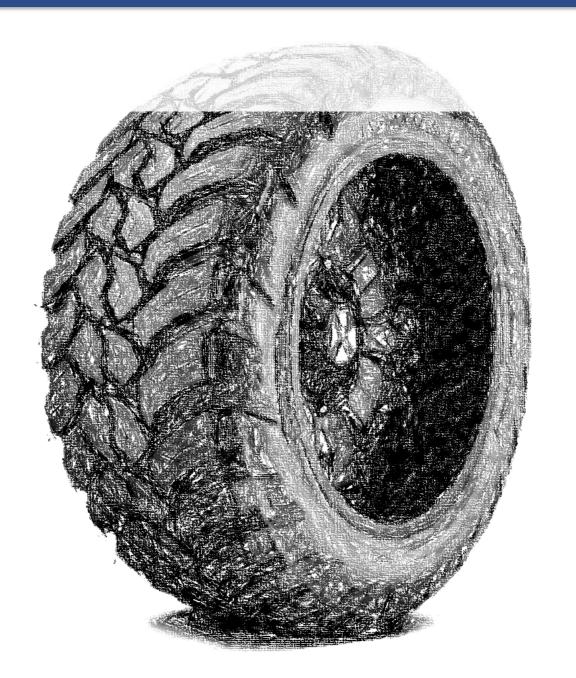


TARGETS FOR TYRES



2018 → **17**%

TARGETS FOR TYRES



2029 → 90%

2019 → **17**%

TARGETS FOR PACKAGING

| Year | Subcategory | | | | |
|---------|------------------|-------|-------------------|---------|-------|
| | Drink cartons | Metal | Paper & cardboard | Plastic | Glass |
| 1 | 5% | 6% | 5% | 3% | 11% |
| 2 | 8% | 9% | 9% | 6% | 15% |
| 3 | 11% | 12% | 14% | 8% | 19% |
| 4 | 15% | 15% | 18% | 11% | 22% |
| 5 | 19% | 17% | 23% | 14% | 26% |
| 6 | 23% | 21% | 28% | 17% | 31% |
| 7 | 27% | 25% | 34% | 20% | 37% |
| 8 | 31% | 29% | 39% | 23% | 42% |
| 9 | 36% | 32% | 45% | 27% | 47% |
| 10 | 40% | 36% | 50% | 30% | 52% |
| 11 | 50% | 45% | 60% | 37% | 58% |
| From 12 | 60% | 55% | 70% | 45% | 65% |

Year 1 starts 30 months after rule is published



COVERAGE TARGETS

| Year | Households nationwide |
|---------|--------------------------|
| 1 | 10% |
| 2 | 20% |
| 3 | 30% |
| 4 | 40% |
| 5 | 45% |
| 6 | 50% |
| 7 | 55% |
| 8 | 60% |
| 9 | 65% |
| 10 | 70% |
| 11 | 75% |
| From 12 | 80% |





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OTHER KEY REGULATORY ISSUES



Organics



Construction



Industrial



Plastics

AGENDA

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Looking at 2040

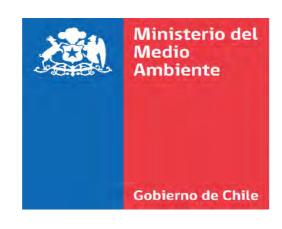




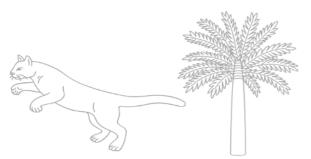
Targets

Min 65% recycling

Max 10% to landfill



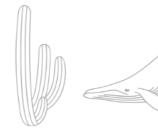
CHILE LO HACEMOS TODOS

























CIRCULA EL PLÁSTICO

WWW.CIRCULAELPLASTICO.CL

SOCIOS FUNDADORES































MEDIA PARTNERS



COLABORADORES



































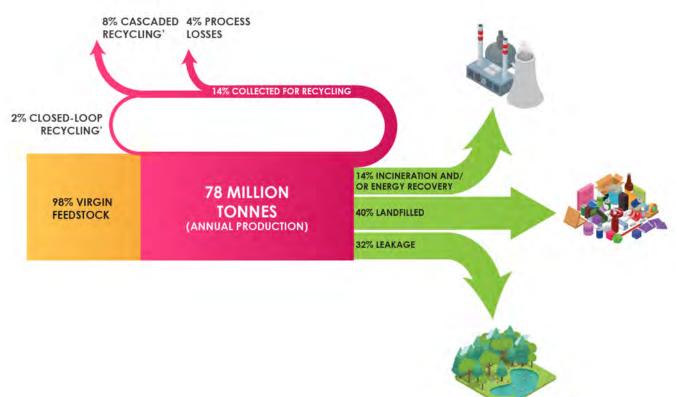






THE CHALLENGE





LINEAR MODEL

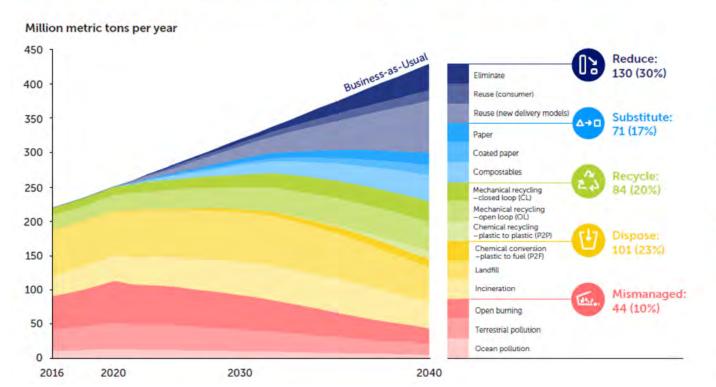
2040 outcomes by scenario







There is a credible path to significantly reduce plastic leakage to the ocean, and it requires all solutions to be implemented concurrently, ambitiously, and starting immediately





Integrated system change achieves social, environmental, and economic benefits

80%

reduction in plastic leakage into the ocean by 2040 relative to BAU US\$70B

saving for governments over 20 years relative to BAU

700,000 jobs created by 2040 relative to BAU

25% reduction in annual

reduction in annual GHG emissions by 2040 relative to BAU

55% reduction in virgin

plastic demand by

2040 relative to BAU

195 metr

reduction in other environment leakage (land and atmosphere

Pew Charitable Trusts and Systemic (2020) Breaking the Plastic Wave

Raise the ambition level

The Global Commitment and Plastics Pact network set a clear direction.

However, we recognise we need to raise the ambition level further, for 2025 and beyond.









ELIMINATE

Set absolute (virgin) plastic reduction targets, underpinned by increased efforts on elimination and reuse

INNOVATE

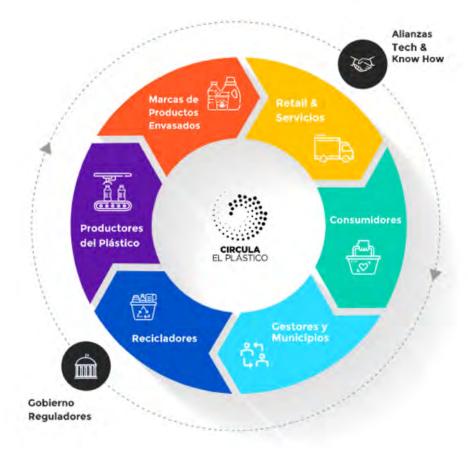
Embark on a well-funded R&D agenda, focused on solutions such as new delivery models and new materials, in particular for flexible plastic and multimaterials (representing 80% of remaining macroplastics leakage into the ocean in 2040)

CIRCULATE

Set up mechanisms
to provide stable, recurring
funding of collection and
recycling where industry pays
its fair share, for example
through Extended Producer
Responsibility (EPR) schemes or
equivalent voluntary initiatives







TARGETS 2025









Take action to eliminate problematic and unnecessary plastic packaging through redesign, innovation and alternative (reuse) delivery models

100% of plastic packaging is reusable, recyclable or compostable

33% effectively recycled or composted

25% average recycled content across all plastic packaging

Roadmap del Pacto Chileno de los Plásticos







SOLUCIONES LARGO PLAZO

SOLUCIONES MEDIANO PLAZO

SOLUCIONES CORTO PLAZO





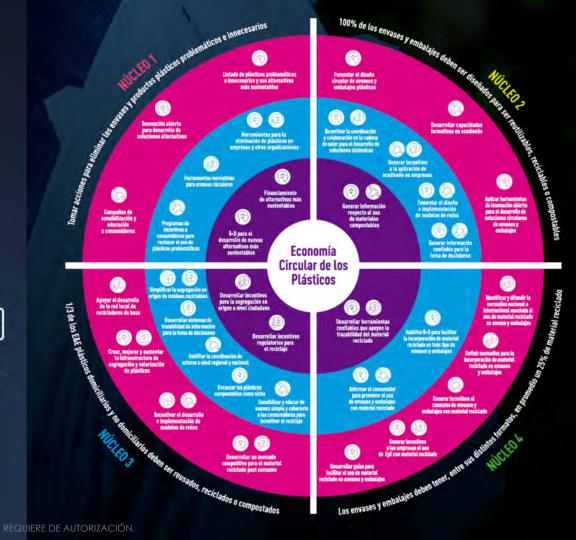




CHITHRA



DIÁLOGO

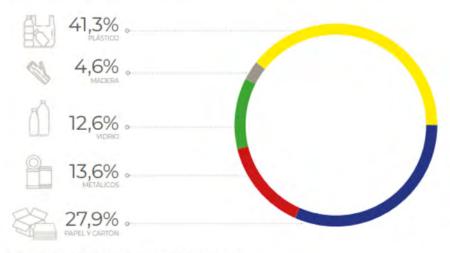


PACKAGING IS A USD 2 BILLION INDUSTRY AND PLASTIC REPRESENTS 41,3%.



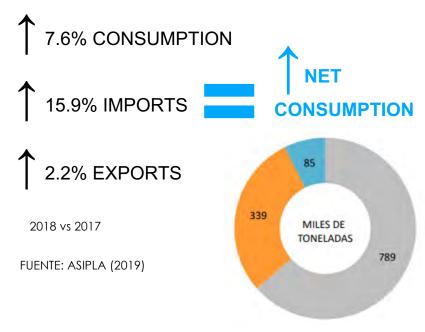
FIGURA Nº 7

PARTICIPACIÓN POR SUBSECTORES DE ENVASES Y EMBALAJES EN VALOR DE LA PRODUCCIÓN



Fuente: Elaboración propio a partir de datas del Anuaria Estadístico 2017 de CENEM (CENEM, 2018)

AND IT IS GROWING...



CHILEAN CONTEXT



PLASTIC PACKAGING



Fuente: Anteproyecto de Decreto Supremo que Establece Metas de Recolección y Valorización y Obligaciones Asociadas de Envases y Embalajes de la Ley REP (Ministerio de Medio Ambiente, 2019)

MAIN PRODUCTION IN CHILE ARE PEBD, PET, PEAD



FIGURA Nº 9

PRODUCCIÓN DE ENVASES Y EMBALAJES PLÁSTICOS EN CHILE



Fuente: Elaboración propia a partir de datas del Anuario Estadístico 2017 de CENEM (CENEM, 2018)

FIGURA Nº 10

IMPORTACIÓN Y EXPORTACIÓN DE ENVASES Y EMBALAJES

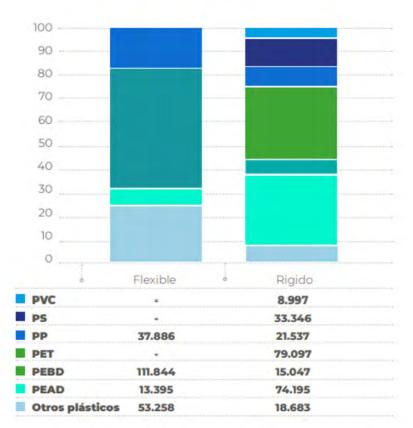


MAIN IMPORTS ARE PP, OTHERS (7), PEBD, PEAD 2,0% - MAIN EXPORTS ARE PEAD, PS, OTHERS (7)

Fuente: Elaboración propia a partir de datos del Anuario Estadístico 2017 de CENEM (CENEM, 2018).

FIGURA N° 13 CONSUMO APARENTE DIRECTO POR RESINA





MAIN CONSUMPTION IN CHILE

FLEXIBLE 46%, RIGIDS 54%

*Flexibles are usually harder to recycle

*recycling mecanisms in Chile are mainly for rigids.





MAIN USERS OF PLASTIC PACKAGING:

1. FOOD

>50%

2. BEVERAGES

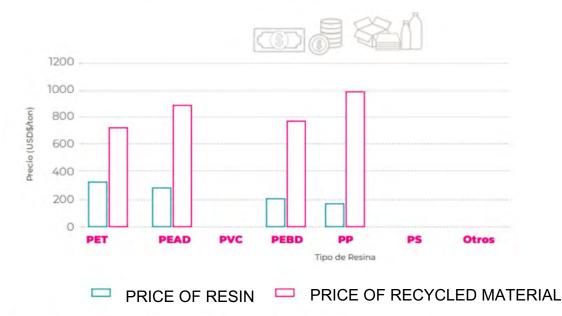
3. CHEMICAL INDUSTRY

4. AGROINDUSTRY

5. SUPERMARKETS/RETAIL

Fuente: Elaboración propia a partir de datos del Anuario Estadístico 2017 de CENEM (CENEM, 2018).

PRICE OF PURCHASE OD THE RESIN VS PRICE OF SALE ON THE RECYCLED RESIN



Fuente: Anteproyecto de Decreto Supremo que Establece Metas de Recolección y Valorización y Obligaciones Asociadas de Envases y Embalajes de la Ley REP (Ministerio de Medio Ambiente, 2019)

SALE PRICE OF RECYCLE DELASTICO MATERIALS

- 1. PP
- 2. PEAD
- 3. PEBD
- 4. PET



73,92% OF PLASTIC
RECYCLED IN CHILE IS PE &
PP *Mainly non-household

17,88% IS PET

*Mainly household

INTALLED CAPACITY ALLOWS A 52% INCREASE IN GRINDING AND 43% IN PELLETIZATION

DRIVERS



EPR LAW

- Recycling targets per
 - material (45% in year 12 for plastics)
- Separate collection coverage obligations (80% in year 12)

Single-use plastics law (in discussion)

- Ban of certain plastic elements in delivery
- Promoting reuse in food establishments
- 25% rPET in bottles by 2025
- Promoting return-schemes

Packaging Ecolabelling

- Measures recyclability and
- identifies >80% with certification
- Information on how to recycle



DESIGN

COLLECTION

SEPARATION /
PRE-TREATMENT

RECYCLING

RECYCLAT DEMAND

| CHALLENGES | PACT INITIATIVES |
|---|--|
| Promote reuse models | B2B reuse projects and guidance B2C reuse exploration and collaboration Regional Reuse seminar |
| Design-out non-recyclables (strategy for flexible and multimaterials) | Design for recyclability guide |
| Align designs for similar types of products | Industry collaboration agreements |
| Incorporate more recycled material in new packaging | Guidance for recycled material in packaging Regulatory study on incorporation of recycled material in food packaging |
| Know when to choose compostables | Compostable guidance |
| Redesign problematic plastics and eliminate unnecessary packaging | Problematic and unnecessary plastics guide |
| Innovate in the design of new functionalities, models and materials | Open innovation platform |



DESIGN

COLLECTION

SEPARATION /
PRE-TREATMENT

RECYCLING

RECYCLATI DEMAND

| CHALLENGES | PACT INITIATIVES |
|---|---|
| Increase the coverage of separate waste collection | EPR Law + initiatives to promote recycled material demand (from packaging + other sectors) |
| Increase the quality of collected recycled materials (decrease rejection) | Citizenship education - Educational programs |
| Create a strong culture of separation at origin / eliminate the culture of disposability | Public awareness campaigns |
| Generate an incentive / obligation for separation at source | Campaigns and incentive models for citizens |
| Solve municipal contracts with waste managers that are long-term and take it to the sanitary landfill, delaying the generation of contracts with recyclers. | Study of regulatory barriers / opportunities to increase the capacity of collection, separation, pre-treatment, recovery. |



DESIGN

COLLECTION

SEPARATION / PRE-TREATMENT

RECYCLING

RECYCLATE DEMAND

CHALLENGES

Development of automated separation plants (they do not exist today).

Development of identification and traceability technologies - Holy Grail

Recycling capacity gap: beverage cartons, a technology that does not exist in Chile and is very expensive. There is a demand for the cardboard but it does not support the process.

Investment in new technologies and optimization of processes

PACT INITIATIVES

Study of regulatory and technological barriers / opportunities to increase the capacity of collection, separation, pre-treatment, recovery.

Detailed Plastic Flow study



DESIGN

COLLECTION

SEPARATION / PRE-TREATMENT

RECYCLING

RECYCLATE DEMAND

CHALLENGES

Driving demand from other sectors and in new packaging.

Gap to recycle PS, it does not exist because it is expensive and there is not a high demand for the recycled material. Transportation becomes very expensive and the process becomes more expensive than the sale price.

PACT INITIATIVES

Study of the plastic market in other sectors and potential demand of recycled material.

PS industry group

OUR GOVERNANCE FOR EXECUTION

COMMUNICATIONS

COMMITTEE







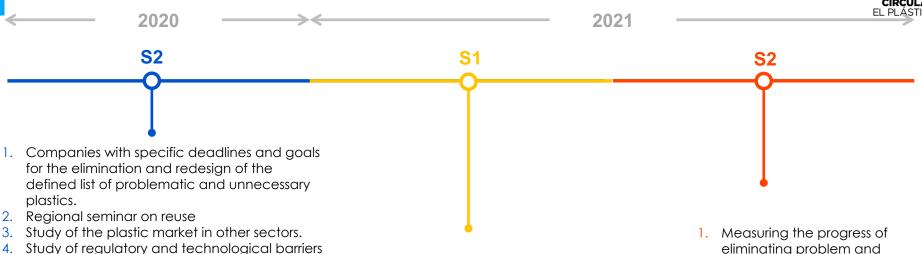
TECHNICAL

COMMITTEE



Chilean Plastics Pact results 2020 - 2021





recovery.5. Communication guide to ensure good practices.

collection, separation, pre-treatment,

6. Circular Economy Capsule on TV Educa Chile

/ opportunities to increase the capacity of

- 7. Educational campaign in RRSS
- Study of the national and international regulations associated with the use of recycled material in containers and packaging.
- Definition of at least 2 design guideline agreements in the industry

- Guide for the use of recycled material in packaging
 Compostable elements guidance
- Design for recyclability guide
- 4. B2B reuse guide and projects
- BZB reuse guide and proje
 Plastics flow study
- Training for intermediary consumers
 - CE regulatory table launch
- 8. Guide to home delivery and online shopping
- . Call for entrepreneurship

- Measuring the progress of eliminating problem and unnecessary plastics
 Ecodesign projects - design
- guide for recyclability

 Reuse B2C alliances
- 3. Reuse B2C alliances
 4. Instances of attraction to
- investors
- 5. Informal recyclers project
 - CE educational programs.
 Definition of at least 3 design guidelines agreements in the industry.









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COLABORADORES















































Eurochile Business Foundation

Linnet Solway 25th August 2020





28 April 2016

COMPANIES THAT TOOK PART IN ENVIRONMENTAL BROKERAGE EVENT HELD ABOUT 150 MEETINGS

Forty companies from 14 EU countries, led by Daniel Calleja, director general of Environment of the European Commission, met with 60 Chilean companies in a brokerage event organized by the Eurochile Business Foundation.

About 150 business meetings, at an average of three per company, held a hundred companies from Europe and Chile that participated in the brokerage event organized by the Eurochile Foundation as part of the mission of Circular Economy led by the Environment Director General of the European Commission (EC), Daniel Calleja.

The delegation was visiting Chile to present the project on Circular Economy, a concept that refers to the change in the model of linear economy (produce, use, throwaway) into a circular pattern (produce, use, re-produce), as occurs in nature. Among its activities, the delegation also visited Pablo Badenier, Minister of Environment, with whom they launched the EU-Chile dialogue on Environment. Chile is the first country this mission visited.

*Chile is the first country with which we establish this dialogue on Circular Economy. This is a new model, a paradigm shift. A model based on innovation, entrepreneurship and sustainability, understanding this not only as a







ORGANIZAN















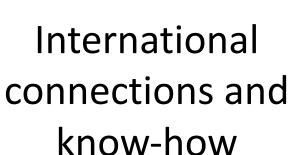
Circular Economy opportunities for EU-Chile cooperation





How do we support companies?







Brokerage events and business meetings



EU & Chilean public-funded projects



Next events

17, 22 & 24 SEPTIEMBRE



MATCH2PACK 2020

RECYCLED MATERIALS
IN FOOD PACKAGING

21-25 DE SEPTIEMBRE

8-10 DE OCTUBRE

SUSTAINABILITY AND CIRCULAR ECONOMY FOR FOOD TECHNOLOGY







THANK YOU

