RIGK-Chile: Circular Economy Projects in Chile

RIGK Forum
November 2019

Content

1. Chilean context today
2. Circular Economy
3. Agricultural Project: Maule
4. RIGK Chile Projects
5. RIGK Chile Future Projects

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Chile, October 2019

"In the middle of convulsed Latin America,

Our country is a true oasis"

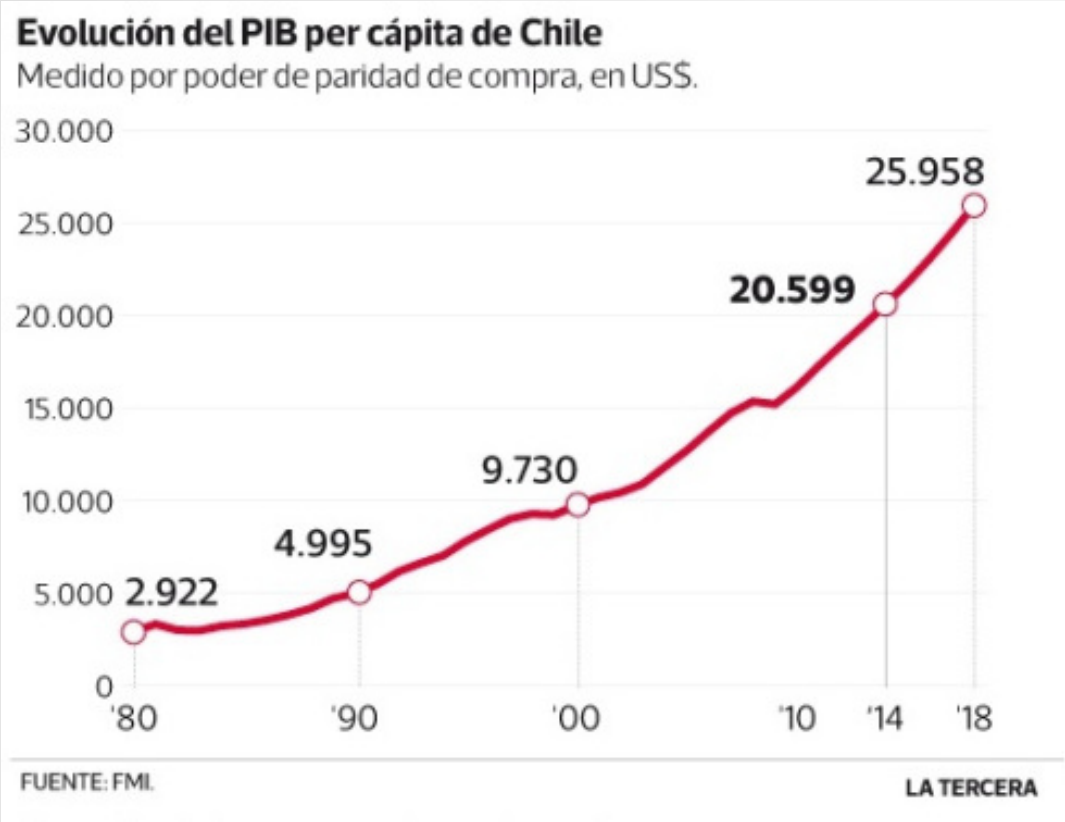
October 8, 2019

Sebastián Piñera, Chilean president

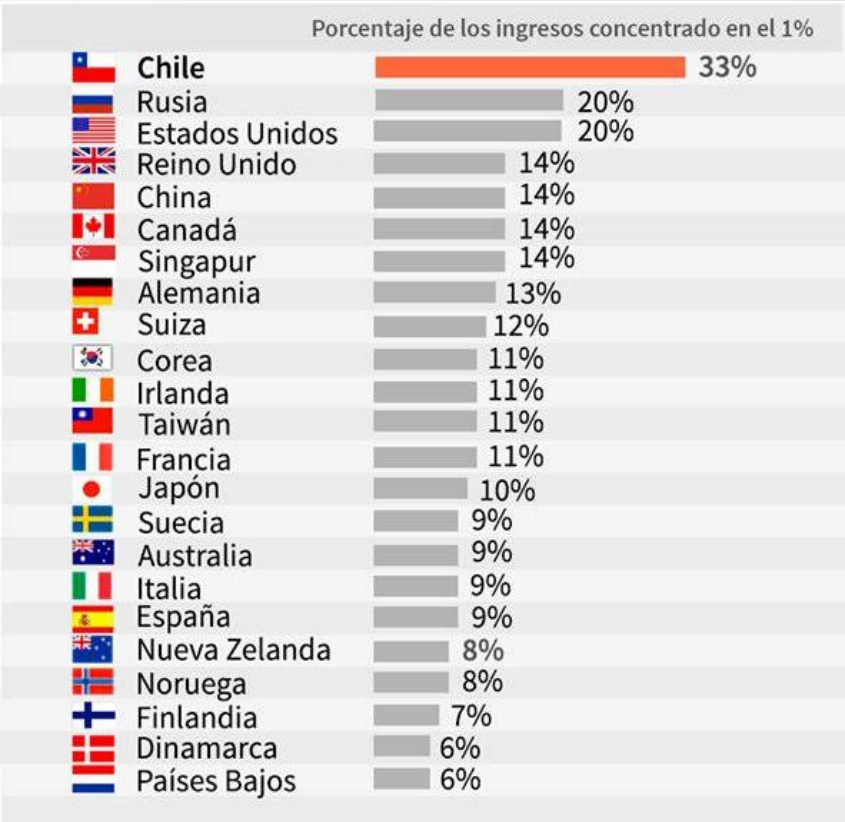
Ten days latter……

October 18, 2019

Chile, the causes of a social crisis



BUT



USD 26.000 Chilean GDP

1% of the richest owns 33% of GDP
50% owns only 15%

Result: Riots and a new types of protesters

Agreement for Social Peace and a New Constitution

The New York Times

ECONOMIC SCENE

Income Gap Shrinks in Chile, for Better or Worse

The New York Times

Opinion

Chile Is Ready for a New Constitution

By opening the door to a new founding charter, Chileans are ready to build their own future — by dismantling the constitutional edifice that Augusto Pinochet left behind.

The Economist | Topics | Current edition | More

Bello

Chile staggers towards a new constitution

The painful birth of a different country

Print edition | The Americas ›

Nov 21st 2019

Today, more than ever we need the support, the experience and the example of Europe

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In the meantime….. Chile has a new EPR Law

Recycling Packaging Targets

Household

Year	Subcategory				
	LPG	Metal	Paper / cardboard	Plastic	Glass
2022	**5%**	**6%**	**5%**	**3%**	**11%**
2023	8%	9%	9%	5%	18%
2024	23%	23%	25%	16%	25%
2025	29%	28%	33%	21%	31%
2026	35%	34%	40%	26%	38%
2027	41%	39%	48%	30%	45%
2028	48%	44%	55%	35%	52%
2029	54%	50%	63%	40%	58%
2030	**60%**	**55%**	**70%**	**45%**	**65%**

POM: 1.257.000 Ton/yr

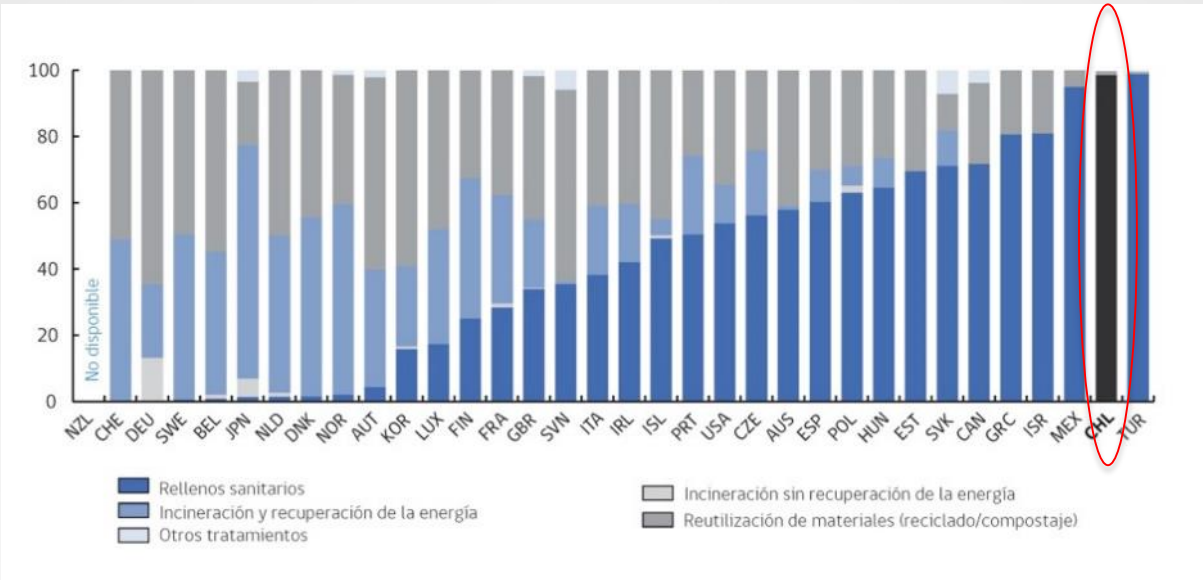
Commercial & Industry

Year	General	Subcategory		
		Metal	Paper / cardboard	Plastic
2022	**30%**	n/a		
2023	40%			
2024	50%			
2025	53%			
2026	n/a	61%	71%	38%
2027		64%	74%	42%
2028		66%	78%	46%
2029		68%	81%	51%
2030		**70%**	**85%**	**55%**

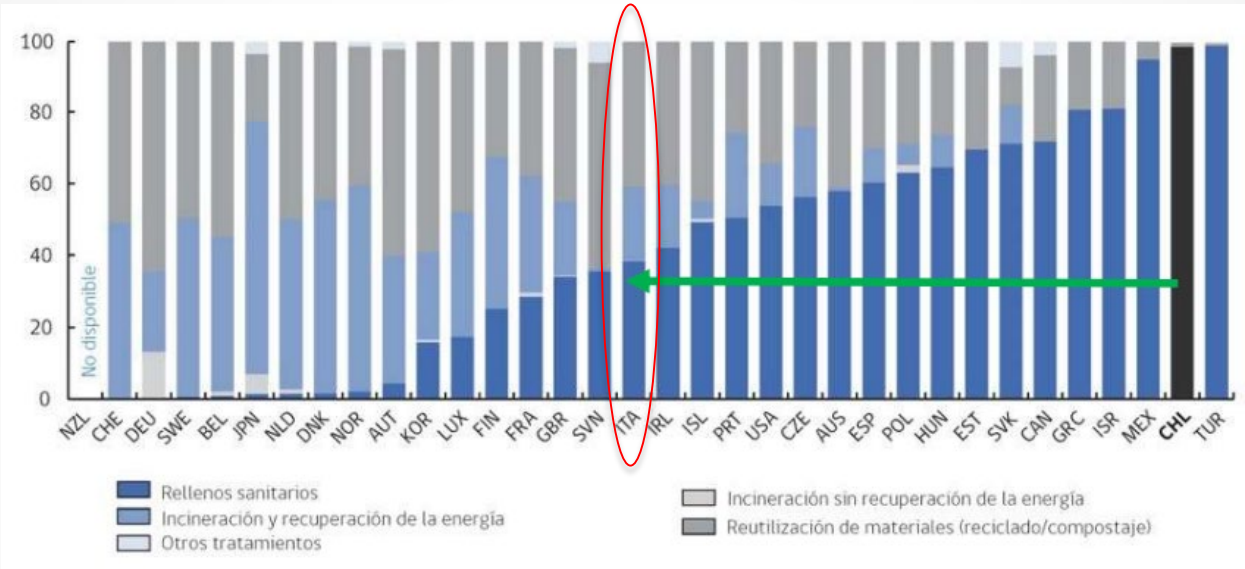
POM: 825.000 Ton/yr

The challenge….

OCDE Municipal Waste Mangement



Chile 2016



Chile 2030

After EPR Law

- Recycling
- Energy recovery
- Landfill

RIGK Chile

- Agricultural Waste: Maule
- IGA waste management
- Electronics batteries study

- C&I packaging
- Agricultural films

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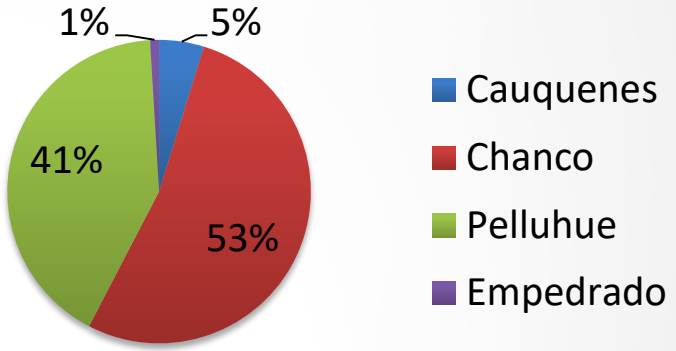
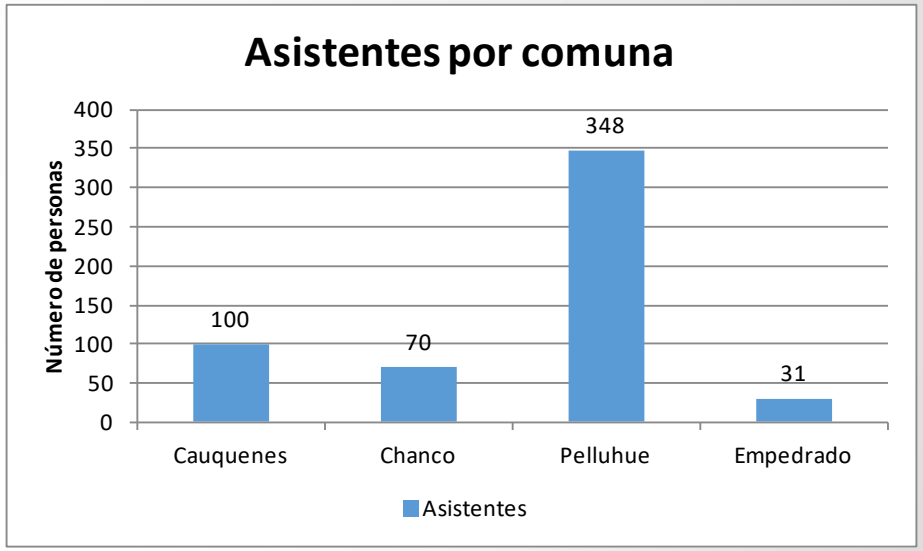
Improvement of the management of agricultural plastic waste in the Maule

- 1.272 ha of strawberry fields in Chile
- 4 municipalities of Maule Region: Cauquenes, Pelluhue, Chanco and Empedrado
- 138 tons of plastic waste per year
- Mulch, irrigation pipes, fertilizer and pesticide packaging
- Mainly little and medium farmers, some of them illiterate



Maule: Training to agricultors

- **500 Attendees mainly little producers:**
  - Impact of the plastic in the fields
  - How to handle the plastic waste
  - Separation of types of plastic
  - triple rinsing of pesticide packaging

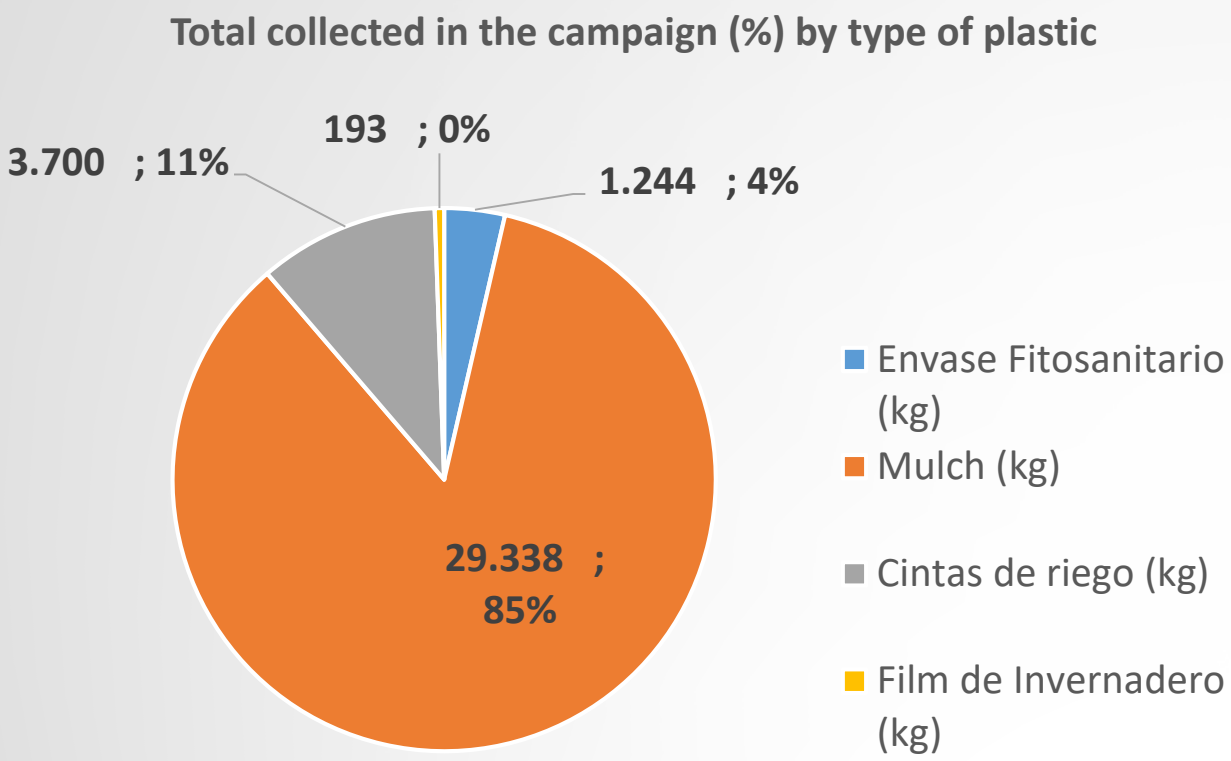


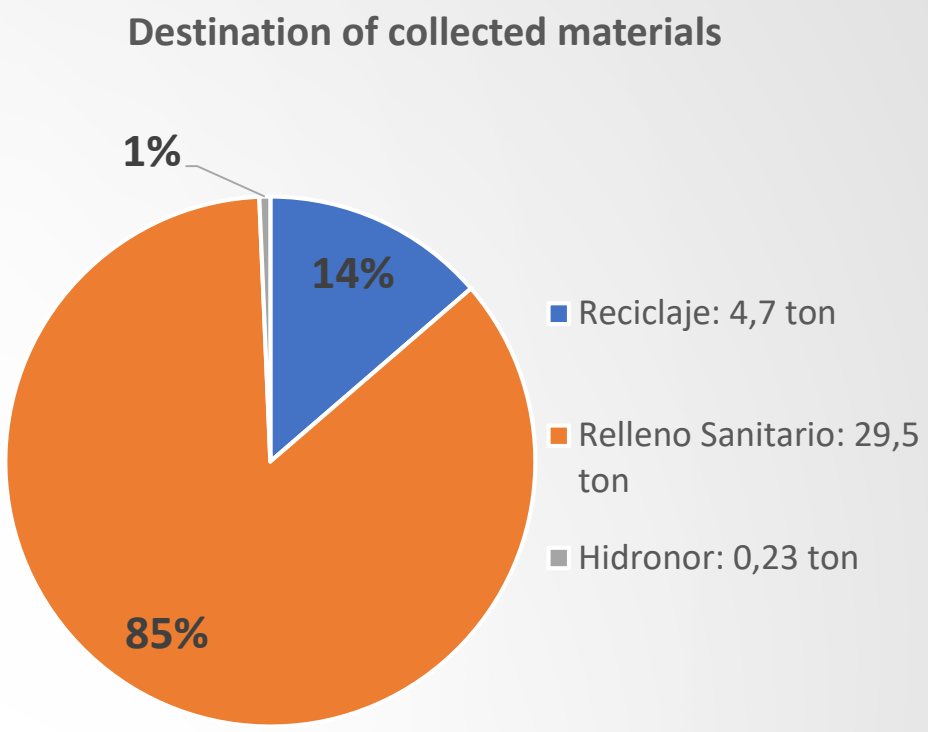
Collection campaign: 1 week

Pelluhue 1 2 Chanco 3 4 Empedrado 5 Cauquenes 6

Collection campaign

Collection campaign: Results





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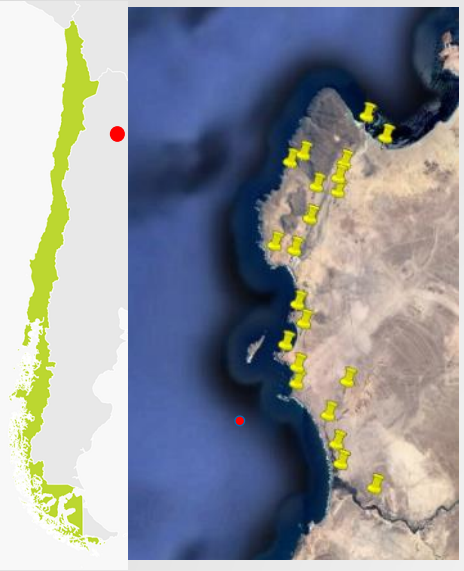
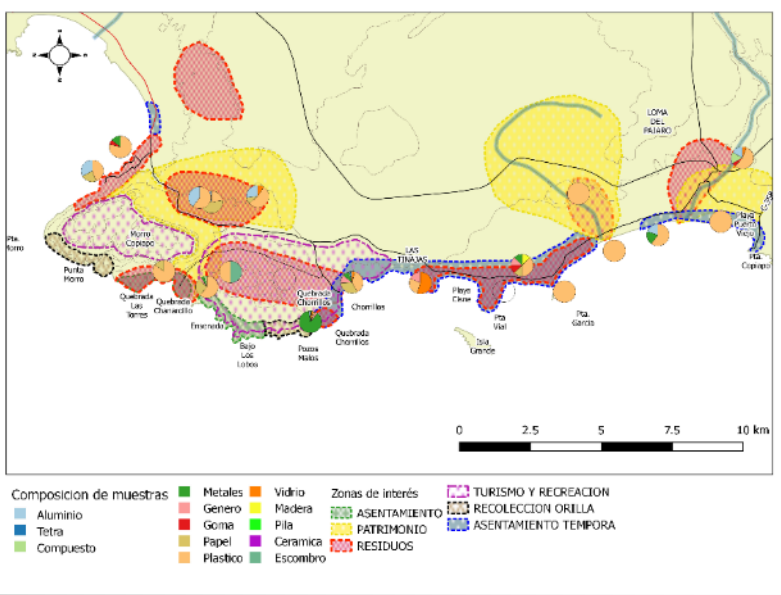
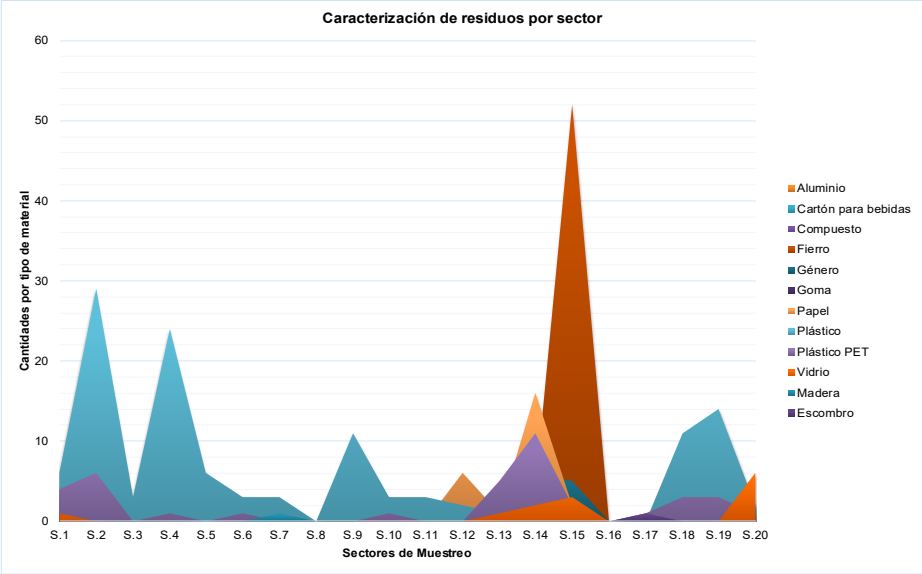
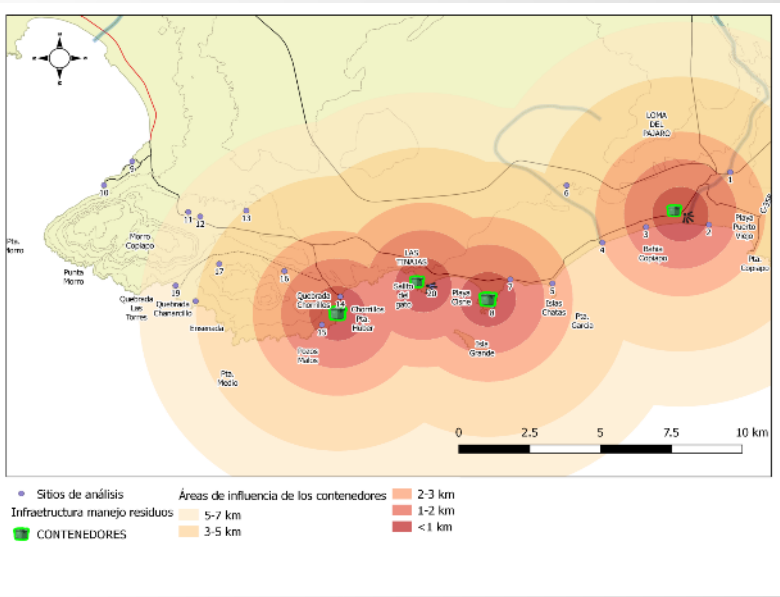
Waste Management strategy for Isla Grande de Atacama Diagnosis

Waste strategy in Isla Grande de Atacama: Analysis









Waste Management of protected area of ATACAMA Big Island: Cleaning Campaign

Industrial & Commercial EPR System in Chile

SOFOFA HUB

4000 Companies
168 Big companies
63 Association

RIGK

27 Years
8 EPR Systems
93% Recycled

/Carey ABOGADOS

Main Lawyers Firm in Chile

valipac POUR UN AVENIR DURABLE

20 Years
7200 Producers
89% Recycled

Today	*30 Jun 2020*	*30 Jun 2021*	*30 Dec 2021*	
Invitation	**Constitution**	**Development**	**Planning**	**Operation**

Press: Kick off C&I EPR system November 7

CIUDAD | CONSUMO Y PRODUCCIÓN | BIODIVERSIDAD | AGENDA 2030

Industria / Ley REP

La alemana Rigk y la belga Valipac se unen para apoyar el desarrollo de un sistema de gestión no domiciliario en Chile

A juicio de ambas empresas, los desafíos en cuanto a las obligaciones que tendrá el sector industrial y comercial a nivel nacional, sumado a las características geográficas y productivas del país, no podrán ser resueltos por un solo modelo de sistema de gestión. En

CAMBIO CLIMÁTICO

Ley REP: Sofofa invita a las empresas a sumarse a su sistema de gestión de residuos

Economía y Negocios

Sofofa lanzó sistema de gestión de residuos para cumplir con la Ley REP

CPC Bío Bío aseguró que es una tremenda oportunidad para las empresas en el sentido de aportar a la consolidación de una economía sustentable.

Por: Javier Ochoa 11 de Noviembre 2019

ACTUALIDAD | SOCIEDAD CIVIL | EMPRENDIMIENTO | CONCIENCIA VERDE

SOFOFA HUB LANZA CONVOCATORIA A EMPRESAS PARA SER PARTE DE SU SISTEMA DE GESTIÓN DE RESIDUOS NO DOMICILIARIOS EN TODO EL PAÍS

Publicado por Diario Sustentable | Nov 11, 2019 | 2019, Conciencia Verde

Qué somos... | Opinión | Português | English

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Conferencia Iberoamericana sobre Objetivos de Desarrollo Sostenible

Medioambiente | Energía | Ética empresarial | Comunidades | Hidro | Inclusión y Diversidad

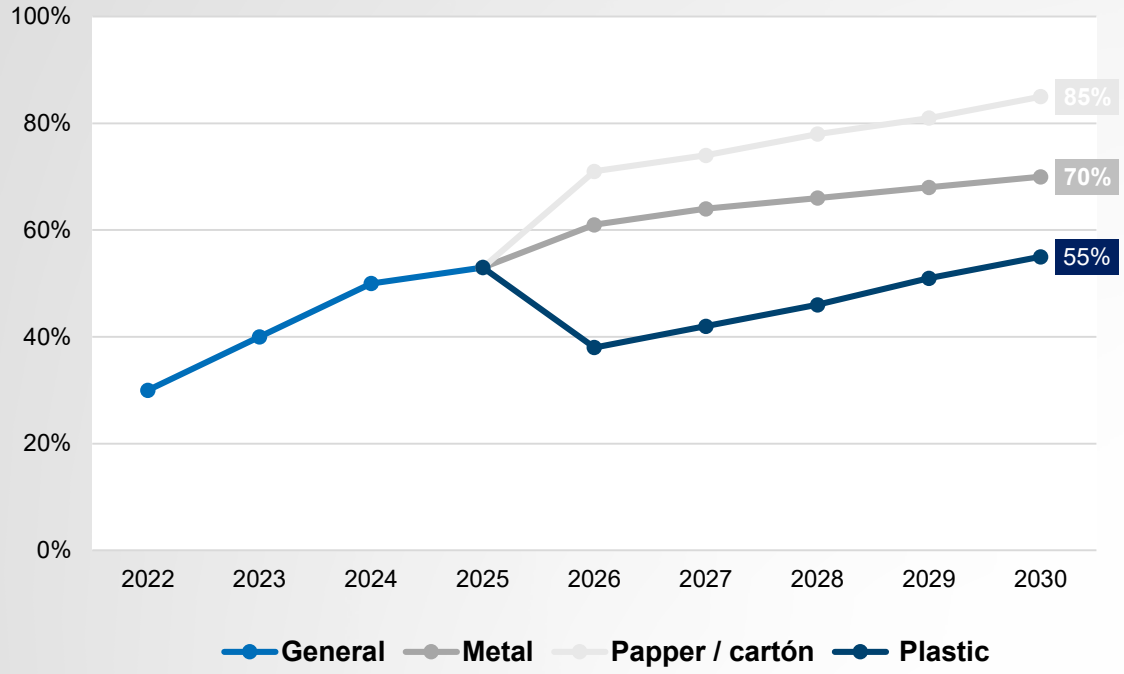
Ley REP: Sofofa lanza convocatoria para su Sistema de Gestión de Residuos

user 11/11/2019 Chile, Ética empresarial No Comment

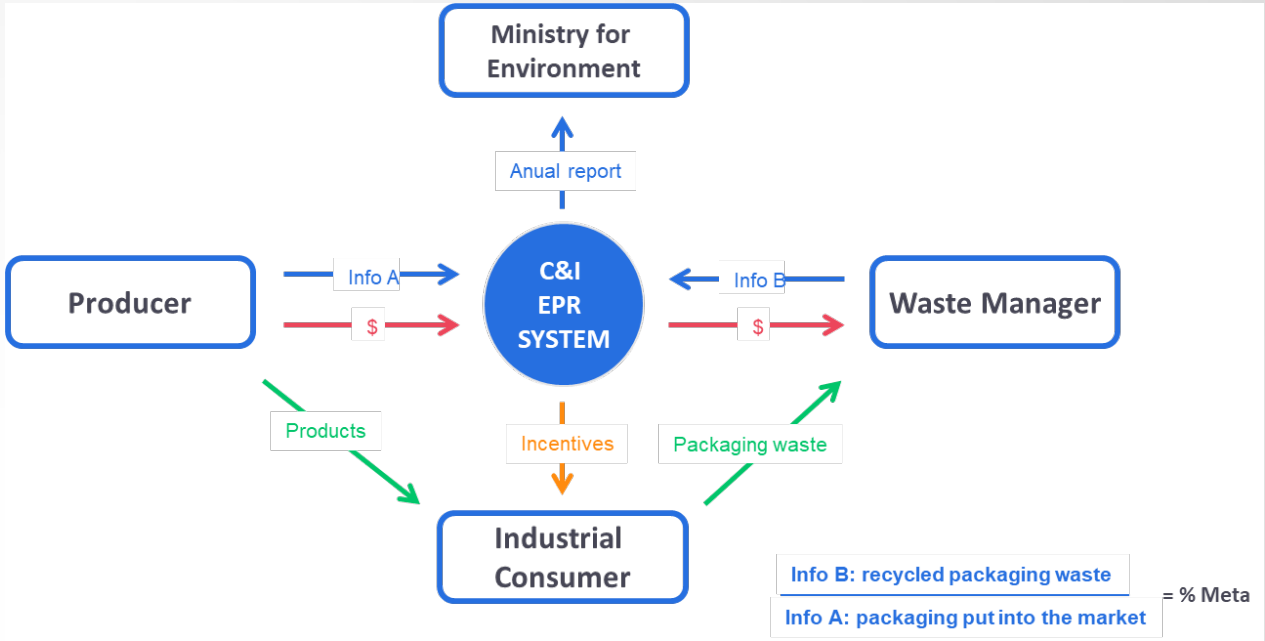
Con foco en envases y embalajes indust

Scheme of the C&I EPR collective system in Chile

C&I EPR targets per material



Monitoring: flux of information and incentives to increase recycling



Subcategoría	Puesto en el Mercado (ton)	Valorización (%)
Metal	24.971	32,5
Papel y Cartón	393.566	82,4
Plástico	406.895	17,6
Total	**825.432**	**49,0**

Fuente: Ministerio de Medio Ambiente (REP Envases y Embalajes)

49%

of C&I Waste is recycled today

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Future Project: Agricultural films EPR system project

Market in Chile:

5000 tons of agricultural films

1000 greenhouse plastic films

- Few recycling
- Mostly imported
- Increasing pressure of farmers and society about de plastic waste in the environment

Thank you very much for your attention!

Muchas gracias!

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