

Chile's Intended Nationally Determined Contribution on Climate Change

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OVERVIEW

- Draft INDC
- Chile's INDC Process
- Key technical resources
- Key institutional arrangements
- Lessons learned and challenges

Discussion of experiences, lessons learned, good practices and challenges encountered in preparing INDCs in developing countries

Draft INDC

1. National Circumstances
2. Mitigation
3. Adaptation
4. Capacity Building
5. Technology Transfer
6. Finance



Mitigation: Two GHG reduction options under consultation process; forest sector with specific target



1. National Circumstances

Chile is highly vulnerable to CC impacts.

Vulnerability at social, economic and environmental level.

High Inequities among population.

2. Adaptation

Chile adopts a concept of **planned adaptation**, in order to facilitate adaptation and resilience of population, its life styles, services, laws, policies and institutions.

3. Capacity Building

Chile has valuable experiences and lessons learned which can be used in wellbeing of all, including UNFCCC peers.

Challenges and opportunities of CC

=> subjects in universities for students and teachers

=> **platforms** for management and dissemination of **information** related to CC.



4. **Technology Transfer**

Chile is lacking **technology strategy** to confront national CC challenges. Although a relevant part of national budget has been designated to technological development and improvement of resilience and CC mitigation, a significant part of related investment and spending comes from *international sources* (Chile's 2020 pledge).

Technology Needs Assessment

5. **Finance**

Chile is lacking CC **finance strategy**.

However, Chile needs national assessment of **possible financing available** and **necessary** to contribute effectively to climate action considering its national circumstances and in line with its capacities and post 2020 agreement.

6. **Mitigation**

A subset of three types of commitments were analyzed:

- Deviation below a *business as usual scenario (BAU)* (%)
- Trajectories (absolute value)
- **Emissions Intensity Goals (ton/GDP)**

Emissions Intensity Goals (ton/GDP)

2025

2030

PIB | Empleo
3.3 a 4% | 2.3 a 3.2%

PIB | Empleo
1.1 a 3.3% | 0.1 a 2.3%

PIB | Empleo
6.7 a 7.4% | 5.5 a 6.3%

PIB | Empleo
3.3 a 6.7% | 0 a 5.5%

30-35%

25-30%

40-45%

35-40%

Opción A

Adicionalmente, Chile se compromete a reducir sus emisiones de CO2 por unidad de PIB en un 30% a 35% por debajo de los niveles del 2007, para el año 2025.

Opción B

Adicionalmente, Chile se compromete a reducir sus emisiones de CO2 por unidad de PIB en un 25% a 30% por debajo de los niveles del 2007, para el año 2025.

Opción A

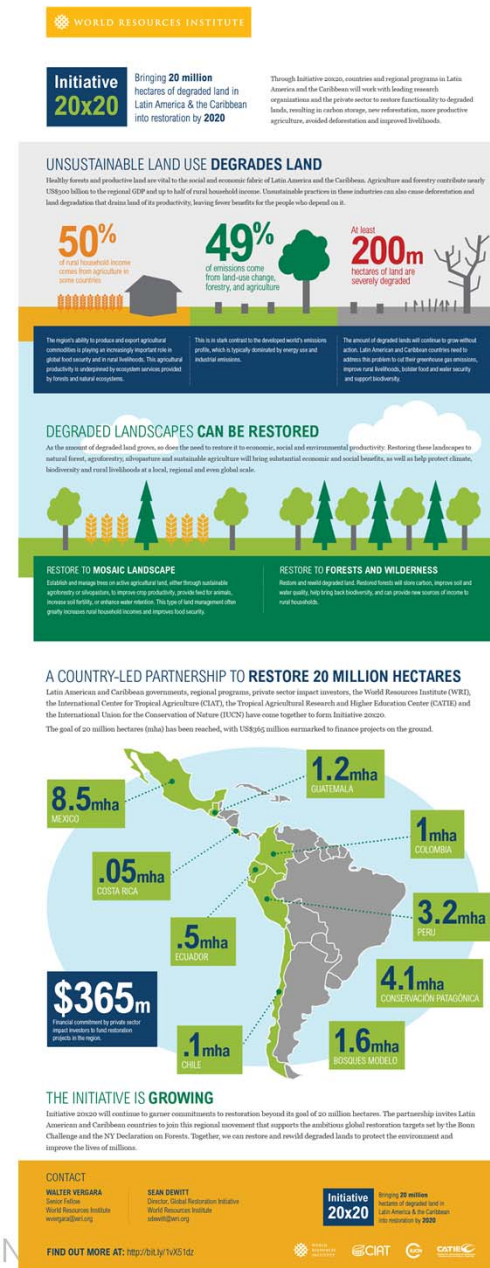
Chile se compromete a reducir sus emisiones de CO2 por unidad de PIB en un 40% a 45% por debajo de los niveles del 2007, para el año 2030.

Opción B

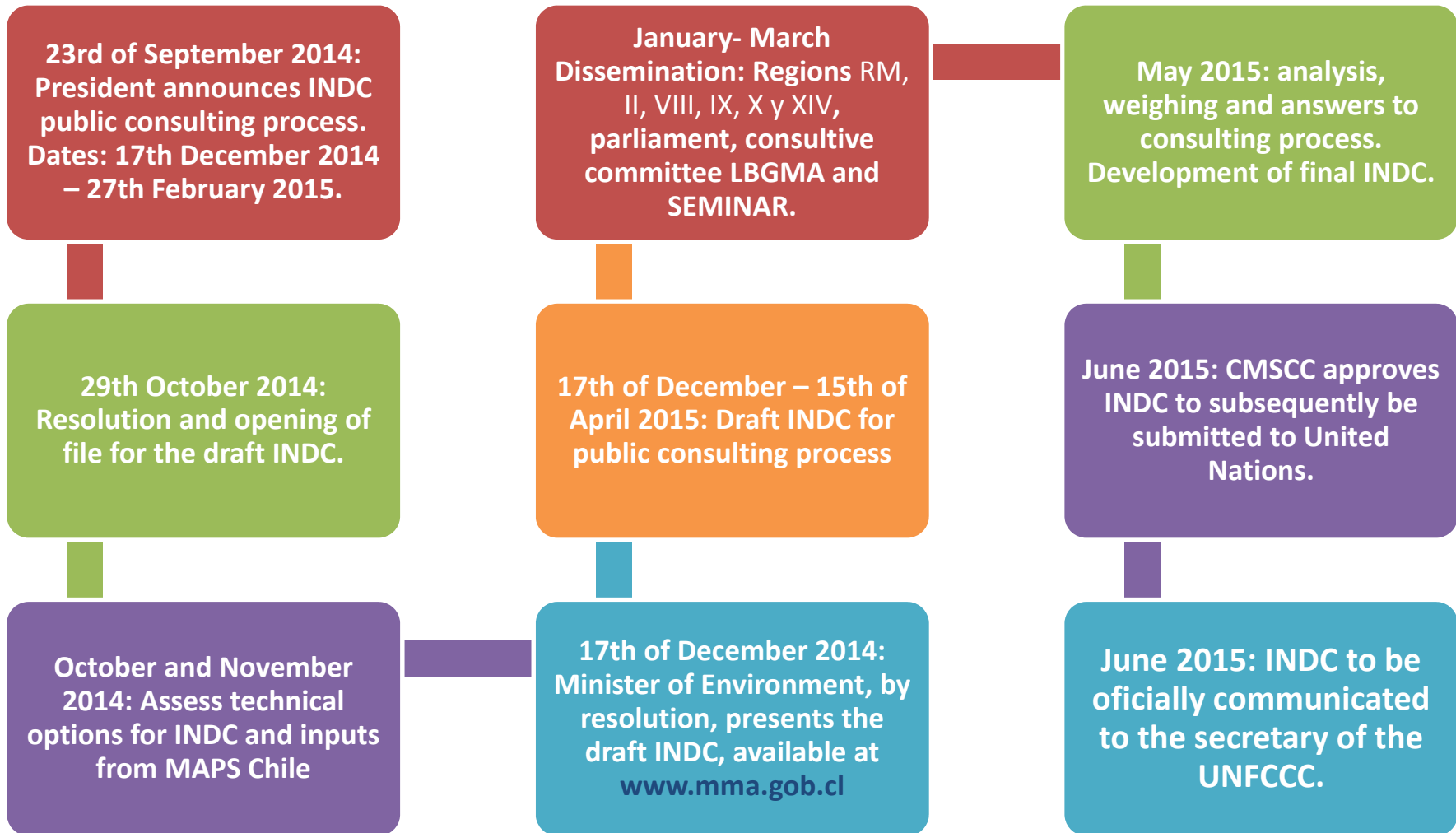
Chile se compromete a reducir sus emisiones de CO2 por unidad de PIB en un 35% a 40% por debajo de los niveles del 2007, para el año 2030.

Specific Contribution for the Forestry Sector

- With its own resources, Chile will restore aprox. 100.000 ha of deteriorated forest land (forestation) with an estimated own investment of approximately US\$250 millions and achieve at least an area of 100.000 ha of managed native forest by 2035.
- The forest contribution, as **dissociated from the GDP**, looks to enhance **environmental attributes** of forests and *not only those purely business oriented that are more associated with comercial plantations and GDP.*



Chile's INDC process



Lessons Learned: Key technical resources for the INDC preparation process

- MAPS-Chile Project
- LECB-Chile Project
- Chile's first Biennial Update Report
- Adaptation Plans
- PMR Project
- NAMAs and other mitigation actions



Lessons Learned: Key technical resources from project



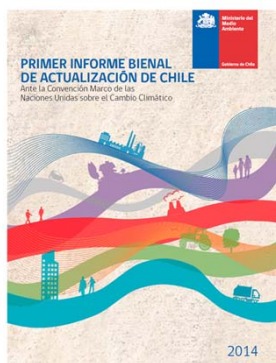
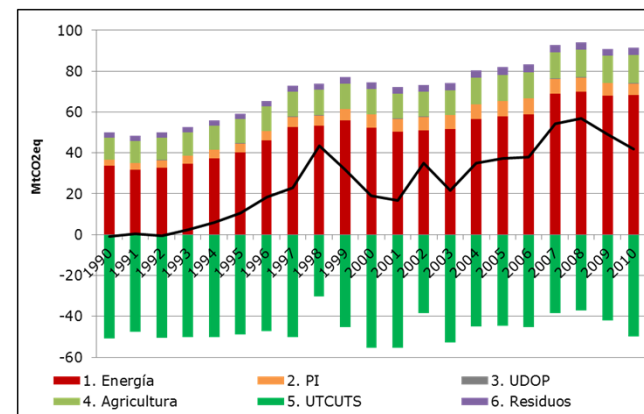
300 participants from NGOs, academy, public and private sector have guided aprox. 100 consultants to build scenarios.

- Required by Science
- Baseline Scenario
- GHG Mitigation Options (96) for Chile:
 - GHG Reduction Potential
 - Costs per ton of CO2 reduced
 - Timeframes
- Many CC mitigation actions generate savings and important economic profit.



Lessons Learned: Key technical resources from the LECB-Chile project

- Updated GHG Inventory: time series 1990-2010
- Generic MRV Framework of NAMAs in Chile
- HuellaChile programme
- Climate expenditure analysis (CPEIR methodology)

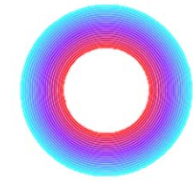
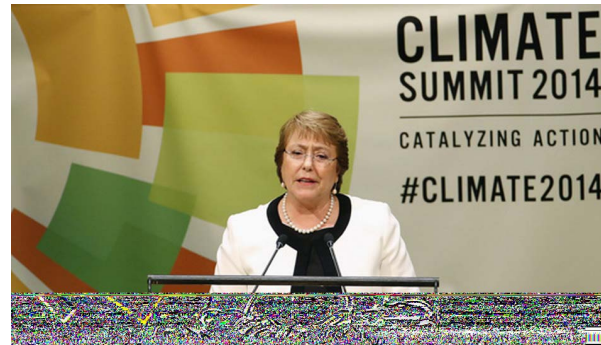


Lessons Learned: Key institutional arrangements for the INDC preparation process

Chile de todos.



Programa de Gobierno
Michelle Bachelet
2014-2018



LIMA COP20/CMP10
THE CLIMATE CHANGE CONFERENCE 2014



Cambio Climático

Debemos configurar nuestra gestión ambiental en forma coherente con la importancia del desafío que implica el cambio climático. El Consejo de Ministros para la Sustentabilidad debe pasar a ser el "Consejo de Ministros para la Sustentabilidad y el Cambio Climático". Este órgano debe elaborar con la máxima celeridad posible, un nuevo plan nacional de acción para el cambio climático con una visión transversal e integrada, que considere tanto la mitigación como la adaptación, mitigación de impactos y capacidades, orientando las medidas adoptadas hacia una economía baja en carbono que beneficiará a Chile: aportarán tanto a la reducción de emisiones de gases de efecto invernadero como a la calidad del aire que respiramos en Chile y a la calidad de vida de los chilenos. Nuestra meta, como mínimo, es cumplir el compromiso asumido por Chile el 2009 en la XV Conferencia de las Partes de Cambio Climático.

MINIST

Lessons Learned: Key institutional arrangements for the INDC preparation process

- Presidential mandate
- Interministerial Council for Sustainability and Climate Change
- Climate Change Department from the Ministry of Environment as coordinating body
- Interministerial and regional climate change focal points
- INDC working group
- National Inventory System

Chile de todos.



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Support received for the Forestry Sector Goal

- WRI has supported quantification of forest sector goal



- Chile participates in Open Book Initiative from WRI to deliver upfront information and to effectively communicate Chile's INDC

- Report Chile's final INDC according to Lima Call for Climate Action requirements





Conclusions: Lessons learned, challenges and next steps

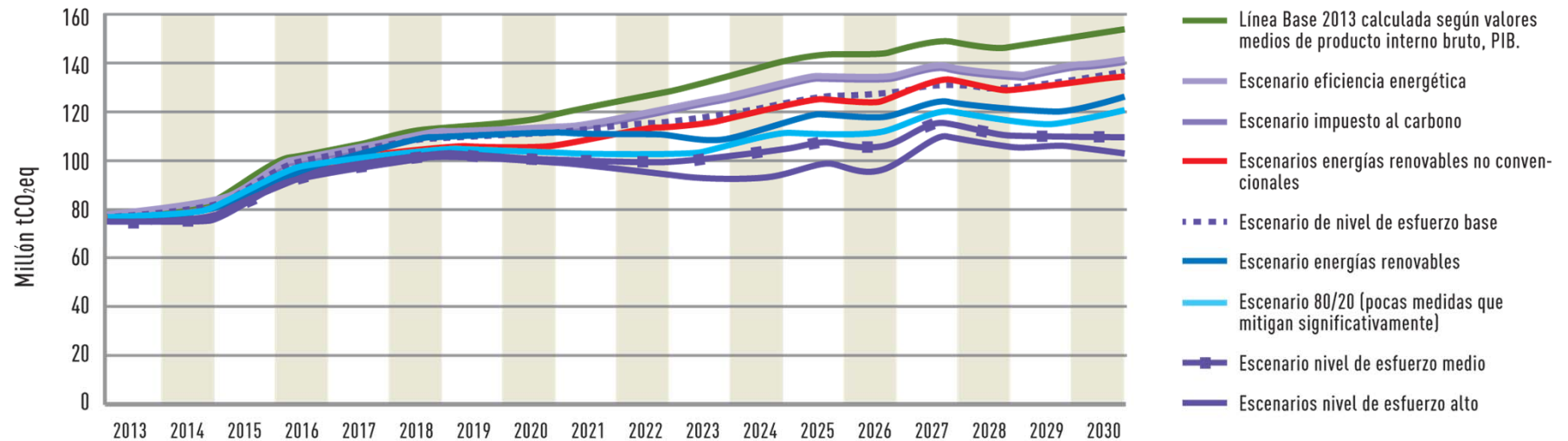
- Lessons learned: Public consultation process as good practice
- Develop and implement Chile's Second Climate Change Action Plan 2016-2021
- Implement MAPS mitigation options
- Private Sector Participation
- Implement a national generic MRV system
- COP21 Paris



Thank you very much!

MAPS 2012-2015 and GHG Mitigation Options for Chile

- Chile can comply with its voluntary mitigation goal of a 20% reduction by 2020, but has to implement specific sectorial measures.



ESCENARIO	PIB		EMPLEO		EMISIONES DE CO ₂ eq	
	2020	2030	2020	2030	2020	2030
Impuesto al Carbono (5 US\$) ⁷	-0.2%	-0.2%	-0.4%	-0.4%	-3.1%	-3.4%
Impuesto al Carbono (20 US\$) ⁸	-0.9%	-0.8%	-1.5%	-1.6%	-12.3%	-13.5%

Source: www.mapschile.cl

-9.3%	Base	0.5%	4.5%	0.5%	3.3%	-8.2%
-23.4%	Verde	-0.3%	6.7%	-0.7%	3.3%	-20.9%
-26.2%	Año	0.5%	7.6%	-0.2%	6.3%	-22.2%
-6.2%	Energías Renovables	-0.6%	3.3%	-0.8%	2.6%	-4.2%
-9.5%	ERVC	0.0%	3.6%	0.3%	0.2%	-3.8%
-15.2%	Energías Renovables	0.5%	3.7%	0.3%	0.2%	-4.5%
-18.8%	80/20	0.2%	3.7%	-0.3%	0.5%	-9.9%