Transition to the Enhanced Transparency Framework (ETF)
Chile

History of Chile's National Reports

SNIChile
Sistema Nacional de Inventarios de Gases de Efecto Invernadero

2012-start preparation

2014
1° BUR
3° GHG Inventory (1990-2010)
1° National Inventory Report

2016
2° BUR
4° GHG Inventory (1990-2013)
2° National Inventory Report
3° National Communication

2018
3° BUR
5° GHG Inventory (1990-2016)
3° National Inventory Report

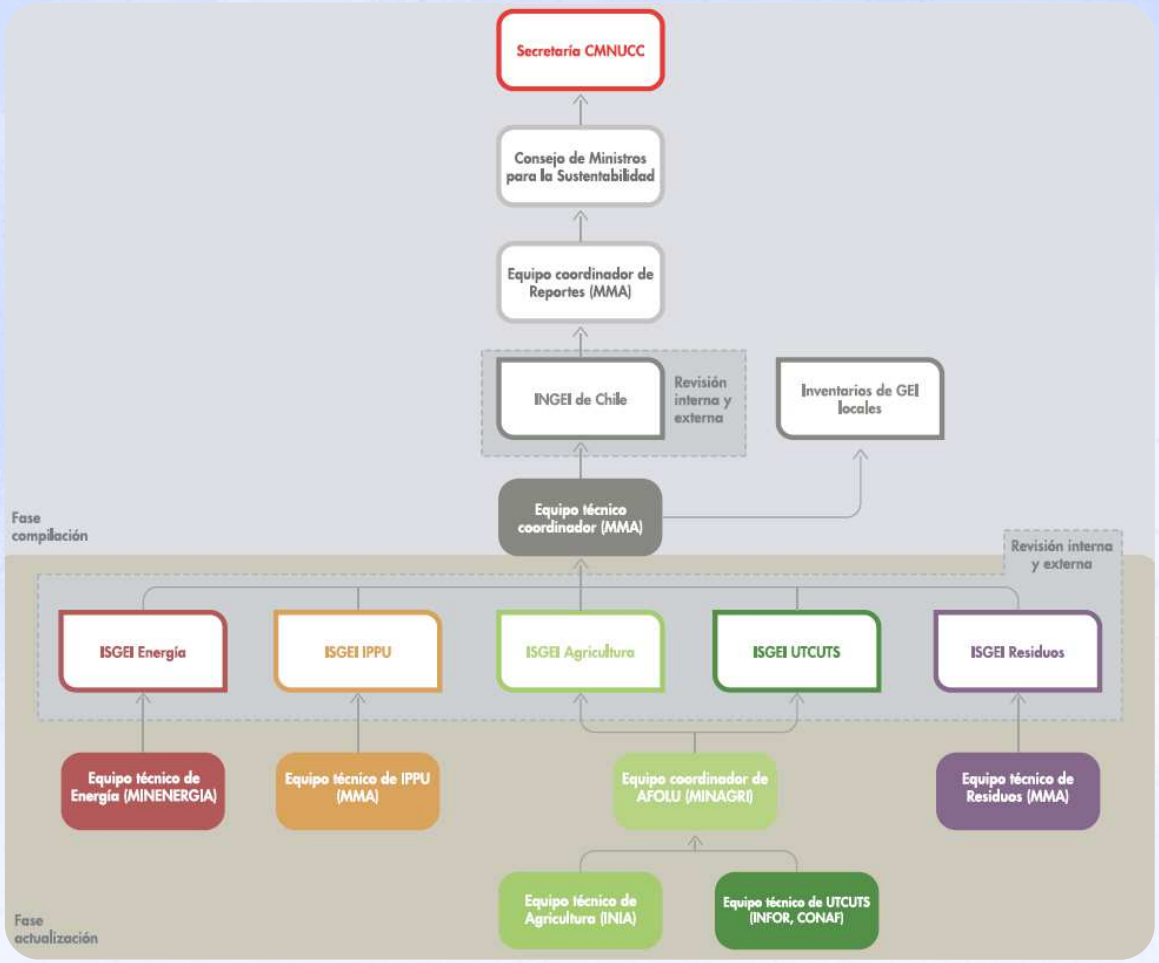
2020
4° BUR
6° GHG Inventory (1990-2018)
4° National Inventory Report
4° National Communication

2022→ 5th and last BUR

Chile	BUR1 10 Dec 2014 NIR 5 Feb 2015	BUR2 21 Apr 2017 (Original Submission date: 12 Nov 2016) NIR 19 May 2017	BUR3 (contains a Technical Annex on REDD+) 3 Dec 2018 Modified Technical Annex on REDD+ 9 Aug 2019 NIR 18 Mar 2019	BUR4 18 Jan 2021 NIR 19 Feb 2021

5BUR→ Opportunities

- Start Preparing 1BTR, identify main barriers
- New context: Climate Change Law and sectorial obligations→ Starting point **BUR**
- BUR→ Opportunity to gather the best information avaliable and make it official by reporting it in the BUR, because it is approved by the council of ministers for sustainability
- It will be mandatory that sectors report us, by now it is voluntary
- Needs and support received, could be better used, but it is not. There should be more international use of these reports and priorities so it is better done
- Namas: should we continue reporting them separately? (NAMA Registry → 6)



Systems needed

System	Progress	Barriers	Difficulties
National GHG inventory	it started in 2012 to preset the firt BUR in 2014.	Good example of continuous improvement, resource management, and involving integrations of requirements with national needs for policy making	The hardest is collecting information
Projections	It has been used for: define NDC commitment, Project current policies to assess if we comply, choose more cost-effective measures	More sectors involved, more political information, more sophisticated models	So far, the most hard to define what measures, and penetration model
MRV	Not yet implemented so benefits are not noted.	Is not the main objective to measure but to implement actions. Need for accountability rules so that sector can calculate their reductions. How they cross with MRV of projects. Need for capacity building, how to create a functional system. Easy to start small, and increase in time.	It requires difficult information to gather, sometimes too expensive

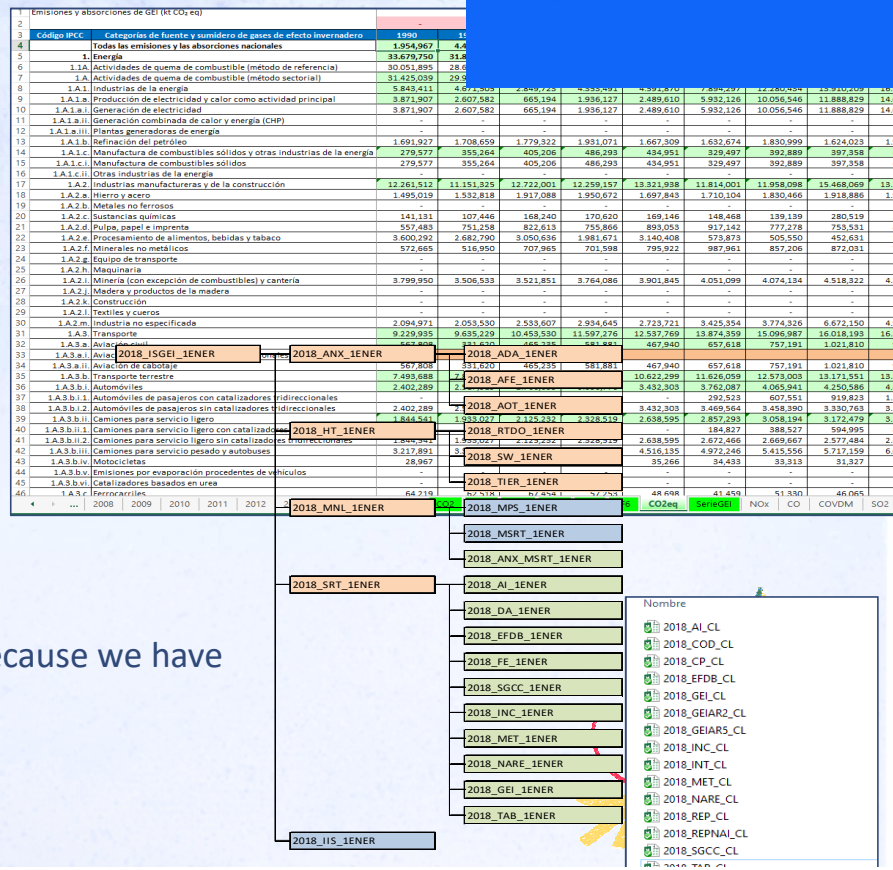
Elements from the MPGs in the 5BUR

- National Inventory: only few extra things, the hardest we already do: the national inventory report,
  - It includes emissions and removals of carbon dioxide (CO_2) and methane (CH_4), nitrous oxide (N_2O), hydrofluorocarbons (HFC), perfluorocarbons (PFC) and sulfur hexafluoride (SF_6),
  - Chile's NGHGI was prepared in accordance with the 2006 IPCC Guidelines for National Greenhouse Gas Inventories
  - We will have to change the PCG that we use. It will change **key categories** from agriculture. The estimation with and without LULUCF will also change **key categories .**
  - We do QAQC but it is not in a plan, this needs to be improved
- Tracking NDC:
  - Only mitigation commitments: with our national GHG inventory, considering recalculations
  - UTCUTS (integrated commitments adaptation an mitigation) : based on hectares, and captures
- Projections:
  - institutional arrangements;
  - base year 2020; final year 2050, but also included 2025, 2030, 2035 and 2040;
  - 3 scenarios, low implementation, existing policies, extra measures;
  - metodologies, measures and parameters, to some extend, sensibility análisis, projections, by gas, we did not include LULUCF
- MRV of mitigation policies and actions: CTF: asked for more information based on MPGs, but a lot of information is not monitored
- Adaptations contents: Not included

Nombre del Indicador	Descripción	Compromiso asociado	Tipo	Sectores del INGEI relacionados	Años	Estimación	Avance	Co-Beneficios
Porcentaje del presupuesto alcanzado	Emisiones de GEI acumuladas entre el 2020 y el último año presentado por el INGEI de Chile, excluyendo el sector UTCUTS dividido por el presupuesto comprometido.	Presupuesto de emisiones de GEI que no superará las 1.100 $MtCO_2eq$, entre el 2020 y el 2030	Cuantitativo	Sector Energía, IPPU, Agricultura y Residuos de acuerdo con lo reportado en el INGEI de Chile	[2020 - hasta el último año reportado]	$\frac{\sum_{2020}^{i} Emisiones\ de\ GEI}{1.100\ [Mt\ CO_2eq]} * 100[\%]$ Donde: • i representa el último año reportado • Emisiones de GEI considera la sumatoria de los sectores Energía, IPPU, Agricultura y Residuos, Mt CO_2eq		No se indican
Año máximo de emisiones	Año máximo de emisiones entre el 2020 y el último año presentado por el INGEI de Chile, excluyendo el sector UTCUTS.	Máximo de emisiones (peak) de GEI al 2025	Cuantitativo	Sector Energía, IPPU, Agricultura y Residuos de acuerdo con lo reportado en el INGEI de Chile	[Año máximo de emisiones del INGEI]	$\max(Emisiones\ GEI_{2020}; \ldots; Emisiones\ GEI_i)$ Donde: • *i representa el último año reportado* • Emisiones de GEI considera la sumatoria de los sectores Energía, IPPU, Agricultura y Residuos, $MtCO_2eq$		No se indican
Porcentaje de diferencia del último año reportado	Emisiones de GEI del último año presentado por el INGEI de Chile, excluyendo el sector UTCUTS menos las emisiones comprometidas al 2030, dividido por las emisiones comprometidas al 2030.	Alcanzar un nivel de emisiones de GEI de 95 MtCO2eq al 2030	Cuantitativo	Sector Energía, IPPU, Agricultura y Residuos de acuerdo con lo reportado en el INGEI de Chile	[Último año del INGEI reportado]	$\frac{Emisiones\ GEI_i - 95\ [MtCO2eq]}{95\ [MtCO2eq]} * 100[\%]$ Donde: • i representa el último año reportado • Emisiones de GEI considera la sumatoria de los sectores Energía, IPPU, Agricultura y Residuos, Mt CO2eq		No se indican

CRT - Tabular registry system (SRT)

- It consist on a set of Excel files, shared in Dropbox, with a folder structure a standard nomenclature and with defined roles and permissions.
- We use them to :
  - Share sectoral data and estimations,
  - Compile the national inventory
  - Elaborate cross cutting issues and summary tables,
  - Archiving
  - And as a quality control system.
- It contains (mainly):
  - A file with emissions by year, by gas (in kt) and by source or sink.
  - Summary tables in CO2eq for all years, gases and source or sink.
  - Methods tables.
  - National uncertainty estimations
  - Key Categories analysis
  - Activity data and emission factors summary (although we don´t use them, because we have access to the estimation sheets)
  - Summary for reporting
  - Graphs and tables for the NIR.



Key barriers and support needs

- Major tasks:
  - National inventory →quality
  - Emissions projections→ desitions
  - MRV system→ collaboration
  - NDC tracking system→ keep ambition under different circumstances
- How to ensure timely submission of the BTRs→ very hard, we have had many difficulties with the implementation agencies, this 5th BUR we did because we create systems that has different purposes, so cibit, and the 4cn, helped, because we just started implementing the resources from the 5tb BUR.
- For this we could not advanced much in MRV of politics and mitigation actions, and our NIR will be ready next year, not together with the BUR
- NDC tracking: how to deal with recalculations, or specific years issues
- CRT→ an opportunity to report our national information
- Projections in the BUR helped us realize how we were doing with our NDC and make decisions

Quinto Informe Bienal de Actualización de Chile 5IBA

Ministerio del Medio Ambiente

Gobierno de Chile