

Transparency

Climate Change Direction Science and Metrics Department

Guatemala, November 3rd 2021

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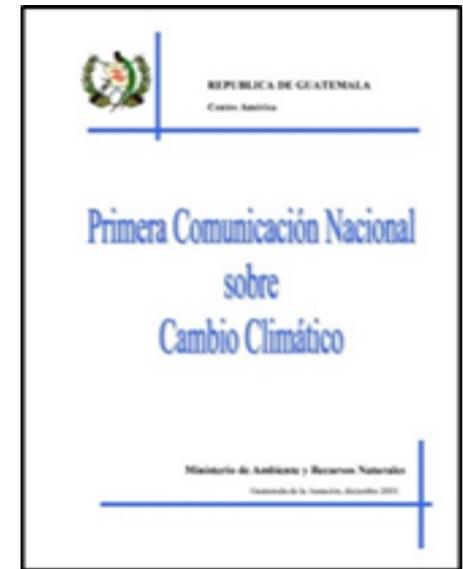
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- Context
- Actual situation
- Following Steps
- Common negotiation

Transparency

Background

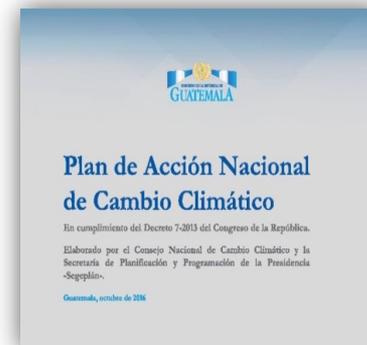
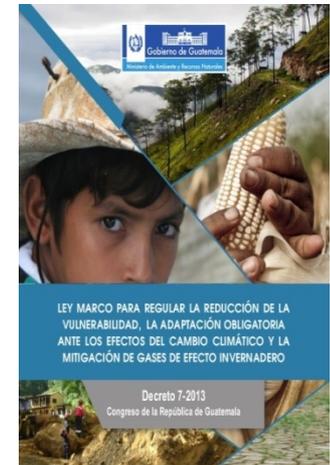
Background

- First National Communication of 2001
 - 1990 GHG inventory
 - 1996 IPCC Guidelines
- Second National Communication of 2015
 - 1994, 2000 and 2005 inventories
 - 1996 guidelines
 - Year 2005 to 2015



Legislación Nacional e Internacional

- Climate Change Policy
- Kyoto Protocol
- Law on Climate Change
- K'atun 2032
- Climate Change National Action Plan



Transparencia

Context

Contexto

- Investigate anthropogenic interventions that generate emissions and the way to reduce those emissions.
- United Nations Framework Convention on Climate Change UNFCCC – IPCC
- 21st Conference of the Parties (COP21), held in Paris, in December 2015
- Transparency framework Implementation Paris Agreement, standards and guidelines, common emissions accounting for reporting and financing, Article 13.
- Guides and common text and table formats to report emissions in a unified way, RedL INGEI, MT, UNFCCC, CRF, + COP 26.



Context

- Guatemala LEDS strategies
- Paris agreement
- Enhanced transparency framework
- Reports to the UNFCCC
- GHG Inventories
- Monitoring Reporting and Verification

Transparency

Current situation

Current situation

UNFCCC, TF, norms, procedure and Guidelines for reports.

2006 IPCC Guidelines for National Greenhouse Gas Inventories, and TF.

- Transparency
- Completeness
- Coherence
- Comparability
- Accuracy



Third national communication on climate change

UNFCCC and IPCC guidelines to prepare national communications, GHG inventories and the guidelines of the Enhanced transparency framework. Guidelines for the preparation of 2006 IPCC Inventories and 2019 refinement.



Chapter 1: National circumstances
Biophysical, social and economic information



Chapter 2: Planned to implement the UNFCCC



Chapter 3: National greenhouse gas inventory
GHG emissions by categories and sectors, 2010, 2014 and 2016



Chapter 4: Climate change risk



Chapter 5: adaptation actions



Capítulo 6: Actions to mitigate climate change by sectors, according to the inventory



Capítulo 7: financing, technology and capacities

Enhanced methodology process

- 2006 IPCC Inventory Guides and 2019 Refinement
- Enhanced transparency framework of the Paris Agreement.
- Inclusive process
- More advance methods that allow us to get more precise data.
- Higher level of detail in categories and subcategories
- Improves the ability to monitor and evaluate country commitments, such as the NDC.

**1990, 1994, 2000
and 2005
inventories**

3CNCC y 1 BUR



First biennial update report

UNFCCC and IPCC guidelines were used to prepare the biennial update report,, GHG inventories and the guidelines of the reinforced transparency framework were taken. Guidelines for the preparation of 2006 IPCC Inventories and 2019 refinement.



Chapter 1: National circumstances
Biophysical, social and economic information



Chapter 2: National greenhouse gas inventory
GHG emissions by **categories and sectors**,
Inventory Report 1990 - 2018



Chapter 3: Ways to mitigate climate change
by sector, according to inventory, relationship
with NDC



Chapter 4: Monitoring, reporting and
verification system



Chapter 5: support received and obstacles,
needs for financing, technology and capacities

MRV National Inventory System

- **Monitoring (M)** It measures efforts and impacts of the climate change, at the national level and refers to GHG emissions, mitigation actions and their effects, and the support needed and received, which can be reflected in a GHG Inventory.
- **Report (R)** Implemented through national communications, IBA and BTR, where the Parties report on their actions to address climate change, update the INGEI and report mitigation progress.
- **La verificación (V)** with international level, through the ICA of the BUR ; It can also happens at the national level, but it is voluntary.

¿Why having a MRV ?

- It monitors the national mitigation actions, based on low emission strategies
- It allows to measure the progress of the NDCs the Reinforced Transparency Framework of the Paris Agreement.
- Verifiable information from any sector
- With this information, you get resources of international Climate Change funds.

MRV Guiding Principles

The Paris Agreement through the 4.13 article

It establishes an accountability mechanism for anthropogenic emissions and absorption corresponding to its NDCs, where we can see:

- Environmental integrity
- Transparency
- Accuracy
- Completeness
- Comparability
- Coherence
- Ensure that double counting is avoided

MRV of Guatemala through the National Inventory System of Guatemala - SNIGT

A National GHG Inventory System of Guatemala - SNIGT has been developed at MARN, which was established in June 2020 and is being implemented, for the continuity of the Inventories.

- Concept note
- Ministerial agreement
- MRV GHG Inventory System



- It has five components:
 1. File System, where the information, activity data and the support information of the Inventory calculations are stored as such, in worksheets and text summaries
 2. Inventory System, which is how the consultants work with, and it has standard text report formats and systematized Excel worksheets for calculating the Inventory.
 3. Quality Control System, which will help to systematize the calculation of uncertainties and the internal, national and external review process of the quality of inventories..
 4. Training System, constant annual training program on the subject of Inventories and MRV of inventories and national communications and biennial reports.
 5. Continuous Improvement System, implementation of the review process and continuous improvement of the Inventory cycles, from the point of improving the method of collecting activity data and the planning of the next inventory cycle.

2021_SINGEI_GT original

Archivo Inicio Compartir Vista

Dropbox > 2021_SINGEI_GT original

Acceso rápido

Dropbox

- 14 TESIS DAVID E BARRERA
- 2021_SINGEI_GT
- 2021_SINGEI_GT original
- 2021_ENT_GT
- 2021_GES_GT
- 2021_INV_GT
- 2021_SEN_GT
- 2021_SSC_GT
- 2021_SNIGT_GT
- Archivos CBIT - CTA
 - Documentos
 - Reuniones CTA
- Documentos Valoración de ByS ambientales
- Material David
- Mi PC (DESKTOP-N6T4NBU)
- Nueva carpeta
- Propuesta Fondo Verde 2019- Heifer- UICN
- Series técnicas PCC
- SIN GEI GT
- V Trimestre EARN

OneDrive

6 elementos 1 elemento seleccionado 66.8 KB

2021_SSI_GT - Microsoft Excel (Error de activación de productos)

Archivo Inicio Insertar Diseño de página Fórmulas Datos Revisar Vista Nitro Pro 10

Calibri 10 Fuente Alineación Número Estilos Celdas Modificar

U94 fx

Propuesta de estructura para la organización de los elementos del SII del SINGEI de Guatemala

Info Nomenclatura Siglas Estructura Descripción Hoja de Ruta

Listo 60%



3. INVENTARIO NACIONAL DE GASES EFECTO INVERNADERO



Inventarios anteriores

1990, 1994, 2000, 2005



Nuevos inventarios

2010, 2014, 2016

INVENTARIO 2016



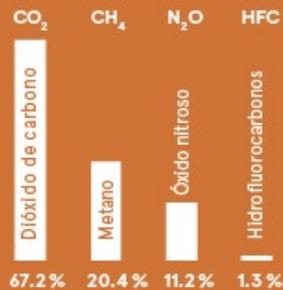
Categorías principales

23

PROMEDIO ANUAL EN EL CRECIMIENTO DE LAS EMISIONES DESDE 1990

8.6%

EMISIONES POR GAS



APORTE SECTORIAL EN EL INVENTARIO DE GEI 2016



Emisiones brutas
Anillo externo



Balance de las emisiones y absorciones de GEI
Anillo interno



Emisiones brutas

59 230.4 Gg de CO_{2-eq}



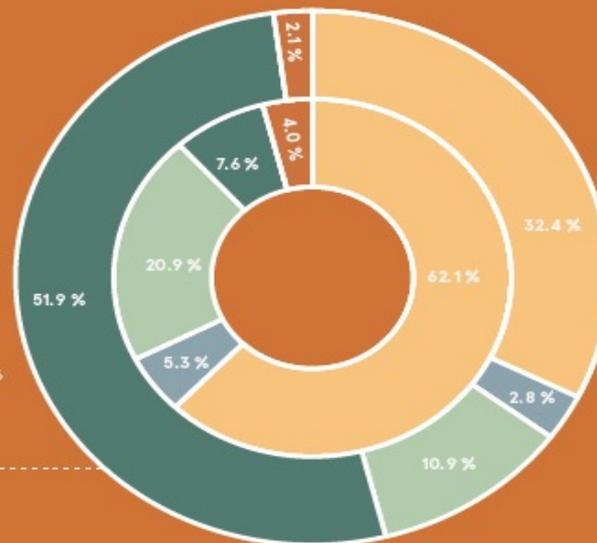
Absorciones

28 370.1 Gg de CO_{2-eq}



Balance

30 860.3 Gg de CO_{2-eq}



Transparency

Next Steps

Next Steps

- Keep working with the Technical Tables of the sub sectors, to work on continuity actions of the INGEI, inter-institutional arrangements, with the inventory sectors, create projects about the subject of INGEI and Mitigation.
- Certifications for the measurement of emissions, voluntary verification regulations, such as standards, ISSO, COGUANOR, MDL, with the IPCC guidelines.
- Support the processes of inter-institutional arrangements, with the inventory sectors, and research projects about National Inventories and Mitigation.

Siguientes pasos

- Presentation of the first BUR at the end of 2021, that includes the GHG Inventories report from 1990 to 2018, recalculations and new calculations using the 2006 IPCC Guidelines. RedL INGEI.
- Implementation of the Transparency Framework of Guatemala
 - GHG Inventories
 - NDC mitigation
 - NDC adaptation
 - Financing
 - Information system

Transparency

Common points of negotiation

Common points of negotiation

- Common Report Formats
- CRF tabular sheets
- GHG Inventories
- Financing
- BTR Report Contents
- Harmonized accounting
- NDC Report Content



BICENTENARIO
GUATEMALA
1821 - 2021