

# Transparency

## Climate Change Direction Science and Metrics Department

Guatemala, November 3<sup>rd</sup> 2021

# Contenido

- Background
- Context
- Actual situation
- Following Steps
- Common negotiation

# Transparency

# Background

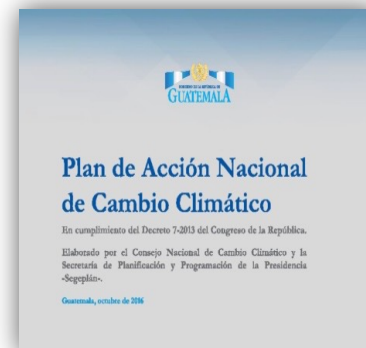
# Background

- 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.

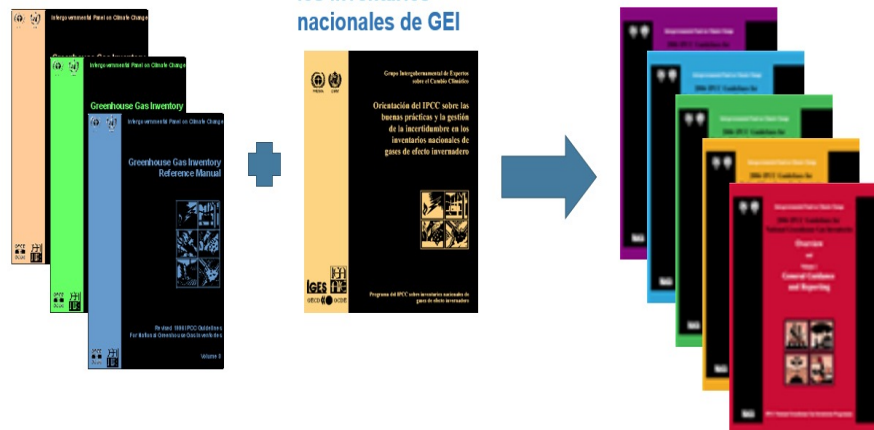
**1990, 1994, 2000  
and 2005  
inventories**

**3CNCC y 1 BUR**

Revised 1996 IPCC  
Guidelines for  
National Greenhouse  
Gas Inventories

Orientación del IPCC  
sobre las buenas  
prácticas y la gestión  
de la incertidumbre en  
los inventarios  
nacionales de GEI

Directrices del IPCC de 2006 para los  
inventarios nacionales de gases de efecto  
invernadero



## 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

General

Formato condicional

Dar formato como tabla

Estilos de celda

Insertar

Eliminar

Formato

Ordenar y filtrar

Buscar y seleccionar

Modificar

U94

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

```

graph LR
    2021_SINGEI_GT --> 2021_ENT_GT
    2021_SINGEI_GT --> 2021_GES_GT
    2021_SINGEI_GT --> 2021_INV_GT
    2021_ENT_GT --> 2021_COO_GT
    2021_ENT_GT --> 2021_MAT_GT
    2021_ENT_GT --> 2021_TAL_GT
    2021_GES_GT --> 2021_ADT_GT
    2021_GES_GT --> 2021_ALE_GT
    2021_GES_GT --> 2021_CON_GT
    2021_GES_GT --> 2021_MAN_GT
    2021_INV_GT --> 2021_PDT_GT
    2021_INV_GT --> 2021_REU_GT
    2021_INV_GT --> 2021_WOC_GT
    2021_INV_GT --> 2021_ARI_GT
    2021_INV_GT --> 2021_IGEL_01EN
    2021_IGEL_01EN --> 2021_AMX_01EN
    2021_IGEL_01EN --> 2021_HT_01EN
    2021_IGEL_01EN --> 2021_IIS_01EN
    2021_IGEL_01EN --> 2021_GCC_01EN
    2021_AMX_01EN --> 2021_ADA_01EN
    2021_AMX_01EN --> 2021_AFE_01EN
    2021_AMX_01EN --> 2021_AOT_01EN
    2021_ADA_01EN --> 2021_CDA_01EN
    2021_AFE_01EN --> 2021_CFE_01EN
    2021_AOT_01EN --> HT_1990-2018
    
```

Info Nomenclatura Siglas Estructura Descripción Hoja de Ruta

60%



### 3. INVENTARIO NACIONAL DE GASES EFECTO INVERNADERO



#### Inventarios anteriores

1990, 1994, 2000, 2005



#### Nuevos inventarios

2010, 2014, 2016

INVENTARIO 2016



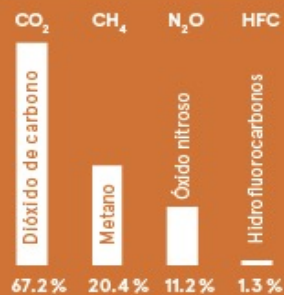
#### Categorías principales

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<sub>2-eq</sub>



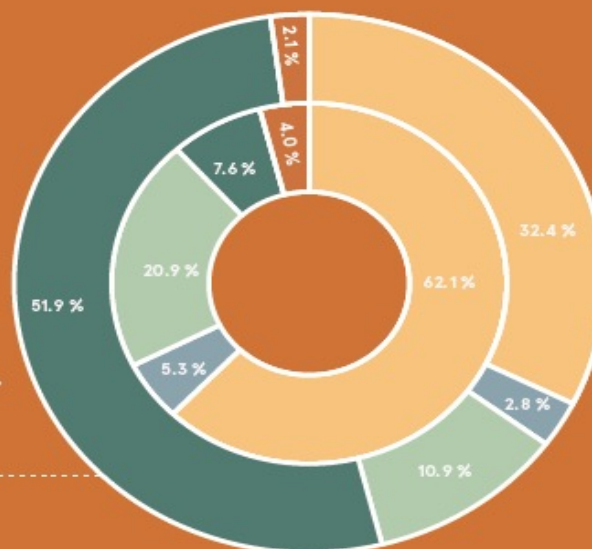
#### Absorciones

28 370.1 Gg de CO<sub>2-eq</sub>



#### Balance

30 860.3 Gg de CO<sub>2-eq</sub>



# 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



B I C E N T E N A R I O  
**GUATEMALA**  
1 8 2 1 - 2 0 2 1