



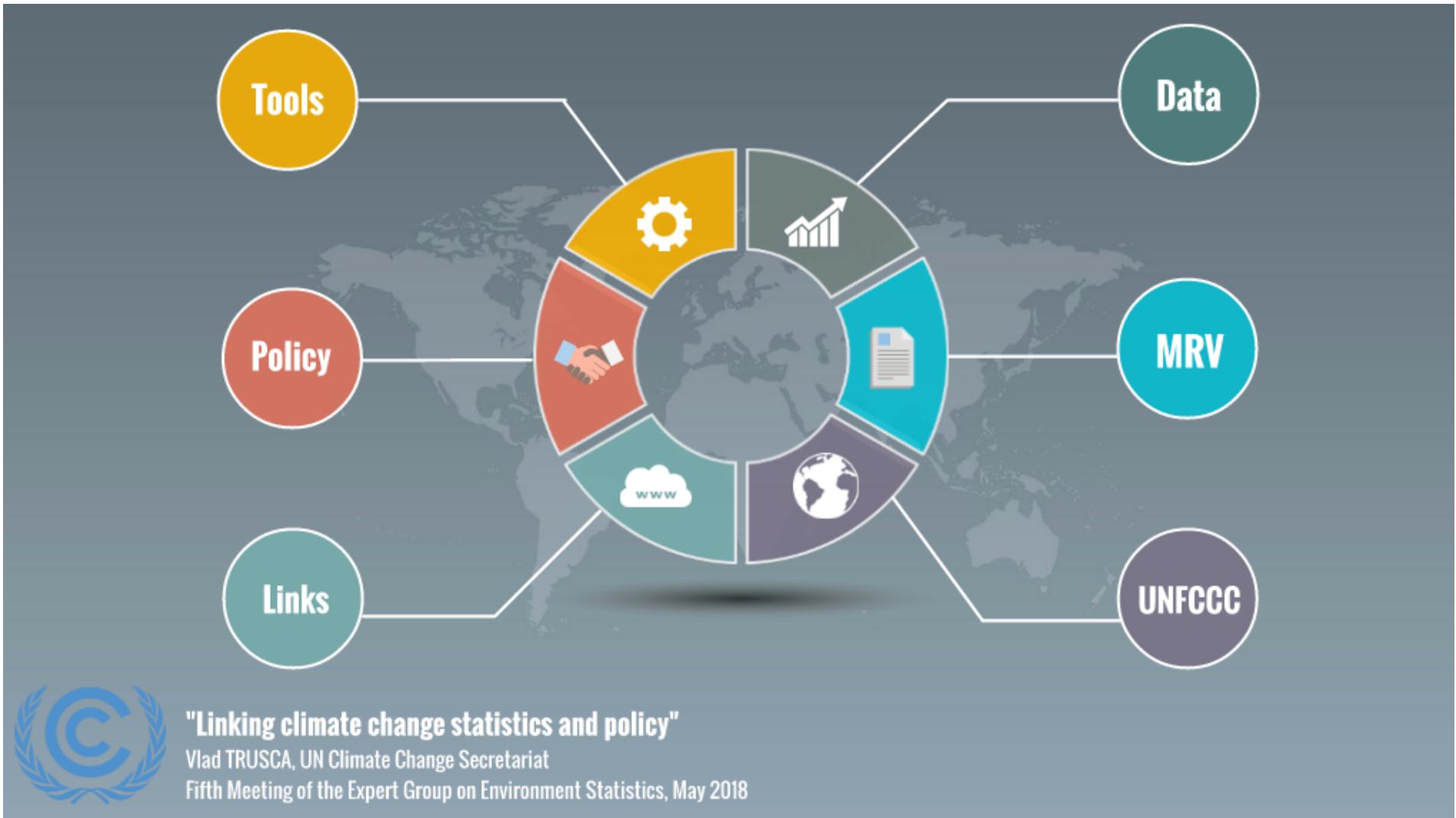
Who are we?

- UNFCCC - United Nations Framework Convention on Climate Change, 1992
- Kyoto Protocol, 1997 & Doha Amendment, 2014
- Paris Agreement, 2015



- intergovernmental negotiations
- constituted bodies
- technical expertise
- analysis of info & data

"...stabilize GHG concentrations in the atmosphere at a level that will prevent dangerous human interference with the climate system."



Reporting & Review

- Mostly under Convention & Kyoto Protocol + Nationally Determined Contributions under Paris A.
- Two groups of Parties:
 - Annex I Parties (developed countries)
 - Non-Annex I Parties (developing countries)
- Different requirements:
 - Methodological basis (IPCC guidelines)
 - Content & frequency
 - Conditional on funding (Non-Annex I Parties)
 - Rigorous review process (Annex I Parties)

Annex I
Parties

Non-Annex I
Parties

All Parties
of PA

Annex I Parties - 44

- **GHG Inventory** - annually:
 - Based on official data from Statistical Offices
 - Data in formatted tables (CRF)
 - Methodological report (NIR)
- **National Communication (NC)** - every 4 years
- **Biennial Report (BR)** - every 2 years
 - Policy-related info (mitigation, adaptation, funding, etc.)
- Methodological basis - 2006 IPCC guidelines



Non-Annex I Parties - 153

- Only under Convention
- National Communication (NC) - every 4 years
- Biennial Update Report (BUR) - every 2 years
 - Policy-related info (mitigation, adaptation, funding and capacity building needs)
 - Depending on funding
- GHG Inventory - less detailed, included in NC/BUR
 - flexibility to use 1996 IPCC Guidelines
- National Adaptation Plan (NAP)
- National Adaptation Programme of Action (NAPA) - LDCs

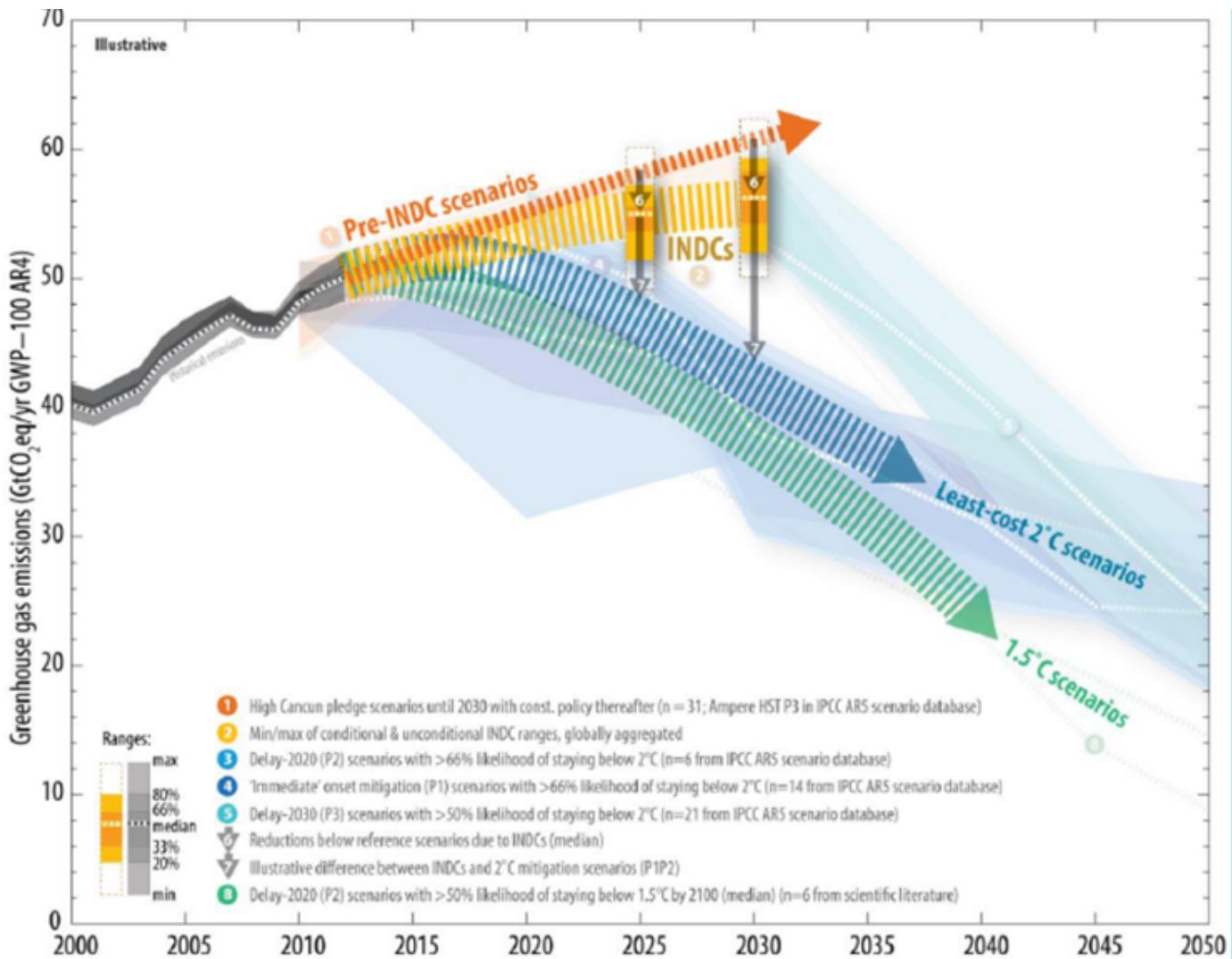


All Parties under Paris Agreement - 176*

- **INDC (Intended Nationally Determined Contributions)** - Parties communicated them before COP 21 (Paris)
 - **NDCs (Nationally Determined Contributions)** - Parties to communicate 1st NDC at the time of PA ratification
 - 152 - Automatic conversion of INDC to NDC
 - 18 - Revisions to INDCs or NDCs submitted
 - 6 - Parties currently revising NDCs
 - **NDC** - post-2020 climate actions reflecting country ambition for reducing emissions by considering domestic circumstances and capabilities



Synthesis report on the aggregate effect of INDCs







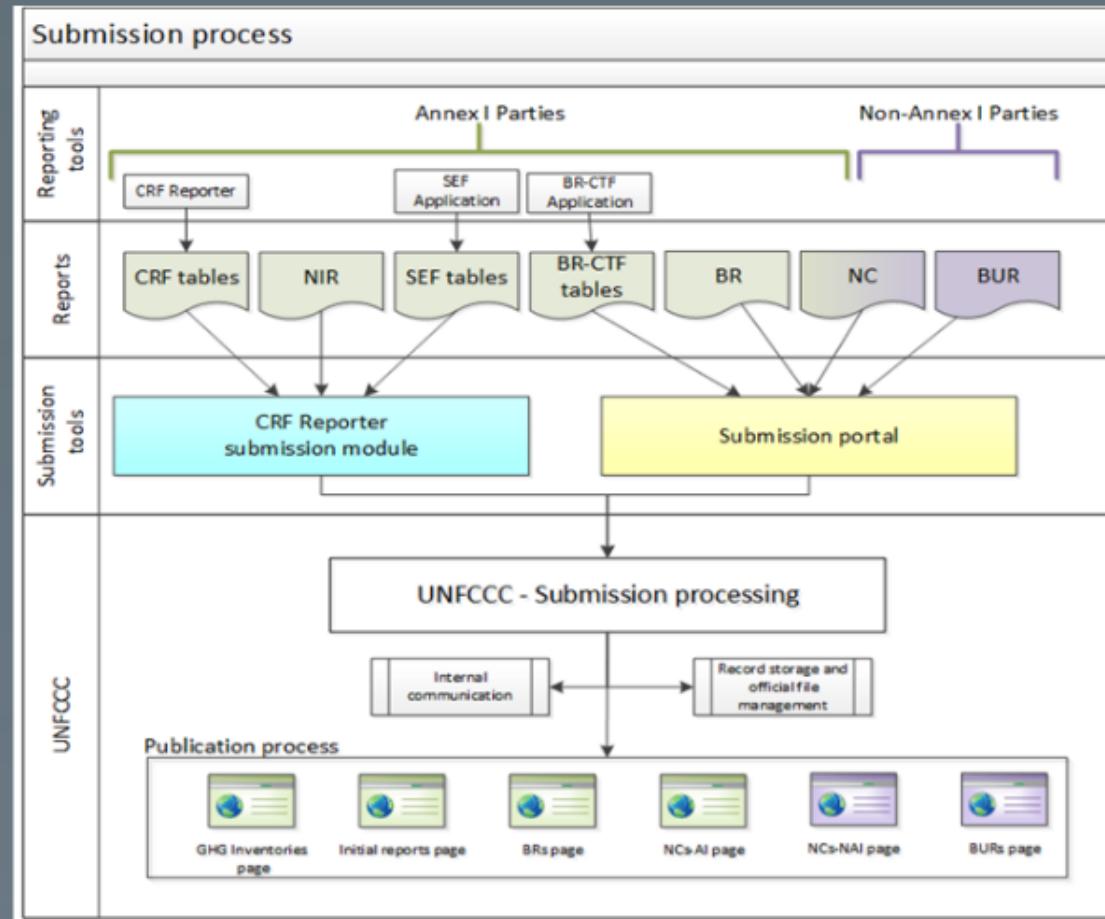
Our Data

- Data collection
- Data analysis
- Data management
- Data dissemination

Data
Process

Data process

- **Data collection** - MRV, mandates
- **Data analysis** - status reports; assessment reports; aggregate GHG info; compilation and accounting reports; etc.
- **Data management** - processing by internal tools:
 - portal & Data Warehouse
 - review process
- **Data dissemination** - BR DI; GHG DI; webpages; cooperation agreements with FAO, IEA, WRI







Our Tools

- Internal vs external
- User friendly
- Comprehensive
- Accurate
- Simple

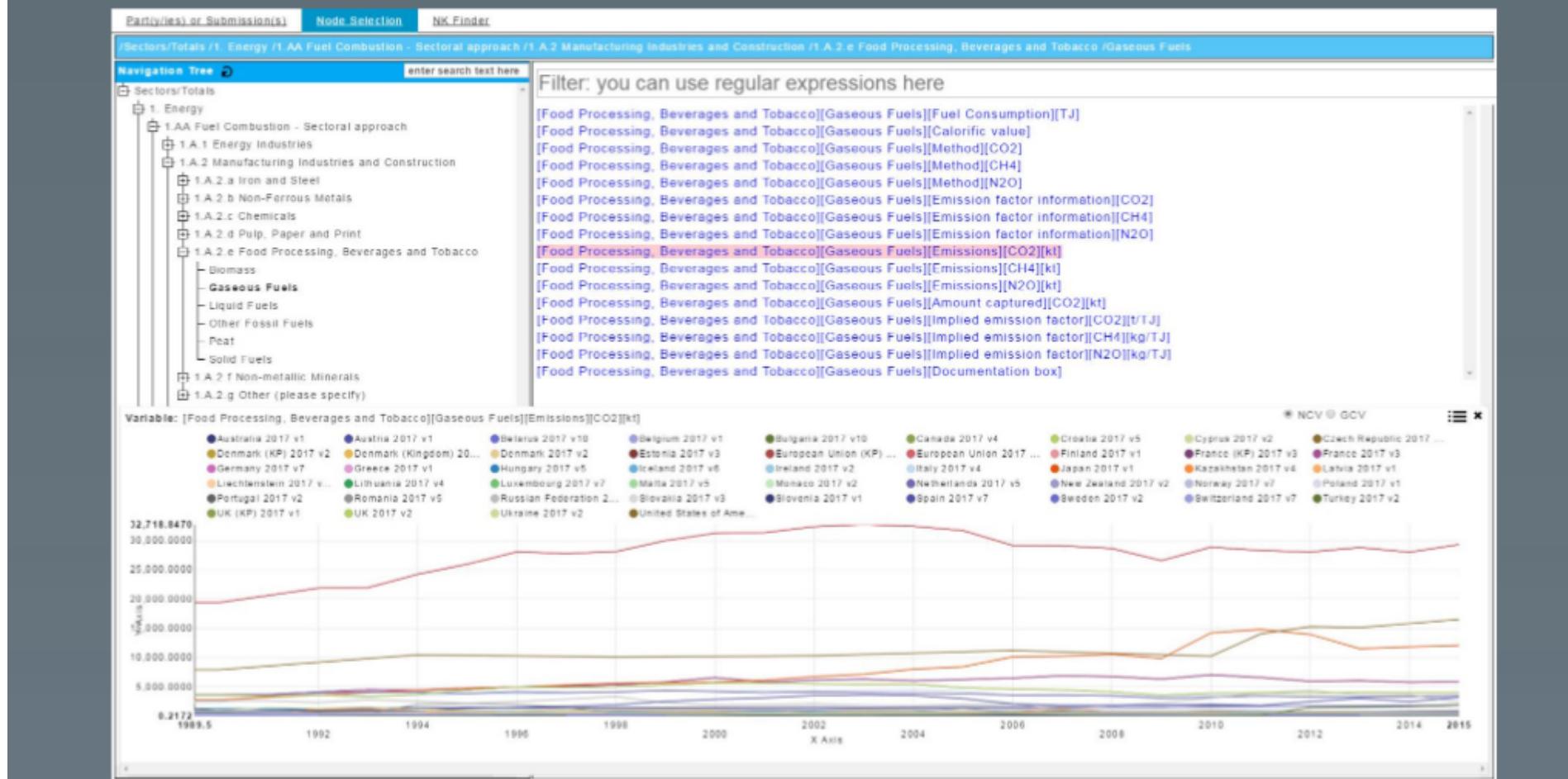
GHG
Locator

GHG Data
Interface

Biennial Report
Data Interface

NDC
Registry

GHG Emissions Locator



GHG Data Interface



United Nations
Framework Convention on
Climate Change

Process

GHG Data - UNFCCC

Time series - Annex I

Detailed data by Party

Comparison by Category

Comparison by Gas 

GHG profiles

Annex I

Non-Annex I

Global map - Annex I

Greenhouse Gas Inventory Data - Comparison by Gas 

Please select two different Parties for comparison

Australia European Union (Convention)

Please select Category

Total GHG emissions without LULUCF

Please select two different years for comparison

Base year 1990

Query results for — Parties: Australia and European Union (Convention) — Years: Base year and 1990 — Category: Total GHG emissions without LULUCF — Unit: kt CO2 equivalent

Export to Excel Export to CSV Printer Friendly Version

Gas	Australia			European Union (Convention)			European Union (Convention) to Australia Difference	
	Base year	1990	Difference	Base year	1990	Difference	Base year	1990
CO2	278,352.79	278,352.79	0.00%	4,457,424.17	4,457,424.17	0.00%	1501.36%	1501.36%
CH4	119,920.32	119,920.32	0.00%	728,408.46	728,408.46	0.00%	507.41%	507.41%
N2O	15,327.33	15,327.33	0.00%	384,989.38	384,989.38	0.00%	2411.78%	2411.78%
HFCs	1,424.68	1,424.68	0.00%	29,125.49	29,125.49	0.00%	1944.35%	1944.35%
PFCs	4,607.01	4,607.01	0.00%	25,870.24	25,870.24	0.00%	461.54%	461.54%
Unspecified mix of HFCs and PFCs	NO	NO	—	5,840.68	5,840.68	0.00%	—	—
SF6	211.02	211.02	0.00%	11,002.95	11,002.95	0.00%	5114.21%	5114.21%

GHG Data Interface



United Nations
Framework Convention on
Climate Change

Process

GHG Data - UNFCCC

Time series - Annex I

Detailed data by Party



Comparison by Category

Comparison by Gas

GHG profiles

Annex I

Non-Annex I

Global map - Annex I

Greenhouse Gas Inventory Data - Detailed data by Party

Please select Party, Inventory Year, Category, Gas and Unit.

Brazil

1990, 2000, 2010 and last year

..... 2. Industrial Processes

Aggregate GHGs

Gg CO₂ equivalent

Query results for — Party: Brazil — Years: 1990, 2000, 2010 and last year — Category: 2. Industrial Processes — Gas: Aggregate GHGs — Unit: Gg CO₂ equivalent

[Export to Excel](#)

[Export to CSV](#)

[Printer Friendly Version](#)

Category	1990	2000	2010	Last Reported Year (2012)
2. Industrial Processes	52,059.52	75,536.10	86,700.04	93,967.62
2.A Mineral Products	14,859.20	21,244.00	27,485.80	—
2.B Chemical Industry	4,906.90	7,844.40	2,027.30	—
2.C Metal Production	27,766.10	42,225.76	48,064.53	—
2.D Other Production	—	—	—	—
2.E Production of Halocarbons and SF ₆	1,406.34	—	—	—
2.F Consumption of Halocarbons and SF ₆	100.90	767.94	3,743.41	—
2.G Other	2,930.00	3,454.00	5,379.00	—

Showing 1 to 8 of 8 entries

GHG Data Interface

United Nations
Framework Con
Climate Change

Submission Portal - sessions
<http://www4.unfccc.int/submissions/SitePages/sessions.aspx>

Process

- GHG Data - UNFCCC
- Time series - Annex I
- Detailed data by Party
- Comparison by Category
- Comparison by Gas
- GHG profiles** 
- Annex I
- Non-Annex I
- Global map - Annex I

GHG Profiles - Non-Annex I 

Search:

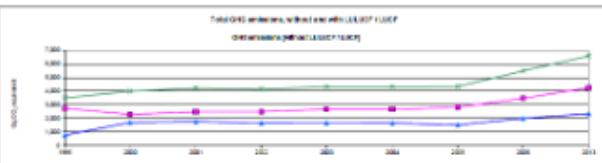
Party  Link to Excel 

Non Annex I	Party	Link to Excel
Afghanistan		 Excel
Albania		 Excel
Algeria		 Excel
Andorra		—
Angola		 Excel
Antigua and Barbuda		 Excel
Argentina		 Excel
Armenia		 Excel
Azerbaijan		 Excel
Bahamas		 Excel
Bahrain		 Excel
Bangladesh		 Excel
Barbados		 Excel
Belize		 Excel
Benin		 Excel

Emissions Summary for Mauritius

Category	Emissions 2010 (tCO ₂ equivalent)		
	Actual	Target	Delta
GHG Emissions	1,700	1,600	-100
GHG Emissions, Adjusted	1,700	1,600	-100
GHG Emissions, Actual	1,700	1,600	-100
GHG Emissions, Target	1,600	1,600	0
GHG Emissions, Delta	100	0	-100
GHG Emissions, Actual vs Target	1,700	1,600	-100
GHG Emissions, Actual vs Target, %	106.25%	100.00%	-6.25%
Total GHG emissions, without LULUCF (tCO ₂ equivalent per year)	1,700	1,600	-100
Change in total GHG emissions from 1990 to 2010	1,700	1,600	-100

Total GHG emissions, without LULUCF (tCO₂ equivalent per year)



Change in total GHG emissions from 1990 to 2010

17.

Biennial Report Common Tabular Format

File Edit View Favorites Tools Help

United Nations
Framework Convention on Climate Change

Biennial Reports Data Interface (BR-DI)	Home
GHG inventory data	Decision 19/CP.18 adopted the biennial report common tabular format (BR-CTF) for the "UNFCCC biennial reporting guidelines for developed country Parties". The BR-CTF, as contained in the annex to decision 19/CP.18, consists of 27 tables designed to facilitate the provision of information by developed country Parties on:
Information on reduction target	<ul style="list-style-type: none"> • Greenhouse gas (GHG) emission trends; • Description of quantified economy-wide emission reduction target; • Progress in achievement of this target; • GHG projections; and • Provision of financial, technological and capacity building support.
Progress towards achieving the target (mitigation measures)	
Reporting on progress	
GHG projections - assumptions	
GHG projections	
Financial contributions	
Financial contributions - summary	
Capacity building	
Technology support	

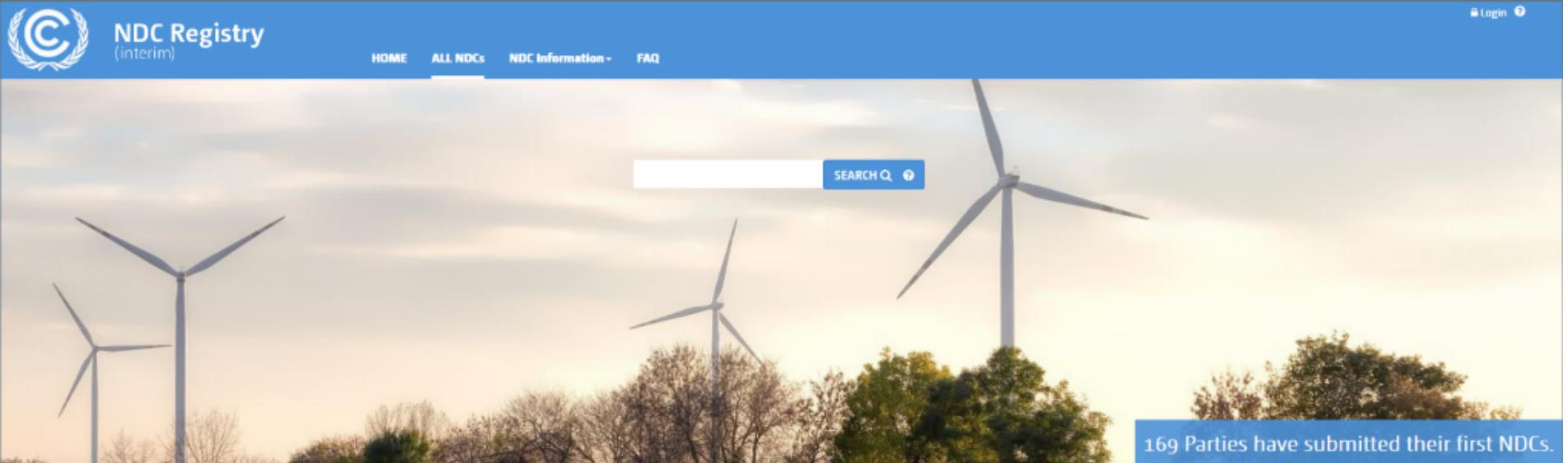
To facilitate flexible search queries of the BR-CTF data submitted by developed country Parties, the secretariat has launched the Biennial Reports Data Interface (BR-DI) application. The BR-DI allows the BR-CTF data to be searched via user-defined queries within any of the ten categories. Within each of these ten categories, multiple search options are available that allow users to refine their queries by various criteria. In an effort to streamline the functionalities of applications within the secretariat, users searching for GHG inventory data and GHG projections are automatically redirected to the "flexible GHG data queries" page.

Note: The data presented in the BR-DI has been extracted from the BR-CTF tables submitted by developed country Parties, and every effort has been made to ensure the accuracy and consistency of the information. Users may wish to read the full Biennial Reports and the associated BR-CTF tables for more detailed and comprehensive Party information at: http://unfccc.int/national_reports/biennial_reports_and_1ansubmitted_biennial_reports/items/7500.php

A	B	C	D	E	F	G	H	I	J	K	L	M
1	Table 5										DNK_BR3_v1.0	
2	Summary of key variables and assumptions used in the projections analysis ^a											
3												
4	Key underlying assumptions											Projected
5	Assumption	User	1990	1995	2000	2005	2010	2015	2020	2025	2030	2035
6	GDP growth rate (1)	%	1.00	3.00	3.70	2.30	1.90	1.60	1.30	1.15	1.00	1.00
7	Population (2)	thousands	5,015.00	5,216.00	5,390.00	5,411.00	5,515.00	5,680.00	5,800.00	6,000.00	6,300.00	6,300.00
8	Population growth (3)	%	0.10	0.27	0.20	0.24	0.04	0.19	0.25	0.07	0.22	0.00
9	International oil price (4)	USD / bbl	23.73	17.02	28.50	54.52	59.90	45.90	30.34	11.72	92.43	92.43
10	International coal price (5)	USD / tce	10.25	10.73	8.78	15.30	23.18	14.29	14.46	15.83	16.93	16.93
11	International gas price (6)	USD / tce	NA	10.82	15.72	42.82	58.03	29.47	34.59	47.86	58.84	58.84
12	EU ETS Carbon price (7)	EUR/tonne CO ₂	NA	NA	NA	22.00	15.00	7.79	3.97	7.57	10.07	10.07
13												
14	^a Parties should include key underlying assumptions as appropriate.											
15	^b Parties should include historical data used to develop the greenhouse gas projections reported.											
16												
17	Custom Features											
18	(1) * In general the starting point for the GHG projection is the latest historic GHG inventory with the future development projected on the basis of the projected parameters only - such as projected GDP, projected fuel prices etc. (i.e. not historical parameters). Therefore the historic parameters shown here for 1990-2010 are shown only to follow the recommendation from the review of Denmark's BRI, although this is not in line with the purpose of the table "Include historical data used to develop the greenhouse gas projections reported". ** The key variables shown here for 2020-2035 are used for the 'With existing resources' (WEC) scenario. The results are shown in table 6(a).											
19	(2) * In general the starting point for the GHG projection is the latest historic GHG inventory with the future development projected on the basis of the projected parameters only - such as projected GDP, projected fuel prices etc. (i.e. not historical parameters). Therefore the historic parameters shown here for 1990-2010 are shown only to follow the recommendation from the review of Denmark's BRI, although this is not in line with the purpose of the table "Include historical data used to develop the greenhouse gas projections reported". ** The key variables shown here for 2020-2035 are used for the 'With existing resources' (WEC) scenario. The results are shown in table 6(a).											
20	(3) * In general the starting point for the GHG projection is the latest historic GHG inventory with the future development projected on the basis of the projected parameters only - such as projected GDP, projected fuel prices etc. (i.e. not historical parameters). Therefore the historic parameters shown here for 1990-2010 are shown only to follow the recommendation from the review of Denmark's BRI, although this is not in line with the purpose of the table "Include historical data used to develop the greenhouse gas projections reported". ** The key variables shown here for 2020-2035 are used for the 'With existing resources' (WEC) scenario. The results are shown in table 6(a).											
	(4) * In general the starting point for the GHG projection is the latest historic GHG inventory with the future development projected on the basis of the projected parameters only - such as projected GDP, projected fuel prices etc. (i.e. not historical parameters). Therefore the historic parameters shown here for 1990-2010 are shown only to follow the recommendation from the review of Denmark's BRI, although this is not in line with the purpose of the table "Include historical data used to develop the greenhouse gas projections reported". ** The key variables shown here for 2020-2035 are used for the 'With existing resources' (WEC) scenario. The results are shown in table 6(a).											
	« » ... Table 1(d) Table 2(a) Table 2(b) Table 2(c) Table 2(d) Table 2(e) Table 2(f) Table 3 Table 4 Table 4(a) Table 201											

Biennial Report Data Interface

NDC Registry



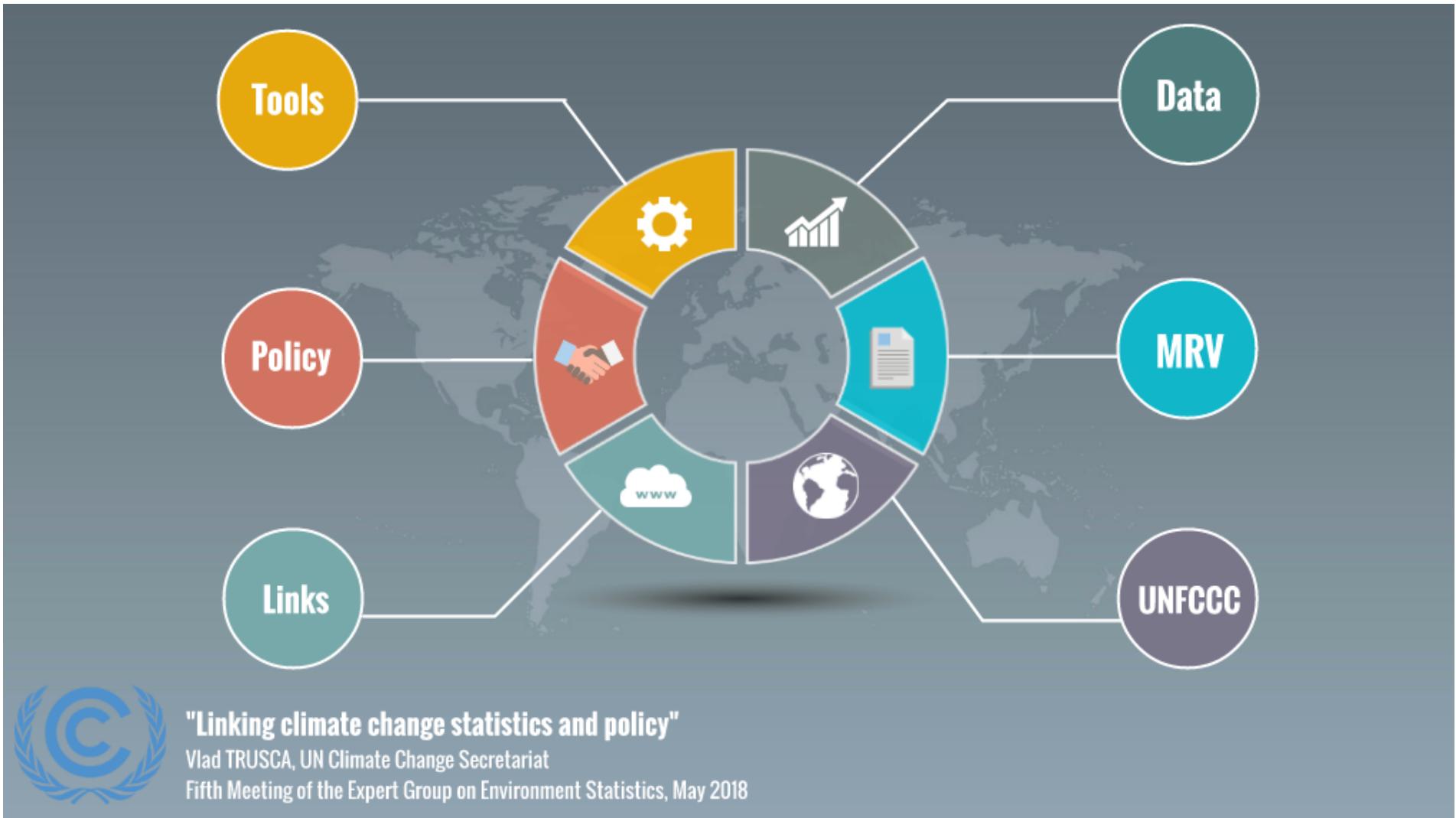
The NDC Registry (interim) website features a header with the logo, navigation links (HOME, ALL NDCs, NDC Information, FAQ), and a search bar. A banner at the top right states "169 Parties have submitted their first NDCs." Below the banner, there's a list of countries with their first NDCs and links to their country pages.

SEARCH Q ?

169 Parties have submitted their first NDCs.

ALL A B C D E F G H I J K L M N O P Q R S T U V W X Y Z

	AFGHANISTAN FIRST NDC	COUNTRY PAGE
	ALBANIA FIRST NDC	COUNTRY PAGE
	ALGERIA FIRST NDC	COUNTRY PAGE
	ANDORRA FIRST NDC	COUNTRY PAGE



Negotiations



Paris Agreement Work Programme - rules and modalities under the new climate regime

Key elements:

- NDCs
- Global stocktake
- Transparency framework
- Adaptation
- Finance and support



COP 24 (Nov. 2018) - Katowice, Poland

Talanoa Dialogue - platform for Parties and non-state actors

Conclusions

Conclusions

- Parties submit a **vast amount of data** about all national activities - **publicly available**
- Data needed from **national statistical offices** is complex - expertise, resources & analytical efforts
- Understand the link between **national statistics and climate-change data**
- Enhance the cooperation between **NSOs** and **authorities** responsible for reporting CC data
- Expect an **increase of data reporting/needs** under Paris Agreement - transparency framework
- Difficult year ahead - negotiations under **Paris Agreement Work Programme**



More information

UN Climate Change Secretariat

<http://cop23.unfccc.int/>

<http://unfccc.int/2860.php>

NDC Registry

<http://www4.unfccc.int/ndcregistry/Pages/Home.aspx>

GHG Data Interface

http://di.unfccc.int/time_series

http://di.unfccc.int/detailed_data_by_party

Talanoa Dialogue

<https://talanoadialogue.com/>

