

UNFPA GREENHOUSE GAS (GHG) INVENTORY MANAGEMENT PLAN 2020



India CO, New Delhi

This document is produced thanks to the collective input of UNFPA personnel, especially of green focal points for GHG reporting. Document's authors: Oliver Buehler & Mel Amancio, UNFPA Environmental Sustainability Team.

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1 INTRODUCTION

This Greenhouse Gas Emissions Inventory Management Plan (IMP) provides a detailed foundation for the UNFPA comprehensive effort to measure and manage greenhouse gas (GHG) emissions from its internal global operations. This document provides organization-wide information, including corporate overview and goals, boundary conditions of the inventory, emissions quantification methods, data management methods, base year, list of management tools, and verification processes.

The UNFPA GHG Inventory 2020 was calculated using a new and tailored tool developed in partnership with Impacti Solutions. The purpose of this new tool is to make the data collection process more user-friendly for our field offices users. Emissions categories and sources are, therefore, more realistic with the context on the field. A summary of the results of the 2020 GHG Inventory are available in Annex 2: Overview of the UNFPA 2020 GHG Inventory.

The UN GHG Inventory follows a common minimum boundary and GHG accounting principles mostly prescribed by the World Resources Institute (WRI) and the World Business Council for Sustainable Development’s (WBCSD) Greenhouse Gas Protocol Initiative (GHG Protocol), but at the same time allows participating UN entities flexibility within these limits.

2 IMP 2020

2.1 Version information

Item	Description	
A	Reporting Period	2010
B	Version Number of IMP	v1
C	Corresponding inventory version number	v1
D	Date IMP Completed	6 October 2021

2.2 Contact information

Item	Description	
1	Inventory Contact:	Mel Amancio
2	Inventory Contact Information:	amancio@unfpa.org

2.3 Boundary conditions

2.3.1 Organizational Boundary

UN entities differ in their structures and operations. According to the guidelines of the GHG Protocol for corporate GHG Inventory reporting, a company's organizational boundaries can either be defined by the amount of equity a company has in an operation (**Equity Approach**) or based on a company's operational control over a location or facility (**Control Approach**). The GHG Protocol also requires that a company select the type of organizational boundary according to which method most accurately reflects the day-to-day practices of the business.

Control can be defined in either financial or operational terms.

- *Financial Control*: An entity has financial control over the operation if the former can direct the financial and operating policies of the latter with a view to gaining economic benefits from its activities.
- *Operational Control*: An entity has operational control over an operation if the former or one of its subsidiaries has the full authority to introduce and implement its operating policies at the operation.

The UNFPA applies the principle of operational control to define the boundaries of its GHG inventory.

Consistent with this approach the UNFPA accounts for GHG emissions from its locations for which it has direct control over operations, and where it can influence decisions that impact GHG emissions. This includes all owned and leased facilities/vehicles operated by UNFPA. UNFPA adheres to the UN wide boundary for emission reporting.

2.3.2 List of GHG's Being Accounted for under the UN GHG Inventory

See UN-wide IMP.

2.3.3 List of Organization-Wide Facilities Included in this Inventory

The list of facilities falling within the reporting boundary has been obtained from UNFPAs Country Office Real Estate Management System (COREM) as well as the UNFPA's Global Directory of personnel. The 2020 UNFPA GHG Emissions Calculation includes secondary/project offices in addition to the main offices in each country, similarly the previous years. The complete list of entities can be found in the Annex 1: List of premises included in the scope of the GHG inventory.

2.3.4 List of Offices Not Included in This Inventory

The UNFPA includes all its main and sub-offices in its reporting boundary.

2.3.5 Emissions Categories and Sources

The list of most commonly track categories are pre-selected in the tool:

Mandatory scope 1 and 2 emissions

Vehicle Use

- Combustion engine vehicles
- Electric vehicles

Facility Fuel Use

- Fossil fuel use (e.g., generators or boilers)
- Renewable energy (on-site production)
- Refrigerant Leakage

Purchased energy

- Electricity from the grid
- Steam & heated/cooled water (Heating)

Optional emissions (Scope 3)

Business Travel

- Air travel
- Taxi

Focal Points are also to report on “Waste by Type” and “Water Usage” using the Impacti CARBON tool, though the equivalent emissions are not yet calculated.

2.3.6 UNFPA Boundary Condition Assumptions:

The inventory data collection methodology is, to the extent possible, the same throughout all offices. Our boundary conditions and assumptions are outlined below:

Buildings

- Where UNFPA shares office facilities without a separate meter, emissions are apportioned by percentage of total square meters occupied by the organization. A spreadsheet was shared with Green Focal Points to facilitate the calculation of estimated data.
- Estimates on number of personnel are derived from HR records.
- All offices are required to report on electricity, refrigerants, steam, and generator fuel consumption (when applicable).
- Where reliable electricity figures are missing, one of the following methods is used, in order of preference: 1) Previous year data (using a correction factor), 2) Electricity/m² of other office in same country, 3) Proxy based on regional average per m².

- Where refrigerant figures are missing a data gap is marked.
- Where steam figures or generator fuel figures are missing a data gap is marked.

Air travel

Air travel is representative of the UNFPA's core business activities and a significant emissions source. All offices are required to fill in Air Travel data through the ICAO Air Travel GHG calculator. Version 5.0.4 which is measured in tons of CO₂ and total km traveled.

The green focal points obtain information on air travel either by contacting their travel agency or by collecting data from the associate responsible for travel at their office. Then, they transfer the data to ICAO air travel calculator spreadsheet. UNFPA HQ asks all the offices to submit their ICAO air calculator spreadsheet report for the reference.

Where IATA codes are faulty and/or incomplete, they are corrected by UNFPA HQ on the base of likelihood/approximations or further clarification from the focal points.

- Entitlement travel is not included in 2019 GHG Emission report and marked as data gap.
- Relocation travel is impossible to determine and marked as data gap.
- All other types of ET (Initial Appointment, Lump-Sum Travel) are marked as a data gap.

Non-Air Business Travel

To account for transportation to/from airports, the GHG Helpdesk recommends applying a proxy of 25km per terminal recorded under "taxi" (also in those locations where taxi services are not used). Having said that in most UNFPA locations transport to/from airports is provided by an office vehicle and therefore already accounted for in the vehicle emissions.

Mobile sources

All the mobile sources data is entered either by fuel used or by distance traveled. When fuel consumption or mileage for mobile sources is not available, a proxy value for fuel consumption based on average fuel price from invoices is used (when the information is available).

Water consumption

Offices are encouraged to report water consumption through accessing water bills and/or meters. In case the office is in a shared/common premise, the dedicated spreadsheet can help estimate the data for the UNFPA office. Moreover, the wastewater treatment type is also to be reported.

Waste management

Offices are encouraged to report on general, recyclable, electronic and hazardous waste production by contacting the waste management company in charge of their office or by estimating the waste based on the number of containers disposed of by year. This exercise was also important to understand if e-waste and hazardous waste are produced by the office and, in this case, how they are discarded and treated.

E-waste includes items like monitors, laptops, desktops, and mobile phones. Country offices are asked to report how many items they disposed of in 2019 and then indicate whether the item had been donated, discarded, or recycled.

2.4 Emissions quantification

2.4.1 Quantification method:

See UN-wide IMP.

Note on quantification of Scope 3 emissions - duty travel emissions (air travel):

- Business air travel is a significant component of the UNFPA emission profile. In the UN GHG inventory, emissions from air travel are calculated using the ICAO air travel calculator (v 5.0.4).

2.4.2 Proxies used

Emission source	Option #	Proxy	Opportunity for improvement
Fuel consumption	1	Based on the cost of liters of Diesel/Petrol per country on the day of the reporting. Does not consider actual volume purchased.	Keep track of volume purchased in the invoices.
	2	Based on 2019 data. Factor applied based on average difference on expenses between 2019 and 2020. Does not consider specific country expenses.	Work with field offices on better collecting this information.
Electricity purchased	1	Based on the cost of kWh per country on the day of the reporting. Does not consider actual volume purchased.	Keep track of volume purchased in the invoices.
	2	Based on kWh/m2 average from 2020 in offices in the same country.	Work with field offices on better collecting this information. Consider installing electricity meters.
	3	Based on 2019 data minus 5% considering many offices were closed during 2020 due to the pandemic.	
	4	Based on kWh/m2 average from 2020 in the offices from the same region.	
Air travel	1	Based on the average tCO2e/staff of reporting offices.	

2.4.3 Source of Activity Data:

Vehicle Sources

- Fuel consumption/mileage for office car: activity data typically comes from fuel purchase receipts and/or logbook records. Where fuel purchase data is not available, typically driver log information on fuel purchases or mileage is used.

Generators

- Generators on-site that are UNFPA owned. This information is usually collected from purchasing records maintained by facility managers of buildings and/or contacting building management or the vendor directly.

Electricity

- Emissions from electricity usage typically come from landlords for leased buildings and from monthly electric utility bills for owned buildings.

Steam

- Purchased steam or heat from an individual Combined Heat and Power plant (CHP) can be acquired by consulting the purchasing records (amount of steam/heat purchased) and/or contacting the building management.

Travel

- Air Travel data was collected the following way. First, Field Office Focal Point obtained annual travel data through their local travel management contractor. Then, the itineraries with expressed IATA codes and class of travel were transferred for processing into the ICAO calculator. Afterwards, the final number was entered to GHG emission calculation report under Air Travel category. A copy of each country's travel ICAO report was saved for internal records and verification purposes.
- Land-based travel including taxis is calculated by distance travelled and the latest UN emission factors.

2.4.4 Normalization Factors:

See UN-wide IMP.

2.4.5 Data Collection Process for Normalization Factor:

Office square meters and number of personnel can be corrected by individual offices via the Impacti CARBON tool.

2.4.6 Data Collection Process – Quality Assurance:

Uncertainty is widespread in all data sources, as office reports are not accompanied by any supporting evidence but rely fully on the accuracy of reporting personnel.

To provide a level of quality assurance with the country office activity data, all office entries are reviewed in detail and clarifying questions are sent to key contacts. When clarifying information is not received, data is taken out of the inventory if it has a large potential for error and will skew inventory results. In these cases, an estimate is made when possible.

To detect obvious errors, year on year comparison of the reported emission levels is performed. This type of quality check is possible for offices that are at least in their second year of reporting. Also, extremely high/low values are also flagged. The Impacti CARBON team also supported the quality check verifying common mistakes from data entry.

2.4.7 Frequency:

Facility data will be reported on an annual basis in time for annual inventory reporting, generally by the end of the first quarter of the year.

2.5 Base Year

2.5.1 Base Year:

Following the new Strategy for sustainability management in the United Nations, 2020-2030, the base year is now 2010.

2.5.2 Base Year Recalculation Policy:

At present, a Base Year Recalculation Policy specific to UNFPA does not exist. UNFPA will follow the UN-wide recalculation policy when this is made available, or until its internal recalculation policy is developed.

2.5.3 Adjustment – Structural Changes:

Structural changes include mergers, acquisitions, and divestments and/or outsourcing or insourcing of GHG emitting activities. Changes in the status of leased assets also are considered structural changes. Since 2010, UNFPA real estate has evolved and since 2019 sub-offices are also included in the scope of the GHG inventory.

2.5.4 Adjustment – Methodology Changes:

Methodology changes include changes in activity data accuracy, changes in emission factors, changes in electricity intensity or air travel intensity figures, and/or changes to the methodology used to calculate GHG emissions. UNFPA follows the UN wide guidance in this area.

2.6 Management Tools

2.6.1 Roles and Responsibilities

GHG Focal Points in each of the field offices (Office Users) provided office information into the Impacti CARBON tool and saved the ICAO calculator in a dedicated folder. This information is then compiled by the Environmental Efficiency Specialist at the UNFPA HQ office (Entity Administrator).

2.6.2 Training

The UNFPA understands that most Green Focal Points perform different professional functions and are not familiar with issues of climate neutrality or environmental sustainability. Moreover, as we provided a new data collection tool, three different online training sessions were delivered to help focal points 1) better understand which data to collect, 2) familiarize themselves with the new application and how to enter data, and 3) correctly use the ICAO calculator and report on air travel data in the new tool.

2.7 Auditing and Verification

2.7.1 Internal Auditing:

Internal procedures used to verify accuracy of GHG inventory. UNFPA has a data quality review in place for all data submitted by Country Offices, to ensure that results are realistic.

2.7.2 External Validation and/or Verification:

At this stage there are no External procedures (i.e., 3rd party verifiers) used to verify accuracy of GHG inventory.

2.7.3 Management Review:

At present, there is no management review process for the GHG inventory.

3 ANNEX 1: LIST OF PREMISES INCLUDED IN THE SCOPE OF THE GHG INVENTORY

Region	Country	Location	Staff	Area
APRO	Afghanistan	Afghanistan_Bamyan City_Sub-Office	2	22
APRO	Afghanistan	Afghanistan_Herat City_Sub-Office	2	81
APRO	Afghanistan	Afghanistan_Kabul_Main-Office	66	2437
EECARO	Albania	Albania_Tirana_Main-Office	9	85
ASRO	Algeria	Algeria_Algers_Main-Office	9	188
ESARO	Angola	Angola_Luanda_Main-Office	15	341
LACRO	Argentina	Argentina_Buenos Aires_Main-Office	6	124
EECARO	Armenia	Armenia_Yerevan_Gov_Sub-Office	2	25
EECARO	Armenia	Armenia_Yerevan_Main-Office	11	115
EECARO	Armenia	Armenia_Yerevan_Sub-Office	1	80
EECARO	Azerbaijan	Azerbaijan_Baku_Main-Office	10	144
APRO	Bangladesh	Bangladesh_Cox's Bazar_Sub-Office	53	558
APRO	Bangladesh	Bangladesh_Dhaka_Main-Office	61	735
APRO	Bangladesh	Bangladesh_Dhaka_Sub-Office	4	75
APRO	Bangladesh	Bangladesh_Gulshan Dhaka_Sub-Office	0	260
EECARO	Belarus	Belarus_Minsk_Main-Office	17	206
WCARO	Benin	Benin_Cotonou_Main-Office	40	750
WCARO	Benin	Benin_PARAKOU_Sub-Office	5	159
APRO	Bhutan	Bhutan_Thimphu_Main-Office	5	129
LACRO	Bolivia	Bolivia_Cochabamba_Sub-Office	2	11
LACRO	Bolivia	Bolivia_La Paz_Main-Office	32	716
EECARO	Bosnia and Herzegovina	Bosnia & Herzegovina_Bihac_Sub-Office	0	35
EECARO	Bosnia and Herzegovina	Bosnia & Herzegovina_Sarajevo_Main-Office	15	136
ESARO	Botswana	Botswana_Gaborone_Main-Office	10	422
LACRO	Brazil	Brazil_Brasilia_Main-Office	61	320
LACRO	Brazil	Brazil_Salvador_Sub-Office	2	120
WCARO	Burkina Faso	Burkina Faso_Ouagadougou_Main-Office	49	693
WCARO	Burkina Faso	Burkina Faso_Ouagadougou_Sub-Office	12	238
ESARO	Burundi	Burundi_Bujumbura_Main-Office	30	637
APRO	Cambodia	Cambodia_Phnom Penh_Main-Office	19	560
WCARO	Cameroon	Cameroon_Bertoua_Sub-Office	2	800
WCARO	Cameroon	Cameroon_Maroua_Sub-Office	5	293
WCARO	Cameroon	Cameroon_Yaounde_Main-Office	40	1134

Region	Country	Location	Staff	Area
WCARO	Cape Verde	Cape Verde_Praia_Main-Office	13	2245
WCARO	Central African Republic	Central African Republic_Bangui_Main-Office	30	2656
WCARO	Chad	Chad_Baga Sola_Sub-Office	2	1590
WCARO	Chad	Chad_N'Djamena_Main-Office	2	1000
LACRO	Chile	Chile_Santiago_Main-Office	1	4
APRO	China	China_Beijing_Main-Office	16	704
LACRO	Colombia	Colombia_Bogota_Main-Office	153	574
ESARO	Comoros	Comoros_Moroni_Main-Office	10	240
WCARO	Congo	Congo_Brazzaville_Main-Office	22	1204
LACRO	Costa Rica	Costa Rica_San Jose_Main-Office	5	128
WCARO	Cote D'Ivoire	Cote D'Ivoire_Abidjan_Main-Office	40	935
WCARO	Cote D'Ivoire	Cote D'Ivoire_Bouake_Sub-Office	4	1840
WCARO	Cote D'Ivoire	Cote D'Ivoire_Guiglo_Sub-Office	4	300
LACRO	Cuba	Cuba_Ciudad de La Habana_Main-Office	8	89
ESARO	Congo	Dem Rep Congo_Bukavu_Sub-Office	4	87
ESARO	Congo	Dem Rep Congo_BUNIA_Sub-Office	0	60
ESARO	Congo	Dem Rep Congo_Goma_Sub-Office	17	2400
ESARO	Congo	Dem Rep Congo_Kalemie_Sub-Office	3	400
ESARO	Congo	Dem Rep Congo_Kananga_Sub-Office	5	37
ESARO	Congo	Dem Rep Congo_Kinshasa_Main-Office	55	3600
ESARO	Congo	Dem Rep Congo_Kinshasa_Sub-Office	6	105
ESARO	Congo	Dem Rep Congo_Lubumbashi_Sub-Office	6	600
ESARO	Congo	Dem Rep Congo_Mbujimayi_Sub-Office	2	97
ESARO	Congo	Dem Rep Congo_Tshikapa_Sub-Office	0	95
APRO	Dem Rep Korea	Dem Rep Korea_Pyongyang_Main-Office	8	490
ASRO	Djibouti	Djibouti_Djibouti_Main-Office	8	395
LACRO	Dominican Republic	Dominican Republic_Santo Domingo_Main-Office	15	163
LACRO	Ecuador	Ecuador_Quito_Main-Office	19	260
ASRO	Egypt	Egypt_Cairo_Main-Office	44	1090
LACRO	El Salvador	El Salvador_Antiguo Cuscatlan_Main-Office	22	400
WCARO	Equatorial Guinea	Equatorial Guinea_Malabo_Main-Office	7	480
ESARO	Eritrea	Eritrea_Asmara_Main-Office	9	262
ESARO	Eswatini	Eswatini_Mbabane_Main-Office	13	233
ESARO	Ethiopia	Ethiopia_Addis Ababa_Main-Office_Liason Office	67	1219
ESARO	Ethiopia	Ethiopia_Bahir Dar_Sub-Office	3	30
ESARO	Ethiopia	Ethiopia_Gambella_Sub-Office	2	24

Region	Country	Location	Staff	Area
ESARO	Ethiopia	Ethiopia_Hawassa_Sub-Office	3	20
ESARO	Ethiopia	Ethiopia_JIJIGA_Sub-Office	4	23
ESARO	Ethiopia	Ethiopia_Mekelle_Sub-Office	2	18
WCARO	Gabon	Gabon_Libreville_Main-Office	8	256
WCARO	Gambia	Gambia_Banjul_Main-Office	19	256
EECARO	Georgia	Georgia_Tbilisi_UNJP_Sub-Office	4	45
EECARO	Georgia	Georgia_Tbilisi_76_Sub-Office	0	32
EECARO	Georgia	Georgia_Tbilisi_EU4GE_Sub-Office	2	53
EECARO	Georgia	Georgia_Tbilisi_Main-Office	8	72
WCARO	Ghana	Ghana_Accra_Main-Office	81	750
WCARO	Ghana	Ghana_Tamale_Sub-Office	5	64
LACRO	Guatemala	Guatemala_Guatemala City_Main-Office	24	534
WCARO	Guinea	Guinea_Conakry_Main-Office	29	604
WCARO	Guinea	Guinea_Kankan_Sub-Office	5	62
WCARO	Guinea	Guinea_Mamou_Sub-Office	5	44
WCARO	Guinea	Guinea_Nzerekore_Sub-Office	5	62
WCARO	Guinea-Bissau	Guinea-Bissau_Bissau_Main-Office	16	248
LACRO	Haiti	Haiti_Port-au-Prince_Main-Office	52	765
LACRO	Honduras	Honduras_Tegucigalpa_Main-Office	26	384
APRO	India	India_Bhopal_Sub-Office	31	259
APRO	India	India_Bhubaneswar_Sub-Office	6	1912
APRO	India	India_Jaipur_Sub-Office	7	2500
APRO	India	India_New Delhi_Main-Office	28	259
APRO	India	India_Patna_Sub-Office	6	752
APRO	Indonesia	Indonesia_Jakarta_Main-Office	49	415
APRO	Iran (Islamic Republic Of)	Iran_Tehran_Main-Office	12	298
APRO	Iraq	Iraq_Baghdad_Main-Office	18	70
APRO	Iraq	Iraq_Dohuk_Sub-Office	2	105
APRO	Iraq	Iraq_Erbil_Sub-Office	25	265
ASRO	Jordan	Jordan_Amman_Main-Office	40	946
EECARO	Kazakhstan	Kazakhstan_Nur-Sultan_Main-Office	14	158
ESARO	Kenya	Kenya_Nairobi_Main-Office	38	335
EECARO	Kosovo	Kosovo_Pristina_Main-Office	7	93
EECARO	Kosovo	Kosovo_Zvecan_Sub-Office	1	22
EECARO	Kyrgyzstan	Kyrgyzstan_Bishkek_Main-Office	17	231

Region	Country	Location	Staff	Area
APRO	Lao People's Democratic Rep	Lao_Vientiane_Main-Office	29	328
ASRO	Lebanon	Lebanon_Beirut_Main-Office	18	313
ESARO	Lesotho	Lesotho_Maseru_Main-Office	17	267
WCARO	Liberia	Liberia_Monrovia_Main-Office	30	969
ASRO	Libya	Libya_Benghazi_Sub-Office	1	24
ASRO	Libya	Libya_Tripoli_Main-Office	13	170
ASRO	Libya	Libya_Tunis_Sub-Office	14	298
ESARO	Madagascar	Madagascar_Antananarivo_Main-Office	39	720
ESARO	Madagascar	Madagascar_TOLIARA_Sub-Office	9	81
ESARO	Malawi	Malawi_Lilongwe_Main-Office	46	841
APRO	Malaysia	Malaysia_Putrajaya_Main-Office	8	71
APRO	Maldives	Maldives_Male_Main-Office	5	127
WCARO	Mali	Mali_Bamako_Main-Office	49	600
WCARO	Mauritania	Mauritania_Nouakchott_Main-Office	23	400
LACRO	Mexico	Mexico_Mexico, D.F._Main-Office	33	932
EECARO	Moldova	Moldova Republic_Chisinau_506_Sub-Office	5	95
EECARO	Moldova	Moldova Republic_Chisinau_802_Sub-Office	2	20
EECARO	Moldova	Moldova Republic_Chisinau_Main-Office	14	188
APRO	Mongolia	Mongolia_Ulaanbaatar_Main-Office	27	303
ASRO	Morocco	Morocco_Rabat_Main-Office	18	315
ASRO	Morocco	Morocco_Rabat_Sub-Office	0	10
ESARO	Mozambique	Mozambique_Beira_Sub-Office	5	76
ESARO	Mozambique	Mozambique_Maputo_Main-Office	69	918
ESARO	Mozambique	Mozambique_Nampula_Sub-Office	3	36
ESARO	Mozambique	Mozambique_Pemba_Sub-Office	5	85
ESARO	Mozambique	Mozambique_Quelimane_Sub-Office	1	120
ESARO	Mozambique	Mozambique_Tete_Sub-Office	2	75
APRO	Myanmar	Myanmar_Hpa-An_Sub-Office	3	1082
APRO	Myanmar	Myanmar_Lashio_Sub-Office	4	263
APRO	Myanmar	Myanmar_Maungdaw_Sub-Office	2	628
APRO	Myanmar	Myanmar_Myitkyina_Sub-Office	4	530
APRO	Myanmar	Myanmar_Naypyitaw_Sub-Office	20	1709
APRO	Myanmar	Myanmar_Sittwe_Sub-Office	11	291
APRO	Myanmar	Myanmar_Yangon_Main-Office	39	5282
ESARO	Namibia	Namibia_Windhoek_Main-Office	8	318
APRO	Nepal	Nepal_Butwal_Sub-Office	12	256

Region	Country	Location	Staff	Area
APRO	Nepal	Nepal_Janakpur_Sub-Office	14	215
APRO	Nepal	Nepal_Kailali_Sub-Office	10	243
APRO	Nepal	Nepal_Kathmandu_Main-Office	47	640
LACRO	Nicaragua	Nicaragua_Managua_Main-Office	18	208
WCARO	Niger	Niger_Diffa_Sub-Office	3	23
WCARO	Niger	Niger_Niamey_Main-Office	39	301
WCARO	Niger	Niger_Tahoua_Sub-Office	6	16
WCARO	Niger	Niger_Zinder_Sub-Office	4	156
WCARO	Nigeria	Nigeria_Abuja_Main-Office	49	361
WCARO	Nigeria	Nigeria_Calabar_Sub-Office	14	306
WCARO	Nigeria	Nigeria_Ikoyi Lagos_Sub-Office	11	139
WCARO	Nigeria	Nigeria_Kaduna_Sub-Office	18	287
EECARO	North Macedonia	North Macedonia_Skopje_Main-Office	5	71
HQ	Belgium	Office in Brussels_Main-Office	8	272
HQ	Switzerland	Office in Geneva_Main-Office	27	525
HQ	United Kingdom	Office in London_Main-Office	2	12
HQ	Korea, Republic of	Office in Seoul_Main-Office	2	34
HQ	Japan	Office in Tokyo_Main-Office	2	82
HQ	United States	Office in Washington DC_Main-Office	2	254
ASRO	Oman	Oman_Muscat_Main-Office	10	329
APRO	Pakistan	Pakistan_Islamabad_Main-Office	35	696
APRO	Pakistan	Pakistan_KARACHI_Sub-Office	6	46
APRO	Pakistan	Pakistan_LAHORE_Sub-Office	1	19
APRO	Pakistan	Pakistan_Peshawar_Sub-Office	2	54
APRO	Pakistan	Pakistan_Quetta_Sub-Office	2	14
ASRO	Palestinian	Palestine_Gaza_Sub-Office	8	149
ASRO	Palestinian	Palestine_Jerusalem_Main-Office	20	466
ASRO	Palestinian	Palestine_Ramallah_Sub-Office	5	30
LACRO	Panama	Panama_Panama City_Main-Office	8	167
APRO	Papua New Guinea	Papua New Guinea_Port Moresby_Main-Office	19	177
LACRO	Paraguay	Paraguay_Asuncion_Main-Office	10	278
LACRO	Peru	Peru_Lima_Main-Office	20	625
APRO	Philippines	Philippines_Cotabato City_Sub-Office	14	1196
APRO	Philippines	Philippines_Iligan City_Sub-Office	2	70
APRO	Philippines	Philippines_Mandaluyong City_Main-Office	44	492
HQ	Denmark	Procurement Services Branch_Copenhagen_Main-Office	70	1235

Region	Country	Location	Staff	Area
ASRO	Yemen	Republic of Yemen_Aden_Sub-Office	12	420
ASRO	Yemen	Republic of Yemen_Hodeidah_Sub-Office	6	33
ASRO	Yemen	Republic of Yemen_Ibb_Sub-Office	2	8
ASRO	Yemen	Republic of Yemen_Saa'da_Sub-Office	3	14
ASRO	Yemen	Republic of Yemen_Sana'a_Main-Office	66	1520
APRO	Thailand	RO-APRO_Bangkok_Main-Office	55	974
ASRO	Jordan	RO-ASRO_Amman_Sub-Office	7	210
ASRO	Egypt	RO-ASRO_Cairo_Main-Office	48	1300
EECARO	Kazakhstan	RO-EECARO_Almaty_Sub-Office	4	112
EECARO	Turkey	RO-EECARO_Istanbul_Main-Office	42	1276
ESARO	South Africa	RO-ESARO_Johannesburg_Main-Office	66	1767
LACRO	Panama	RO-LACRO_Panama_Main-Office	37	1208
WCARO	Senegal	RO-WCARO_Dakar_Main-Office	57	843
ESARO	Rwanda	Rwanda_Kigali_Main-Office	33	685
WCARO	Sao Tome and Principe	Sao Tome & Principe_Sao Tome_Main-Office	7	165
WCARO	Senegal	Senegal_Dakar_Main-Office	47	383
EECARO	Serbia	Serbia_Belgrade_Main-Office	9	109
WCARO	Sierra Leone	Sierra Leone_Freetown_Main-Office	45	600
ASRO	Somalia	Somalia_Baidoa_Sub-Office	0	20
ASRO	Somalia	Somalia_Garowe_Sub-Office	10	18
ASRO	Somalia	Somalia_Hargeisa_Sub-Office	14	18
ASRO	Somalia	Somalia_Mogadishu_Main-Office	21	30
ASRO	Somalia	Somalia_Nairobi_Sub-Office	25	50
ESARO	South Africa	South Africa_Bisho_Sub-Office	3	60
ESARO	South Africa	South Africa_Durban_Sub-Office	2	10
ESARO	South Africa	South Africa_Pretoria_Main-Office	15	460
ESARO	South Sudan	South Sudan_Aweil_Sub-Office	2	100
ESARO	South Sudan	South Sudan_Bentiu_Sub-Office	2	100
ESARO	South Sudan	South Sudan_Juba_Main-Office	80	643
ESARO	South Sudan	South Sudan_Kwajok_Sub-Office	1	20
ESARO	South Sudan	South Sudan_Malakal_Sub-Office	1	50
ESARO	South Sudan	South Sudan_Rumbek_Sub-Office	0	56
ESARO	South Sudan	South Sudan_Wau_Sub-Office	4	42
ESARO	South Sudan	South Sudan_Yambio_Sub-Office	2	25
APRO	Sri Lanka	Sri Lanka_Colombo_Main-Office	29	272
LACRO	Belize	SRO-Jamaica_Belize_Sub-Office	3	29

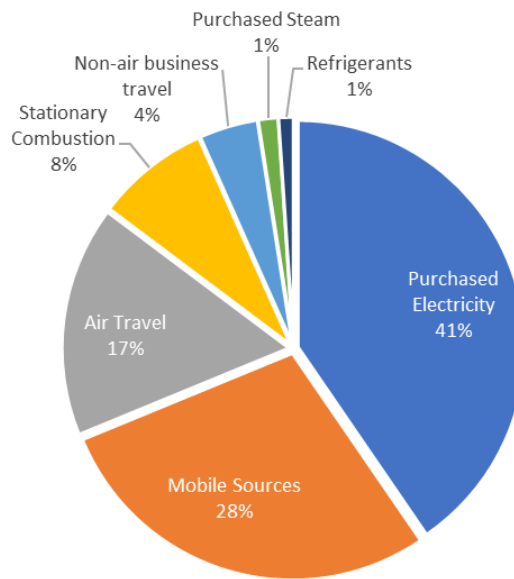
Region	Country	Location	Staff	Area
LACRO	Barbados	SRO-Jamaica_Christ Church_Sub-Office	2	200
LACRO	Guyana	SRO-Jamaica_Georgetown_Sub-Office	7	36
LACRO	Jamaica	SRO-Jamaica_Kingston_Main-Office	16	450
LACRO	Suriname	SRO-Jamaica_Paramaribo_Sub-Office	3	42
LACRO	Trinidad and Tobago	SRO-Jamaica_Port-of-Spain_Sub-Office	5	4
APRO	Samoa	SRO-Pacific_Apia_Sub-Office	3	17
APRO	Solomon Islands	SRO-Pacific_Honiara_Sub-Office	3	41
APRO	Tonga	SRO-Pacific_Nukualofa_Sub-Office	2	40
APRO	Micronesia	SRO-Pacific_Pohnpei_Sub-Office	2	86
APRO	Vanuatu	SRO-Pacific_Port Vila_Sub-Office	5	4
APRO	Fiji	SRO-Pacific_Suva_Main-Office	35	818
APRO	Kiribati	SRO-Pacific_Tarawa_Sub-Office	3	11
ASRO	Sudan	Sudan_El Fasher_Sub-Office	7	147
ASRO	Sudan	Sudan_Geneina_Sub-Office	7	450
ASRO	Sudan	Sudan_Khartoum_Main-Office	88	820
ASRO	Sudan	Sudan_Nyala_Sub-Office	8	600
ASRO	Sudan	Sudan_Zalingei_Sub-Office	1	16
ASRO	Syria	Syrian Arab Republic_Aleppo_Sub-Office	5	120
ASRO	Syria	Syrian Arab Republic_Damascus_Main-Office	63	210
ASRO	Syria	Syrian Arab Republic_Damascus_Sub-Office	11	220
ASRO	Syria	Syrian Arab Republic_Deir Ezzor_Sub-Office	4	43
ASRO	Syria	Syrian Arab Republic_Homs_Sub-Office	4	123
EECARO	Tajikistan	Tajikistan_Dushanbe_Main-Office	19	285
ESARO	Tanzania	Tanzania_Dar-es-Salaam_Main-Office	28	800
ESARO	Tanzania	Tanzania_ZANZIBAR_Sub-Office	5	218
APRO	Thailand	Thailand_Bangkok_Main-Office	7	165
APRO	Timor-Leste	Timor Leste_Dili_Main-Office	26	338
WCARO	Togo	Togo_Lome_Main-Office	30	2700
ASRO	Tunisia	Tunisia_Tunis_Main-Office	15	250
EECARO	Turkey	Turkey_Ankara_Main-Office	38	600
EECARO	Turkey	Turkey_Gaziantep_Sub-Office	15	119
EECARO	Turkmenistan	Turkmenistan_Ashgabat_Main-Office	11	204
ESARO	Uganda	Uganda_Gulu_Sub-Office	3	74
ESARO	Uganda	Uganda_Kampala_Main-Office	60	1500
ESARO	Uganda	Uganda_Moroto_Sub-Office	4	180
EECARO	Ukraine	Ukraine_Kramatorsk_Sub-Office	2	73

Region	Country	Location	Staff	Area
EECARO	Ukraine	Ukraine_Kyiv_Main-Office	38	608
HQ	United States	UNFPA HQ_New York_Main-Office	400	12146
LACRO	Uruguay	Uruguay_Montevideo_Main-Office	11	139
EECARO	Uzbekistan	Uzbekistan_Tashkent_Main-Office	14	412
LACRO	Venezuela	Venezuela_Caracas_Main-Office	28	437
LACRO	Venezuela	Venezuela_Puerto Ordaz_Sub-Office	0	46
APRO	Vietnam	Viet Nam_Hanoi_Main-Office	30	478
ESARO	Zambia	Zambia_Lusaka_Main-Office	24	314
ESARO	Zambia	Zambia_Mansa_Sub-Office	3	57
ESARO	Zambia	Zambia_Mongu_Sub-Office	3	27
ESARO	Zambia	Zambia_Solwezi_Sub-Office	3	27
ESARO	Zimbabwe	Zimbabwe_Harare_Main-Office	40	1068

4 ANNEX 2: OVERVIEW OF THE UNFPA 2020 GHG INVENTORY

The share of emissions from Air travel reduced from 51% in 2019 to 17% in 2020 due to the global pandemic. Overall emissions were cut in half, for the same reasons, with a total of 10,891 tCO₂e in 2020.

UNFPA 2020 GHG emissions by source



In 2020, emissions per region varied based on the level of activity that was possible to maintain despite the global pandemic. Moreover, the local infrastructure and accessibility to new technologies also varies, influencing the total carbon footprint.

Emissions per region 2020

