

GREENING THE BLUE REPORT 2018

THE UN SYSTEM'S ENVIRONMENTAL
FOOTPRINT AND EFFORTS TO
REDUCE IT



OVERVIEW

Reporting the UN System's environmental footprint. In 2017, the System:

- Emitted 1.86 million tCO₂eq = 7.26 tCO₂eq per capita
- Generated 540 kg of waste per capita
- Used 53 m³ of water per capita
- Reduced its greenhouse gas emissions from facilities, travel or both in 32 entities
- Offset 39% of its reported greenhouse gas emissions, with 43 entities being climate neutral

For the full report, visit www.greeningtheblue.org

ENVIRONMENTAL PERFORMANCE INDICATORS

	MEASURE			REDUCE	OFFSET
	GREENHOUSE GAS EMISSIONS	WASTE	WATER	ENVIRONMENTAL MANAGEMENT	CLIMATE NEUTRAL
BRS	■	■	■	■	■
CBD	■	■	■	■	■
CTBTO	■	■	■	■	■
ECA	■	■	■	■	■
ECE	■	■	■	■	■
ECLAC	■	■	■	■	■
ESCAP	■	■	■	■	■
ESCWA	■	■	■	■	■
FAO	■	■	■	■	■
Field Missions ¹	■	■	■	■	■
IAEA	■	■	■	■	■
ICAO	■	■	■	■	■
IFAD	■	■	■	■	■
ILO	■	■	■	■	■
IMF	■	■	■	■	■
IMO	■	■	■	■	■
IOM	■	■	■	■	■
ITC	■	■	■	■	■
ITC-ILO	■	■	■	■	■
ITU	■	■	■	■	■
OHCHR	■	■	■	■	■
OPCW	■	■	■	■	■
Ozone Secretariat	■	■	■	■	■
UNAIDS	■	■	■	■	■
UNCCD	■	■	■	■	■
UNCDF	■	■	■	■	■
UNDP	■	■	■	■	■

	MEASURE			REDUCE	OFFSET
	GREENHOUSE GAS EMISSIONS	WASTE	WATER	ENVIRONMENTAL MANAGEMENT	CLIMATE NEUTRAL
UN Environment	■	■	■	■	■
UNESCO	■	■	■	■	■
UNFCCC	■	■	■	■	■
UNFPA	■	■	■	■	■
UN-Habitat	■	■	■	■	■
UNHCR	■	■	■	■	■
UNHQ ²	■	■	■	■	■
UNICEF	■	■	■	■	■
UNIDO	■	■	■	■	■
UNITAR	■	■	■	■	■
UNOG ³	■	■	■	■	■
UNON	■	■	■	■	■
UNOPS	■	■	■	■	■
UNOV ⁴	■	■	■	■	■
UNRWA	■	■	■	■	■
UNSSC	■	■	■	■	■
UNU	■	■	■	■	■
UNV	■	■	■	■	■
UN Women	■	■	■	■	■
UNWTO	■	■	■	■	■
UPU	■	■	■	■	■
WFP	■	■	■	■	■
WHO	■	■	■	■	■
WIPO	■	■	■	■	■
WMO	■	■	■	■	■
World Bank Group ⁵	■	■	■	■	■
WTO	■	■	■	■	■

GREENHOUSE GAS EMISSIONS

- Entity reported greenhouse gas emissions for all of its personnel within the defined boundaries for the reporting year.
- Entity reported greenhouse gas emissions for a percentage of total personnel for the reporting year or reported on emissions from previous years.
- Entity did not report on greenhouse gas emissions.

WASTE

- Entity reported quantitative data for some or all of its waste for the reporting year.
- Entity reported qualitative data for some or all of its waste for the reporting year.
- Entity did not report on waste for the reporting year.

WATER

- Entity reported quantitative data for some or all of its water for the reporting year.
- Entity reported qualitative data for some or all of its water for the reporting year.
- Entity did not report on water for the reporting year.

ENVIRONMENTAL MANAGEMENT

- Entity is certified under an established system, i.e. ISO 14001, LEED, BREEAM or equivalent, or is considered to have a complete environmental or sustainability management system covering at least headquarters or a majority of its personnel.
- Entity has other systematic approaches to environmental management, such as an approved Emissions Reduction Strategy, Climate Neutral Strategy, Environmental Policy, or Sustainability Policy or an environmental management system under way – having policy and designated roles and responsibilities – in at least headquarters.
- Entity has no systematic approach to environmental management.

CLIMATE NEUTRAL

- Entity is climate neutral as a result of offsetting all reported greenhouse gas emissions for the reporting year.
- Entity is not climate neutral for the reporting year.

1. Field Missions refers to peacekeeping operations, special political missions and support missions. Reported figures are for all missions under the peacekeeping support account, which includes peacekeeping operations, UNSOS and two service centres (GSC and RSCE). Special political missions and support missions have not been included.

2. Includes building-related emissions of UN Secretariat offices located at the UNHQ complex, including New York-based operations of DFS, DPA and DPKO, and travel emissions financed by UNHQ entities (Umoja business

area S100). Excludes New York offices of UN Environment and non-Secretariat entities.

3. Includes building- and travel-related emissions of UNOG and of the Geneva offices of OCHA, CEB/HLOM Secretariat, UNCTAD and UNRISD.

4. Includes UNODC.

5. Includes GEF, IBRD, IDA, ICSID, IFC and MIGA.

MEASURE: GREENHOUSE GAS EMISSIONS



SUMMARY

- 66 reporting entities
- Total UN greenhouse gas emissions = 1.86 million tCO₂eq
- Per capita greenhouse gas emission = 7.26 tCO₂eq
- Emissions sources:
 - 44% came from UN facilities
 - 42% came from air travel
 - 14% came from other travel





GREENHOUSE GAS EMISSIONS FROM UN ENTITIES - 2018

UN entity	Number of personnel (#)	Total emissions ¹ (tCO ₂ e)	Per capita emissions (tCO ₂ e/personnel)	Share of total emissions (%)			Facilities-related emissions intensity ² (kgCO ₂ e/m ²)
				Air travel	Other travel	Facilities	
BRS	70	516	7.37	96%	2%	3%	9.8
CBD	105	819	7.80	96%	2%	2%	4.4
CTBTO	277	1,959	7.07	65%	1%	34%	27.2
ECA	1,537	4,765	3.10	84%	3%	13%	6.8
ECE	226	1,279	5.66	82%	0%	18%	16.6
ECLAC	1,279	2,317	3.31	67%	0%	33%	30.2
ESCAP	864	6,823	7.90	42%	2%	56%	56.8
ESCWA	488	4,542	9.31	18%	1%	80%	86.9
FAO	12,151	47,062	3.87	63%	4%	33%	59.0
Field Missions ³	113,750	1,025,743	9.02	31%	17%	52%	-
IAEA	2,793	27,990	10.02	65%	0%	35%	53.5
ICAO	807	4,798	5.95	68%	2%	30%	33.5
IFAD	999	4,592	4.60	84%	4%	11%	18.4
ILO	2,343	14,648	4.98	65%	4%	31%	78.7
IMF	3,334	51,144	15.34	54%	1%	45%	84.8
IMO	367	3,218	8.77	32%	1%	67%	91.4
IOM	720	3,512	4.88	92%	3%	5%	14.7
ITC	421	2,250	5.34	84%	0%	16%	45.8
ITC-ILO	450	1,901	4.22	74%	4%	23%	14.2
ITU	892	5,103	5.72	74%	1%	25%	25.9
OHCHR	1,301	9,083	6.98	83%	2%	16%	38.1
OPCW	520	3,136	6.03	85%	3%	12%	16.4
Ozone secretariat	17	713	41.92	97%	1%	1%	41.8
UNAIDS	686	4,459	6.50	46%	12%	43%	49.0
UNCCD	62	649	10.46	93%	0%	7%	7.8
UNCDF	130	1,135	8.73	86%	1%	12%	113.7
UNDP	16,500	69,196	4.19	58%	8%	34%	151.2
UN Environment	1,283	8,820	6.87	85%	1%	14%	53.7
UNESCO	6,090	19,224	3.16	44%	4%	52%	40.7
UNFCCC	481	2,343	4.87	94%	1%	5%	3.7
UNFPA	3,912	17,682	4.52	38%	25%	37%	62.3
UNHCR	2,067	7,806	3.78	46%	32%	22%	38.2

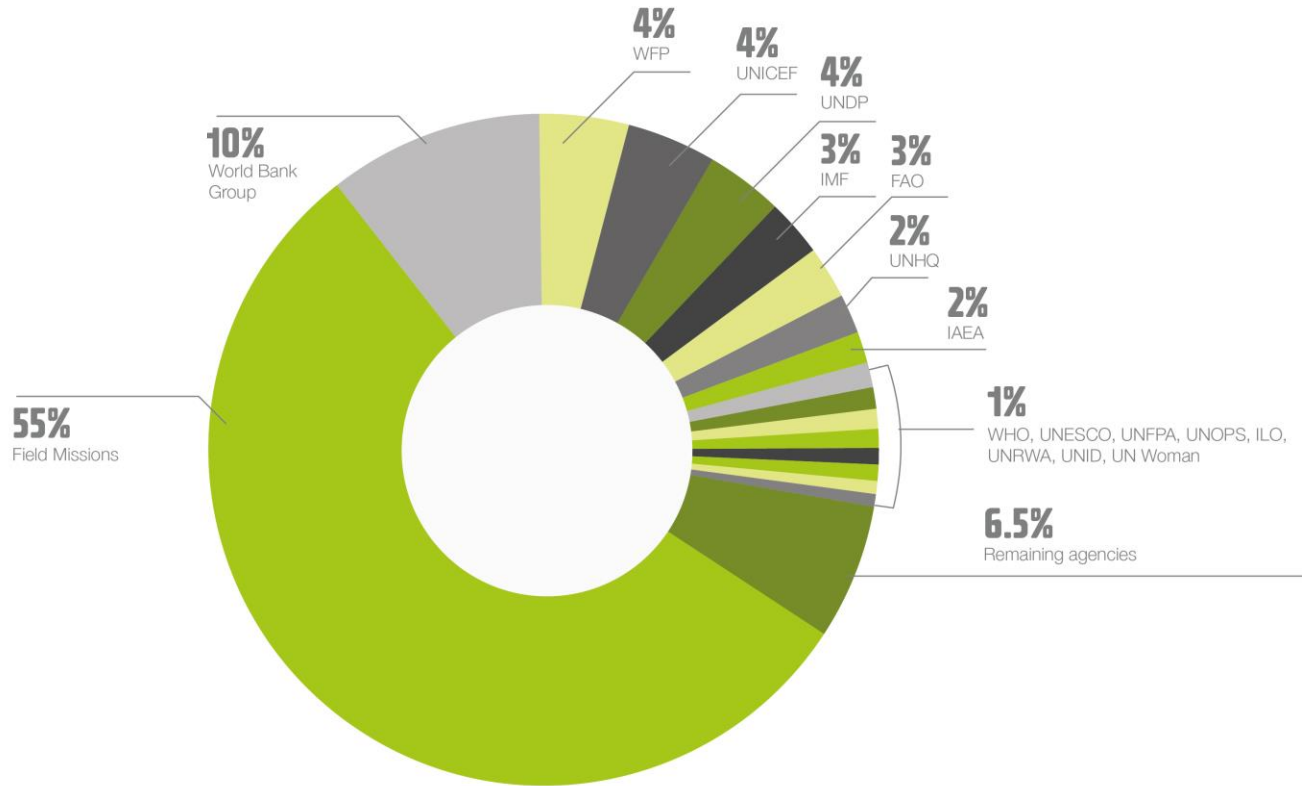
UN entity	Number of personnel (#)	Total emissions ¹ (tCO ₂ e)	Per capita emissions (tCO ₂ e/personnel)	Share of total emissions (%)			Facilities-related emissions intensity ² (kgCO ₂ e/m ²)
				Air travel	Other travel	Facilities	
UNHQ ⁴	8,200	35,307	4.31	66%	1%	33%	33.5
UNICEF	16,139	79,967	4.95	39%	20%	41%	53.7
UNIDO	3,251	11,250	3.46	46%	18%	36%	26.7
UNITAR	85	465	5.47	95%	2%	3%	9.4
UNOG ⁵	2,350	7,000	2.98	61%	1%	38%	18.8
UNOG-hosted entities ⁶	124	1,519	12.25	90%	0%	9%	18.8
UNON	788	1,707	2.17	33%	6%	61%	38.8
UNOPS	3,560	16,980	4.77	39%	20%	41%	100.8
UNOV ⁷	1,130	3,936	3.48	74%	1%	25%	14.7
UNRWA	3,274	14,543	4.44	1%	54%	45%	93.2
UNSSC	62	190	3.06	76%	5%	19%	14.5
UNU	153	1,340	8.76	36%	0%	63%	130.8
UNV	130	208	1.60	56%	6%	38%	7.8
UN Women	2,029	11,252	5.55	65%	6%	29%	107.5
UNWTO	177	586	3.31	61%	4%	34%	32.0
UPU	268	1,040	3.88	67%	1%	32%	26.7
WFP	15,863	80,036	5.05	31%	34%	35%	13.6
WHO	2,489	22,247	8.94	90%	0%	10%	29.4
WIPO	1,659	7,445	4.49	75%	1%	23%	27.2
WMO	340	4,631	13.62	87%	2%	11%	16.1
World Bank Group ⁸	15,883	192,559	12.12	65%	3%	33%	80.4
WTO	845	4,307	5.10	88%	2%	10%	10.4
Total (UN-wide)	255,741	1,857,739	7.26	42%	13%	44%	43.2

Climate neutral entities

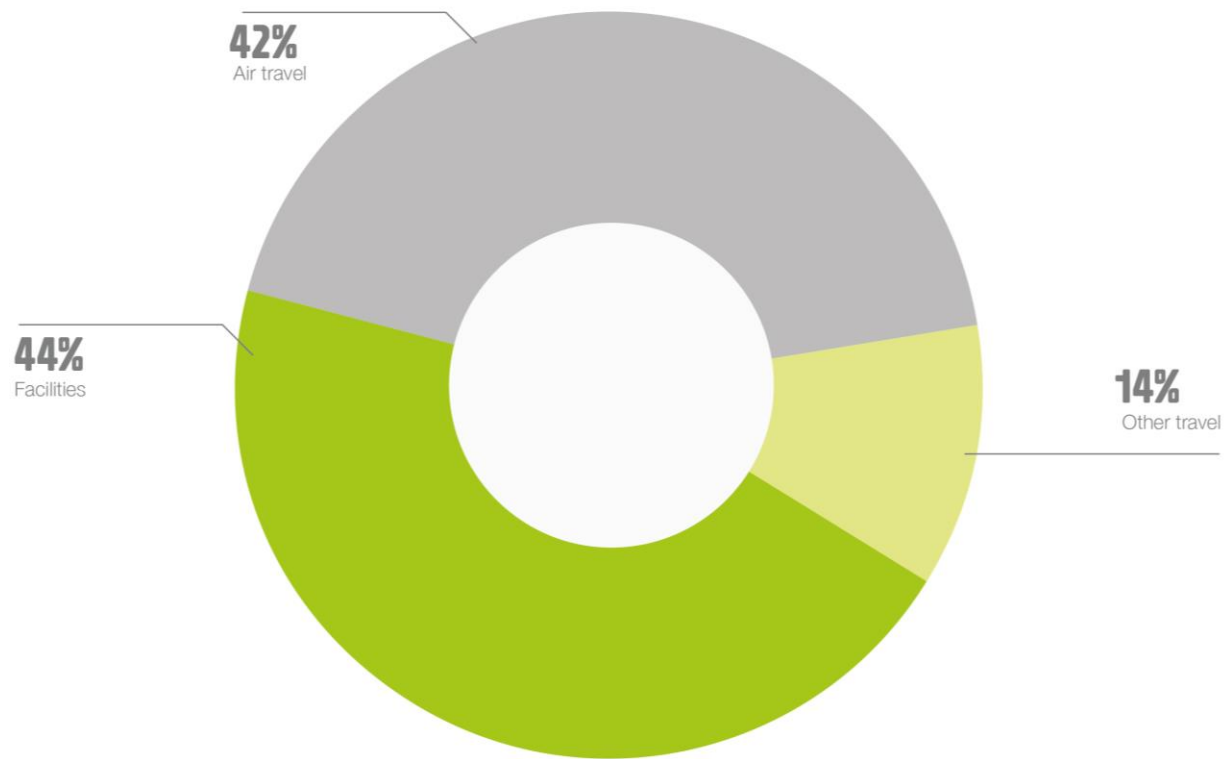
- 1 GHG emissions excluding optional and biomass emissions
- 2 UN system-wide facilities-related emissions intensity does not include Field Missions (building area not available)
- 3 Field Missions refers to peacekeeping operations, special political missions and support missions. Reported figures are for all missions under the peacekeeping support account, which includes peacekeeping operations, UNSOS and two service centres (GSC and RSCE). Special political missions and support missions have not been included.
- 4 Includes building-related emissions of UN Secretariat offices located at the UNHQ complex, including New York-based operations of DFS, DPA and DPKO, and travel emissions financed by UNHQ entities (Umoja business area S100). Excludes New York offices of UN Environment and non-Secretariat entities.
- 5 Includes building- and travel-related emissions of the following entities located at the Palais des Nations: UNCTAD, UNRISD and the Geneva offices of CEB and OCHA, all of which are climate neutral.
- 6 Includes building- and travel-related emissions of the following entities located at the Palais des Nations: JIU, UNIDIR, UNISDR, UNJSPF and the Geneva offices of OIOS and UNODA.
- 7 Includes UNODC
- 8 Includes GEF, IBRD, IDA, ICSID, IFC and MIGA



UN GREENHOUSE GAS EMISSIONS BY ENTITY



UN GREENHOUSE GAS EMISSIONS BY SOURCE



MEASURE: WASTE



SUMMARY

- 56 reporting entities
- Per capita waste generation
 - 540kg including Field Missions
 - 240kg excluding Field Missions
- Waste disposal
 - 29% → landfill
 - 21% → reuse/recycle/compost
 - 15% → incineration (open)
 - 10% → incineration (closed)
 - 7% → controlled disposal
 - 2% → energy recovery
 - 1% → onsite storage
 - 9% → other
 - 6% → unknown



WASTE IN UN ENTITIES – 2018



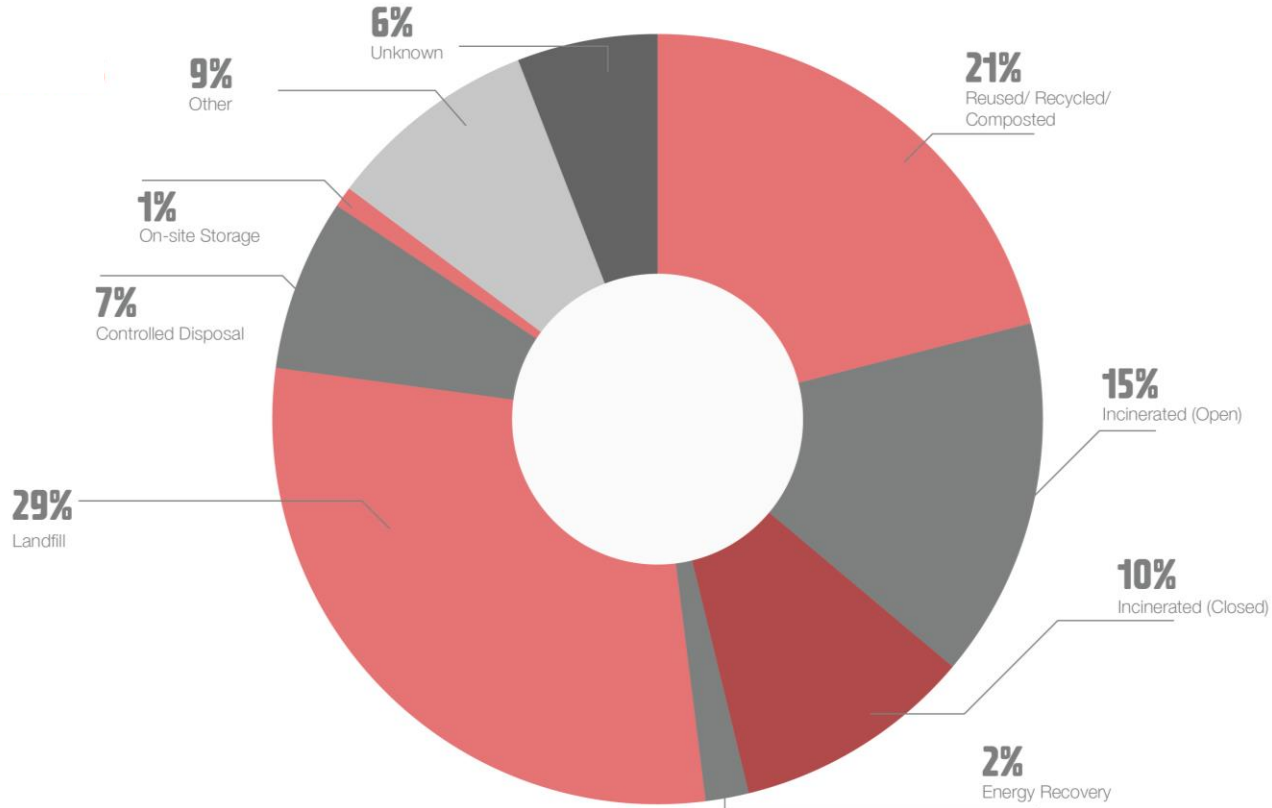
UN entity	Waste per capita (kg/person/ annum)	Reused/ recycled/ composted/ recovered (%)	Incinerated closed (%)	Incinerated open (%)	Landfilled (%)	Controlled disposal (%)	Other (%)
BRS	235	73%	0%	17%	0%	0%	11%
CTBTO	103	38%	0%	0%	0%	0%	62%
ECA	50	98%	0%	0%	1%	0%	0%
ECLAC	325	11%	0%	0%	89%	0%	0%
ESCAP	131	24%	6%	0%	44%	0%	25%
ESCWA	30	94%	0%	0%	0%	1%	5%
FAO	102	41%	0%	0%	59%	0%	0%
Field Missions	667	17%	11%	17%	31%	8%	15%
IAEA	244	64%	32%	0%	2%	2%	1%
IFAD	108	86%	0%	0%	14%	0%	0%
ILO	588	90%	0%	0%	4%	2%	4%
IMF	483	64%	0%	0%	36%	0%	0%
IMO	500	92%	0%	0%	0%	0%	8%
ITC	106	100%	0%	0%	0%	0%	0%
ITC-ILO	523	100%	0%	0%	0%	0%	0%
ITU	319	96%	0%	0%	4%	0%	0%
OHCHR	320	82%	0%	0%	4%	0%	14%
Ozone Secretariat	58	63%	0%	0%	0%	0%	37%
OPCW	307	37%	0%	0%	0%	0%	63%
UNAIDS	155	45%	40%	0%	0%	0%	15%
UNCCD	23	100%	0%	0%	0%	0%	0%
UN Environment	363	51%	0%	0%	0%	0%	49%
UNESCO	634	7%	7%	0%	2%	79%	5%
UNFCCC	99	100%	0%	0%	0%	0%	0%
UNFPA	33	100%	0%	0%	0%	0%	0%
UNHCR	186	25%	0%	8%	0%	3%	64%

UN entity	Waste per capita (kg/person/ annum)	Reused/ recycled/ composted/ recovered (%)	Incinerated closed (%)	Incinerated open (%)	Landfilled (%)	Controlled disposal (%)	Other (%)
UNHQ	275	82%	0%	0%	0%	0%	18%
UNIDO	175	62%	35%	0%	2%	0%	1%
UNICEF	221	9%	0%	0%	0%	0%	91%
UNOG	508	85%	0%	0%	6%	0%	8%
UNON	139	62%	0%	0%	0%	0%	38%
UNOPS	89	21%	4%	3%	41%	3%	28%
UNOV	321	42%	24%	0%	2%	0%	33%
UNSSC	546	100%	0%	0%	0%	0%	0%
UNU	129	93%	0%	0%	0%	0%	7%
UNV	102	100%	0%	0%	0%	0%	0%
UN Women	238	0%	0%	0%	0%	0%	100%
UNWTO	177	71%	0%	0%	5%	0%	24%
UPU	194	89%	11%	0%	0%	0%	0%
WFP	260	15%	0%	0%	0%	4%	81%
WHO	121	50%	47%	0%	0%	0%	3%
WIPO	252	99%	0%	0%	0%	0%	0%
WMO	184	97%	0%	0%	0%	0%	3%
World Bank Group	154	58%	0%	0%	42%	0%	0%
WTO	110	87%	12%	0%	0%	0%	1%
Total (UN-wide)¹	540	23%	10%	15%	29%	7%	16%

¹ The UN-wide figures are based on an aggregate of sites that provided full waste data and therefore excludes some of the data provided above.



WASTE DISPOSAL METHODS



MEASURE: WATER



SUMMARY

- 56 reporting entities
- Per capita water consumption = 53 m³ (53,000 litres)





WATER IN UN ENTITIES – 2018

UN entity	Water Usage (m ³)	Water recycled internally (m ³)	% Recycled
BRS	831		0.0%
CBD	5,277		0.0%
CTBTO	16,412		0.0%
ECA	145,793		0.0%
ECLAC	68,451		0.0%
ESCAP	28,378	874.2	0.9%
ESCWA	4,445		0.0%
FAO	88,727		0.0%
Field Missions	7,987,851	178,973.2	2.2%
IAEA	137,755		0.0%
IFAD	15,486	0.2	0.0%
ILO	71,513	2,657.0	3.7%
IMF	161,160		0.0%
IMO	10,595		0.0%
ITC	3,311		0.0%
ITCILO	34,846		0.0%
ITU	10,156		0.0%
Ozone Secretariat	0.2		0.0%
OHCHR	8,083		0.0%
UN Women	8,109		0.0%
UNAIDS	8,531	0.2	0.0%
UNCCD	2,166		0.0%
UN Environment	1,596	6.4	0.4%

UN entity	Water Usage (m ³)	Water recycled internally (m ³)	% Recycled
UNFCCC	5,923		0.0%
UNHCR	39,153		0.0%
UNHQ	227,731		0.0%
UNICEF	118,507		0.0%
UNIDO	27,735		0.0%
UNOG	989,868		0.0%
UNON	21,836	17,468.0	80.0%
UNOPS	80,848		0.0%
UNOV	44,942		0.0%
UNSSC	1,979		0.0%
UNU	5,864	123.0	2.1%
UNV	3,121		0.0%
UNWTO	1,587		0.0%
UPU	4,329		0.0%
WFP	48,469	0.8	0.0%
WHO	36,061		0.0%
WIPO	37,894		0.0%
WMO	12,236		0.0%
World Bank Group	709,503		0.0%
WTO	17,049		0.0%
Total (UN-wide)	11,254,106	200,103.1	1.8%



REDUCE: ENVIRONMENTAL MANAGEMENT



SUMMARY

- 26 entities have implemented or are in the process of developing an Environmental Management System
- 32 entities reduced the emissions from their facilities, travel or both in 2017 compared to 2016



OFFSET: CLIMATE NEUTRALITY



SUMMARY

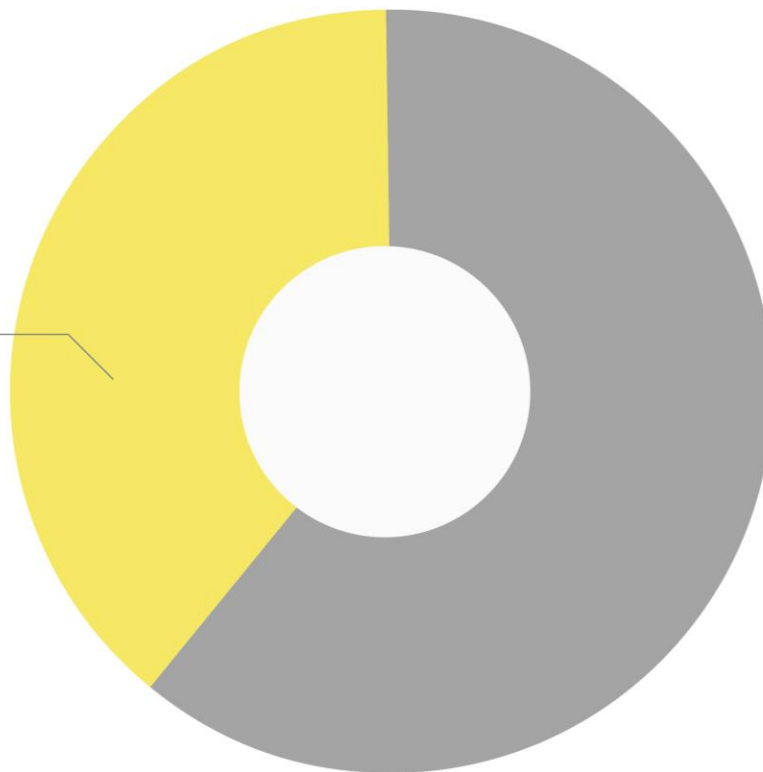
- 43 climate neutral entities = increase of 4 entities compared to 2016
- 39% total UN emissions offset = increase of 2% compared to 2016



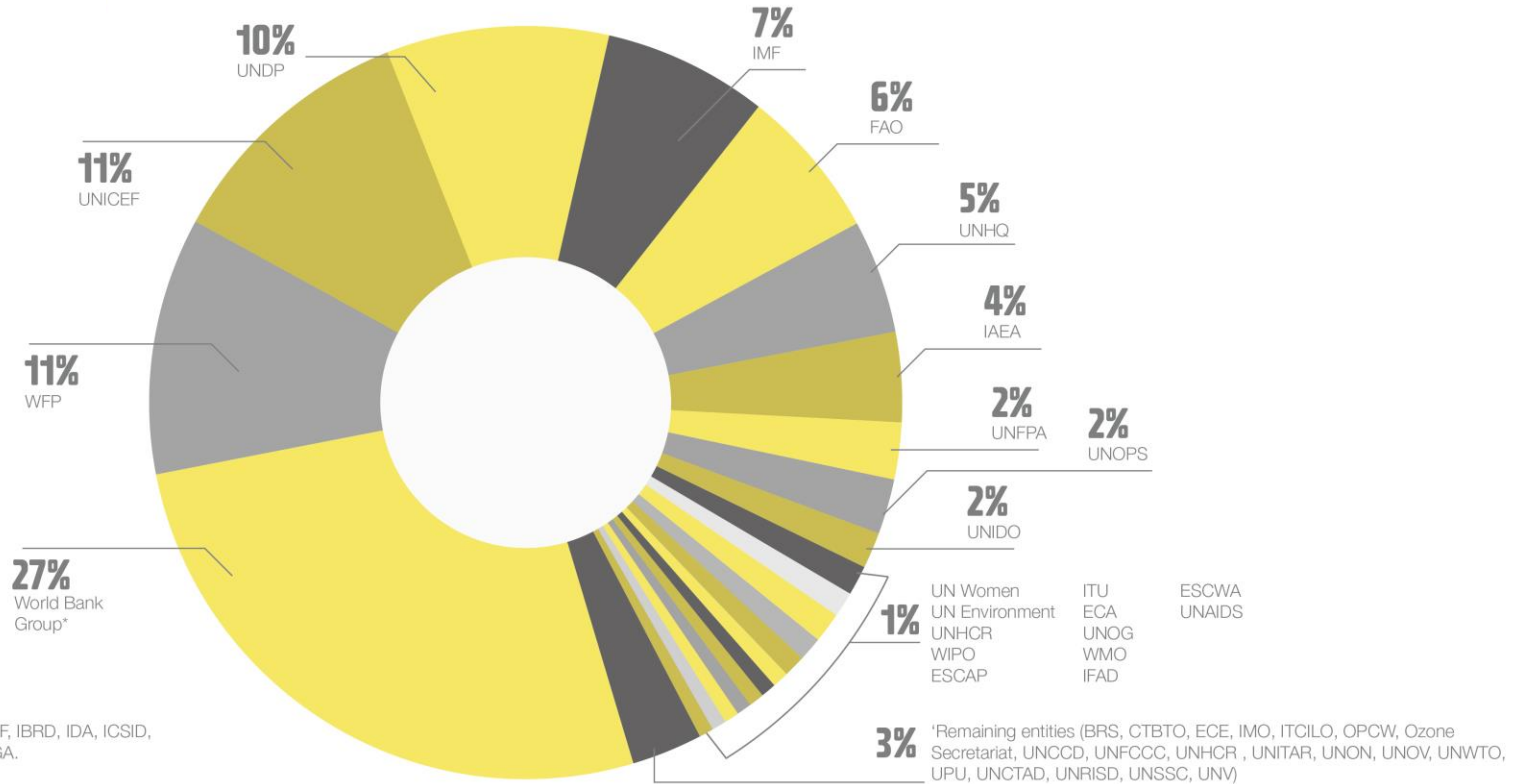
NUMBER OF CLIMATE NEUTRAL UN ENTITIES

39%

of total reported greenhouse gas emissions were offset



UN OFFSETS BY ENTITY



THANK YOU

For more information, please contact info@greeningtheblue.org.