

# Ghana

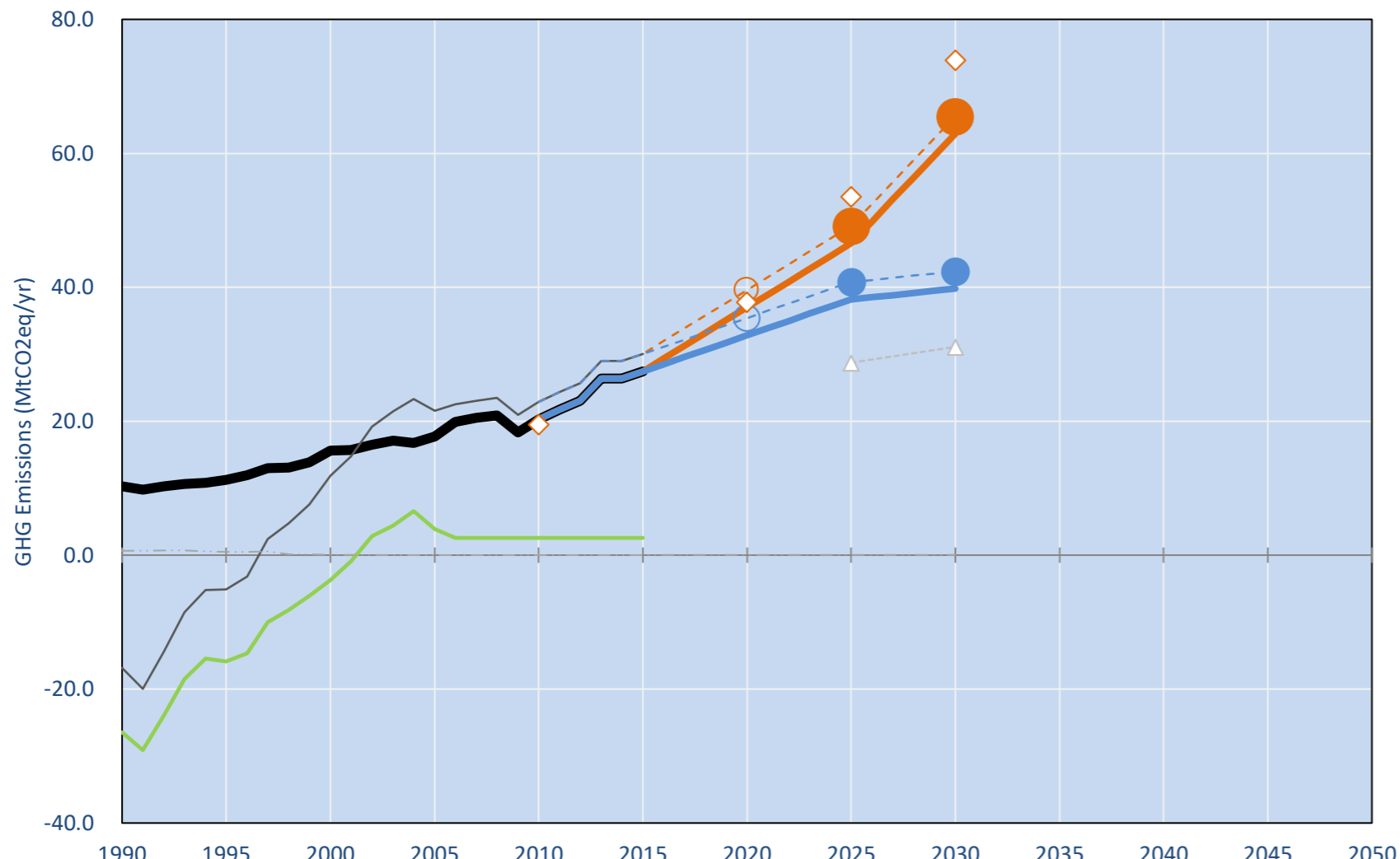
Per-Capita Emissions in 2030 rel. 2015 (excl. LULUCF): **+39%**

NDC 2025	NDC 2030	2015 World Rank	2025 World Rank	2030 World Rank
-12% rel. BAU of 53.5 Mt	-15% rel. BAU of 74 Mt	0.1% #111	0.1% #99	0.1% #90
-27% rel. BAU of 53.5 Mt	-45% rel. BAU of 74 Mt	1t #189	1.3t #177	1.4t #171

NDC: Unconditional 15% emission reduction by 2030 compared to BAU; 45% reduction by 2030 compared to BAU conditional on international support. (GWP SAR)

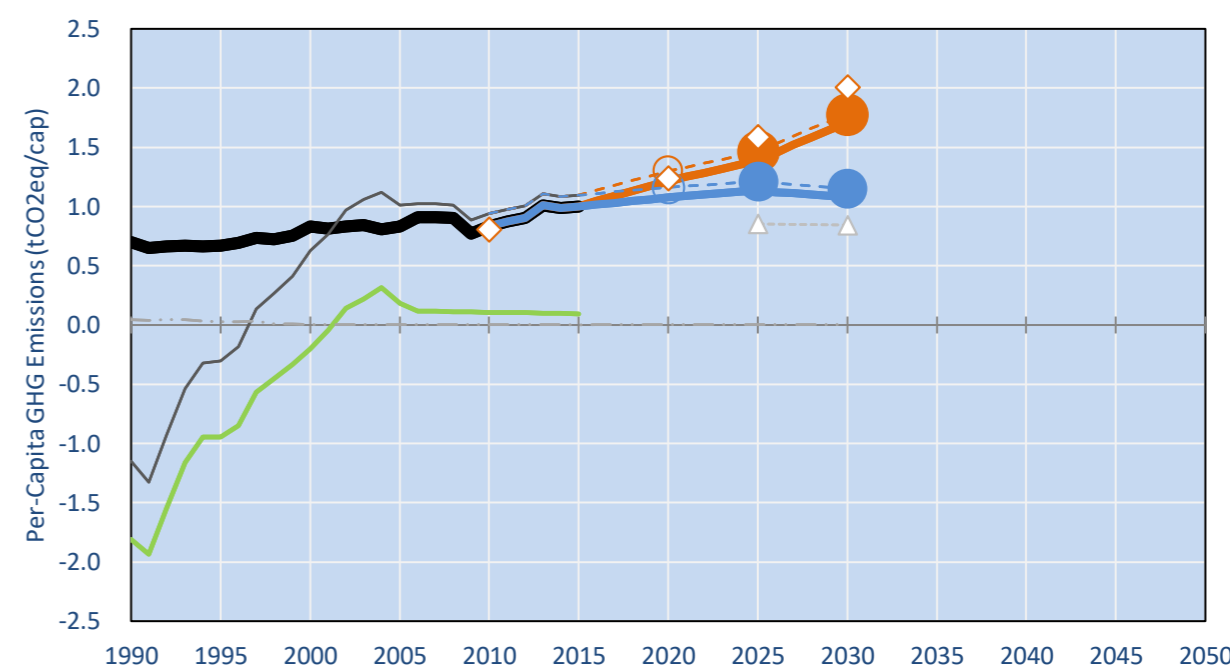
INDC Submitted: 23/09/2015

## GHG Emissions

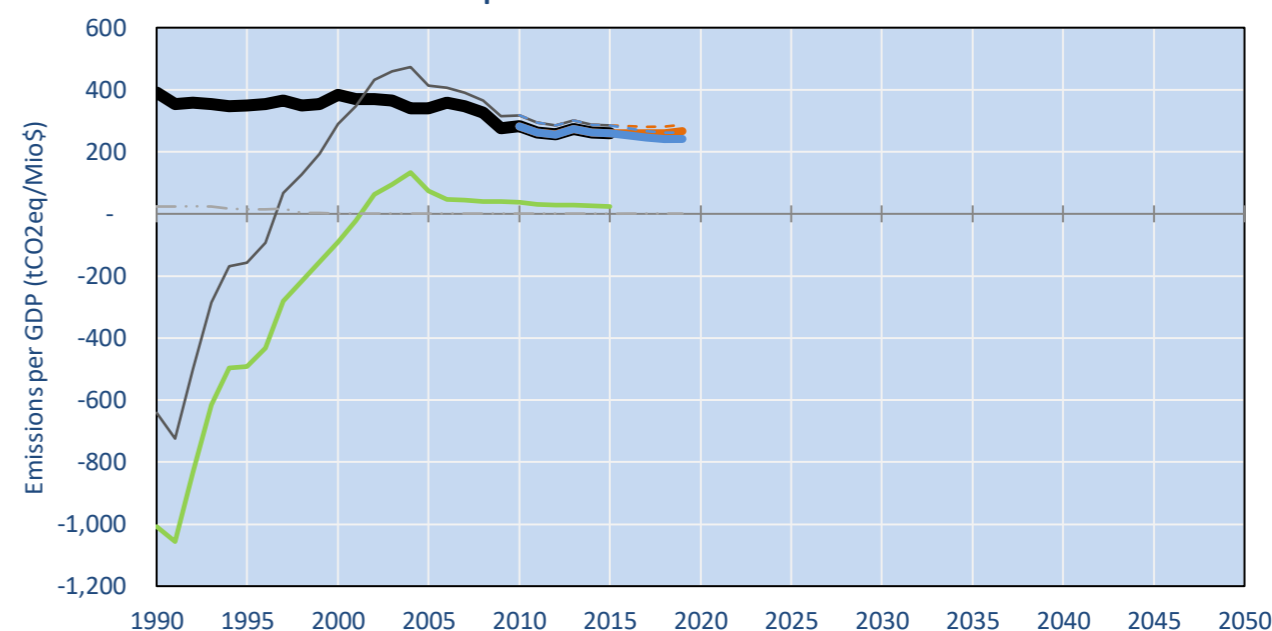


- Reference Total GHG excl. LULUCF
- Historical Covered Emissions, incl. LULUCF, if covered.
- LOW INDC Covered Emissions, incl. LULUCF if covered
- LOW INDC Covered + Non-Covered Emissions, excl. LULUCF
- HIGH INDC Covered Emissions, incl. LULUCF
- HIGH INDC Covered + Non-Covered Emissions, excl. LULUCF
- HIGH Cancun Pledges
- Reference LULUCF Emissions
- LOW INDC Levels
- LOW INDC Covered Emissions, excl. LULUCF
- HIGH INDC Levels
- HIGH INDC Covered Emissions, excl. LULUCF
- LOW Cancun Pledges
- Ghana INDC historical emissions and BAU in GWP SAR
- Regional/Gas-specific BAU
- Not-covered GHG excl. LULUCF (Region Projection)

## Per-Capita Emissions



## GHG Emissions per GDP



## 2015 Total GHG Emissions excl. LULUCF

By Gas:	By Sector:
CO2: 44.2%	Cat. 1 Energy: 51.7%
CH4: 34.7%	Cat. 2, 3, 6 & 7: 19.2%
N2O: 21.0%	Cat 4. Agriculture: 28.9%
F-gases: 0.1%	F-gases: 0.1%

## GHG Emissions

	1990	2000	2005	2010	2015	2020		2025		2030	
						low	high	low	high	low	high
Assumed LULUCF Accounting Credits (-)/Debits (+)											
NDC covered LULUCF Emissions	-	26	-	4	4	3	3	3	3	3	3
NDC covered Emissions excl. LULUCF	10	16	18	20	27	37	33	47	38	63	40
Total GHG excl. LULUCF	10	16	18	20	27	37	33	47	38	63	40
Total GHG incl. LULUCF	-	16	12	22	23	30	40	35	49	41	66

## Relative GHG Emissions

	1990	2000	2005	2010	2015	2020		2025		2030	
						low	high	low	high	low	high
Total excl. LULUCF											
Relative 1990	100%	152%	173%	198%	267%	361%	320%	454%	372%	613%	388%
Relative 2000	66%	100%	114%	130%	176%	237%	210%	298%	244%	403%	255%
Relative 2005	58%	88%	100%	114%	155%	209%	185%	263%	215%	355%	224%
Relative 2010	51%	77%	87%	100%	135%	182%	162%	230%	188%	310%	196%
Relative 2015	37%	57%	65%	74%	100%	135%	120%	170%	139%	229%	145%

## Per-Capita Emissions

	1990	2000	2005	2010	2015	2020		2025		2030	
						low	high	low	high	low	high
Total excl. LULUCF											
Population (Mio)	15	19	21	24	27	31	31	34	34	37	37
Per-Capita Emissions (tCO2eq/cap)	0.7	0.8	0.8	0.8	1.0	1.2	1.1	1.4	1.1	1.7	1.1
Relative 1990	100%	118%	118%	119%	143%	173%	153%	197%	162%	243%	154%
Relative 2000	85%	100%	100%	101%	121%	146%	129%	167%	137%	206%	130%
Relative 2005	85%	100%	100%	101%	121%	146%	130%	167%	137%	206%	130%
Relative 2010	84%	99%	99%	100%	120%	145%	129%	166%	136%	205%	129%
Relative 2015	70%	83%	83%	83%	100%	121%	107%	138%	113%	171%	108%

## Data Sources:

Cat1_CO2	PRIMAPHIST17	Cat5A1_CO2	UNFCCC CRF + Nat. Comms.
Cat2367_CO2	PRIMAPHIST17	Cat5A2_CO2	UNFCCC CRF + Nat. Comms.
Cat4_CO2	PRIMAPHIST17	Cat5LtoNonFL_CO2	UNFCCC CRF + Nat. Comms.
Cat5_CO2	PRIMAPHIST17	Cat5GMCMWMM_C	UNFCCC CRF
Cat1_CH4	PRIMAPHIST17	Cat5A1ForestFires	UNFCCC Cat5 + EDGAR(IPCC Database)
Cat2367_CH4	PRIMAPHIST17	Cat5A1HWP_CO2	UNFCCC CRF + Nat. Comms.
Cat4_CH4	PRIMAPHIST17	Cat5bisA_CO2	UNFCCC CRF + NATCOMM.
Cat5_CH4	PRIMAPHIST17	Cat5bisB_CO2	UNFCCC CRF + NATCOMM.
Cat1_N2O	PRIMAPHIST17	Cat5bisC_CO2	UNFCCC CRF + NATCOMM.
Cat2367_N2O	PRIMAPHIST17	Cat5bisD_CO2	UNFCCC CRF + NATCOMM.
Cat4_N2O	PRIMAPHIST17	Cat5bisE_CO2	UNFCCC CRF + NATCOMM.
Cat5_N2O	PRIMAPHIST17	PRO_WM_Cat5_G	UNFCCC Annex I Reports
Cat0_HFCs	PRIMAPHIST17	Metric	GWP AR4
Cat0_PFCs	PRIMAPHIST17		
Cat0_SF6	PRIMAPHIST17		
Population	UN 2015 Population Projections MEDIUM		
GDP	IMF WEO 2015, PPP adjusted GDP, constant 2009 prices...		
	IPCC WG3 Scenario IMAGE   AMPERE2-550-FullTech-HST		
	PRIMAPHIST16 description: www.pik-potsdam.de/primap-live/primap-hist/		
	Gratefully acknowledged in particular: PRIMAP, CAIT, CDIAC, EDGAR, IPCC, IEA, UNEP Gap Team, AMPERE Team and comments on earlier versions, in particular by Giacomo Grassi. Errors and misjudgements are our own. Malte Meinshausen & Ryan Alexander; The "Fiji COP23" Edition was enabled through support via the BMUB project UM14 41 4060		
	This Factsheet is available at www.climatecollege.unimelb.edu.au/indc-factsheets. Check out as well: www.climateactiontracker.org, www.mitigation-contributions.org, cait.wri.org, infographics.pbl.nl/indc, live.primap.org, www.unep.org/climatechange/pledgepipeline, and our twitter feed @ClimateCollege		

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## Various 'fair' contributions for a global 'least-cost' 2°C path (total incl. LULUCF):

2025 rel. 2010:		2030 rel. 2010:	
LEADER	#N/A	LEADER	#N/A
CDC	#N/A	CDC	#N/A
ECPC50	#N/A	ECPC50	#N/A
ECPC90	#N/A	ECPC90	#N/A
GDR	#N/A	GDR	#N/A
INDC HIGH	78%	INDC HIGH	85%
INDC LOW	115%	INDC LOW	186%

## More info on www.mitigation-contributions.org

### "Fair" contributions for a global 'least-cost' 2°C track:

LEADER	Leader
CDC	Common-but-diff. per-cap. convergence
ECPC50	Eq. cum. Per-capita since 1950
ECPC90	Eq. cum. Per-capita since 1990
GDR	Greenhouse Development Rights
#N/A	No available data