

Shown: 2025 & 2030: Min/max of unconditional and conditional targets

Paris Agreement ratified on: 01/11/2016

South Africa

Per-Capita Emissions in 2030 rel. 2015 (excl. LULUCF): **-15%**

NDC 2025

NDC 2030

2015 World Rank

2025 World Rank

2030 World Rank

Share of World Emissions excl. LULUCF (Rank):

1.2% #16

1.0% #20

0.9% #22

Per-Capita Emissions (tCO₂eq/cap)

10.3t #36

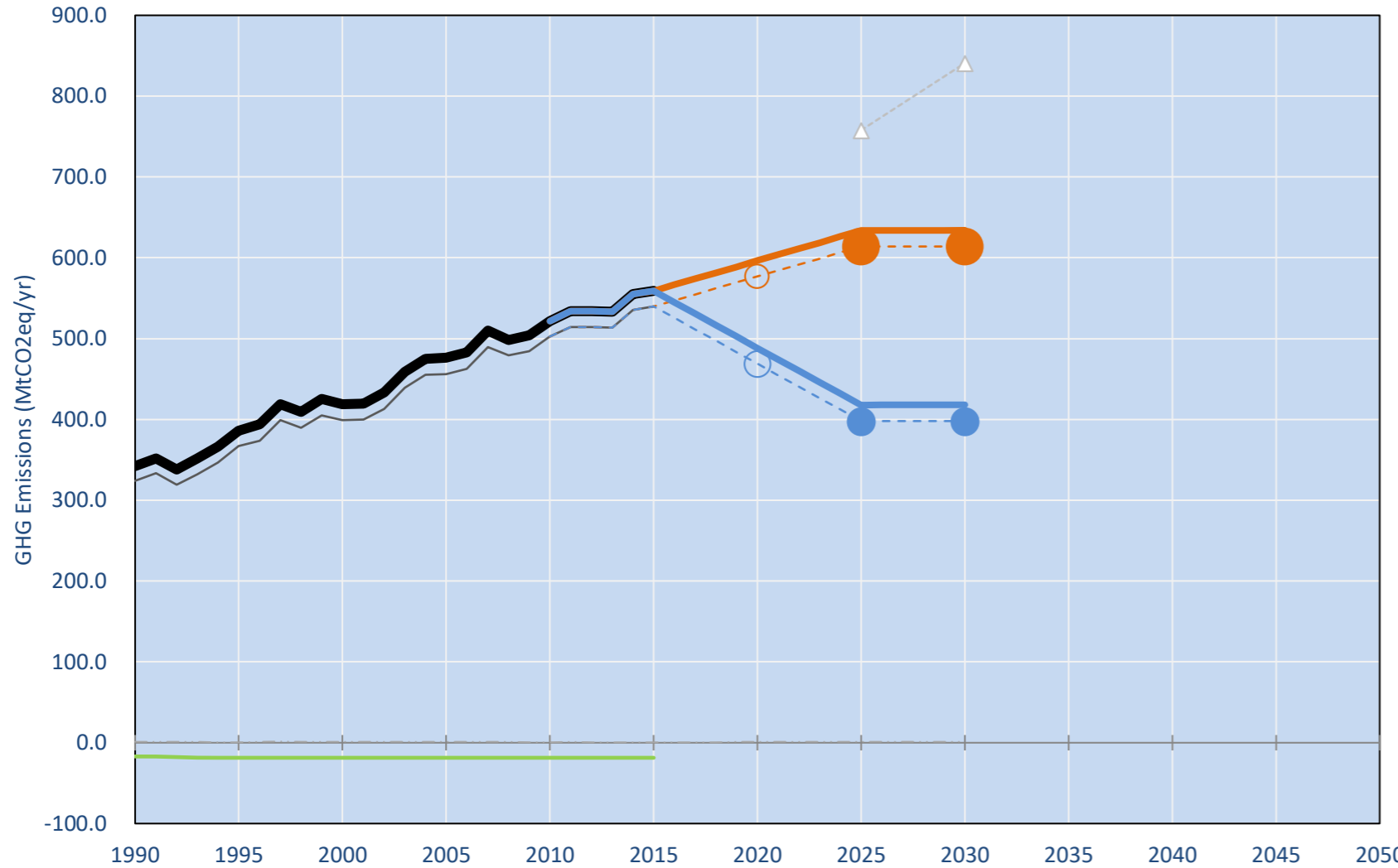
9t #41

8.8t #41

NDC: Peak, plateau and decline GHG emissions trajectory range, which will be between 398 and 614 Mt CO₂-eq in 2030. Peaking year will be between 2020 and 2025. (GWP AR4)

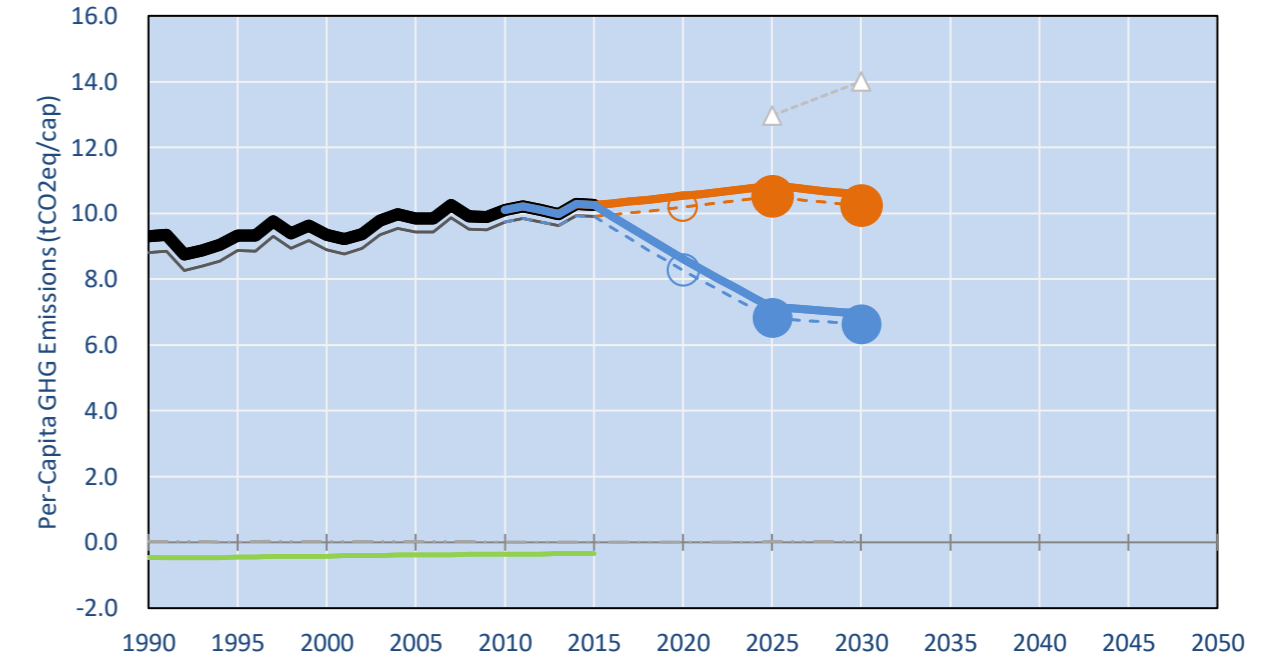
INDC Submitted: 25/09/2015

GHG Emissions

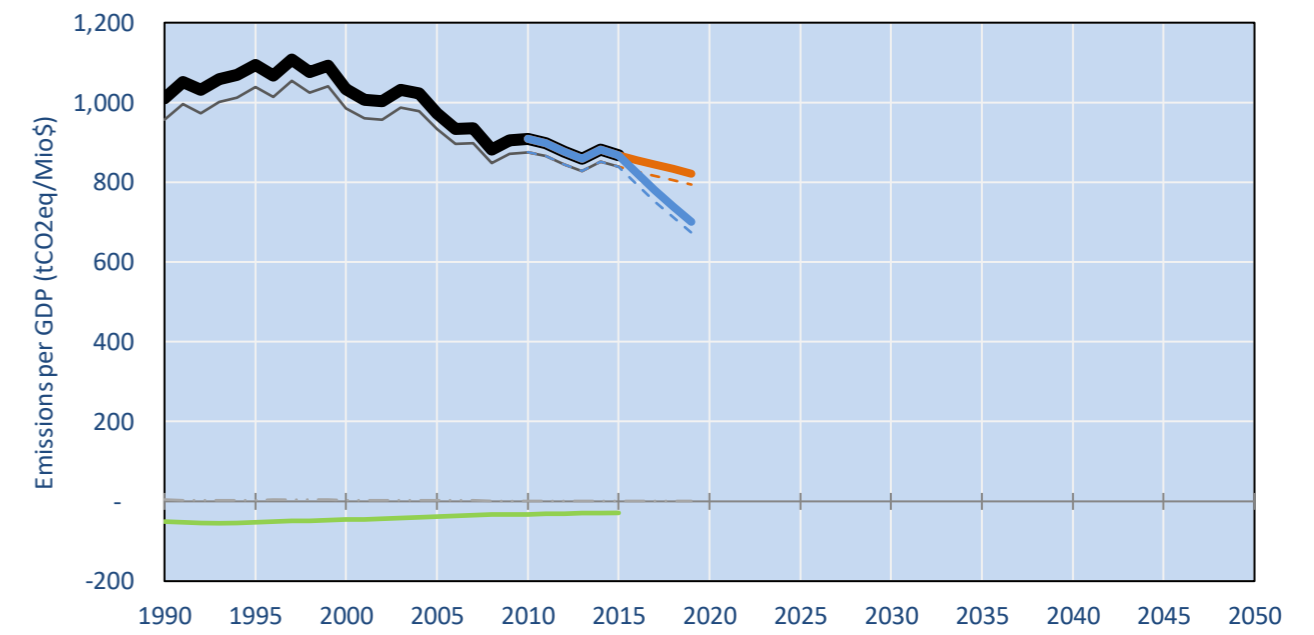


- Reference Total GHG excl. LULUCF
- Historical Covered Emissions, incl. LULUCF, if covered.
- LOW INDC Covered Emissions, incl. LULUCF if covered
- LOW INDC Covered + Non-Covered Emissions, excl. LULUCF
- HIGH INDC Covered Emissions, incl. LULUCF
- HIGH INDC Covered + Non-Covered Emissions, excl. LULUCF
- 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
- 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:

CO₂ 88.4%
CH₄ 7.7%
N₂O 3.7%
F-gases 0.1%

By Sector:

Cat. 1 Energy 78.4%
Cat. 2, 3, 6 & 7 15.6%
Cat 4. Agriculture 5.9%
F-gases 0.1%

GHG Emissions

	1990	2000	2005	2010	2015	2020		2025		2030	
(MtCO ₂ eq/yr in GWP AR4)						low	high	low	high	low	high
Assumed LULUCF Accounting Credits (-)/Debits (+)											
NDC covered LULUCF Emissions	17	19	19	19	19	19	19	19	19	19	19
NDC covered Emissions excl. LULUCF	341	418	475	521	558	596	488	633	417	633	417
Total GHG excl. LULUCF	342	419	476	522	559	596	488	634	418	634	418
Total GHG incl. LULUCF	325	401	458	503	540	578	470	615	399	615	399

Relative GHG Emissions

	1990	2000	2005	2010	2015	2020		2025		2030	
Total excl. LULUCF						low	high	low	high	low	high
Relative 1990	100%	123%	139%	152%	163%	174%	143%	185%	122%	185%	122%
Relative 2000	82%	100%	114%	124%	133%	142%	117%	151%	100%	151%	100%
Relative 2005	72%	88%	100%	110%	117%	125%	103%	133%	88%	133%	88%
Relative 2010	66%	80%	91%	100%	107%	114%	94%	121%	80%	122%	80%
Relative 2015	61%	75%	85%	93%	100%	107%	87%	113%	75%	113%	75%

Per-Capita Emissions

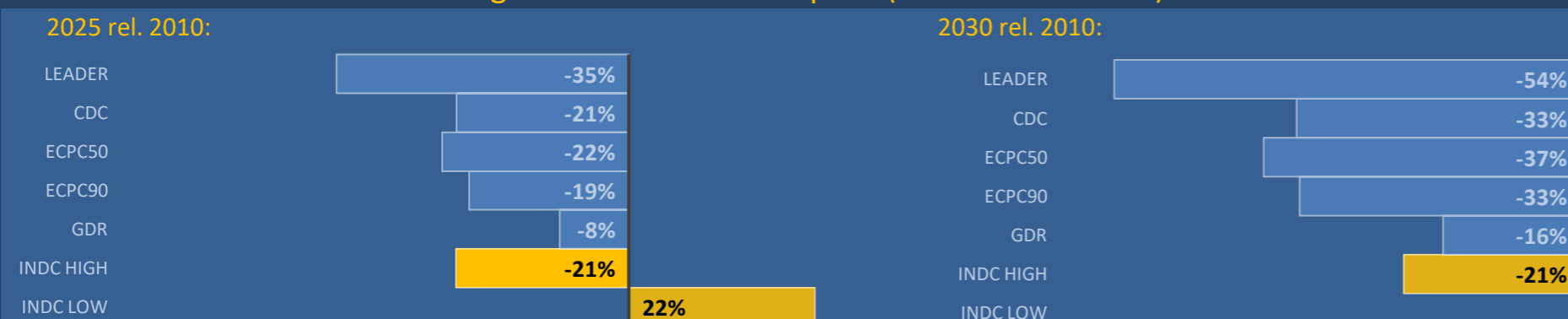
	1990	2000	2005	2010	2015	2020		2025		2030	
Total excl. LULUCF						low	high	low	high	low	high
Population (Mio)	37	45	48	52	54	57	57	58	58	60	60
Per-Capita Emissions (tCO ₂ eq/cap)	9.3	9.3	9.9	10.1	10.3	10.5	8.6	10.8	7.1	10.6	7.0
Relative 1990	100%	100%	106%	109%	110%	113%	93%	117%	77%	114%	75%
Relative 2000	100%	100%	106%	108%	110%	113%	92%	116%	77%	113%	75%
Relative 2005	94%	95%	100%	103%	104%	107%	87%	110%	73%	107%	71%
Relative 2010	92%	92%	97%	100%	102%	104%	85%	107%	71%	105%	69%
Relative 2015	91%	91%	96%	98%	100%	103%	84%	106%	70%	103%	68%

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		



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



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