



# Ethiopia

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



**+2%**

NDC 2025

NDC 2030

2015 World Rank

2025 World Rank

2030 World Rank

0% rel. BAU of 154.7 Mt

Share of World Emissions excl. LULUCF (Rank):

0.2% #53

0.2% #47

0.3% #46

-40% rel. BAU of 310 Mt

Per-Capita Emissions (tCO<sub>2</sub>eq/cap)

1t #186

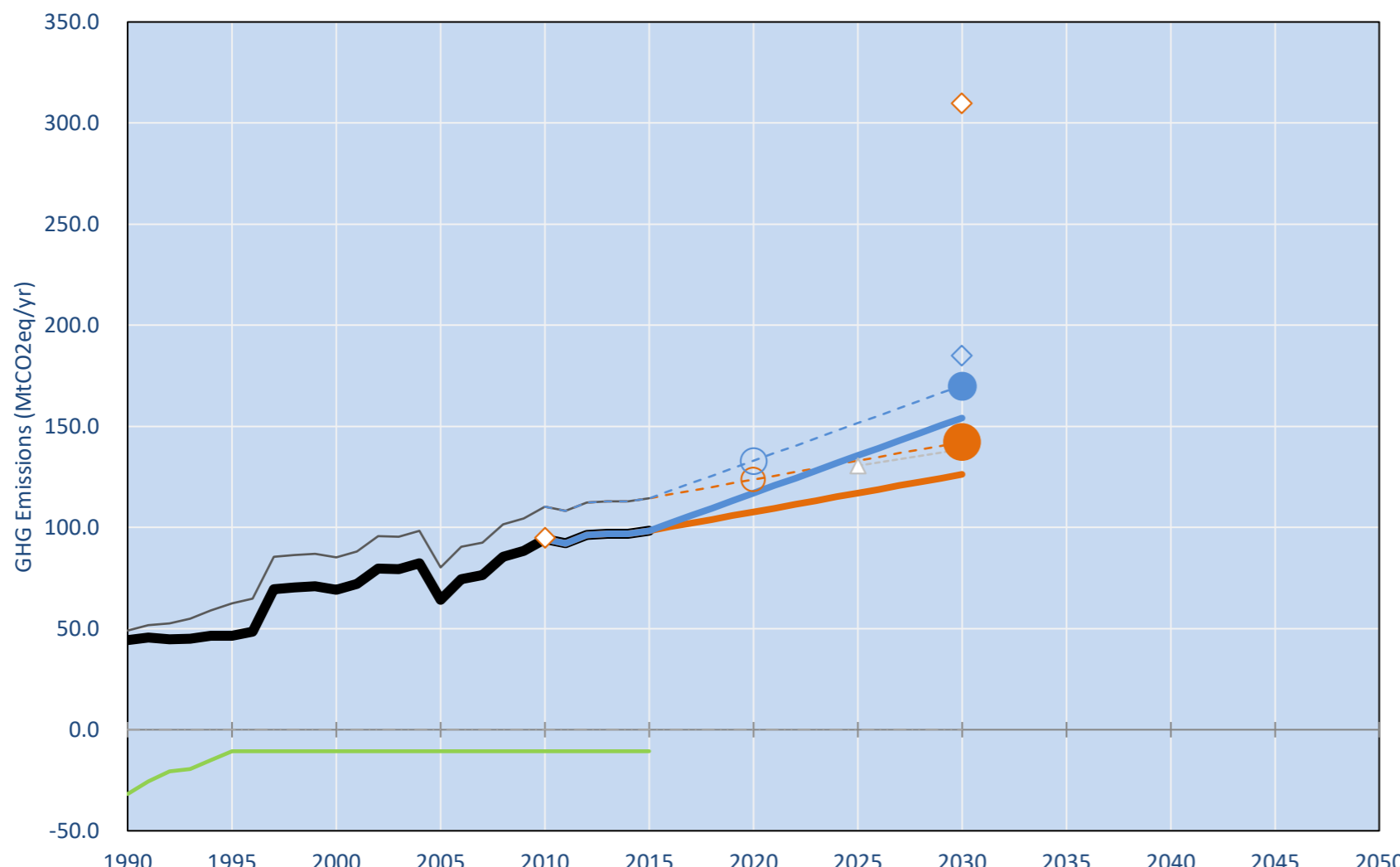
1t #183

1t #182

NDC: 64% reduction of GHG emissions from the BAU scenario in 2030, depending on support in finance, capacity building and technology transfer. (GWP AR4)

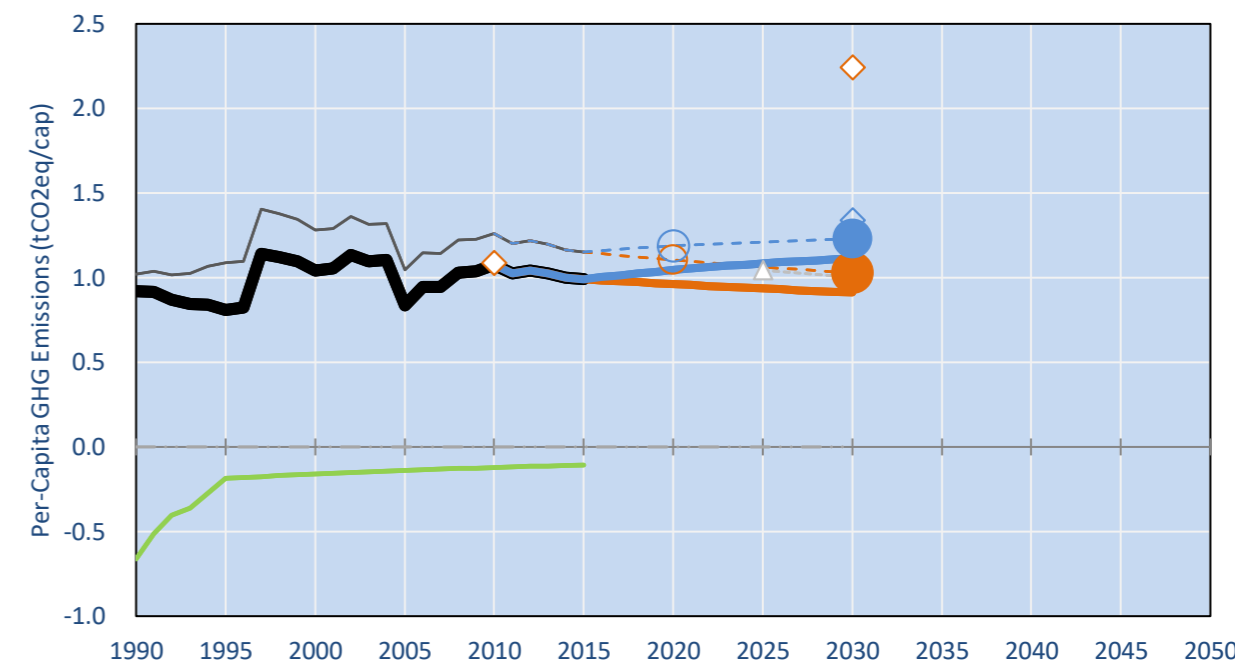
INDC Submitted: 10/06/2015

## GHG Emissions

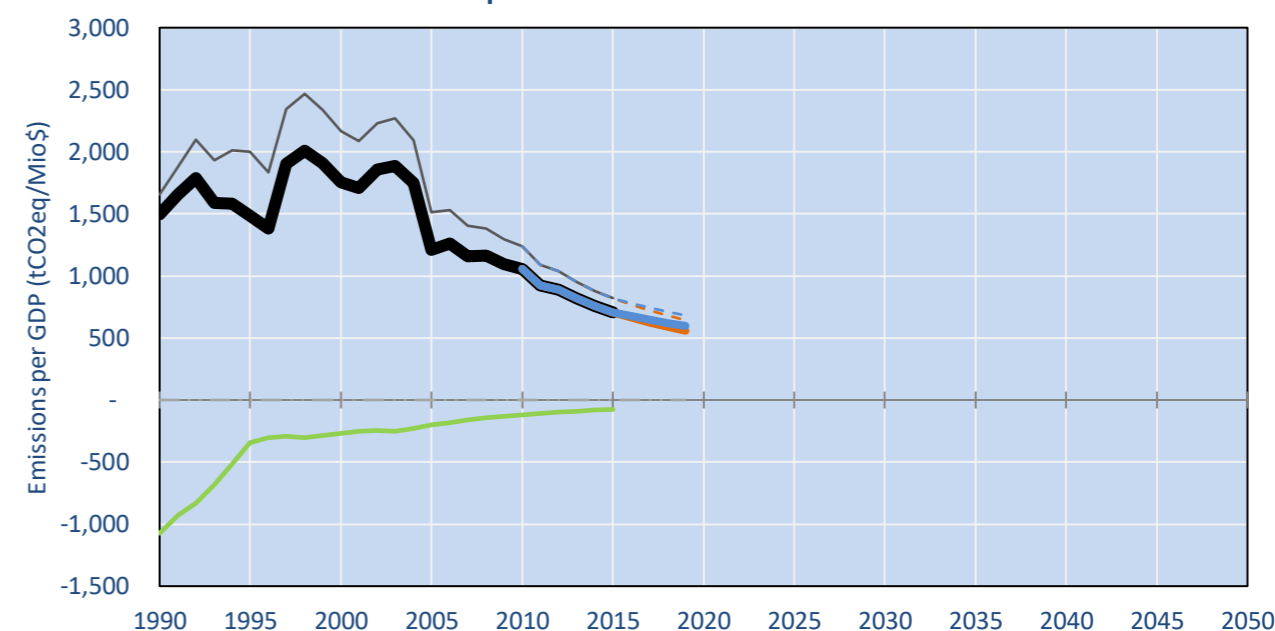


- Reference Total GHG excl. LULUCF
- Historical Covered Emissions, incl. LULUCF, if covered.
- LOW INDC Covered Emissions, incl. LULUCF if covered
- LOW INDC Covered + Non-Covered Emissions, excl. LULUCF
- HIGH INDC Covered Emissions, incl. LULUCF
- HIGH INDC Covered + Non-Covered Emissions, excl. LULUCF
- 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
- INDC Numbers Total incl. Agr. Excl. Forestry
- Regional/Gas-specific BAU
- Country Analysis Timeseries HIGH
- Not-covered GHG excl. LULUCF (Region Projection)

## Per-Capita Emissions

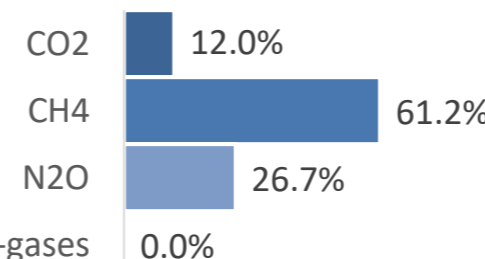


## GHG Emissions per GDP

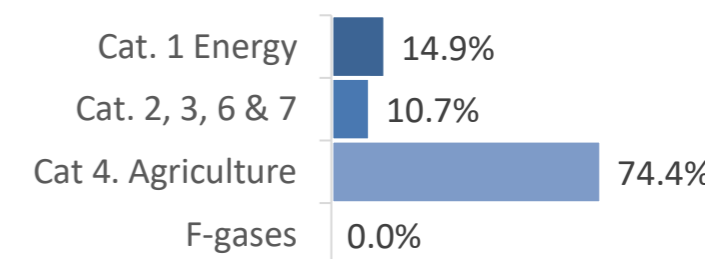


## 2015 Total GHG Emissions excl. LULUCF

By Gas:



By Sector:



## GHG Emissions

|  | 1990 | 2000 | 2005 | 2010 | 2015 | 2020 | 2025 | 2030 |      |
|--|------|------|------|------|------|------|------|------|------|
| (MtCO <sub>2</sub> eq/yr in GWP SAR)             |      |      |      |      |      | low  | high | low  | high |
| Assumed LULUCF Accounting Credits (-)/Debits (+) |      |      |      |      |      |      |      |      |      |
| NDC covered LULUCF Emissions                     | 5    | 16   | 16   | 16   | 16   | 16   | 16   | 16   | 16   |
| NDC covered Emissions excl. LULUCF               | 44   | 69   | 64   | 94   | 98   | 108  | 117  | 136  | 154  |
| Total GHG excl. LULUCF                           | 44   | 69   | 64   | 94   | 98   | 108  | 117  | 136  | 154  |
| Total GHG incl. LULUCF                           | 13   | 58   | 53   | 84   | 88   | 97   | 106  | 125  | 143  |

## Relative GHG Emissions

|                    | 1990 | 2000 | 2005 | 2010 | 2015 | 2020 | 2025 | 2030 |      |
|--------------------|------|------|------|------|------|------|------|------|------|
| Total excl. LULUCF |      |      |      |      |      | low  | high | low  | high |
| Relative 1990      | 100% | 156% | 145% | 213% | 222% | 243% | 264% | 264% | 306% |
| Relative 2000      | 64%  | 100% | 93%  | 136% | 142% | 156% | 169% | 169% | 183% |
| Relative 2005      | 69%  | 108% | 100% | 147% | 154% | 168% | 182% | 183% | 211% |
| Relative 2010      | 47%  | 73%  | 68%  | 100% | 104% | 114% | 124% | 144% | 134% |
| Relative 2015      | 45%  | 70%  | 65%  | 96%  | 100% | 109% | 119% | 119% | 138% |

## Per-Capita Emissions

|  | 1990 | 2000 | 2005 | 2010 | 2015 | 2020 | 2025 | 2030 |      |
|--|------|------|------|------|------|------|------|------|------|
| Total excl. LULUCF                             |      |      |      |      |      | low  | high | low  | high |
| Population (Mio)                               | 48   | 66   | 77   | 88   | 99   | 112  | 112  | 125  | 138  |
| Per-Capita Emissions (tCO <sub>2</sub> eq/cap) | 0.9  | 1.0  | 0.8  | 1.1  | 1.0  | 1.0  | 1.0  | 0.9  | 1.1  |
| Relative 1990                                  | 100% | 113% | 91%  | 117% | 107% | 104% | 113% | 101% | 118% |
| Relative 2000                                  | 89%  | 100% | 80%  | 104% | 95%  | 92%  | 100% | 90%  | 104% |
| Relative 2005                                  | 110% | 124% | 100% | 129% | 118% | 115% | 125% | 112% | 130% |
| Relative 2010                                  | 86%  | 97%  | 78%  | 100% | 92%  | 89%  | 97%  | 87%  | 101% |
| Relative 2015                                  | 93%  | 105% | 85%  | 109% | 100% | 97%  | 106% | 94%  | 109% |

## Data Sources:

- Cat1\_CO2 PRIMAPHIST17
- Cat2367\_CO2 PRIMAPHIST17
- Cat4\_CO2 PRIMAPHIST17
- Cat5\_CO2 PRIMAPHIST17
- Cat1\_CH4 PRIMAPHIST17
- Cat2367\_CH4 PRIMAPHIST17
- Cat4\_CH4 PRIMAPHIST17
- Cat5\_CH4 PRIMAPHIST17
- Cat1\_N2O PRIMAPHIST17
- Cat2367\_N2O PRIMAPHIST17
- Cat4\_N2O PRIMAPHIST17
- Cat5\_N2O PRIMAPHIST17
- Cat0\_HFCs PRIMAPHIST17
- 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
- Cat5A1\_CO2 UNFCCC CRF + Nat. Comms.
- Cat5A2\_CO2 UNFCCC CRF + Nat. Comms.
- Cat5LtoNonFL\_CO2 UNFCCC CRF + Nat. Comms.
- Cat5GMCMWMM\_C UNFCCC CRF
- Cat5A1ForestFires UNFCCC Cat5 + EDGAR(IPCC Database)
- Cat5A1HWP\_CO2 UNFCCC CRF + Nat. Comms.
- Cat5bisA\_CO2 UNFCCC CRF + NATCOMM.
- Cat5bisB\_CO2 UNFCCC CRF + NATCOMM.
- Cat5bisC\_CO2 UNFCCC CRF + NATCOMM.
- Cat5bisD\_CO2 UNFCCC CRF + NATCOMM.
- Cat5bisE\_CO2 UNFCCC CRF + NATCOMM.
- PRO\_WM\_Cat5\_G UNFCCC Annex I Reports
- Metric GWP SAR

climatecollege.unimelb.edu.au



Meinshausen, Alexander et al., www.climatecollege.unimelb.edu.au/indc-factsheets, The University of Melbourne

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

|           | 2025 rel. 2010: | 2030 rel. 2010: |
|-----------|-----------------|-----------------|
| LEADER    | #N/A            | LEADER          |
| CDC       | #N/A            | CDC             |
| ECPC50    | #N/A            | ECPC50          |
| ECPC90    | #N/A            | ECPC90          |
| GDR       | #N/A            | GDR             |
| INDC HIGH | 49%             | INDC HIGH       |
| INDC LOW  | 27%             | INDC LOW        |

## 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