**World GHG Emissions Flow Chart 2010**

Total emission worldwide (2010)

48 629 MtCO2 EQ

Source*

Coal 25%

Natural Gas 19%

Oil 21%

Waste 0.4%

Direct emissions 34.6%

Sector

Industry 29%

Residential Buildings 11%

Commercial/Public Buildings & Services 7%

Transport 15%

Agriculture 7%

Energy Supply 13%

Land Use Change 15%

Greenhouse gas

CO2 76%

CH4 15%

N2O 7%

HFCs & PFCs 2%

* Greenhouse gases can arise from two sources

Fossil fuel related emissions

Burning fossil fuels (coal, natural gas and oil) in industry, residential sector, commercial & public sector, transport and energy supply.

Direct emissions (examples)

Sector: Agricultural Cows and other livestock emit tons of methane (CH4) by passing gas each day.

Sector: Land Use Change Cutting down trees for logging or agriculture releases CO2 stored in the biomass.

Sector: Waste Organic matter in landfills emits tons of methane each year.

The global estimate of 48 629 MtCO2 equivalent results from adding up all calculated data on sector level. All percentages relate to the total emission worldwide. The data for Land Use Change are subject to significant uncertainties. This chart is inspired by a previous chart of WRI, 2005

The following sources were used:

IEA, 2012, CO2 emissions database


IEA, 2012, Energy Balances