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

* Greenhouse gases can arise from two sources

**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.

**Fossil fuel related emissions**
- Burning fossil fuels (coal, natural gas and oil) in industry, residential sector, commercial & public sector, transport and energy supply.