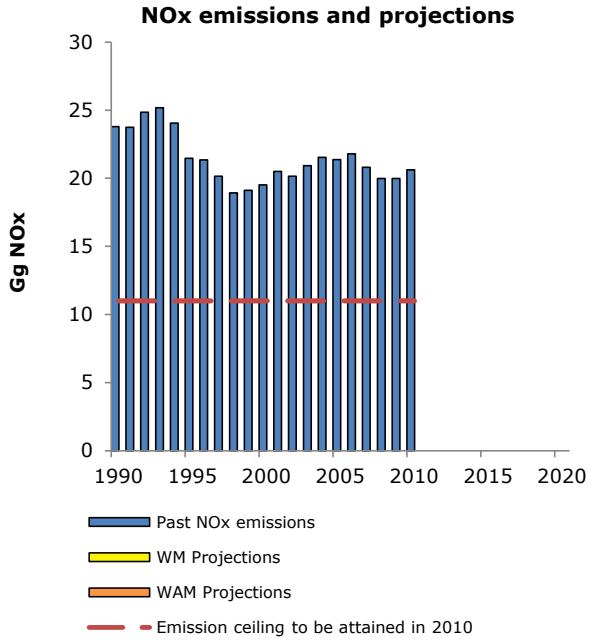
## NOx emission trends and projections in Luxembourg

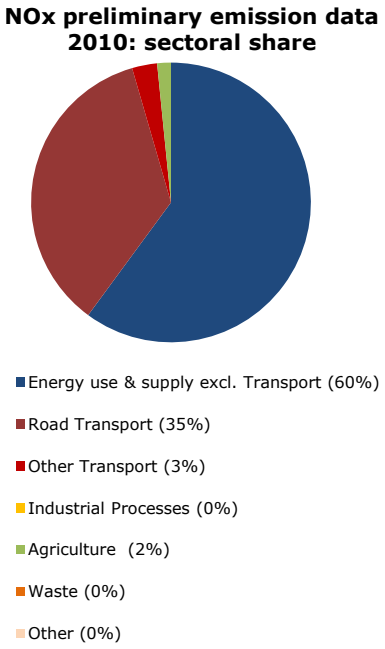
**NOx emission profile**

| Key data | Value | Unit | Rank in EU-27* |
|---|---|---|---|
| Total NOx emissions 1990 | 23.8 | (Gg) | 14 (14) |
| Total NOx preliminary emission data 2010 | 20.6 | (Gg) | 25 (27) |
| NOx preliminary emission data in 2010 per capita | 41.1 | (kg/cap.) | 1 (27) |
| NOx preliminary emission data per GDP in 2010 | 0.6 | (g/PPP) | 22 (27) |
| Share of NOx in EU-27 in 2010 | 0.2 | % | |

**Progress towards ceiling**

| Current and projected progress towards ceiling | Value | Unit | |
|---|---|---|---|
| 2010 Emission ceiling | 11 | (Gg) | |
| 2015 WM projections | NE | (Gg) | |
| 2020 WM projections | NE | (Gg) | |
| | **Absolute** | **Unit** | **Relative (%)** |
| Distance of preliminary 2010 emission data to NOx emission ceiling in 2010 | 9.6 | (Gg) | 87.5 |




**NOx trends**

| Trend of total NOx emissions | Absolute | Unit | Relative (%) |
|---|---|---|---|
| Trend of total NOx emissions, 2009-2010 | 0.6 | (Gg) | 3.2 |
| Trend of total NOx emissions, 1990-2010 | - 3.2 | (Gg) | -13.3 |
| Trend of NOx emissions per capita, 2000-2010 | -3.9 | (kg/cap.) | -8.7 |
| Trend of NOx emissions per GDP, 2000-2010 | -0.3 | (g/PPP) | -35.9 |

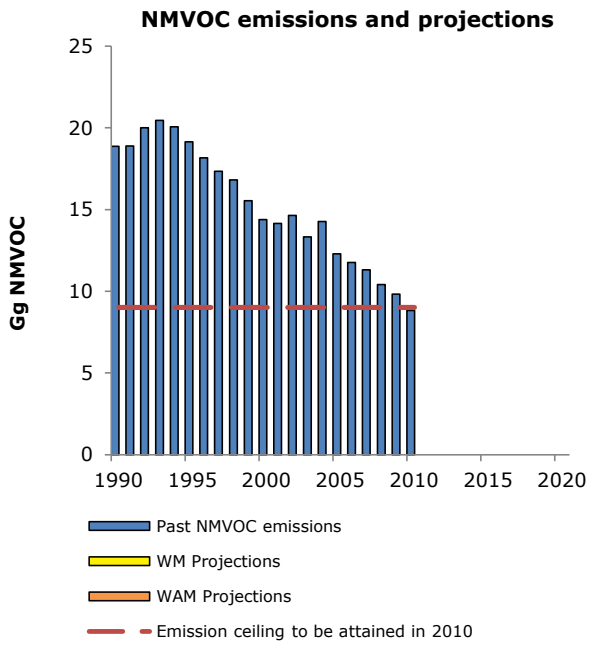
** 1 = highest value; the number in brackets shows the number of Member States that reported data.*

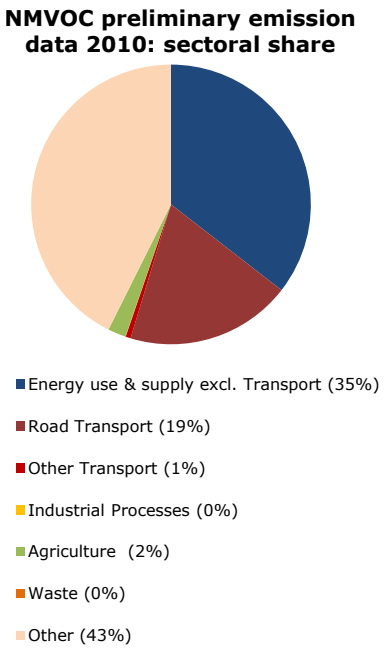
*GDP data from Eurostat http://epp.eurostat.ec.europa.eu/portal/page/portal/eurostat/home accessed: 30.05.2012*
*Population data from Eurostat http://epp.eurostat.ec.europa.eu/portal/page/portal/eurostat/home accessed: 30.05.2012*

## NMVOC emission trends and projections in Luxembourg

| NMVOC emission profile | Key data | Value | Unit | Rank in EU-27* |
|---|---|---|---|---|
| | Total NMVOC emissions 1990 | 18.9 | (Gg) | 14 (14) |
| | Total NMVOC preliminary emission data 2010 | 8.8 | (Gg) | 26 (27) |
| | NMVOC preliminary emission data in 2010 per capita | 17.6 | (kg/cap.) | 8 (27) |
| | NMVOC preliminary emission data per GDP in 2010 | 0.3 | (g/PPP) | 27 (27) |
| | Share of NMVOC in EU-27 in 2010 | 0.1 | % | |

| Progress towards ceiling | Current and projected progress towards ceiling | Value | Unit | |
|---|---|---|---|---|
| | 2010 Emission ceiling | 9 | (Gg) | |
| | 2015 WM projections | NE | (Gg) | |
| | 2020 WM projections | NE | (Gg) | |
| | | **Absolute** | **Unit** | **Relative (%)** |
| | Distance of preliminary 2010 emission data to NMVOC emission ceiling in 2010 | - 0.2 | (Gg) | - 2.0 |




| NMVOC trends | Trend of total NMVOC emissions | Absolute | Unit | Relative (%) |
|---|---|---|---|---|
| | Trend of total NMVOC emissions, 2009-2010 | - 1.0 | (Gg) | -10.2 |
| | Trend of total NMVOC emissions, 1990-2010 | - 10.0 | (Gg) | -53.2 |
| | Trend of NMVOC emissions per capita, 2000-2010 | -15.6 | (kg/cap.) | -47.0 |
| | Trend of NMVOC emissions per GDP, 2000-2010 | -0.4 | (g/PPP) | -62.8 |

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*GDP data from Eurostat http://epp.eurostat.ec.europa.eu/portal/page/portal/eurostat/home accessed: 30.05.2012*
*Population data from Eurostat http://epp.eurostat.ec.europa.eu/portal/page/portal/eurostat/home accessed: 30.05.2012*

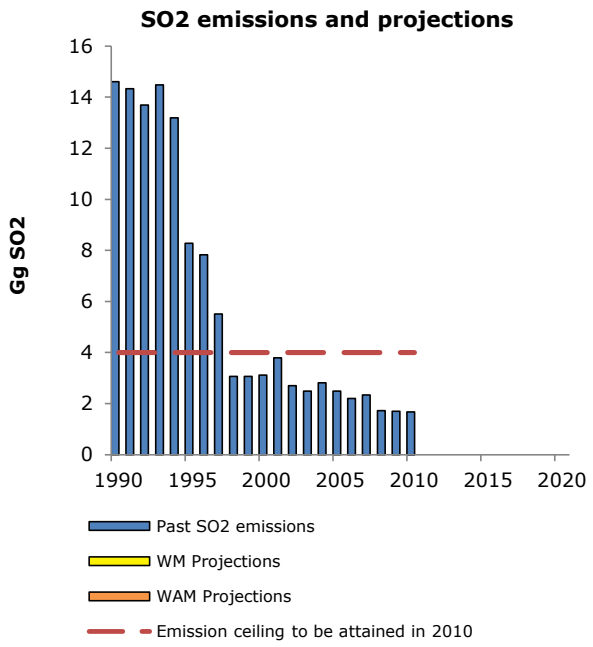
## SO2 emission trends and projections in Luxembourg

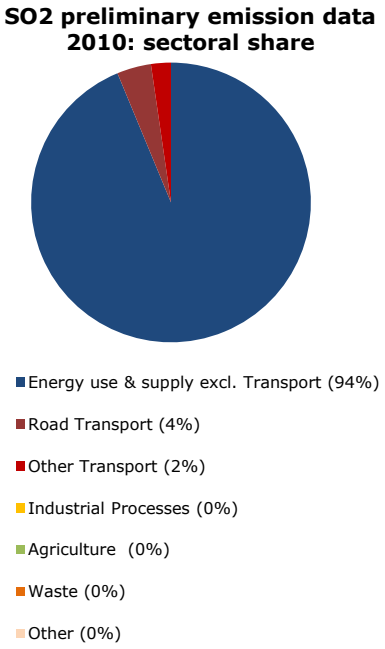
**SO2 emission profile**

| Key data | Value | Unit | Rank in EU-27* |
|---|---|---|---|
| Total SO2 emissions 1990 | 14.6 | (Gg) | 14 (14) |
| Total SO2 preliminary emission data 2010 | 1.7 | (Gg) | 27 (27) |
| SO2 preliminary emission data in 2010 per capita | 3.3 | (kg/cap.) | 22 (27) |
| SO2 preliminary emission data per GDP in 2010 | 0.0 | (g/PPP) | 27 (27) |
| Share of SO2 in EU-27 in 2010 | 0.0 | % | |

**Progress towards ceiling**

| Current and projected progress towards ceiling | Value | Unit | |
|---|---|---|---|
| 2010 Emission ceiling | 4 | (Gg) | |
| 2015 WM projections | NE | (Gg) | |
| 2020 WM projections | NE | (Gg) | |
| | **Absolute** | **Unit** | **Relative (%)** |
| Distance of preliminary 2010 emission data to SO2 emission ceiling in 2010 | - 2.3 | (Gg) | - 58.1 |




**SO2 trends**

| Trend of total SO2 emissions | Absolute | Unit | Relative (%) |
|---|---|---|---|
| Trend of total SO2 emissions, 2009-2010 | 0.0 | (Gg) | -1.8 |
| Trend of total SO2 emissions, 1990-2010 | - 12.9 | (Gg) | -88.5 |
| Trend of SO2 emissions per capita, 2000-2010 | -3.8 | (kg/cap.) | -53.5 |
| Trend of SO2 emissions per GDP, 2000-2010 | -0.1 | (g/PPP) | -67.4 |

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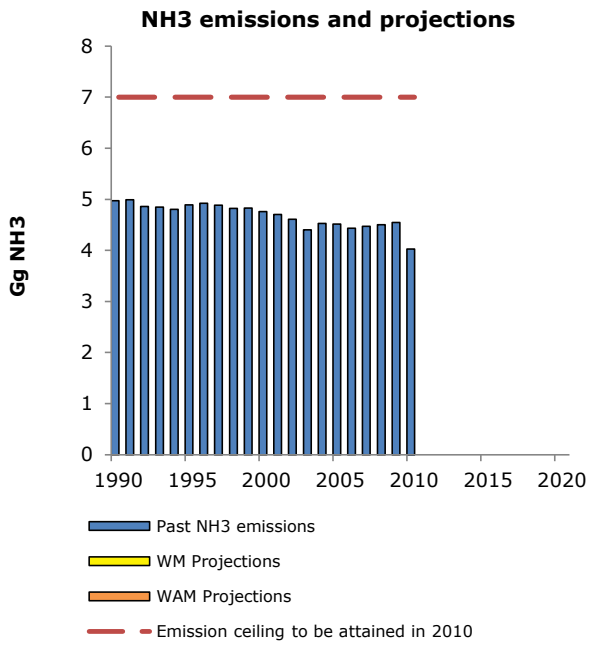
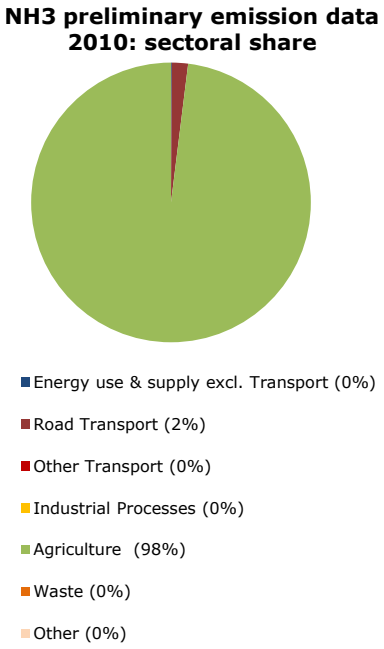
*GDP data from Eurostat http://epp.eurostat.ec.europa.eu/portal/page/portal/eurostat/home accessed: 30.05.2012*
*Population data from Eurostat http://epp.eurostat.ec.europa.eu/portal/page/portal/eurostat/home accessed: 30.05.2012*

## NH3 emission trends and projections in Luxembourg

| NH3 emission profile | Key data | Value | Unit | Rank in EU-27* |
|---|---|---|---|---|
| | Total NH3 emissions 1990 | 5.0 | (Gg) | 14 (14) |
| | Total NH3 preliminary emission data 2010 | 4.0 | (Gg) | 26 (27) |
| | NH3 preliminary emission data in 2010 per capita | 8.0 | (kg/cap.) | 6 (27) |
| | NH3 preliminary emission data per GDP in 2010 | 0.1 | (g/PPP) | 27 (27) |
| | Share of NH3 in EU-27 in 2010 | 0.1 | % | |

| Progress towards ceiling | Current and projected progress towards ceiling | Value | Unit | |
|---|---|---|---|---|
| | 2010 Emission ceiling | 7 | (Gg) | |
| | 2015 WM projections | NE | (Gg) | |
| | 2020 WM projections | NE | (Gg) | |
| | | **Absolute** | **Unit** | **Relative (%)** |
| | Distance of preliminary 2010 emission data to NH3 emission ceiling in 2010 | - 3.0 | (Gg) | - 42.4 |




| NH3 trends | Trend of total NH3 emissions | Absolute | Unit | Relative (%) |
|---|---|---|---|---|
| | Trend of total NH3 emissions, 2009-2010 | - 0.5 | (Gg) | -11.4 |
| | Trend of total NH3 emissions, 1990-2010 | - 0.9 | (Gg) | -19.0 |
| | Trend of NH3 emissions per capita, 2000-2010 | -3.0 | (kg/cap.) | -26.9 |
| | Trend of NH3 emissions per GDP, 2000-2010 | -0.1 | (g/PPP) | -48.7 |

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*GDP data from Eurostat http://epp.eurostat.ec.europa.eu/portal/page/portal/eurostat/home accessed: 30.05.2012*
*Population data from Eurostat http://epp.eurostat.ec.europa.eu/portal/page/portal/eurostat/home accessed: 30.05.2012*