Environmental and health effects of air pollution from transport

Dr. Richard Ballaman
Head of Air Quality Management Section at the Federal Office for the Environment
Chair of the Working Group on Strategies and Review
UNECE Convention on Long-range Transboundary Air Pollution

Emissions abatement under the Convention LRTAP and its 1999 Gothenburg Protocol

• Multi-pollutants / multi effects approach
• With Emission Limit Values for exhaust of on-road vehicles and off-road vehicles.
• National emission ceilings to be achieved in 2010.
• 26 Parties to the 1999 Gothenburg Protocol: 20 EU MS and EU, USA, NOR, CH, HR and MAC.

• New emissions reductions targets for 2020 adopted in 2012
• Including PM and BC to provide benefits for human health and the environment and to help mitigation of near-term climate change.
Loss in life expectancy attributable to anthropogenic PM2.5 [months] (IIASA)

In 2020, air pollution would still shorten statistical life expectancy by 4.7 months (in 2000: 8.3 months).