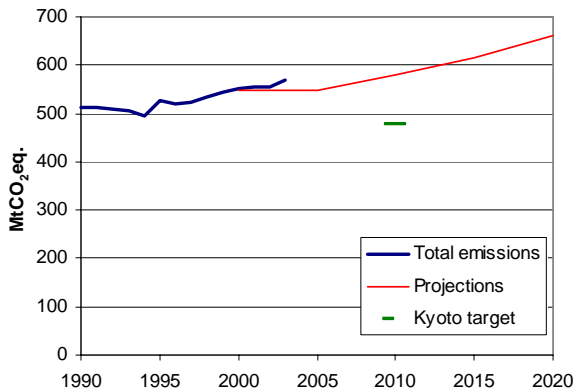
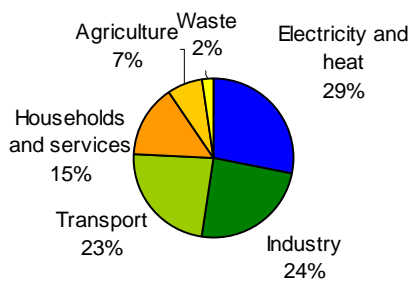


Greenhouse Gas Emissions¹

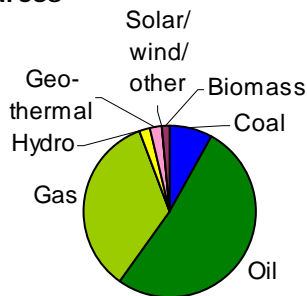
Emission trends²



Emissions by sector³



Energy sources⁴



Past emission trend from 1990 to 2003	+11.5%	
Current distance to the Kyoto target ⁵	18%	
Emissions per capita ⁶	10 tCO ₂ eq/cap	
Emission per GDP ⁷	370 tCO ₂ eq/M\$	
Increase of the share of renewable energy sources ⁸	1.3 %-points	
CO ₂ per kWh electricity ⁹	509 g/kWh	
Energy efficiency in industry ¹⁰	Medium	
Emissions in transport per capita	2.2 tCO ₂ eq/cap	
Emissions in households and services per capita ¹¹	1.4 tCO ₂ eq/cap	

Summary

- Increasing emissions
- Far from reaching the Kyoto target
- Medium/low emission rates compared to industrialised countries
- Strong dependence on oil, fast increasing share of natural gas
- No use of nuclear power since 1987

Climate policies

General

- Ratified UNFCCC on 15.04.1994
- Ratified the Kyoto Protocol on 31.05.2002
- Mixed public/private "Italian Carbon Fund" set up to provide certificates from CDM/JI projects

Climate policies in place

- Participant in the EU Emission Trading Scheme
- Voluntary agreements with industry sectors to increase energy efficiency in production
- Promotion of energy efficiency through innovative tradable energy efficiency certificates (white certificates)
- Promotion of electricity from renewable sources through renewable certificates
- Additional policies needed to meet Kyoto target



Summary evaluation

- Emission rates are average for industrialized countries with relatively high but decreasing share of oil
- Emissions considerably above Kyoto target and projected to further increase substantially
- Only a few national measures in place that have reduced emissions

