

“Capacity Building and Strengthening Institutional Arrangement”

Analysis and sampling of air and air pollution

Studies about obsolete vehicles impacts (>20 years)

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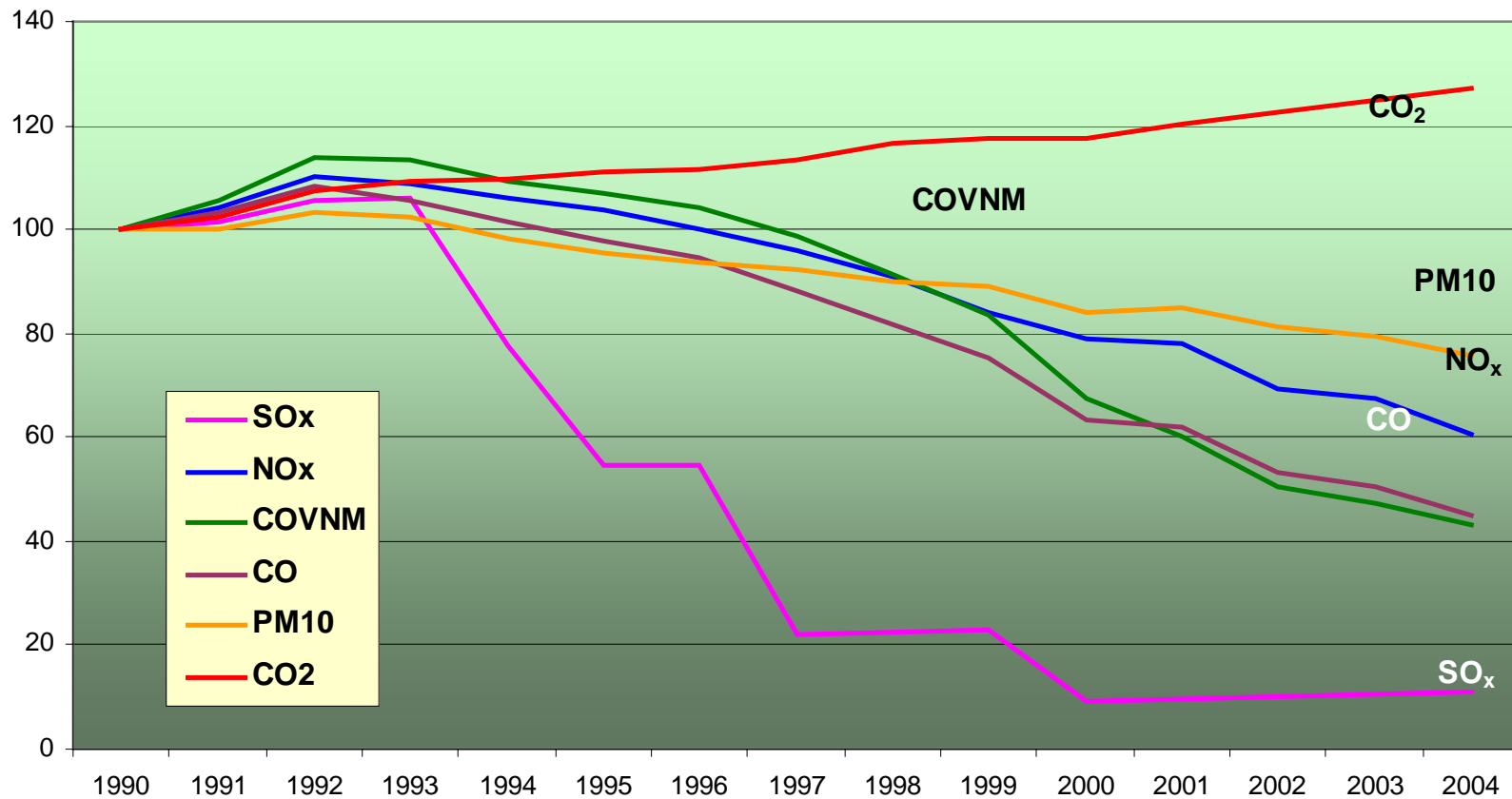
AIR POLLUTION AND ENVIRONMENTAL IMPACTS

Driving forces and impact of road transport emissions

- Average age of vehicle fleet
- Vehicles technology (conventional vs EURO Directives)
- Passengers and freights traffic
- Distribution of vehicles per fuel
- Distribution of mileages per fuel and vehicles
- Environmental impact of certain pollutants in urban areas (NMVOC, CO, Nox, PM10) and relative sources of emissions

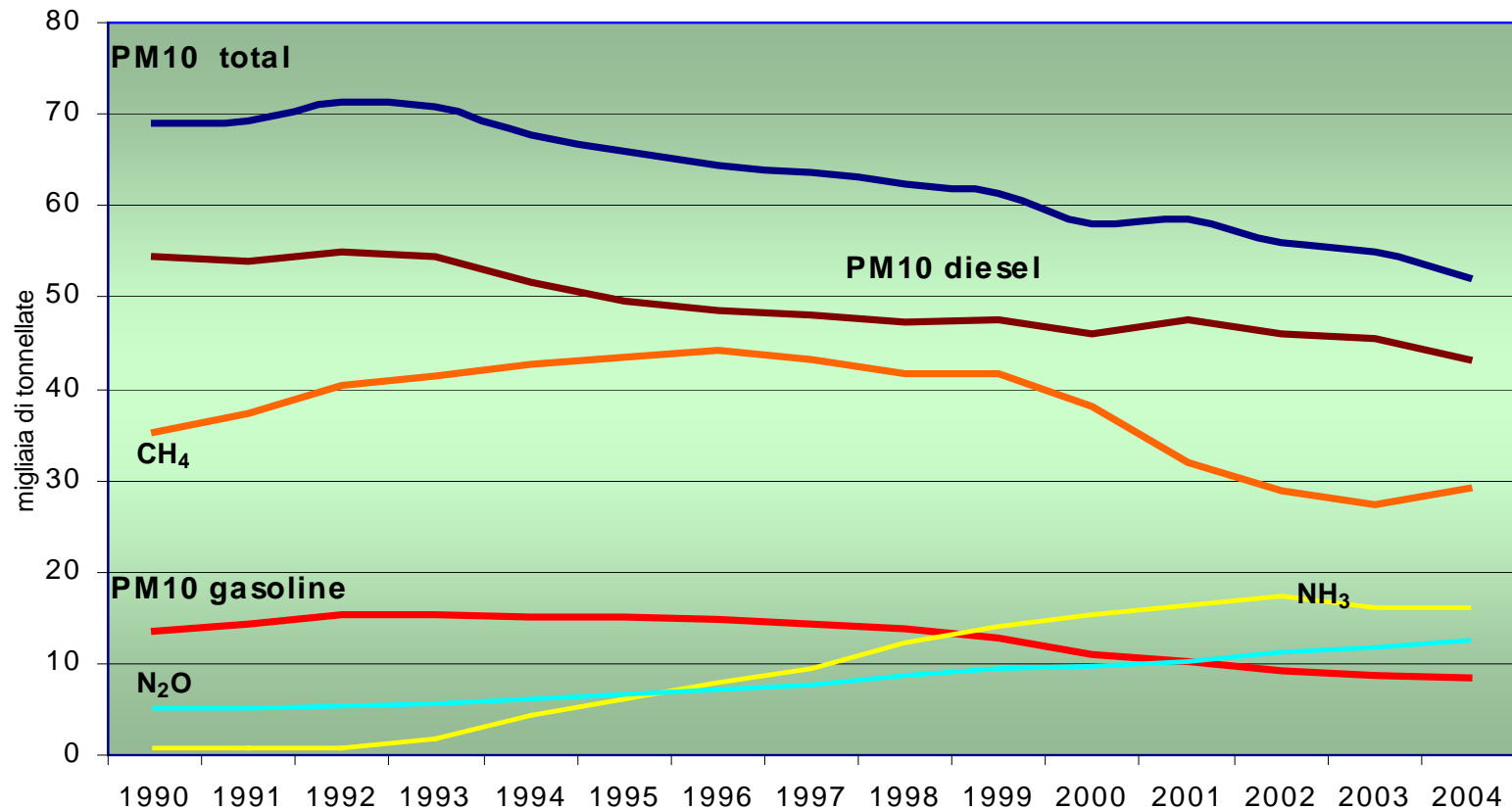
AIR POLLUTION AND ENVIRONMENTAL IMPACTS

Road transport emission time series in Italy (percentage with respect to the base year 1990)



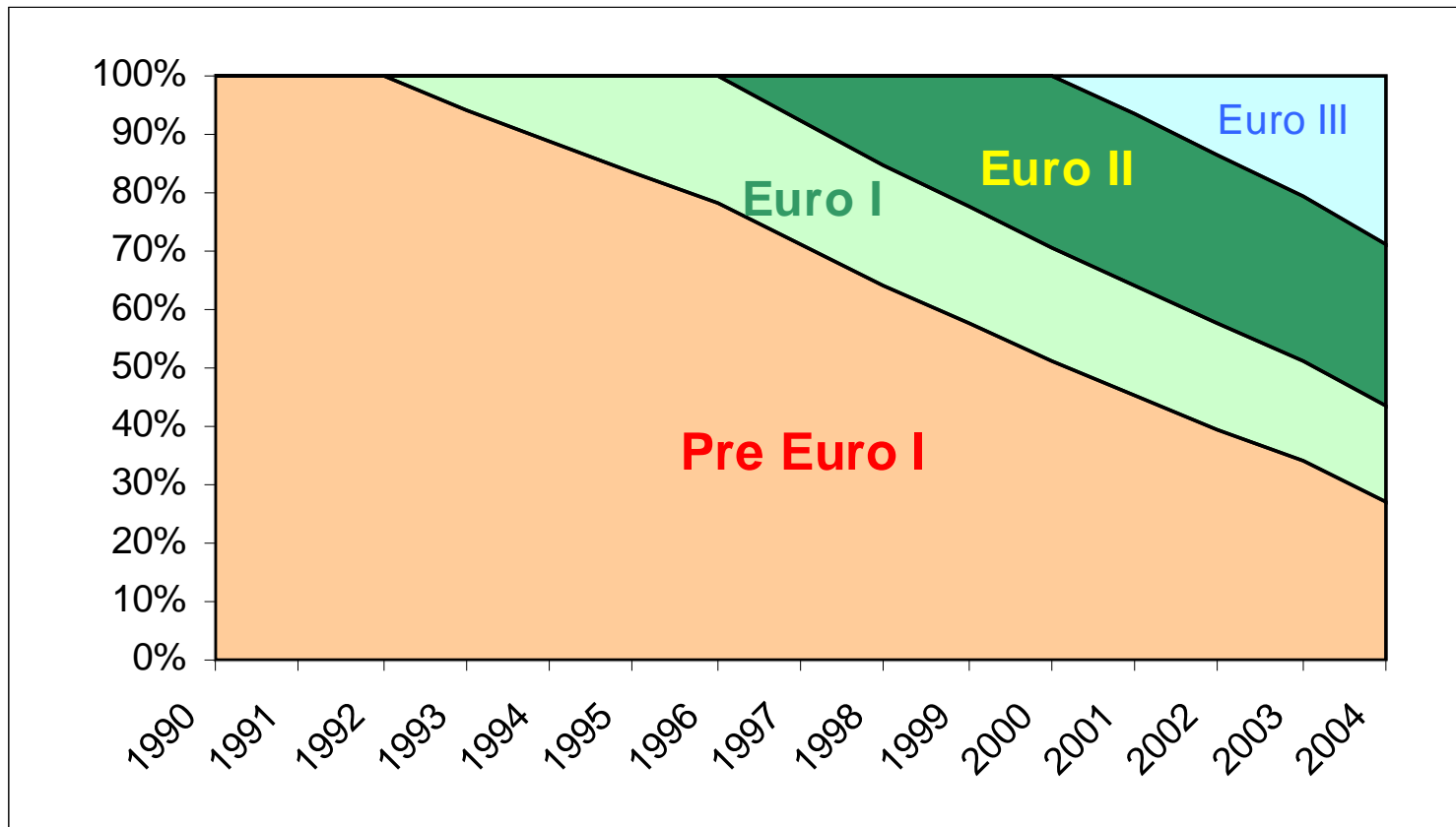
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Road transport emission time series in Italy (in kt)



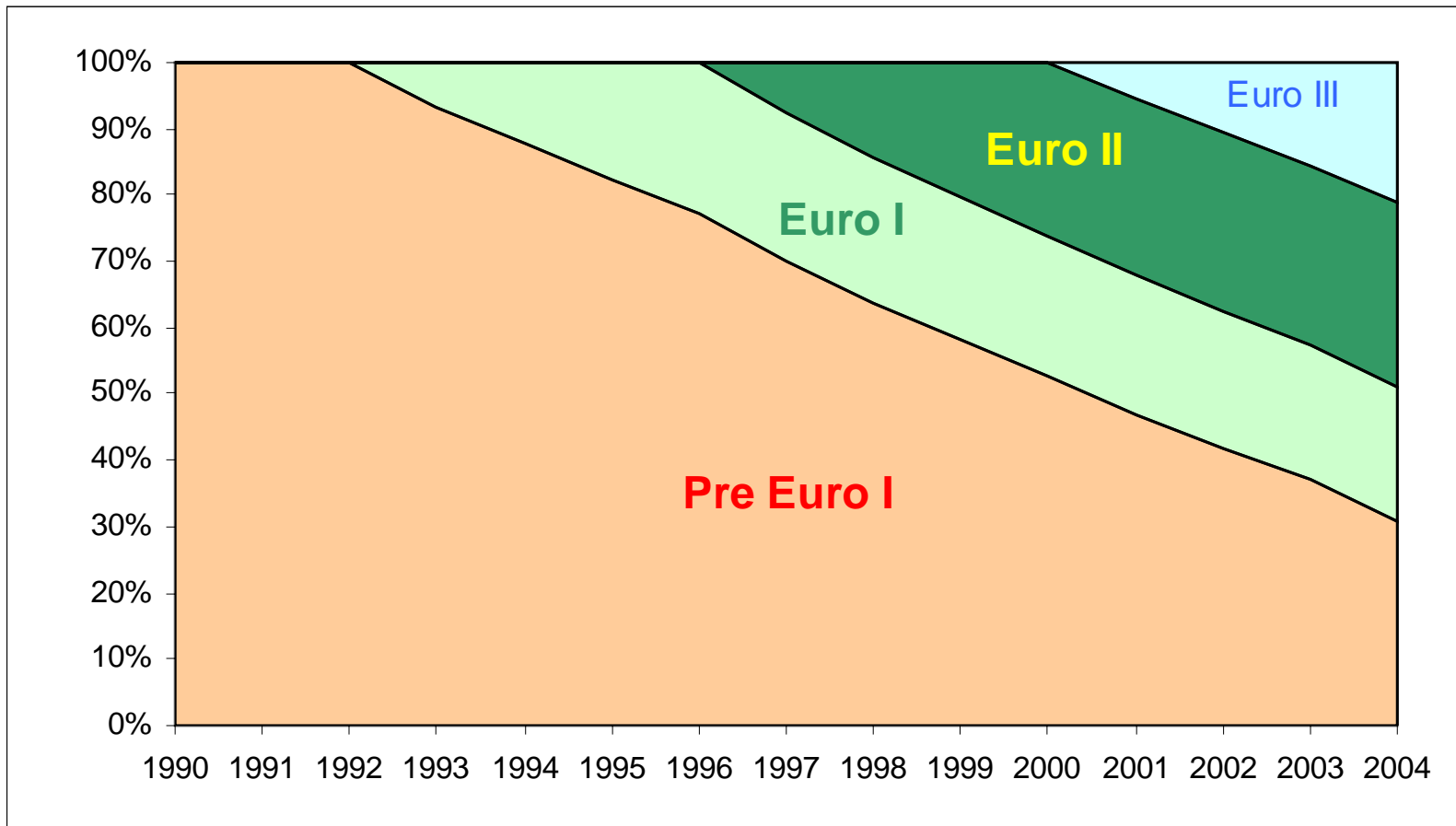
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Total passenger cars technology distribution in Italy



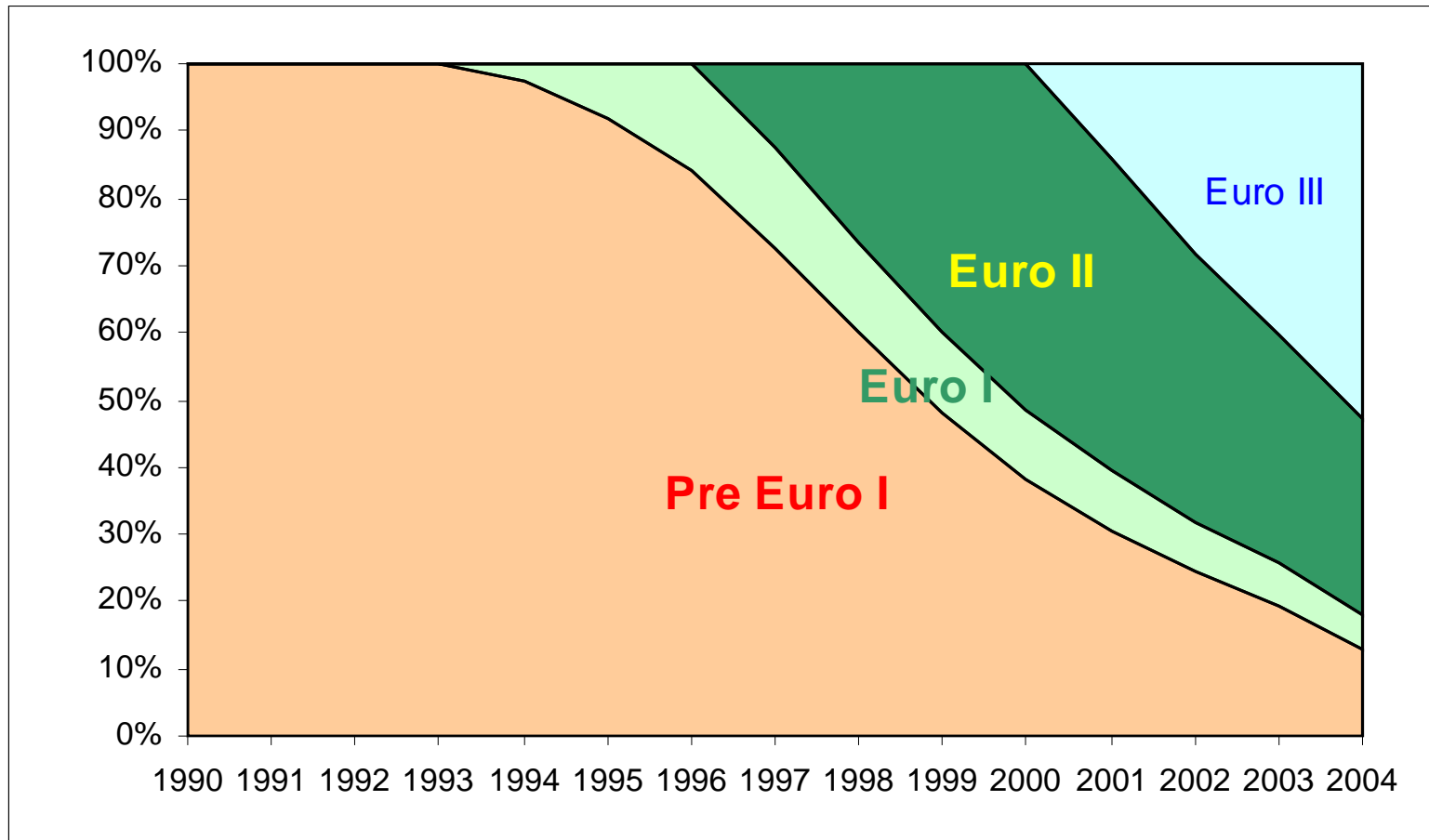
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Gasoline passenger cars technology distribution in Italy



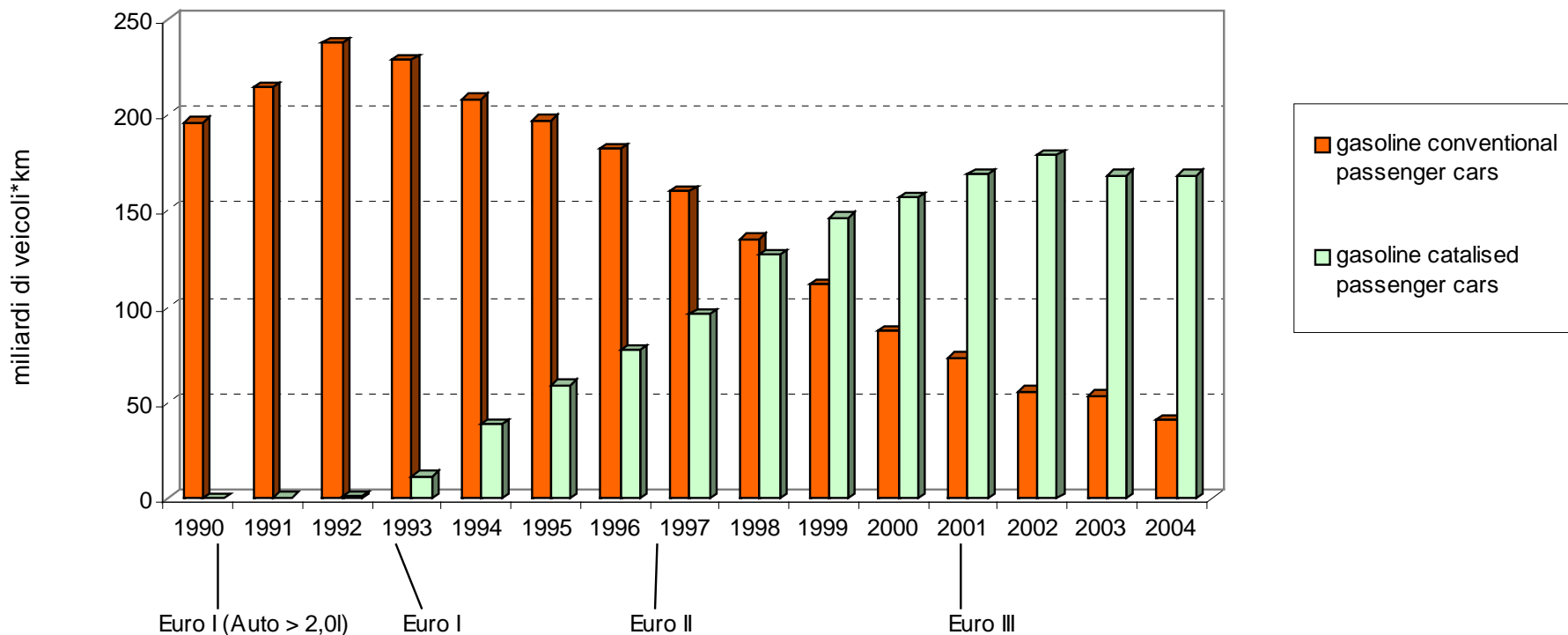
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Diesel passenger cars technology distribution in Italy



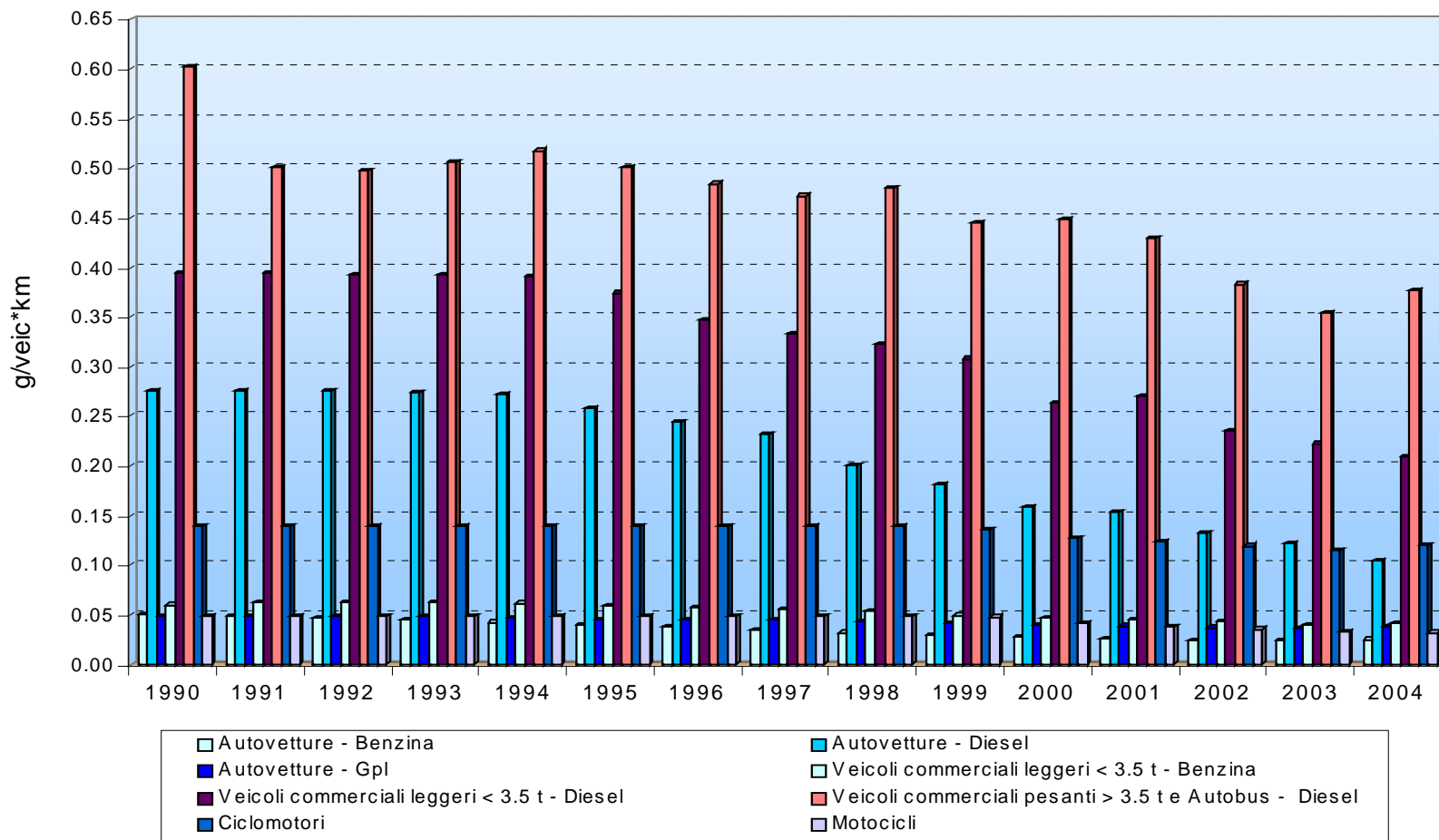
AIR POLLUTION AND ENVIRONMENTAL IMPACTS

Gasoline passenger cars mileages in billion of vehicles*km and European directive entered in force



AIR POLLUTION AND ENVIRONMENTAL IMPACTS

PM10 emission factors for different vehicles *type*



AIR POLLUTION AND ENVIRONMENTAL IMPACTS

Average Non Methane Volatile Organic Compounds emission factors in 2004 in Italy

