Clean fuels and vehicles

in CIVITAS Plus cities (2008-2012)







The company has been gradually increasing the **biodiesel blend**. At the end of the demonstration period 95 out of 120 buses were running on a B-30 blend, 15 buses with B-50 and 6 buses with B-100

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Relative annual **reduction of pollutant emissions** is above 20, ranging from 20,2% for CO₂ emissions to a 45,3% reduction achieved for PM

Elaboration of a report to provide a comprehensive analysis of the current situation and the potential of development related to use of **alternative fuel consumption** in Gdansk

GDANSK

Over **90% of respondents agree** that Gdansk could benefit from introduction of public transport powered by bio fuels (sample size: 470)



PERUGIA

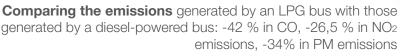


78 **methane retrofit kits** were purchased, with the aim of installing them on the EURO 1, 2 and 3 vehicles which were part of the municipal and police fleet. Of the 172 petrol-driven vehicles in the fleet, 33 were retrofitted to enable them to use CNG

Refuelling costs have been reduced by 37.5%, with no change in maintenance costs. **Emissions** of the retrofitted vehicles (which were measured under controlled conditions) for CO₂ **were reduced** by between 22% and 27% (depending on the gear choice)

lasi modified 30 vehicles in the bus fleet to operate on bio-methane

IASI





BRIGHTON & HOVE





35 registered users of the scheme and **55% reduction in CO₂ emissions** (compared to the same usage with non-electric vehicles)

Upgrade of the existing **photovoltaic system** installing a 76,8kw photovoltaic system to feed buses with low environmental impact

BRESCIA



The new plant is characterised by a peak power of 76,8 KWp produced in its first year 97.736 kWh, almost **twice more** than the previous power plant

