**Fine Dust Free Klagenfurt?**

**Measures for the Reduction of Air Pollution in the State Capital Klagenfurt am Wörthersee**

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# *Abstract*

The causes of fine dust pollution in Klagenfurt were investigated scientifically and measures were tested and modelled for the first time in the EU project KAPA GS (2004-2007). At that time, high background pollution of more than 50% was determined, but it was not possible to definitely find out the origin. It was possible to close this knowledge gap in the EU project PMinter. Besides traffic (stirring up fine dust, diesel exhaust), wood burning in individual furnaces (wood smoke) accounts for a large amount of the fine dust pollution, above all in rural areas. The results of the EU projects were immediately put into the clean air plan of Klagenfurt.

Through the implementation of clean air measures (CMA fine dust glue, acceleration of district heating connections from 16,000 to 25,000 residence equivalents, renewal of the city bus fleet to the EEV standard, various traffic reducing measures), it has been possible to comply with the EU limit values for fine dust (PM10) and nitrogen oxides (NO2).

If the increase in traffic from passenger vehicles can be contained through further traffic reducing measures, and public transport and bicycle traffic increase, then Klagenfurt will be able to comply with the requirements of the EU guideline for clean air in the future even in the event of unfavourable meteorological conditions.