

Economic consequences of low emission zones for non-road machinery

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Every year 4.000 people in Denmark die prematurely from the negative health impacts of air pollution and the majority lives in urban areas. This makes air pollution a continuous problem in Denmark and new solutions are still needed. One of the tools are the urban low emission zones, where there are limits on the acceptable emission levels of air pollutants for vehicles and other machinery and vehicles. Today there are environmental zones in Copenhagen, Frederiksberg, Århus, Ålborg and Odense, but they only apply to diesel-powered trucks, buses and vans.

The project looks at the economic consequences of including non-road mobile machinery (NRMM) in the existing low emission zones and additional urban areas. Non-road mobile machinery includes e.g. machinery on construction sites and machinery used for road works. A number of different scenarios are analyzed. The scenarios vary according to the stringency of the regulation, time horizon of implementation and geographical span. If possible, the environmental consequences will also be presented, and the cost-efficiency of the policy tool will be discussed. However, this part of the project is not yet finalized.