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EVALUATION OF TRANSPORT POLICIES IN ATHENS

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1. ABSTRACT

An evaluation of policies that could improve traffic and environmental conditions and reduce energy consumption in the city of Athens is presented. The analysis is carried out with the aid of a Decision Support System (DSS) integrated in a Geographical Information System (GIS). Six policies (area restriction for private cars, toll imposing, parking restrictions, bus-lanes, introduction of new fuel technologies for public transport vehicles and fuel taxation) are examined. The policies are evaluated according to their performance for a number of traffic, accessibility, energy and environmental indicators and to their benefits with respect to a Reference State. The results demonstrate that fuel taxation, area traffic restriction and parking restriction have substantial benefits, especially when applied in a large area.