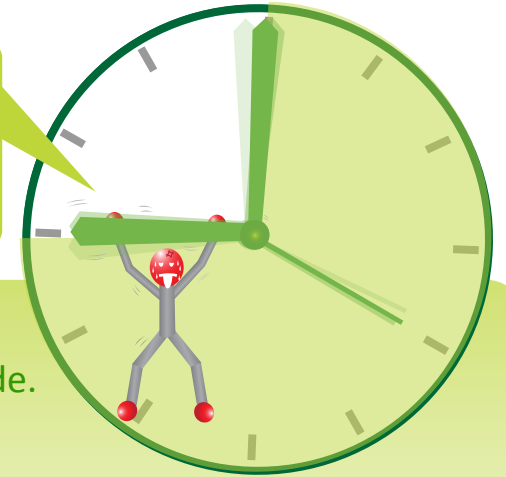


# Delaying Tactic 3: Efficiency in warm climates

Buy time by claiming that CO<sub>2</sub> technology consumes more fuel in warm weather conditions than current systems.  
This claim is FALSE.



CO<sub>2</sub>-based systems outperform current systems in over 95% of driving conditions worldwide. It is therefore the best global solution. By contrast, the new chemical substances present worse efficiency. They need more fuel to operate than current systems.

Latest tests on small vehicles show that an R744-based system consumes significantly less fuel than a conventional system even above 45°C. Previous analysis across all temperature conditions also show that a vehicle running with CO<sub>2</sub> air conditioning in Athens, Greece, compared to another one with the current systems based on HFC-134a, can save up to 26% of additional fuel consumption. Testing in Bombay, India, and Shanghai, China, show that CO<sub>2</sub> can save up to 28% and 26% fuel consumption respectively.

## Background

This claim is aimed at spreading doubt about the suitability of a global solution. The legislation of banning current systems, based on HFC-134a, will only be applicable in Europe. Hence chemical companies see the opportunity to keep market shares overseas.