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LIFE GySTRA - Global system for Sustainable TRAffic emissions management

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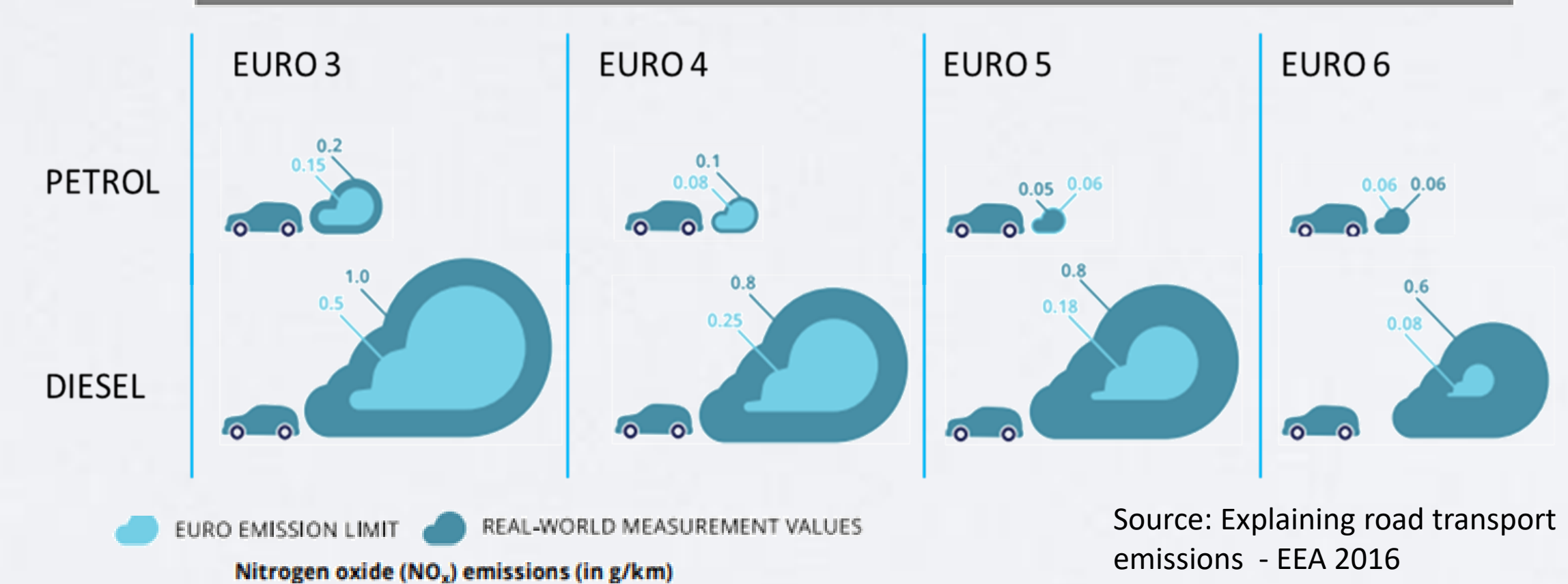
²OPUS RSE, Madrid

The Problem

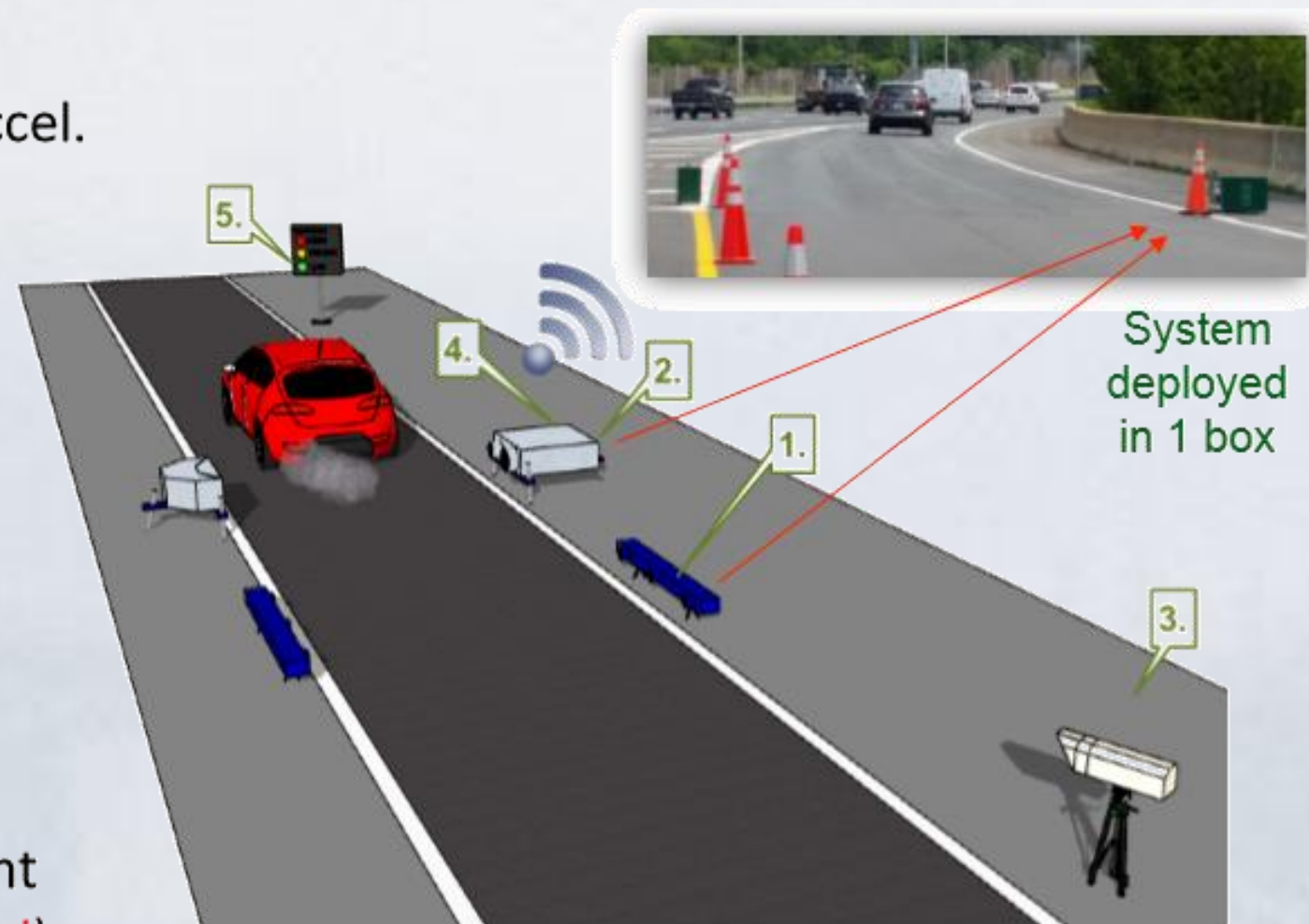
Traffic is responsible for 60% of the total emissions in major urban areas with air pollutants from vehicles including CO₂, CO, NO_x and particulate matter (PM).

Tests for vehicle emissions are not conducted under real driving conditions.

Comparison of NO_x standards and emissions for different Euro classes



- 1 Vehicle's speed & accel.
- 2 SDM/CCM
- 3 Digital camera
- 4 Data processing
- 5 Emissions Traffic Light (Good, Poor, Bad)



LIFE GySTRA project

The project aims to create an innovative remote-sensing device able to continuously monitor emissions of NO, CO, CO₂, PM and NO₂ in real driving conditions. It thus aims to be able to identify high emitting vehicles and require them to be repaired as part of a highly replicable urban air quality management model.



Madrid – Public Model

700 000 vehicles per year will be monitored with two RSD+ devices, enabling the Spanish government to notify high emitters and requiring them to repair their vehicle.



Sofia – Fleet Model

150 buses will be measured continuously, enabling the city council to better control urban emissions.

Benefits

- Measure emissions at fixed locations, with high accuracy and on a large scale.
- Enable emissions savings to be calculated as well as providing the basis for a new, more robust and cleaner transport policy.
- Support to the achievement of the specific objectives for air and emissions of the Roadmap to an Efficient Use of Resources in Europe and the VII Environment Program.

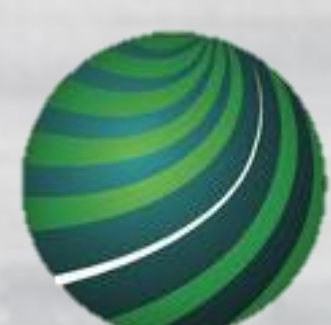


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Life Project

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OPUS

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<https://www.lifegystra.eu>



E-Poster

