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# **Advances in Vehicle Emission Limits and Urban Mobility in Peru**

**Transport and Climate Change Week  
September 2018**

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## Background information

### The problem

**70 %**

of the emissions in Lima  
and Callao originated from  
vehicles  
(2004)





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# CLEANER FUELS

Diesel [S] < 50 ppm

**2010**

Lima – Callao  
(DS N° 061-2009-EM)



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# CLEANER FUELS

Diesel [S] < 50 ppm

## 2012

Arequipa, Cuzco, Puno  
and Madre de Dios  
(RM N° 139-2012-MEM/DM)



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# CLEANER FUELS

Diesel [S] < 50 ppm

## 2016

Junín, Tacna and  
Moquegua  
(DS N° 0909-2015-MINAM)



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# CLEANER FUELS

Diesel [S] < 50 ppm

## 2017

Ancash, Apurímac,  
Ayacucho, Cajamarca,  
Huánuco, Huancavelica,  
Ica, Lambayeque and Pasco  
(DS N° 038-2016-EM)





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## Tentative proposal towards Euro 6

DB5 - S1500 for  
Loreto y Ucayali  
(January 2019)

Start of commercialization of only  
two types of gasoline  
(G91 and G97) – S10.

DB5-S10 at national level, except  
for Loreto and Ucayali.  
(January 2022)

Euro 6 for all vehicles with  
at least 4 wheels – **with  
spark-ignition (Gasoline  
GNV and GLP).**  
(January 2023)

(January 2020)

DB5 - S50 for  
Tumbes, Piura,  
Amazonas and San  
Martín.

G90 - S50 at  
national level

(April 2024)

DB5 – S10 for Loreto and  
Ucayali.

Euro 6 for all vehicles with  
at least 4 wheels – **with  
compression ignition  
(Diesel).**  
(July 2024)

.....additional to vehicle homologation, technical inspections and scrapping





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PROBLEMS AND ACTIONS

Approximately **70%** of the health related air pollution in urban areas is originated from vehicles.

Ground transport accounts for approximately **9%** of the country's GHG emissions

*This is why we have been working on the improvement of fuels and the adoption of cleaner and more efficient vehicular technologies*



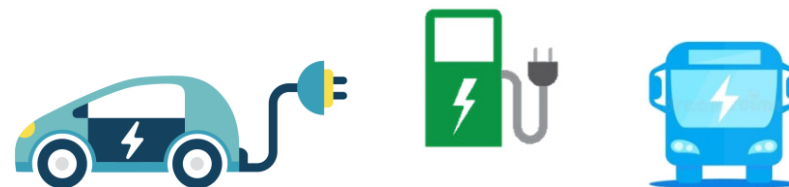
## ELECTRIC MOBILITY?

*Advantages of electric mobility:*

**ZERO EMISSIONS** generated by electric vehicles

By changing 5% of the vehicle fleet to EV a **reduction of 480 K tCO<sub>2</sub>eq** could be achieved by 2030.

It allows to diversify and increase the efficiency of the country's energy matrix. **ENERGY SECURITY**



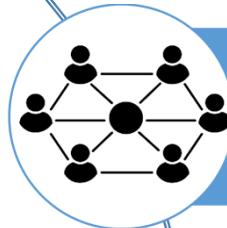
## Scenarios

Scattered and non-integrated initiatives



Non-comparable pilots, scarce information for investors

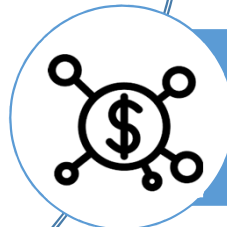
Uncertainty about profitability and lack of funding



National goals, achieved under efficient management (synergies)



Demonstrations that validate investors' interest, aligned with national goals



Sustainable public and private projects



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**Thank you**