

AVL List GmbH (Headquarters)



Driving my Zero Emission Car

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IMM2018 Kick-off, 21.3.2018, Vienna

Starting Point

- Nowadays, **air pollution** is the most significant environmental cause of **disease** and **premature death** in the world



THE INVISIBLE KILLER

Air pollution may not always be visible, but it can be deadly.



36%
OF DEATHS FROM
LUNG CANCER



34%
OF DEATHS FROM
STROKE



27%
OF DEATHS FROM
HEART DISEASE

Starting Point

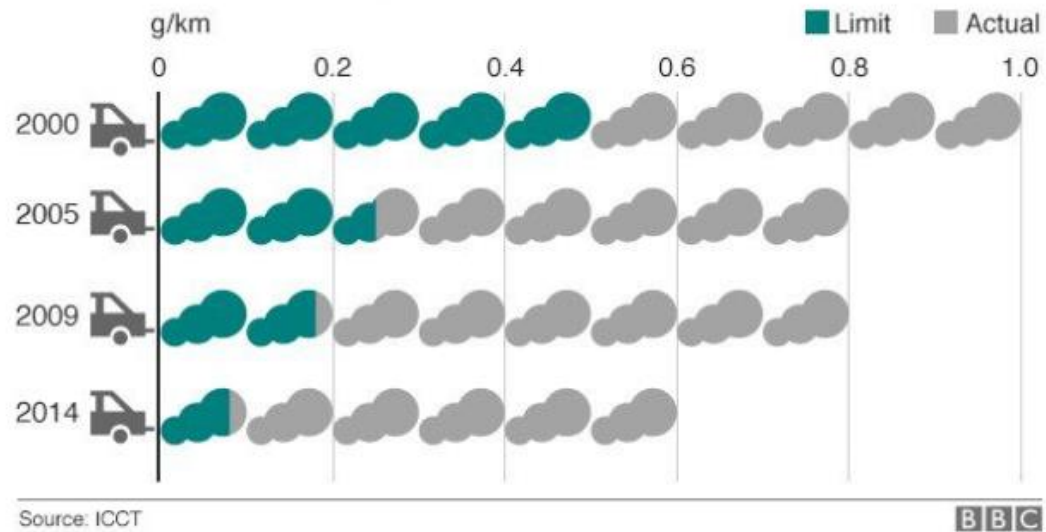
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Vehicles, Air Pollution, and Human Health

Cars and trucks are one of the leading causes of air pollution—but cleaner vehicles can help.

Starting Point

Diesel cars break nitrogen oxide emission limits

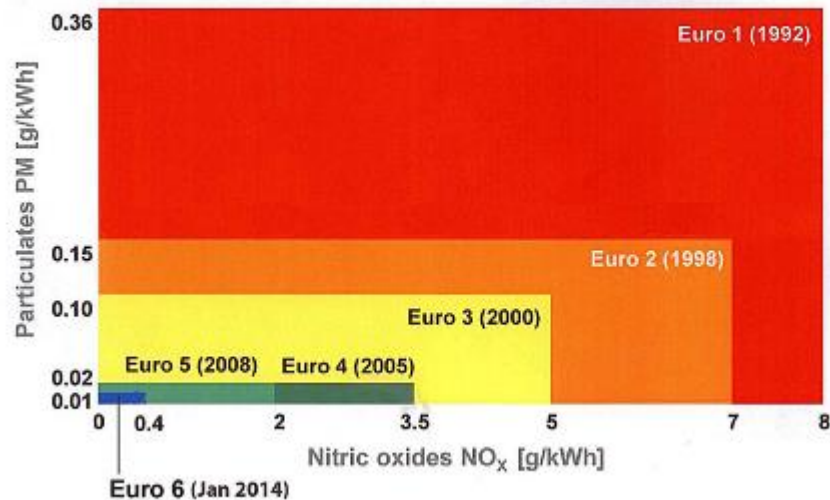


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EU Emissions Standards

Exhaust emissions Euro 1–6



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- **International communities** (WHO, EU, EPA, CARB, ...) have released very **strict emission regulations** including CO₂ limits

Starting Point

Environment

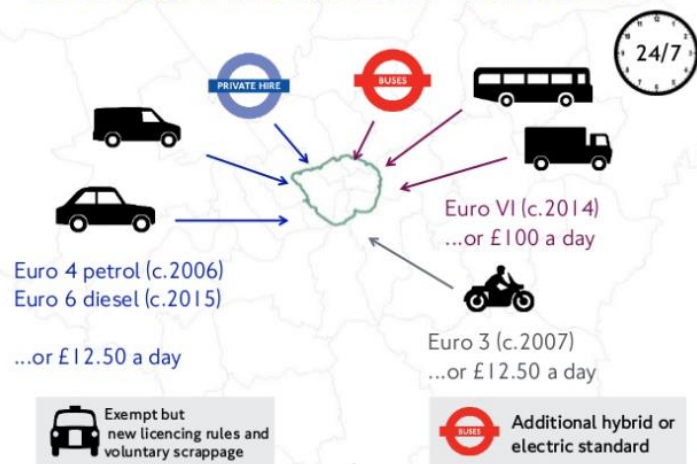
Paris plans to banish all petrol and diesel vehicles from city centre by 2030

French capital accelerates plan to wean country off gas-guzzlers

Brian Love | Thursday 12 October 2017 10:30 BST | 

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The Ultra Low Emission Zone - As it stands



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- Meanwhile, also **cities** and communities are planning to released **bans for specific traffic zones**
- The topic is rising the attention of both public and individuals, which would like to get their own understanding

The main task

- Elaborate solutions for getting the view on emissions:



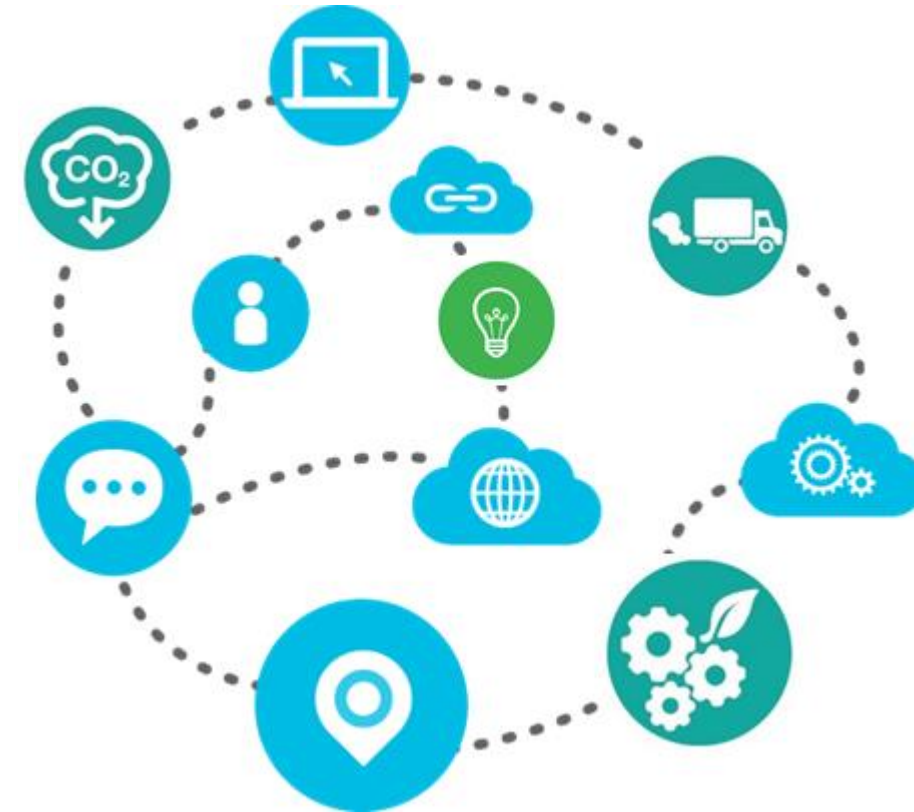
Access to on-board diagnosis



Simple & Smart measurement solution



Model based calculations



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Model based calculations

- Get a more deepened view of data and enrich the information with:



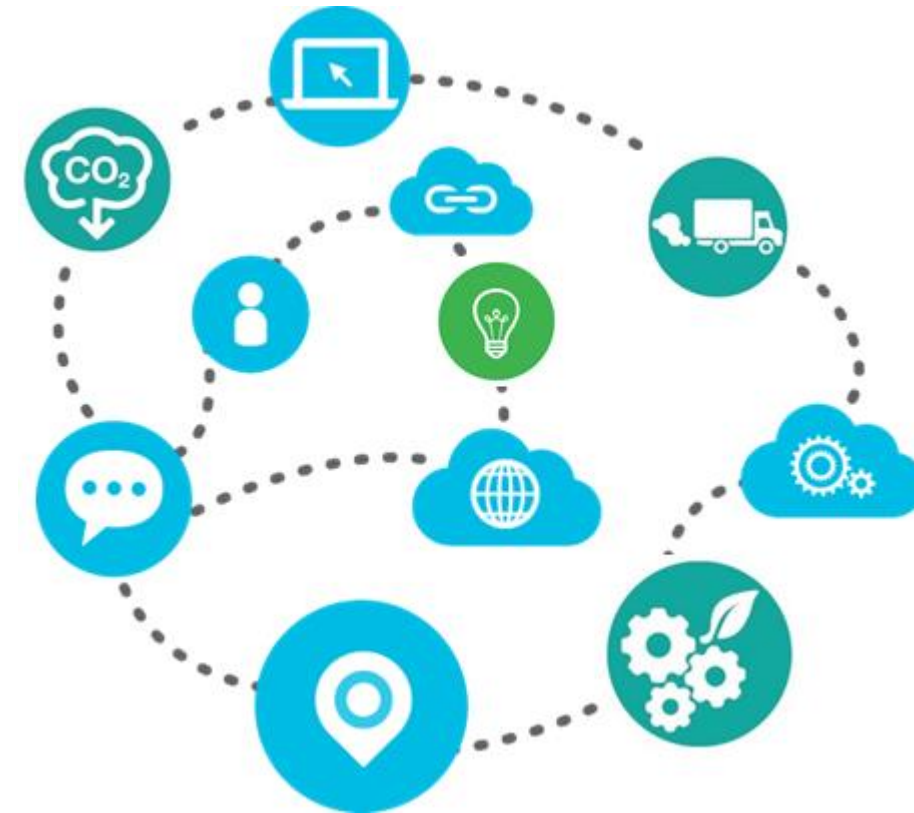
Background emissions (immission)



GPS data, weather information, traffic data, driving style



Personal information (e.g. driver, vehicle)



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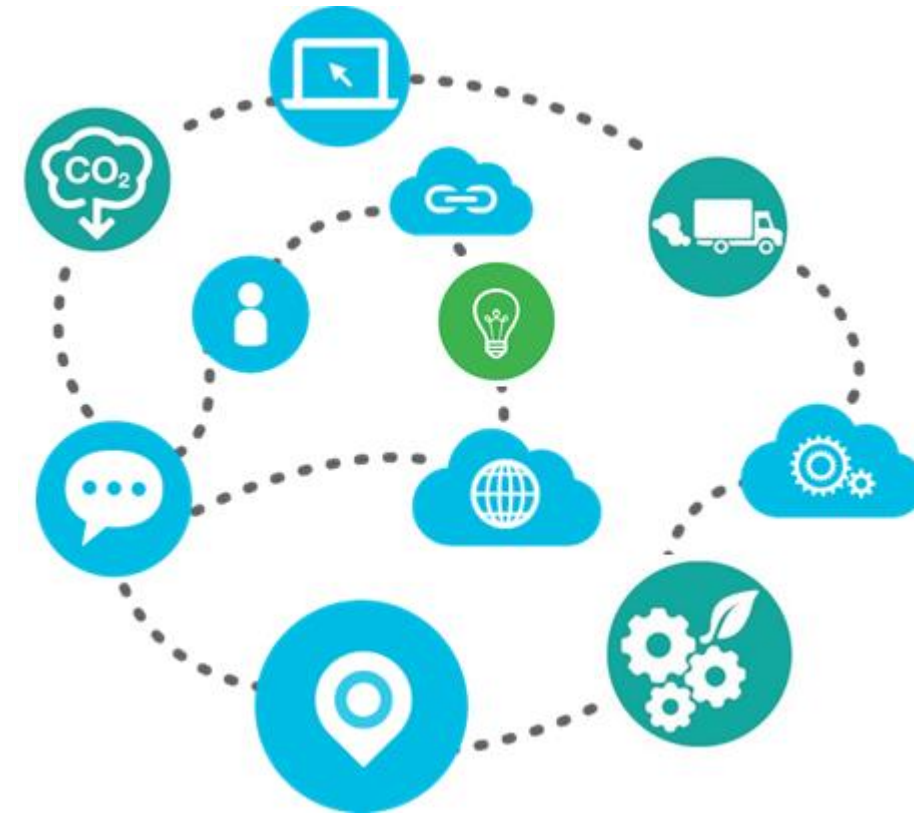


Personal information (e.g. driver, vehicle)

- Create communities for spreading best practices and increase social awareness



Share data and information (e.g. via clouds and apps)



Our invitation

Collaboration with makers who are interested in:

- Customized measurement solutions to collect exhaust emissions data directly from the vehicle
- Creating apps for visualizing results and sharing of best practice within relevant communities
- Transfer data into the cloud and making it available for the entire community

Thank You