



LENS City and Stakeholder Group Event

Welcome and Intro

Prof. Leonidas Ntziachristos

EMISIA SA



This project has received funding from the European Union's Horizon Europe research and innovation programme under grant agreement No 101056777



Project Fiche

Grant Agreement number	101056777
Framework Programme	HORIZON Europe
Call	Clean and competitive solutions for all transport modes (Topic ID: HORIZON-CL5-2021-D5-01-16)
Type of action	Research and Innovation Action
Duration	36 months
Budget	4 995 098 €
Total partners	15
Coordinator	Emisia S.A.

Consortium

e:misia

Applus⁺
IDIADA

TU
Graz

ivl
Swedish Environmental
Research Institute

ika | RWTH AACHEN
UNIVERSITY

KU LEUVEN

CZU
Czech University
of Life Sciences Prague

TNO
innovation
for life

ifp
Energies
nouvelles

KTM

BMW
GROUP



HORIBA

PIAGGIO

POLIS
CITIES AND REGIONS FOR
TRANSPORT INNOVATION

LNS
L-vehicles Emissions and
Noise mitigation Solutions

Objectives of the meeting

- Explain what our project aims at achieving in terms of motorcycle noise and pollutant emissions monitoring
- Demonstrate (some of) the tools and methods used
- Listen to the needs and requirements of cities and enforcement authorities
- Streamline project outcomes to specific needs

Agenda

13:00 – 13:30: Welcome words by LENS & Tour de Table – Leonidas Ntziachristos (EMISIA)

13:30 – 13:45: Welcome words by representatives from Leuven – Tim Asperges (City of Leuven)

13:45 – 14:00: Status quo L-vehicle pollution and importance of tests for police – Matthieu Caudron (Leuven Police)

14:00 – 14:15: LENS update on latest developments – Leonidas Ntziachristos (EMISIA)

14:15 – 14:30 Tampering detection in-field surveys in the LENS project (Paris & 3rd city) – Ake Sjodin (IVL)

14:30 – 14:45 Q&A

14:45 – 15:15 Coffee Break

15:15 – 15:30: “Roadside measurements of L-vehicle noise and emissions” – Hervé Denayer on Noise (KU Leuven)

15:30 – 15:45: “Roadside measurements of L-vehicle noise and emissions” – Hafiz Hashim Imtiaz (TU Graz)

15:45 – 16:00: Revised laboratory testing – Carina Diemel (RWTH Aachen)

16:00 – 16:15: On-road / on-board testing – Alba Garbí (IDIADA)

16:15 – 16:30: Impact Assessment – Leonidas Ntziachristos (EMISIA)

16:30 – 16:45: Coffee Break

16:45 – 17:00: Visit live-testing location ([Tiensestraat](#))

18:30 – 20:00: Dinner

A big thanks!

- The Leuven Local Police: Mathieu Caudron and his motorbike riding traffic police colleagues
- The City of Leuven: The whole council for providing permits and access to the city sites and Tim Asperges for facilitating the work



Welcome to better cities through our LENS!



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Colour palette



RGB

102/98/255

0/159/227

40/35/93

81/192/72

225/225/225

HEX

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E1E1E1