Assessment of pollutant emissions including ultrafine particles down to 10nm of high-performance motorcycles

lab and real-world evaluation using advanced PEMS technology

Sebastian Schurl

Agenda

RDE Configuration

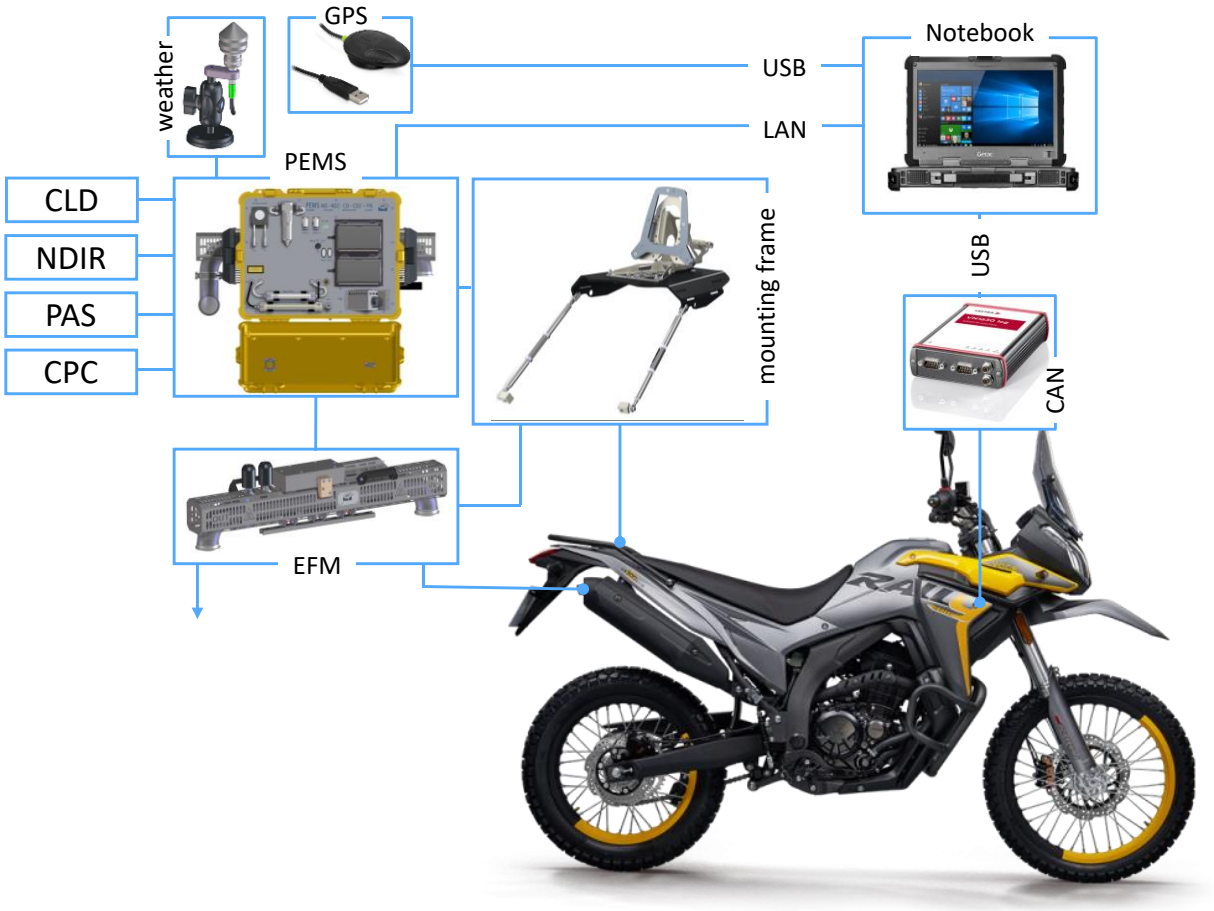
Lab – Verification

- Setup
- Results

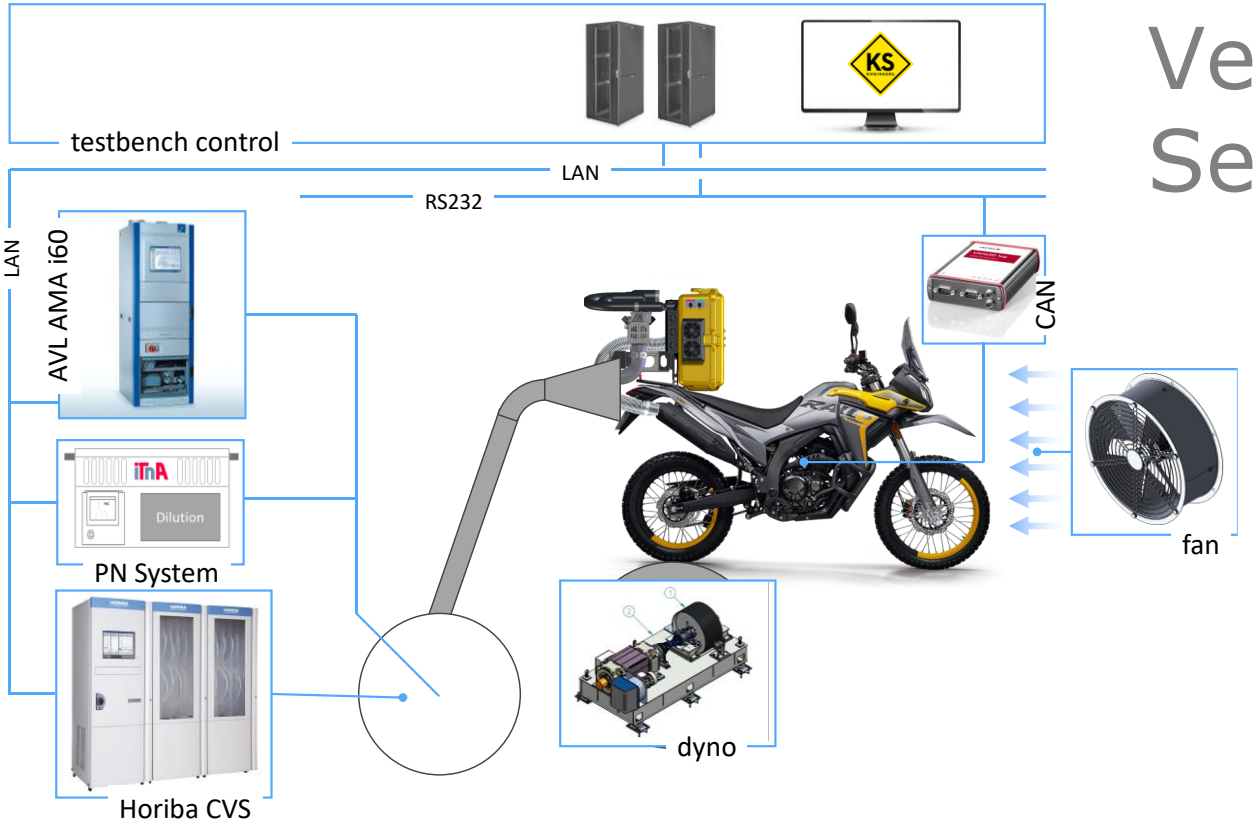
RDE Assessment

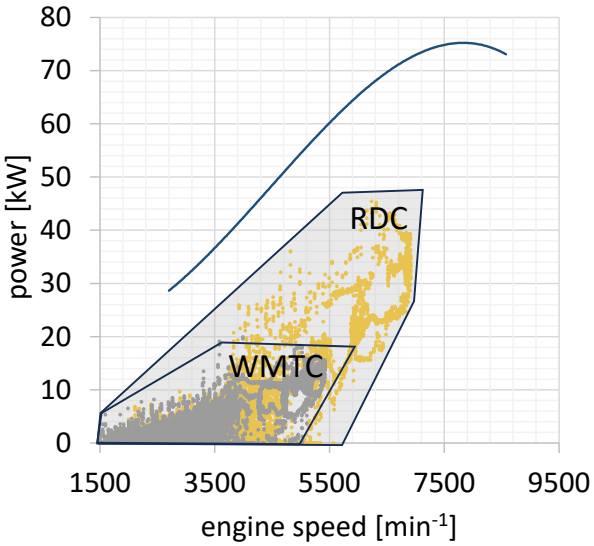
Summary and Outlook

RDE - Configuration

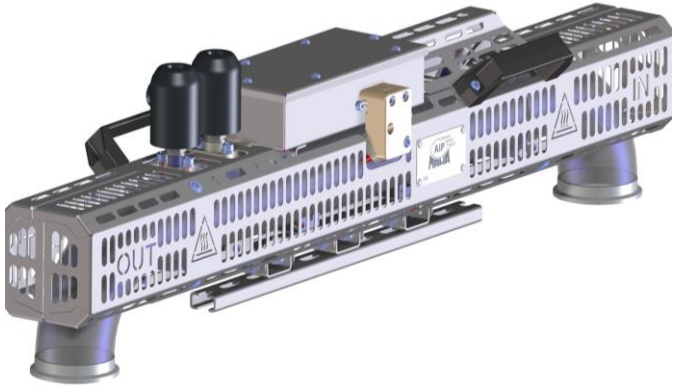


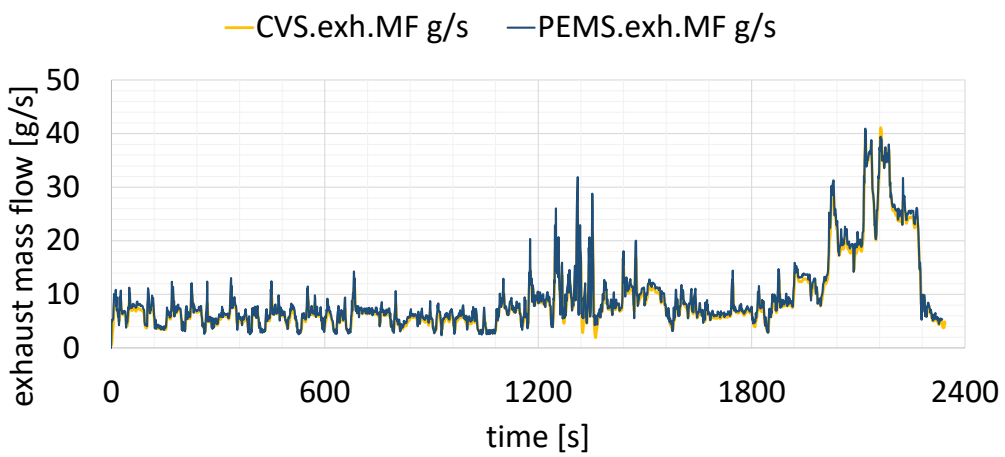
Verification Setup

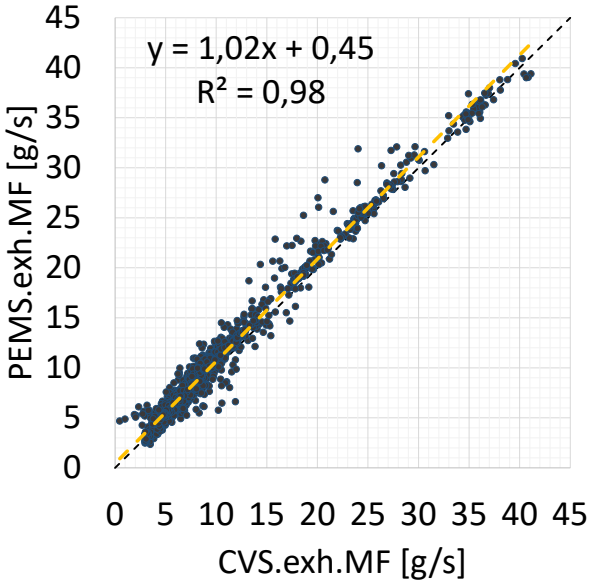




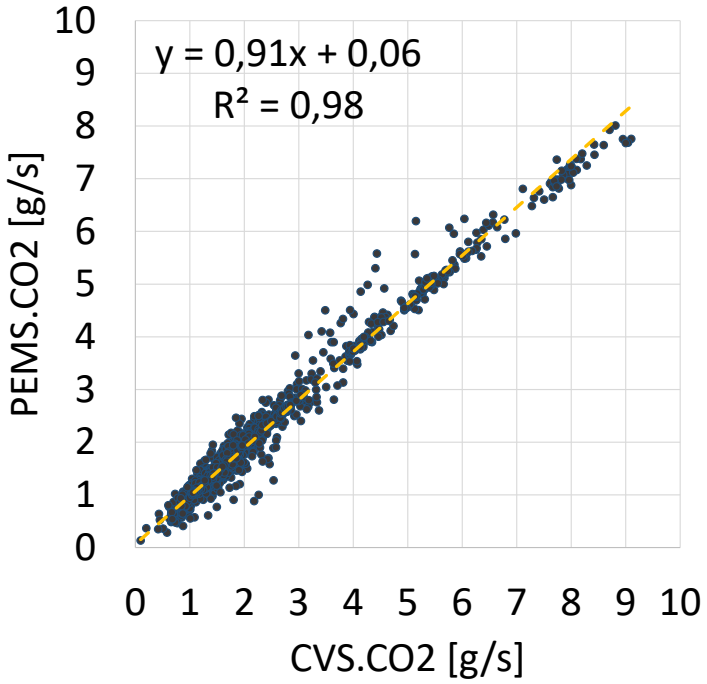
EFM 1,5“ LF – Verification

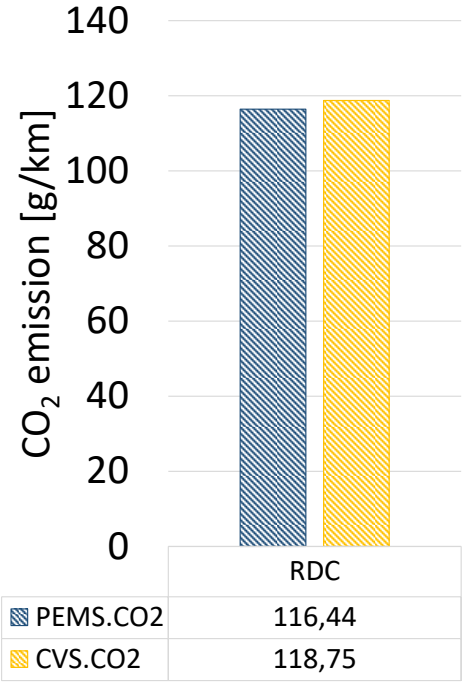






CO2 – Verification





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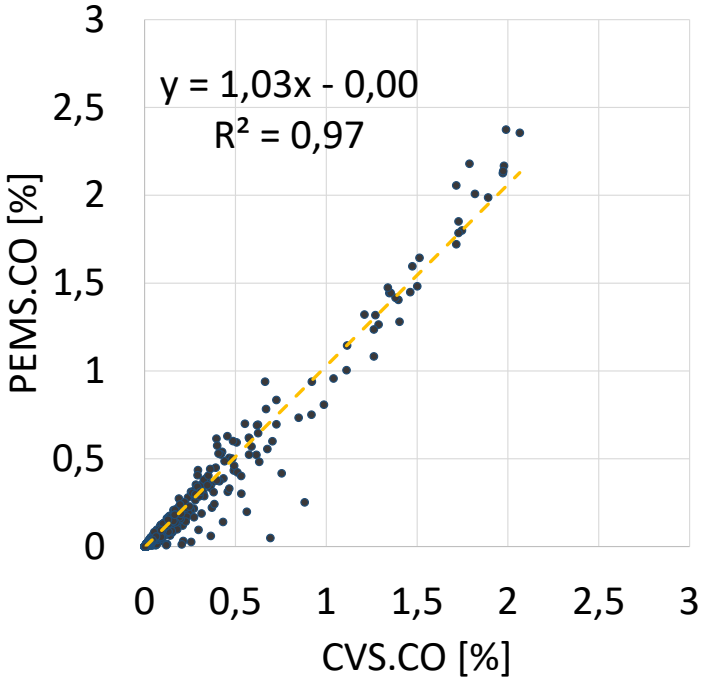
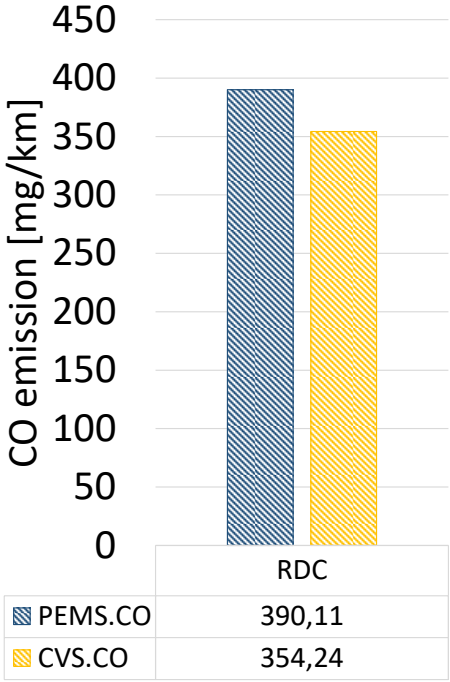
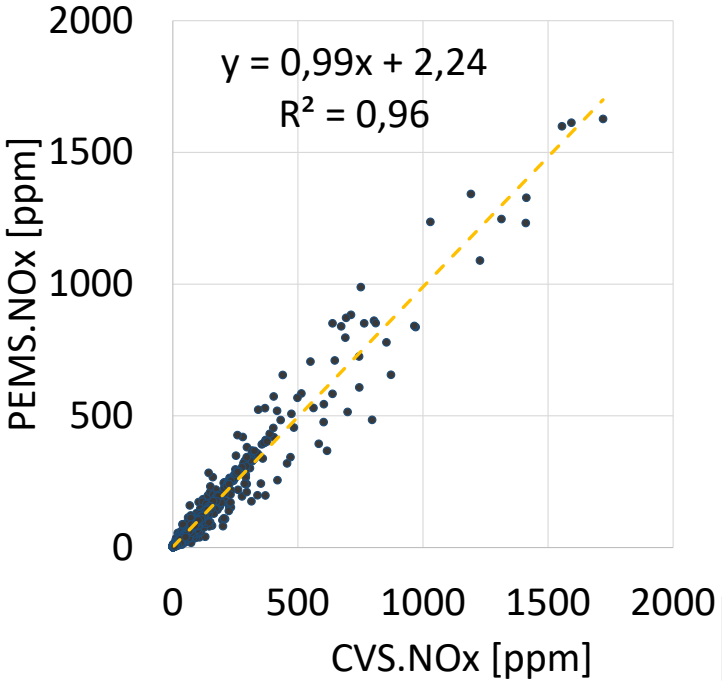
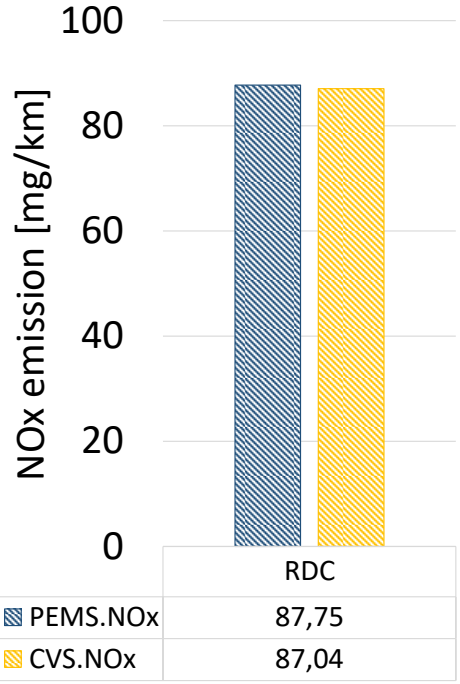


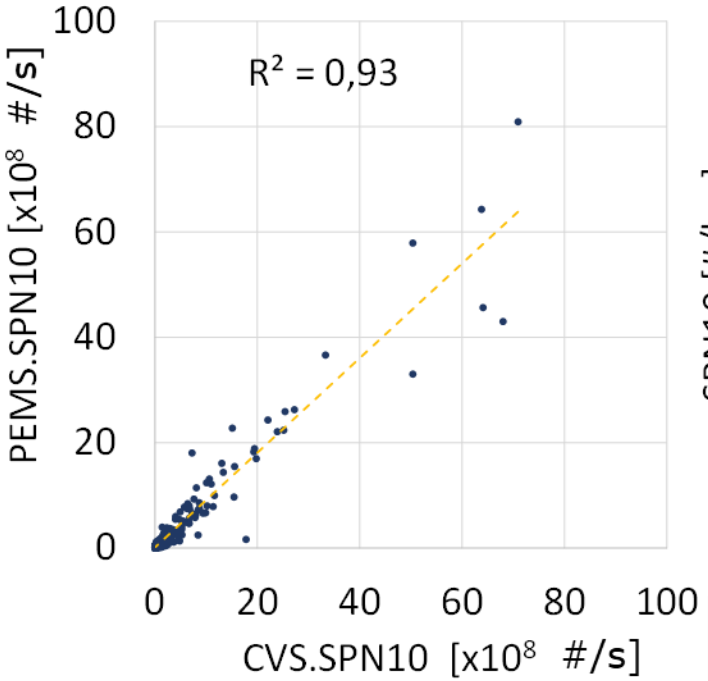


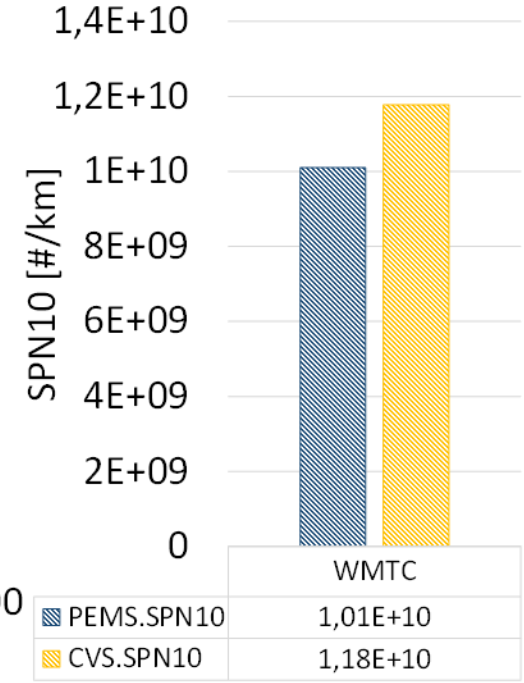
NOx – Verification



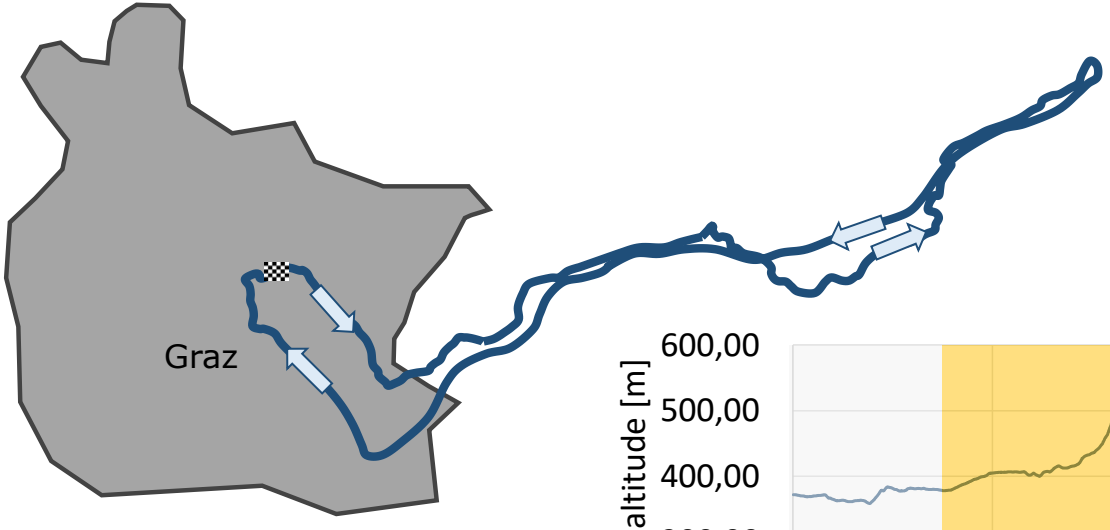


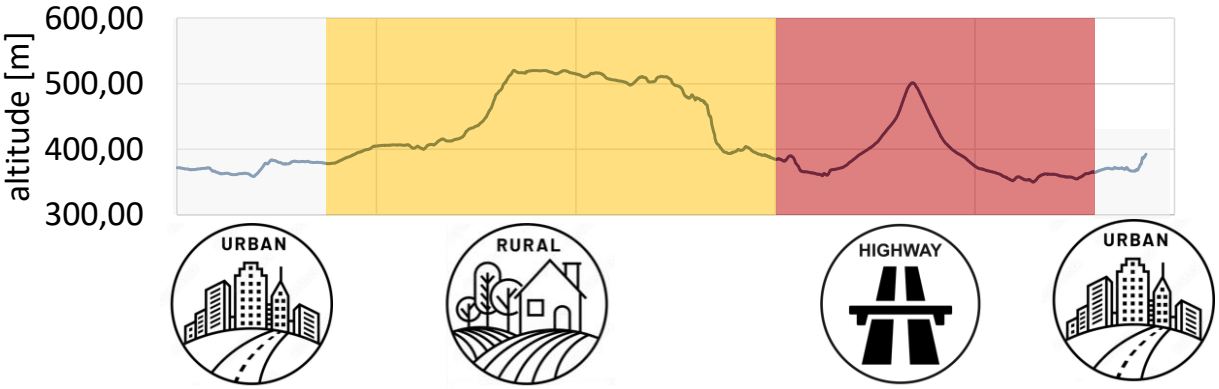
Particle Number – Verification



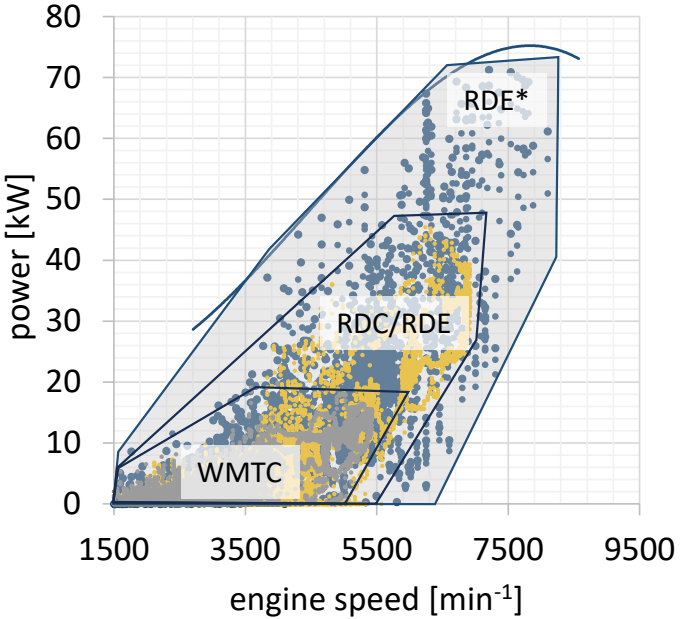


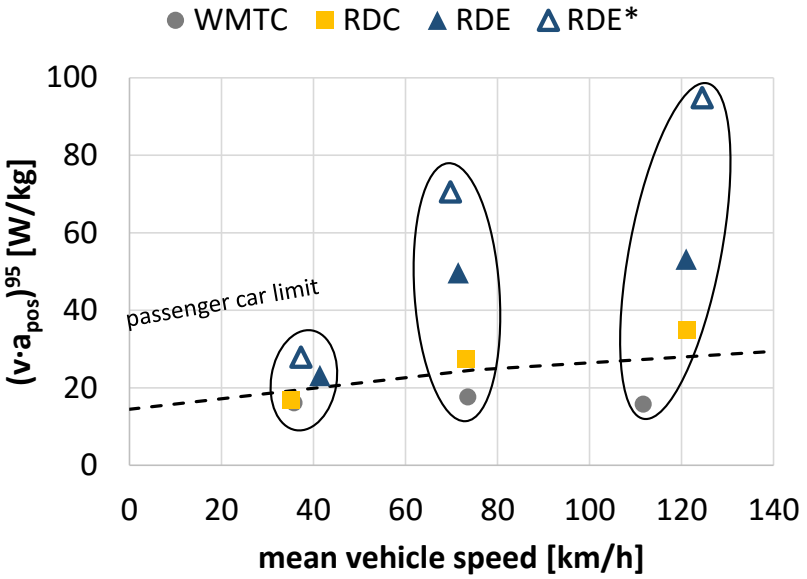
RDE Assessment – Trip Composition



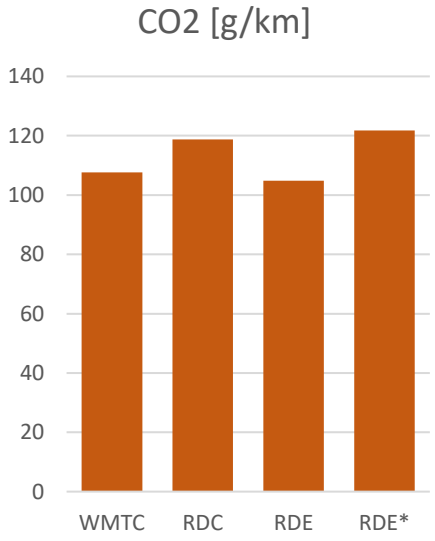


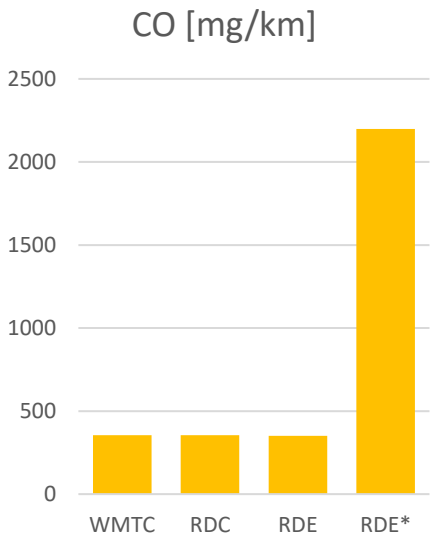
Power requirements and driving dynamics

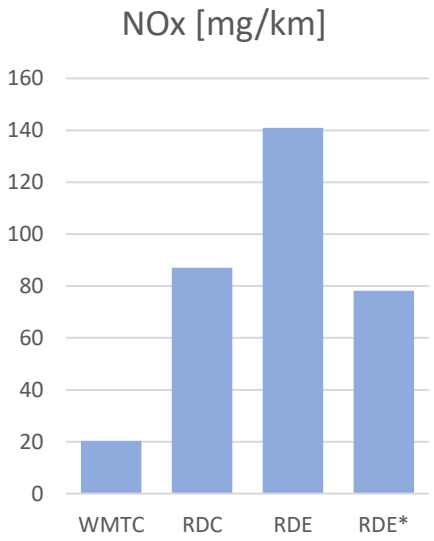


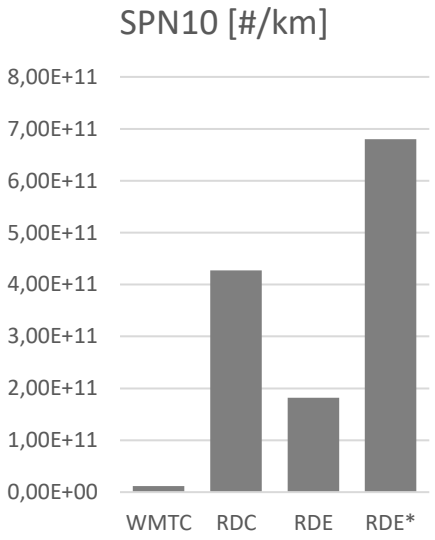


Emission Evaluation









Summary and Outlook

Thank you!

Contact Information:

Sebastian SCHURL
Projectassistant

T +43 316 873 - 30259
M schurl@ivt.tugraz.at
W www.ivt.tugraz.at

Graz University of Technology
Institute of Thermodynamics and sustainbale propulsion systems
Inffeldgasse 25b, 8010 Graz, Austria

https://www.lens-horizoneurope.eu/