



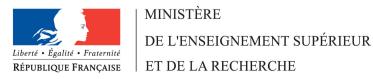




## Networking session on calls 2017 - 25 May 2016

# Transport and Air Pollution conference 24-26 May 2016

Recommendations for the presentations (5mn)



### **Czech Technical University Prague** & Technical University of Liberec

#### **Fuels, combustion & emissions**

Adaptation of engines to novel fuels Real driving emissions (RDE)

Portable on-board emissions monitoring systems (PEMS)

**Exhaust toxicity studies** 

#### **Green vehicles GV-02-2016**

Technologies for low emission light duty powertrains

**Green vehicles GV-01-2017** 

Optimisation of heavy duty vehicles for alternative fuels use

LCE-08-2016-2017

Development of next generation biofuel technologies

#### **Michal Vojtisek**

Associate Professor of Mechanical Engineering & Resident Alchemist michal.vojtisek@fs.cvut.cz (+420) 774 262 854 www.medetox.cz









Evaluation of real driving emissions (RDE) with portable on-board emissions monitoring systems (PEMS)

<u>Type-approval grade:</u>
AVL – gaseous pollutants
NanoMet 3 – particle number (PN)

In-house built research-grade:
"Mini-PEMS" (13 kg, 60 W)
On-board portable FTIR
(non-regulated compounds)
On-board particle counters and particle classifier (EEPS)

Services: PEMS & laboratory testing Test design and facilitation Data analysis and interpretation

**Staff:** Michal Vojtisek designed the first commercially available PEMS 20 years PEMS & RDE in USA & EU



