







Requests to Transport Emission Experts by the Inventorying Community

A subjective view



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There's more to emissions than NOx, e.g. PM

- Exhaust PM size fractions still uncertain, esp. PM_{2.5}/_{PM10}
 How much of the PM_{exhaust} is PM_{2.5}?
- Tyre and brake wear somehow certain
 - New information is still required
- ➢ Road wear very uncertain
 - Large improvements required
- ➢ PM definitions
 - Filterable vs condensable
 - SVOC, primary, secondary



Other pollutants covered by the protocol

≻Cd, Hg, Pb

- We hardly have any recent data on exhaust emissions
- We hardly have any data on non-exhaust, maybe for brakes

➢ POPs: Dioxins/Furans, HCB, PAH

• We hardly know their names, let alone measuring them



Inconsistencies

Protocols require BC

- We often report EC
- Brown C?
- Difference may be / not be small

Protocols require NMVOC

 We report NMHC, which may result in large differences especially for some alternative fuels (alcohols)



> Activity and profile data are often missing

- Data relevance
 - e.g. what is average speed?

Responsibility for data collection / mining / generation resides on both groups

Could we optimize our efforts?



Latest science vs consistency

> Latest scientific findings should be taken into account:

- ASAP as they significantly change projections
- In scheduled time frames so that time series do not 'randomly' change

Latest scientific findings should not lead to much more complex methods

- Data availability?
- Potential for incorrect use of the method



Future targets are based on current knowledge (=level)

- If 'current' level changes in the future, the preceding target has no meaning
- Emissions of a tech X on a past year in a time-series is not the same as the emissions of tech X in the current year
 - Questionable if it makes sense to change old emission levels with latest info on old technologies



Non-road transport

Marine emissions

- In-port primary and secondary engines
- Emission factors / fuels / emission control

► NRMM

- Number of units
- Load profiles
- Hours of use

