

TFEIP

TASK FORCE ON EMISSION
INVENTORIES & PROJECTIONS

› EXPERT PANEL COMBUSTION & INDUSTRY

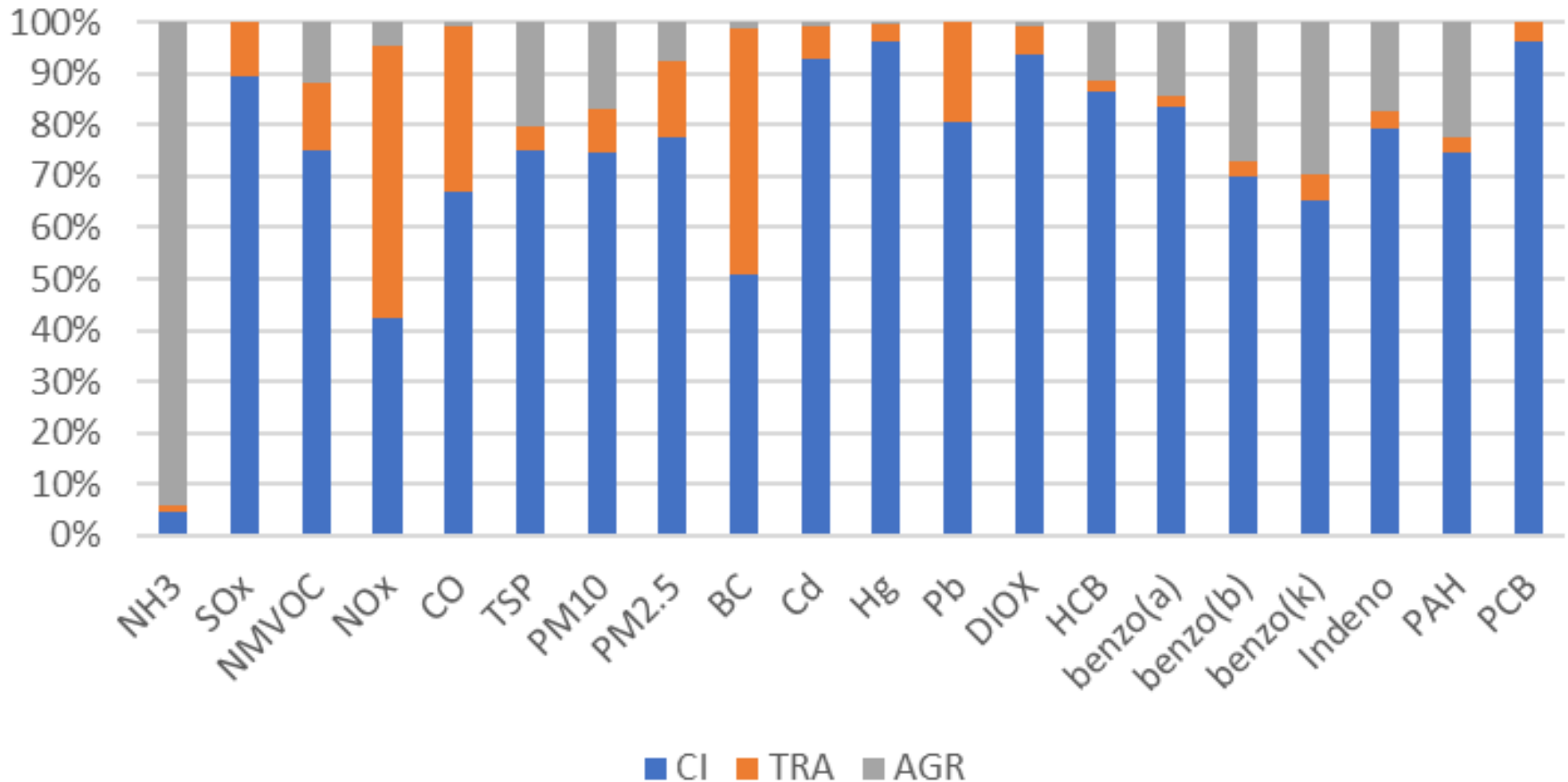
Agenda and Introduction | Jeroen Kuenen, Carlo Trozzi

Techne Consulting

Environment and Energy Knowledge

TNO innovation
for life

Chart Title



AGENDA

Indicative timing	Topic
14.00	Agenda and Introduction
14.10	PM emissions from quarries (FR)
14.30	PM10 from handling of dry bulk agr products (NL)
14.50	Web-based gridding tool for residential sector (JRC)
15.10	BC emissions in chimneys of combustion installations (FR)
15.30	Coffee break
15.45	Small combustion: PM reporting basis and further updates
16.30	Towards the 2019 update of the EMEP/EEA Guidebook
17.00	Any other business

PM FROM QUARRIES

- › France explained how they moved towards the Tier 3 methodology for quarries based on the US EPA methodology (AP-42)
- › Results in improved emission estimates
- › Useful methodology also for other countries where quarries are important, but information is needed on various parameters incl. contacts with experts, industry etc.

PM10 FROM HANDLING OF DRY BULK AGRICULTURAL PRODUCTS

- › Netherlands presented a measurement study that was conducted to investigate the PM releases from the handling of agricultural products
- › Current Guidebook does not stratify between different products, as some drift more than others
- › For less-drift sensitive emissions, a new EF was proposed being smaller than the current Guidebook EF (which represents drift sensitive products)
- › NL and the Expert Panel will cooperate to take this new EF up in the Guidebook as part of the 2019 update

JRC GRIDDING WORKSHOP

- › JRC reported back from the workshop that was organised in Feb 2018 regarding gridding by the EDGAR team
- › The workshop brought together participants from 9 countries from Central/South-East Europe to help them with gridding of air emissions at $0.1^\circ \times 0.1^\circ$ as required under LRTAP and NECD
- › In addition, participation from TFEIP to this workshop
- › Sessions included introduction into requirements and tools, country perspectives, EDGAR introduction, EDGAR tools, and practical work
- › The training was found very useful by the participants and the wish was expressed to continue these kind of activities in the future

BLACK CARBON

- › France presented a study on measuring BC in stacks
- › Two methods: Optical method measuring equivalent black carbon (EBC) and thermo-optical method, measuring essentially EC
- › In the bench tests, both methods agreed relatively well
- › In the on site situation however, the two methods resulted in quite different results which is rather problematic given the (mandatory) reporting of BC

SMALL COMBUSTION

- › Discussion around future improvements needed for small combustion
 - › Current Guidebook contains enough for everyone to conduct a Tier 2 for biomass even without country specific information (defaults are provided)
 - › However some countries still use Tier 1 now
 - › Lack of capacity
 - › Lack of information
 - › Some further information requests were received for new information in the Guidebook

- › The Expert Panel encourages the Parties to move away from Tier 1 and adopt the Tier 2 method in the Guidebook

CONDENSABLES

- › Proposal to move towards including condensables in emission reporting
 - › Appreciated this would be the ideal option, the issue of historical emissions and current measurement standards are making a “sudden” change difficult
 - › At the same time, staying with just filterable only is not a good incentive for countries that just moved away from that
 - › Information received that work is ongoing to come to reach a new common standard in the measurement community

- › No definitive choice could be made at this point
 - › The Expert Panel will follow the discussion around the new standard
 - › The Expert Panel encourages countries to report based on total PM, thus including condensables, if possible
 - › The Expert Panel encourages any new studies to be based on measurement including condensable component as much as possible

WORK PLAN

- › Last year, none of the issues on the work plan was actually realized
- › This year, the list has grown longer since around 20-30 new issues came from the comprehensive NECD review undertaken in 2017
- › The Expert Panel chairs will compile a long-list of all the issues, prioritise them and provide an estimate of the costs to resolve each of them
 - › Small editorial issues will be dealt with directly

The Expert Panel strongly calls for support in realising the issues on our improvement list, so please let us know if your country can support us

› **THANK YOU FOR YOUR ATTENTION**

TNO innovation
for life