

Minutes		
Subject ACTRIS CiGas data QA/QC workshop – Community Meeting		Meeting date 08.04.2025 Meeting place Online
Author Ralf Tillmann/Katrin Seemeyer	Date 23.04.2025	To do (by/until)
Documents Slides - https://www.actris.eu/topical-centre/cigas/announcements-resources/actris-noxvoc-ga-workshop-2025		
AGENDA <ul style="list-style-type: none"> • ACTRIS and the EBAS system - Yong Lin - NILU • NRT data delivery - Robert Wegener - FZJ / Thérèse Salameh – IMT / Stefan Reimann - EMPA • EMEP campaign 2022/2024 - Robert Wegener - FZJ / Thérèse Salameh – IMT / Wenche Aas - NILU • New European AQ Directive - NOx part - VOC part - Max Adam - NOx - FZJ / Thérèse Salameh - VOCs – IMT • PTR-MS measurement guidelines - Thérèse Salameh – IMT • Potential new sites, incl. exploratory sites; Potential new variables <ul style="list-style-type: none"> ◦ Taunus Observatory - Current status and plans for development - Marcel Zauner-Wieczorek - Taunus Observatory • Flagging Combining NOx and VOC data - Anja Claude / Robert Holla / Felix Klein - DWD • Labelling status; Auditing - Ralf Tillmann - FZJ • External Data QA for VOC: possible changes - Ralf Tillmann / Peejush Khare - FZJ • Science Talks <ul style="list-style-type: none"> ◦ 30 years of VOC analysis in Switzerland - Zoé Le Bras - EMPA ◦ Recent insights on ambient oxygenated VOCs at the puy de Dôme atmospheric station during the ATMO ACCESS TNA RACLET campaign : instrumental comparison, composition and variability. - Agnès Borbon - CNRS ◦ OVOC working standards – Transferring metrological traceability to the field - Maitane Iturrate-Garcia – METAS ◦ Exploring the variations in ambient BTEX in urban Europe and its environmental health implications. - Xiansheng Liu – CSIC 		
In the next part some aspects from the discussions after the presentations are given.		
ACTRIS and the EBAS system – Yong Lin In the discussion afterwards it was asked if the instrument types for GC instruments will also be added. Markus posted the link to the GitHub for issues https://github.com/ACTRIS-Data-Centre/actris-vocabulary/issues .		
NRT data delivery - Robert Wegener - FZJ / Thérèse Salameh – IMT / Stefan Reimann - EMPA Afterwards Stefan Reimann remarked that data quality checks could be included e.g., this could be part of the ACTRIS next proposal.		
EMEP campaign 2022/2024 – Robert Wegener – FZJ / Thérèse Salameh – IMT / Wenche Aas - NILU The data from the EMEP campaign has already been submitted to the EBAS or will be submitted.		
New European AQ Directive – Max Adam – FZJ / Thérèse Salameh - IMT		

PTR-MS measurement guideline The new PTR-MS measurement guideline will be published on the CiGas website.	
Potential new sites, incl. exploratory sites; Potential new variables Formaldehyde should play a larger role as it is already mentioned in the ACTRIS implementation plan. Potential new compounds e.g., Ammonia, have to be discussed in the RI Comm meeting. Taunus Observatory – Current status and plans for development – Marcel Zauner Wierzchorek - GU	
Flagging Combining NOx and VOC data - Anja Claude / Robert Holla / Felix Klein - DWD This study to compare flags for NOx and VOC data was well received and should be continued, although this seems to be more work for the data providers. The flagging should rather be somehow facilitated.	
Labelling status; Auditing - Ralf Tillmann - FZJ The requirements for ACTRIS CiGas stations for the VOC part are to measure at least 6 different compounds. These compounds should be in the NPL or for biogenic VOCs in the NIST standard. For compounds not in these standards, CiGas currently doesn't have the resources to validate them.	
External Data QA for VOC: possible changes - Ralf Tillmann / Peejush Khare – FZJ “External” means in this case external of the National Facility which provides/submits the data. It was suggested to also submit the meta data including LOD and time resolution. This way, gaps due to measurements below the limit of detection can be easily identified by the external data reviewer. It was also suggested to provide a checklist for data providers what to flag. This might reduce the rechecking at the NF and improve their flagging. This should be included also in the MGs.	Discuss this at the CiGas management meeting
Science Talks <ul style="list-style-type: none"> • 30 years of VOC analysis in Switzerland - Zoé Le Bras - EMPA • Recent insights on ambient oxygenated VOCs at the puy de Dôme atmospheric station during the ATMO ACCESS TNA RACLET campaign : instrumental comparison, composition and variability. - Agnès Borbon - CNRS • OVOC working standards – Transferring metrological traceability to the field - Maitane Iturrate-Garcia – METAS • Exploring the variations in ambient BTEX in urban Europe and its environmental health implications. - Xiansheng Liu – CSIC 	