

<b>Minutes</b>		
<b>Subject</b> ACTRIS CiGas data QA/QC workshop – NOx part		<b>Meeting date</b> 09.04.2025 <b>Meeting place</b> Online
<b>Author</b> Robert Wegener/Max Gerrit Adam/Katrin Seemeyer	<b>Date</b> 22.04.2025	<b>To do</b> (by/until)
<b>Documents</b> Slides - <a href="https://www.actris.eu/topical-centre/cigas/announcements-resources/actris-noxvoc-ga-workshop-2025">https://www.actris.eu/topical-centre/cigas/announcements-resources/actris-noxvoc-ga-workshop-2025</a>		
<b>AGENDA</b> 9 April 2025 – NOx part <ul style="list-style-type: none"> <li>NOx observations at different sites and visualisation of NOx data files submitted to the EBAS data archive - <b>Robert Wegener</b> - FZJ             <ul style="list-style-type: none"> <li><a href="#">General aspects, prozess of visualisation</a> - <b>Robert Wegener</b> - FZJ</li> <li>Auchencorth Moss                 <ul style="list-style-type: none"> <li><a href="#">Visualisation</a> - <b>Robert Wegener</b> - FZJ</li> </ul> </li> <li>CMN (Monte Cimone)                 <ul style="list-style-type: none"> <li><a href="#">Davide Putero</a> - CNR</li> <li><a href="#">Visualisation</a> - <b>Robert Wegener</b> - FZJ</li> </ul> </li> <li>Cape Verde                 <ul style="list-style-type: none"> <li><a href="#">Beth Nelson</a> – Univ. of York, UK</li> <li><a href="#">Visualisation</a> - <b>Robert Wegener</b> - FZJ</li> </ul> </li> <li>Hohenpeißenberg                 <ul style="list-style-type: none"> <li><a href="#">Robert Holla</a> - DWD</li> <li><a href="#">Visualisation</a> - <b>Robert Wegener</b> - FZJ</li> </ul> </li> <li>Kosetice                 <ul style="list-style-type: none"> <li><a href="#">Martin Beck</a> - CHMI</li> <li><a href="#">Visualisation</a> - <b>Robert Wegener</b> - FZJ</li> </ul> </li> <li>COPDD (Puy de Dome)                 <ul style="list-style-type: none"> <li><a href="#">Aurelie Colomb</a> - UCA</li> <li><a href="#">Visualisation</a> - <b>Robert Wegener</b> - FZJ</li> </ul> </li> <li>MAIDO (La Réunion)                 <ul style="list-style-type: none"> <li><a href="#">Aurelie Colomb</a> - UCA</li> </ul> </li> <li>SIRTA                 <ul style="list-style-type: none"> <li><a href="#">Nicolas Bonnaire / Valerie Gros</a> - CNRS</li> <li><a href="#">Visualisation</a> - <b>Robert Wegener</b> - FZJ</li> </ul> </li> </ul> </li> <li>AOB</li> </ul> <p>In the next part some aspects from the discussions after the presentations are given.</p>		
<b>Auchencorth Moss</b> No person from the station attended the meeting.		
<b>Mt. Cimone, Italy - Davide Putero</b> <ul style="list-style-type: none"> <li>Different solutions for the issue with negative values were discussed.</li> <li>Instrument coefficients were changed by mistake in 2024 possibly affecting the data. Issue related to negative NO<sub>2</sub> values needs to be solved.</li> </ul>		

<ul style="list-style-type: none"> <li>The other Italian station Capo Granitola has not submitted NO<sub>x</sub> data in the last few years due to technical issues.</li> </ul>	
<b>Cape Verde, Univ. of York, UK - Beth Nelson</b> <ul style="list-style-type: none"> <li>Level 0 data should also be submitted so that level 3 data can be produced.</li> </ul>	
<b>Hohenpeißenberg, Germany - Robert Holla</b> <ul style="list-style-type: none"> <li>CLD3 instrument had some issues last year.</li> <li>NO baseline changed after calibration?</li> <li>Some negative values for NO/NO<sub>2</sub> are flagged, while others are not. Station possibly looks into this if not too labour-intensive.</li> <li>No NO<sub>2</sub> calibration source for the Aerodyne CAPS NO<sub>2</sub> monitor yet, working on this.</li> </ul>	
<b>Kosetice, Czech Republic - Martin Beck</b> <ul style="list-style-type: none"> <li>Martin Beck presented instead of the main responsible person Jan Šilhavý.</li> <li>Positive and negative spikes in NO values should be flagged.</li> <li>The offset correction is not ideal, neither the one done by the station nor the one by the TC.</li> </ul>	To TC: Discuss issues with Jan Šilhavý (Košetice NO <sub>x</sub> , O <sub>3</sub> ) - <a href="mailto:jan.silhavy@chmi.cz">jan.silhavy@chmi.cz</a>
<b>Puy Du Dome, France – Aurelie Colomb</b> <ul style="list-style-type: none"> <li>The converter efficiency of the Teledyne T200UP is missing. Aurelie notes that is always between 100 – 105%. Seems to be the case for many Teledyne instruments and may likely be no point of concern.</li> </ul>	The TC will try to contact Teledyne about this.
<b>Maido, La Reunion – Aurelie Colomb</b> <ul style="list-style-type: none"> <li>Maido NO<sub>x</sub> data not submitted due to missing ozone data but nearby station is recording ozone values which could be used in the future.</li> </ul>	
<b>SIRTA, France - Nicolas Bonnaire</b> <ul style="list-style-type: none"> <li>In October 2024 breakage of a regulator occurred.</li> </ul>	
<b>General items</b> <ul style="list-style-type: none"> <li>The TC will share NO<sub>x</sub> emission data with Valerie Gros highlighting the years post-2016 due to the Diesel scandal. No publication relating to this topic is known to the TC yet.</li> </ul>	
<b>AOB</b> <ul style="list-style-type: none"> <li>After several years of online meetings, there was the suggestion to have an in-person data QA/QC meeting as was done before 2020. Another suggestion is to have a separate meeting at the ACTRIS Week 2025 where the NO<sub>x</sub> community can discuss topics relating to data, instruments, issues.</li> </ul>	