



Melpitz CiGas activities 2023

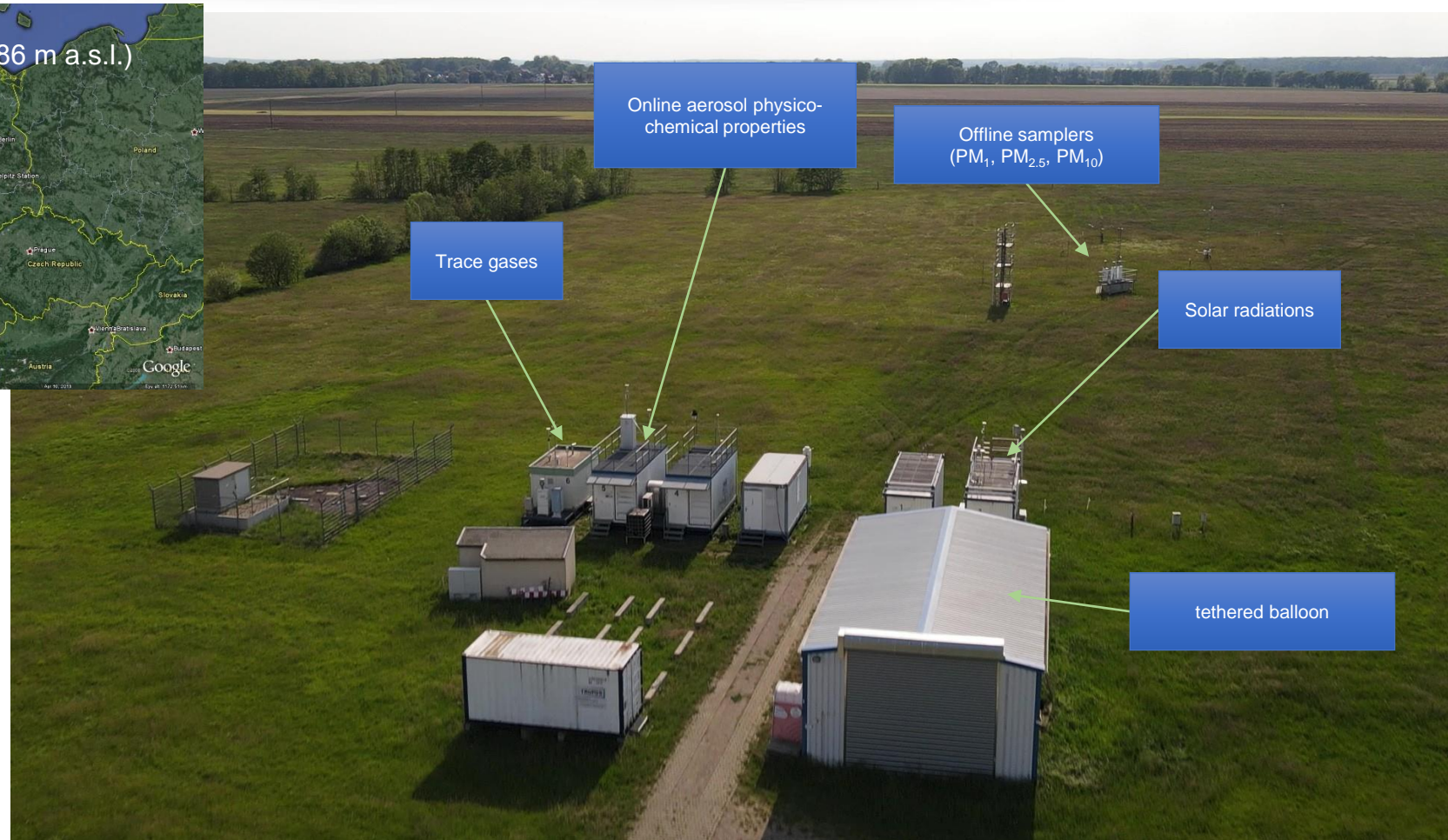
L. Poulain, C. Büttner, R. Rabe, S. Hartmann, J. Voigtlander, H. Herrmann

CiGas QA/QC Meeting

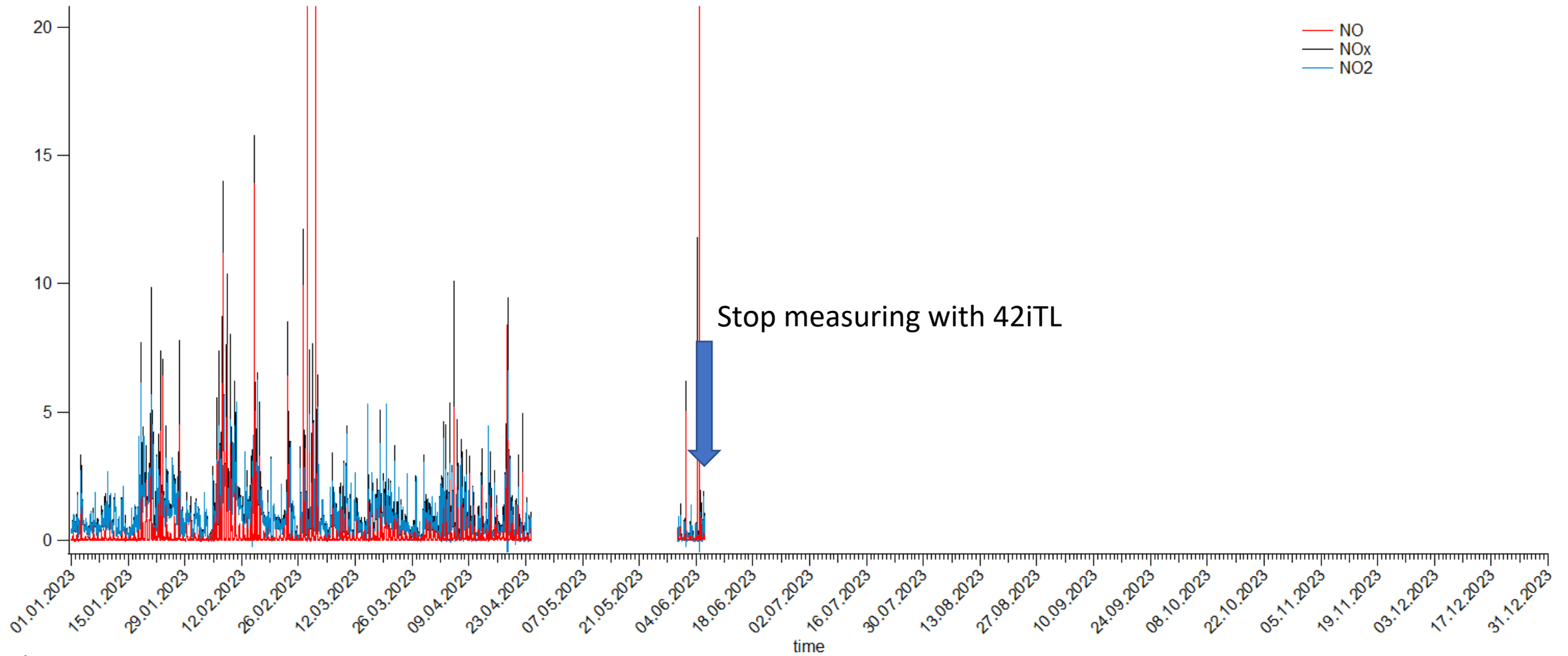
09-11 April 2024

TROPOS

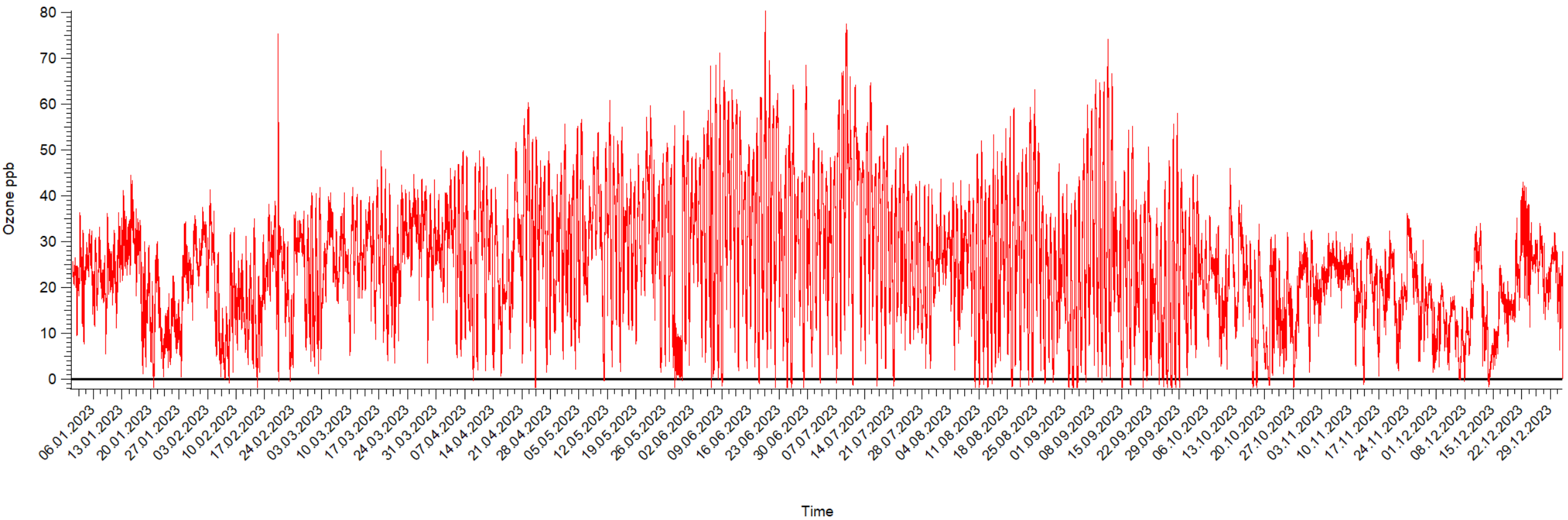
Melpitz-NF



NOx measurements: ThermoFischer Scientific 42iTL with Blue light converter



Ozone concentration



NOx measurements: Teledyne T200UP

Teledyne T200P NOx monitor delivered end of May 2023

- ⇒ Both old and new NOx-monitors took part of the 2023 NOx-Workshop from CiGas at Jülich
- ⇒ 😊 install the T200UP at Melpitz after the workshop
- ⇒ 😞 crash of the datalogger => No data for the second half of 2023



Reactive Trace gases in-situ: NO_x

- Teledyne T200P NO_x monitor delivered in 2023
 - ⇒ Both old and new NO_x-monitors took part of the 2023 NO_x-Workshop from CiGas at Jülich
- Teledyne T200P is fully operated since end of December 2023
- Improve our data flow 😊
- work on the improvement of the main inlet to fulfil ACTRIS requirements
 - ⇒ measured of Temperature and RH on the sampling line
 - ⇒ in-situ calibration and zero measurements: work on an automatization system. First prototype is currently testing in the lab.
- future plan: CAPs-NO₂ (depending on the budget)

Thanks for your attention

