



# ACTRIS

## CiGas



*Germany*



*France*



*Finland*



*Switzerland*



*Germany*

*CiGas HO Meeting 2023/01/16*



This project receives funding from the European Union's Horizon 2020 research and innovation programme under grant agreements No 654109 and 739530

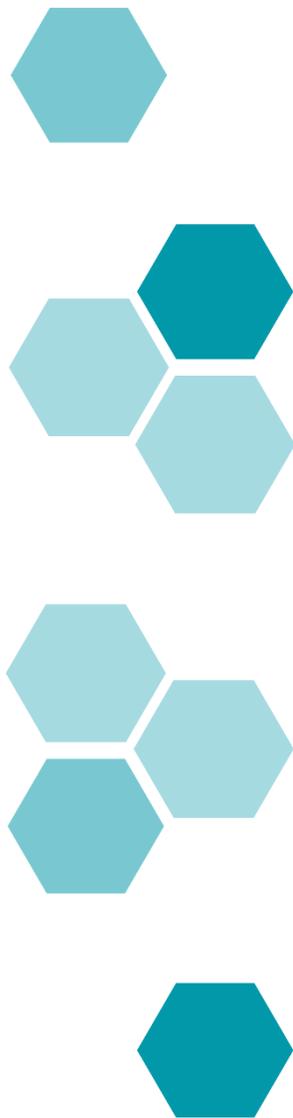
# CAMS21-A

## *Previous*

**ACTRIS CAMS21a:** Near Real Time provision of aerosol in-stu

**CAMS24a:** provision of NRT reactive gas data from the EMEP network – NILU coordination

## **CAMS21a-Phase2-Proposal**



# CAMS21-A

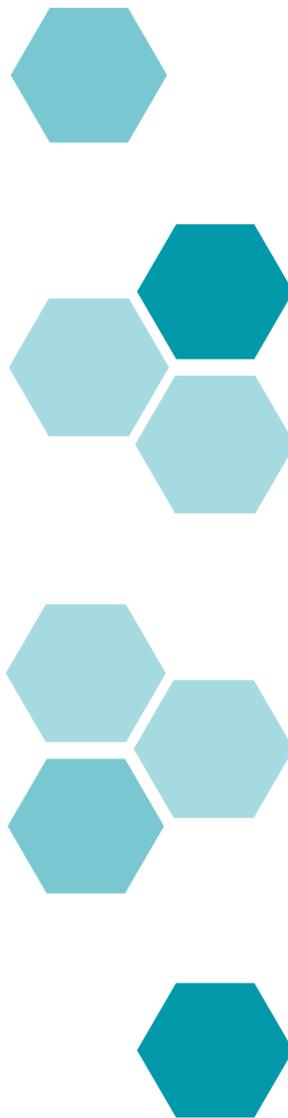
## *Interests of CAMS*

for reactive gases.

High interest in **VOC/NMHC as first priority.**

For **NO<sub>2</sub>**,

considering that CAMS receives quite a lot of info through EEA, they are interested to understand the added-value of NO<sub>2</sub> monitoring with ACTRIS- in terms of data quality : uncertainty.

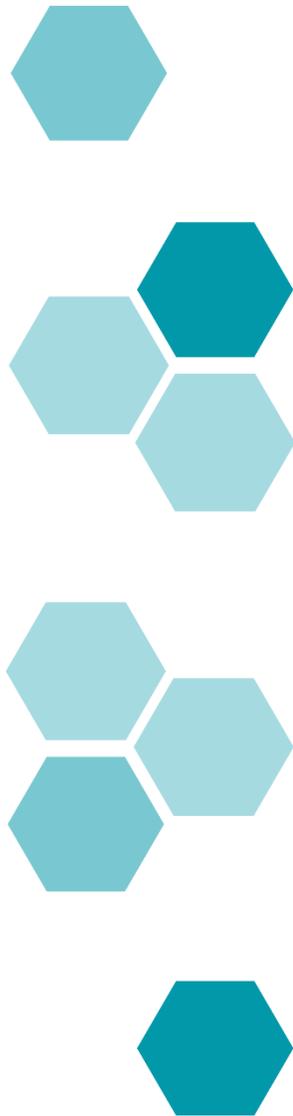


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**WP 3: Pilot studies for quantifying the potential benefits of: 1) ACTRIS compliant NO<sub>2</sub> data provision; and 2) EMEP compliant PM and O<sub>3</sub> data provision**

NILU: Evaluate the added-value for providing O<sub>3</sub> and PM concentrations with higher accuracies

FZJN: Evaluate the **added-value for providing NO<sub>x</sub> concentration** with higher accuracies

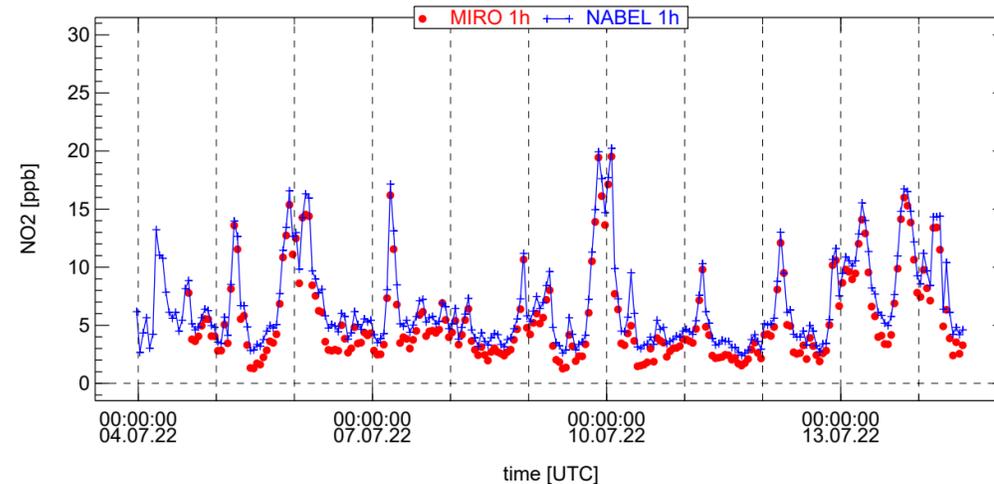


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## Deliverables:

- Task 2131 (CiGas and NILU): Generate a report comparing the data processing schemes of EMEP, ACTRIS and EEA data with existing datasets.
- Task 2132 (CiGas): Generate a report which demonstrates the extra value of the ACTRIS data processing scheme for NO<sub>x</sub> using NO<sub>x</sub> and NO<sub>y</sub> datasets measured at the background site station of Hohenpeissenberg.
- Task 2133 (NILU): Demonstrate the capability of providing EMEP NO<sub>2</sub> and ozone data quality assured using statistical tests on a RRT schedule by selecting 1-2 stations with instrumentation, and assess the improvements as compared to data with less stringent quality assurance.

NABEL-Station Zürich-Kaserne  
Vergleich Stationsinstrumente – MIRO\_0017/Picarro\_LBDS2006



*During the 2022 Campaign, the NABEL NO<sub>2</sub> data exceed the MIRO NO<sub>2</sub> data, when the values are low and the relative contribution of NO<sub>y</sub> is high,*

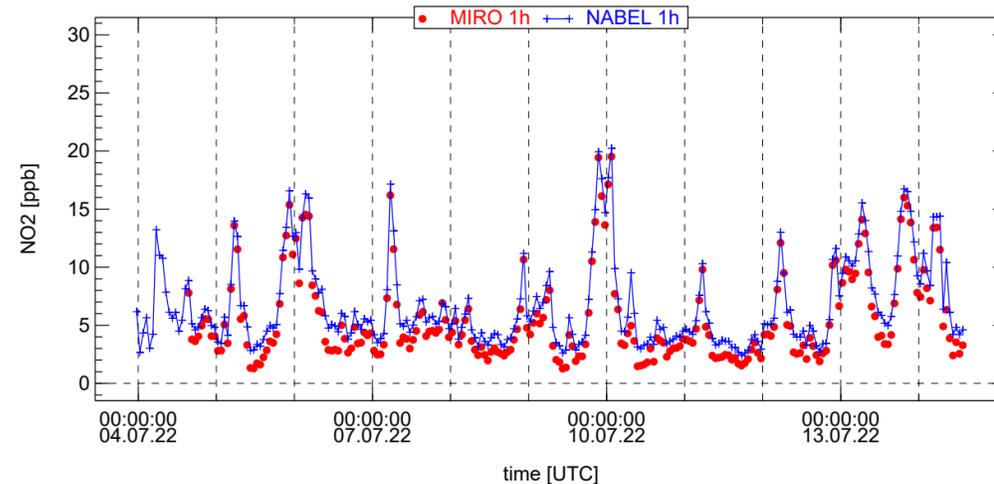
Status: The subcontracts are checked by the legal departments

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# TOWARDS ONLINE DATA

## FZJ

- Will do a Master Thesis in Summer this year
- Transformation the Code for Data Correction at FZJ

From IDL into Python

Together with

**Nicolas Pascal** and **Thérèse Salameh**

