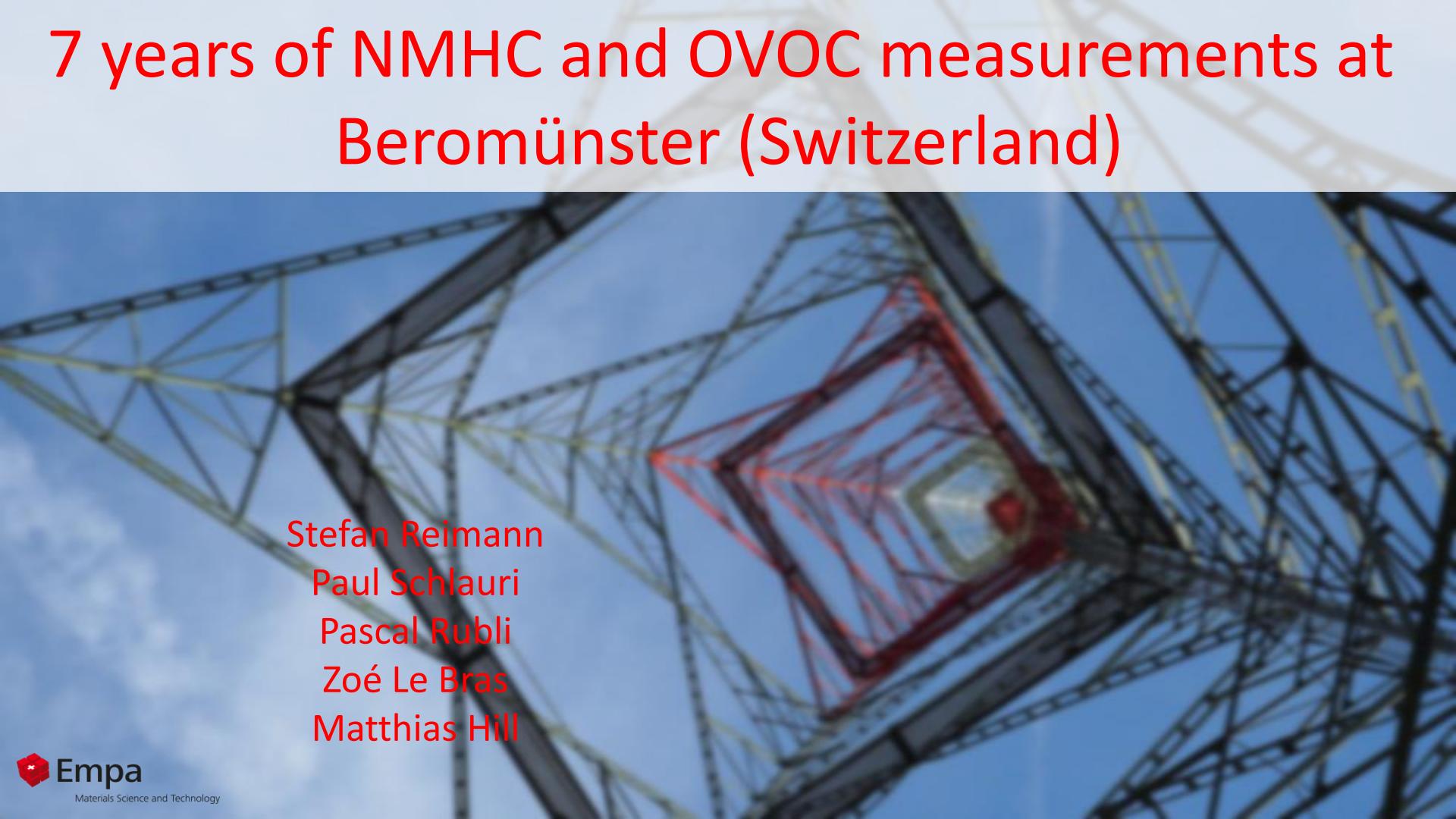
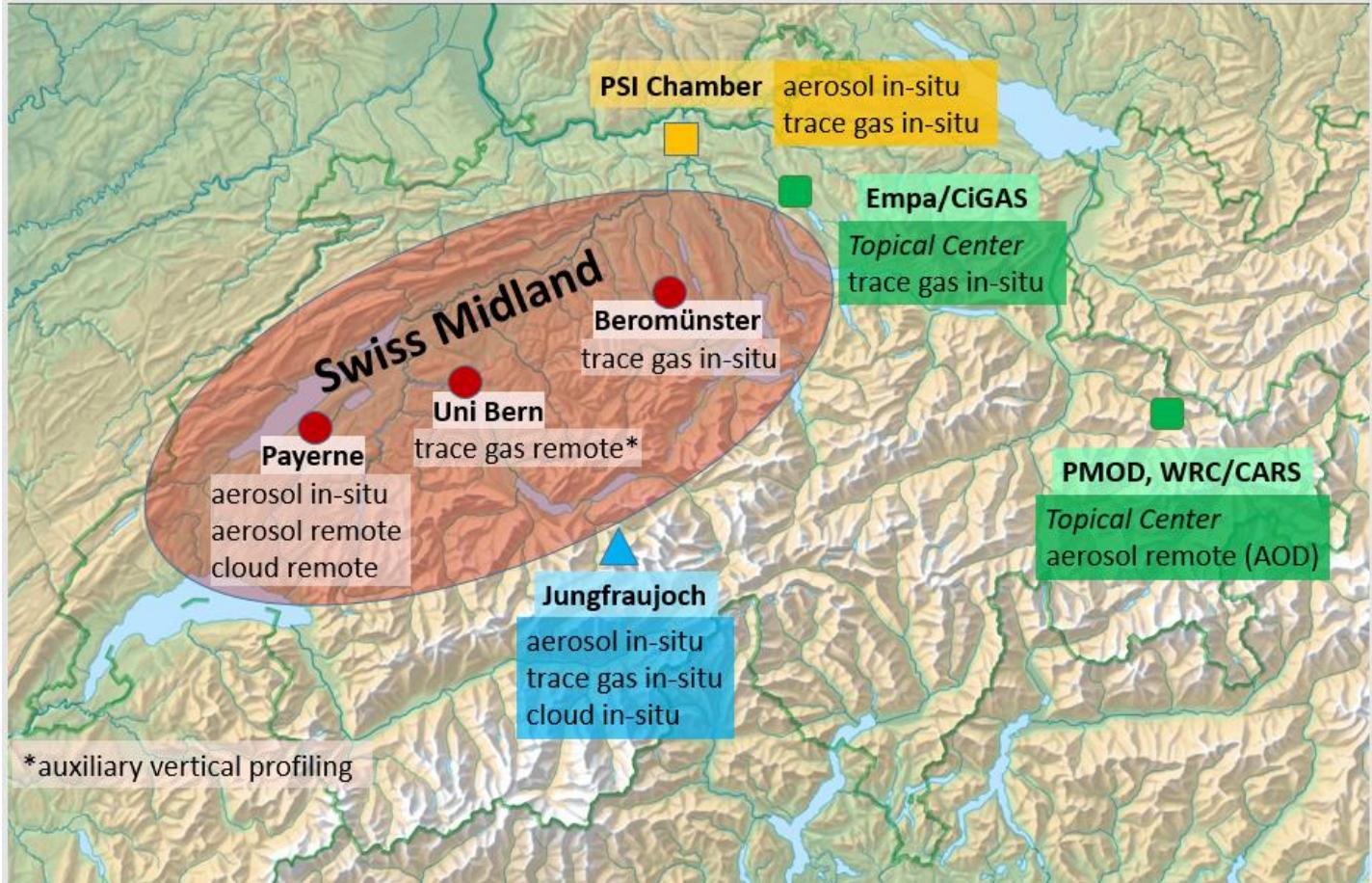


# 7 years of NMHC and OVOC measurements at Beromünster (Switzerland)

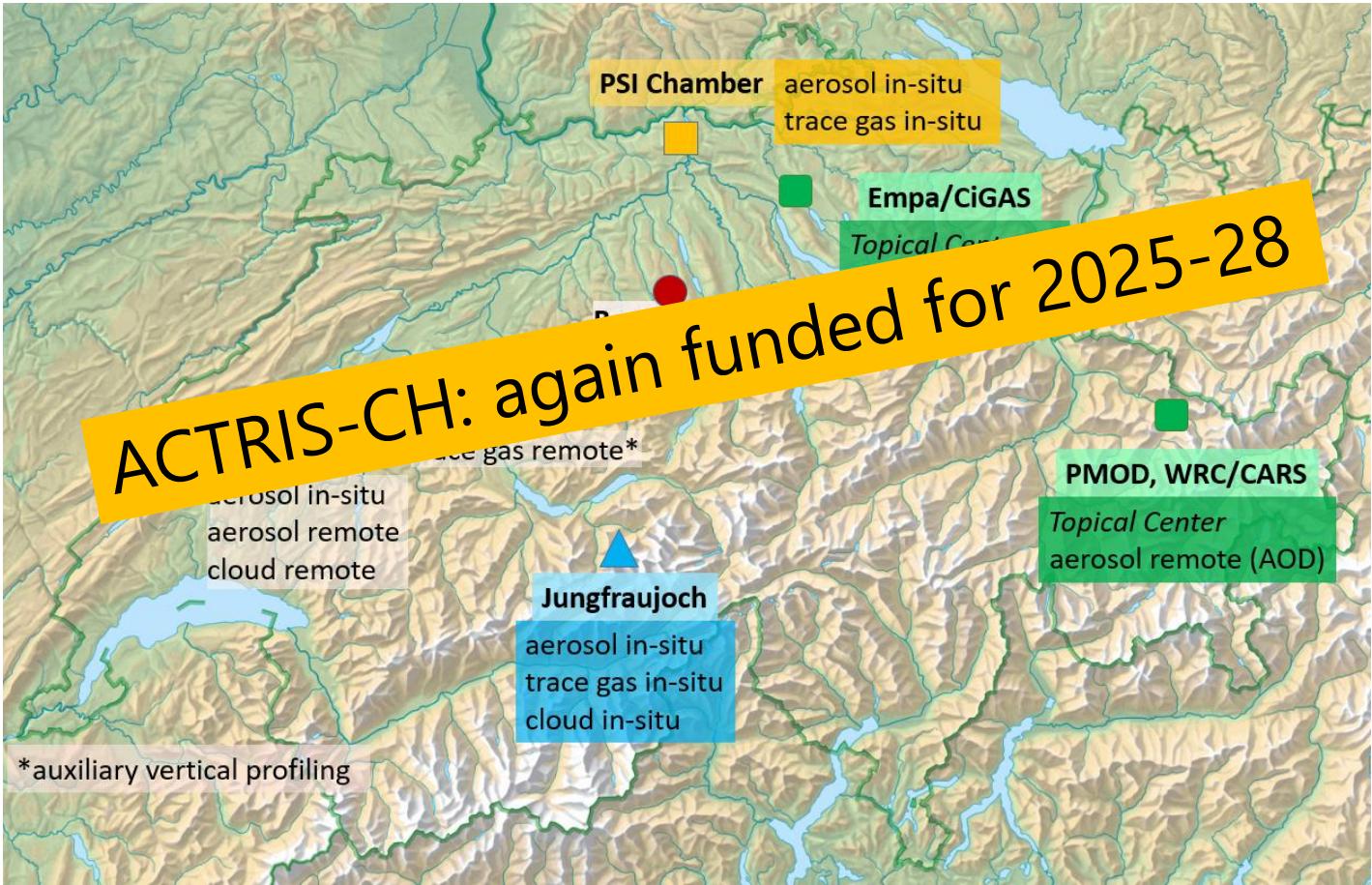
A large metal lattice tower structure against a clear blue sky. The tower has a complex network of black and grey beams forming triangles. A red safety cage is attached to one of the towers, and a small white rectangular box is mounted on it. The perspective is from below, looking up at the towers.

Stefan Reimann  
Paul Schlauri  
Pascal Rubli  
Zoé Le Bras  
Matthias Hill

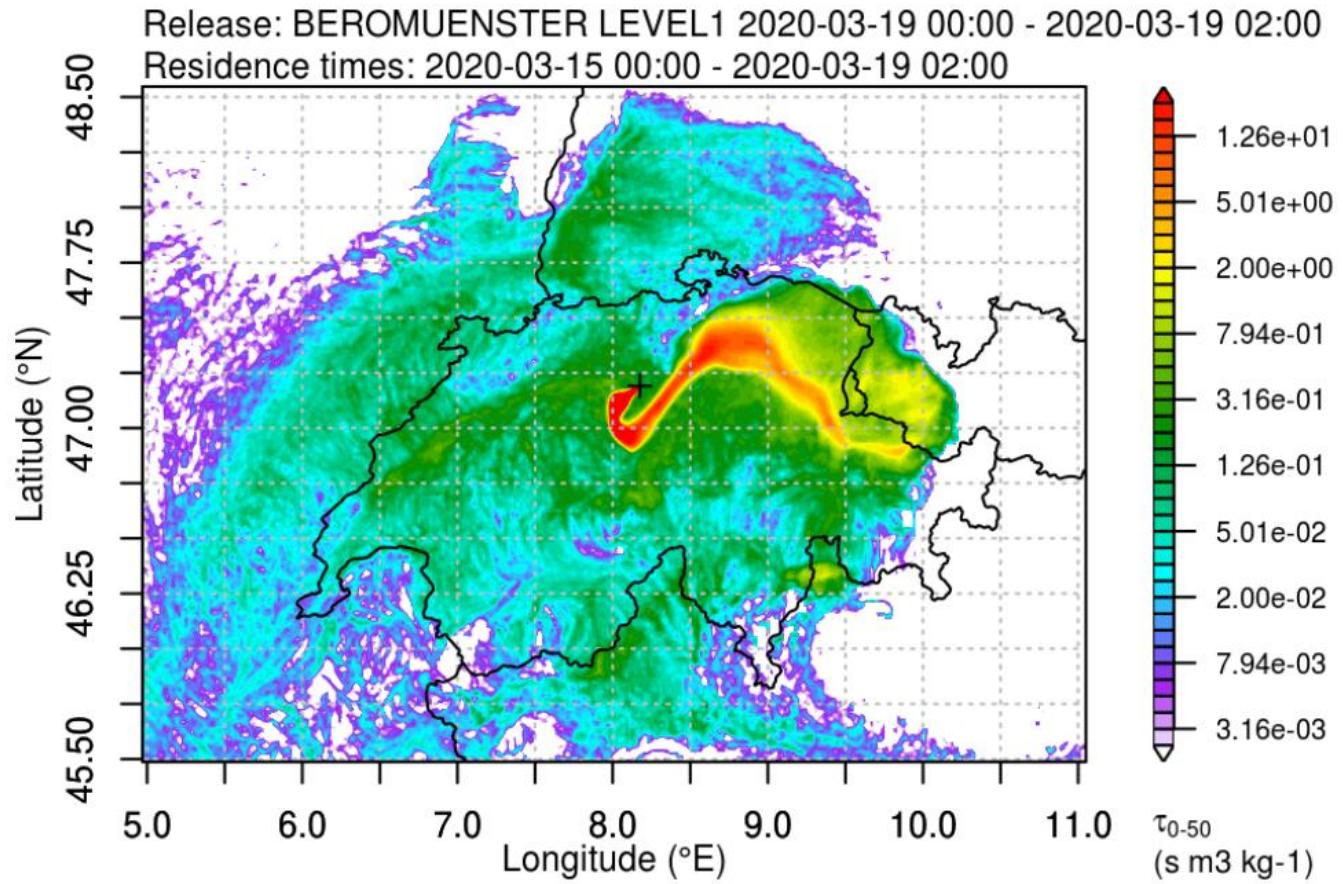
# Beromünster: part of the joint NF (Swiss Midland)



# Beromünster: a NF on its own



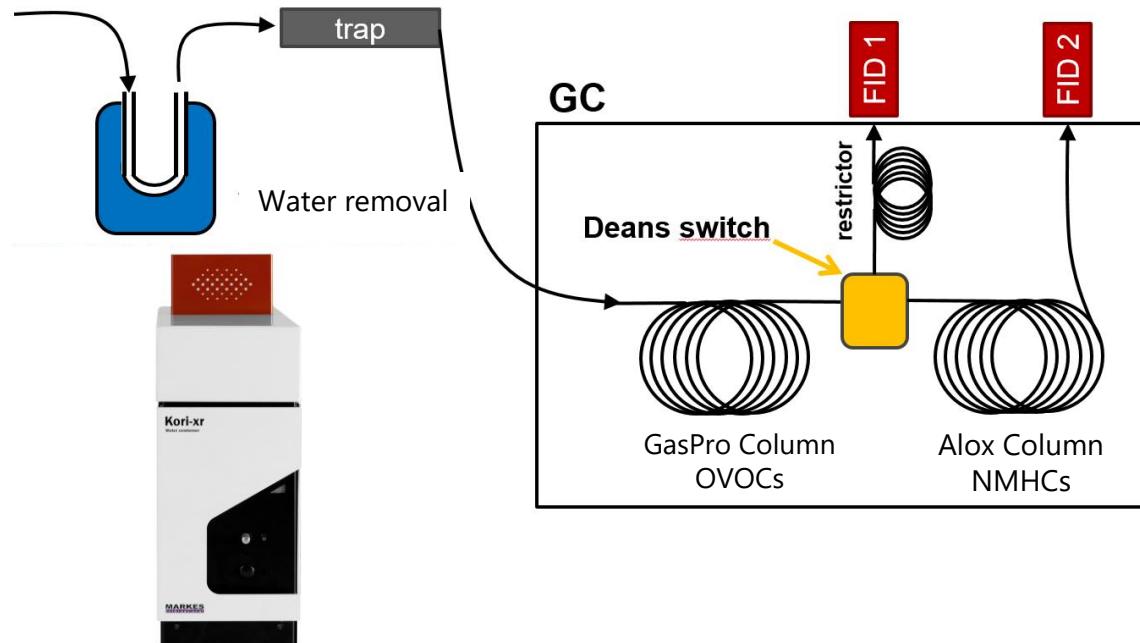
# Beromünster influenced by regional advection



# Two-Channel GC-FID for the analysis of NMHCs and OVOCs



Beromünster since 2018



Since Jan 2025

# Measured species



## NMHCs

Alkanes (C2-C6)  
Alkenes (C2-C3)  
Ethine  
1,3-Butadiene  
Benzene  
Toluene  
Xylenes

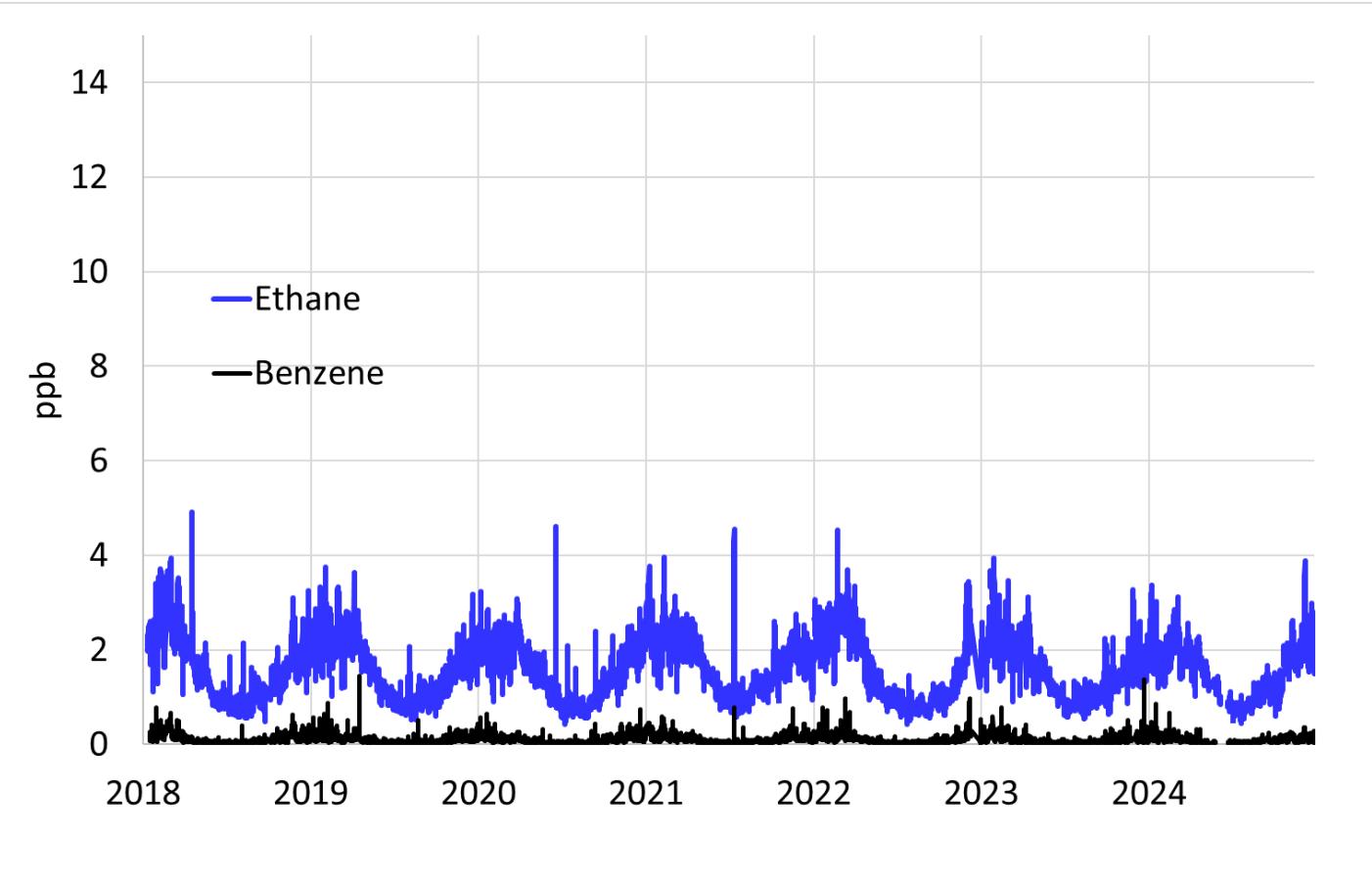
## OVOCs

Methanol  
Ethanol  
Iso/n-Propanol  
Acetaldehyde  
Acetone  
MEK  
MTBE  
Methylacetate

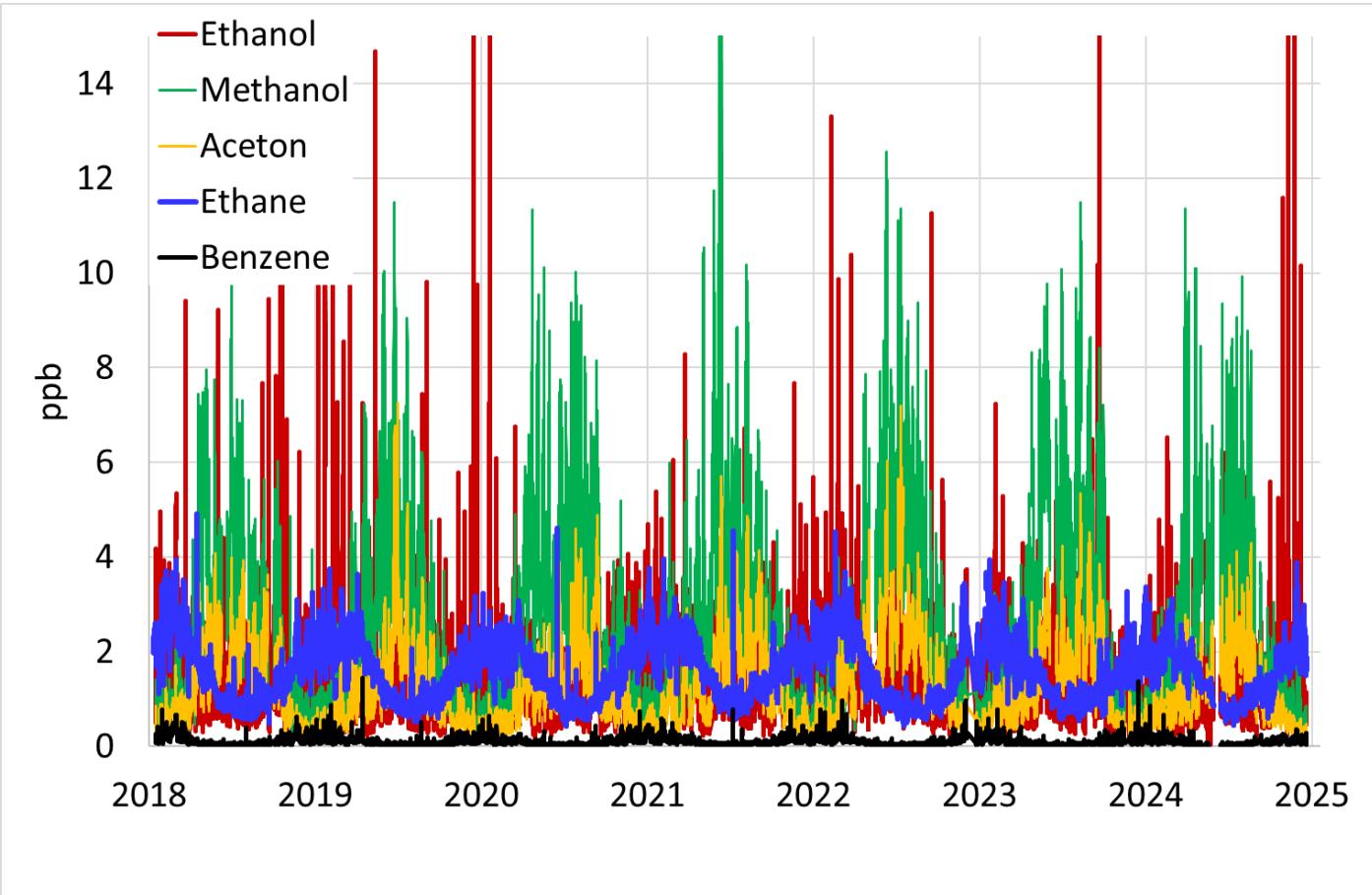
## BVOCs

Isoprene  
 $\alpha$ -Pinene  
Limonene

# Importance of VOCs vs. OVOCs (2018-2024)



# Importance of VOCs vs. OVOCs (2018-2024)



# Importance of VOCs vs. OVOCs (2018-2024)



VOCs  
OVOCs

