

NF labelling and evaluation

New scientific and technological developments

Scope: Trace gases of interest

Trace level: ppt to ppb; lifetime up to 1-2 months

Observational sites

Category	Variables	Interest	
NMHCS	alkanes, alkenes, alkynes, aromatics,	Primary anthropogenic processes; O ₃ & SOA precursors	 Source apportionment; Trends in
OVOCs	formaldehyde, acetaldehyde, acetone, methanol, MEK, MVK, MACR,	Primary & secondary compounds; anthropogenic & biogenic; oxidation products; SOA precursors	
BVOCs	isoprene, pinenes, limonene, d3 –carene, 1,8 cineol,	Mainly biogenic; SOA precursors	
NOx	NO, NO ₂	Combustion tracers; local vs. regional; O ₃ precursors	

Direct aerosol precursors & HOVOCs

e.g. sulfuric acid, iodine oxide, isoprene hydroxy hydroperoxide, etc.

SOA precursors

Health issues

Simulation chambers

Multi-gas generation systems & intercomparison platform













