

ST5: Protocol for measurements of ambient concentrations of Volatile Organic Compounds (VOCs), with instrumental and operational guidance and recommended species to be analyzed to study O₃ and Secondary Organic Aerosol (SOA) precursors.

The linked resources for this ST include:

- 1) RI-URBANS general guideline document on non-regulated air pollutants:
D1 (D1.1) Guidelines, datasets of non-regulated pollutants incl. metadata, methods
https://riurbans.eu/wp-content/uploads/2022/10/RI-URBANS_D1_D1_1.pdf
Particularly section 6.
- 2) Measurement guidelines are being further elaborated within ACTRIS Central Facility on in-situ trace gases: <https://www.actris.eu/topical-centre/cigas>

Scientifically this ST5 links in 't Veld (2023c): <https://doi.org/10.1016/j.scitotenv.2023.167159>, on the identification of volatile organic compounds and their sources driving ozone and secondary organic aerosol formation in NE Spain, and Liu et al. (2023), which is under progress.