

Workshop MACPoll for Ambient Air monitoring

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Metrology for Chemical Pollutants in Air

EMRP "Environment call"





- Improve metrological traceability and comparability of measurement results in current air nonitoring techniques
- ✓ Set-up metrology infrastructure for upcoming sensor technology

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MACPoll & ambient air

✓ Improve preparation and comparability gas standards for NO, NO₂ and SO₂ at Limit Values (EU AQD) using dynamic methods



✓ Develop new measurement techniques for the determination of impurities in zero gas relevant for the measurement of reactive pollutants and validate purification systems



✓ Develop graphene-based sensors for air monitoring



✓ Set-up a validation programme for sensors to demonstrate their suitability in air monitoring





MACPoll & Indoor air

Develop (certified) reference materials for the measurement of (semi) volatile organic (hazardous) compounds – VOC emitted by building products

- ✓ Preparation of transfer standards in sorbent tubes
- ✓ Preparation of "diffusion-controlled" reference materials for the quality control of emission test chambers





