

# Quality assurance / closure studies for particle number concentration measured by mobility spectrometers

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Member of



**TROPOS**

Leibniz Institute for  
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# Onsite Intercomparison with an additional CPC

- TSI CPCs model 3772 are provided by following institutes:
  - PSI
  - UHEL
  - CNRS
  - NILU
  - TROPOS
- The CPCs will be circulates twice per year in a regional sub-network to be compared to the MPSS
- After each circulation, the CPCs will be checked and calibrated at the WCCAP
- Particle number concentrations and size distributions are sent to TROPOS for evaluation.

# Regional sub-networks

## Germany:

**L-West, L-Mitte, L-TROPOS, L-Eiba, Melpitz** (One reference-SMPS intercomparison once per year)

**DDN, DDWi, ANA** (total CPC onsite, four reference-SMPS intercomparisons once per year)

**MOHp, UBA-Neu, UBA-Wald, UBA-Schau, UBA-Zugspitze**  
(Two reference-SMPS intercomparisons once per year)

# Regional sub-networks - proposal

## **TROPOS-CPC:**

MEL, KOS, CBW, VIE, USTI, SUD

## **UHEL-CPC:**

HYY, VVH, PAL, KPU, NOR (new)

## **PSI-CPC**

JFJ, CIEMAT-MAD, MTS, GRA, ARE

## **CNRS-CPC**

PDD, SIRTA, FIN, DEM, JRC, CYP

## **NILU-CPC**

BIR, MHD, AUCH, (other UK?), Izana