

STRATEGY OF ACSM INTERCOMPARISON

- 1) Instrumentation / Suggestions / Discussions
 - One common PM2.5 inlet at each table (groups of 4 ACSMs)
 - Everybody should bring its own dryer !
 - update newest DAQ version BEFORE the intercomparison
 - 3 LPM for each ASCM → Everybody should bring its own pump !
 - Sirta SMPS took part of TROPOS intercomparison last week
 - No ACSM start-up (pumping) before ARI arriving

- 2) CPC intercomparison
 - use single CPC for all the calibrations
 - If possible calibration with different particle sizes (300, 400, 500 and 600 nm) → lens transmission

- 3) Calibration for each instrument
 - 1 separate atomizer for each (NO₃, SO₄, ORGANICS) → mixture of organics to be prepared by ARI
 - NO₃ calibration, m/z resolution, lens alignment, flow calibration → all these calibration to be done BEFORE shipment if possible
 - also check filter for clogging

- 4) Data exportation / treatment
 - Loading on FTP the raw files of each instrument - possibly synchronize data folder with FTP with a program like Fling (<http://www.nchsoftware.com/ftp/index.html>)
 - Quick look of the 13 ACSM every day on Dropbox
 - Each participant should use its own PMF Tool