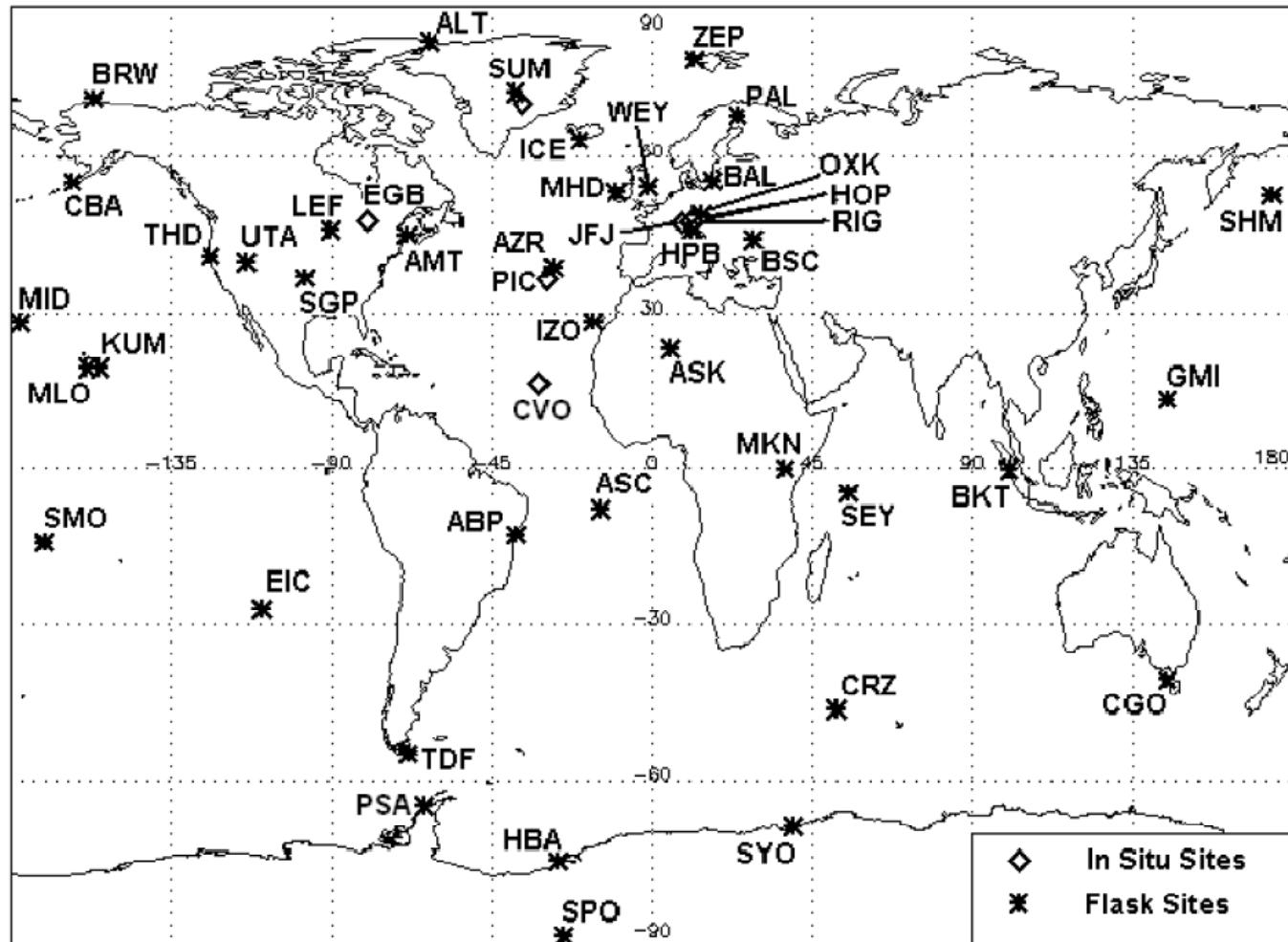


QA/QC in the VOC-Network in WMO GAW:Status of SOP

Rainer Steinbrecher
Elisabeth Weiß

The GAW-VOC Network in 2010



Helming, D., Bottenheim J., Galbally I.E., Lewis A., Milton M., Penkett S., Plass-Duelmer C., Read K., Reimann S., Steinbrecher R., Tans P., Thiel S. (2009): The WMO-GAW Volatile Organic Compound Program *Eos Trans. AGU*, 90(52), 513–514.

<http://imk-ifu.fzk.de/wcc-voc/>



SAG
Reactive Gases
Malta

Umwelt
Bundes
Amt
Für Mensch und Umwelt

KIT – University of the State Baden-Württemberg and
National Research Center of the Helmholtz-Association

Current status for sampling procedure:

- SOP for canister sampling



the GMD-Protocol for glass flasks:
to be adopted by GAW?



the GAW-Protocol for stainless steel flasks:
to be updated?

World Calibration Center for VOC (WCC-VOC)

SOP for Sampling with Canisters



Fraunhofer
IFU
Institut
Atmosphärische
Umweltforschung

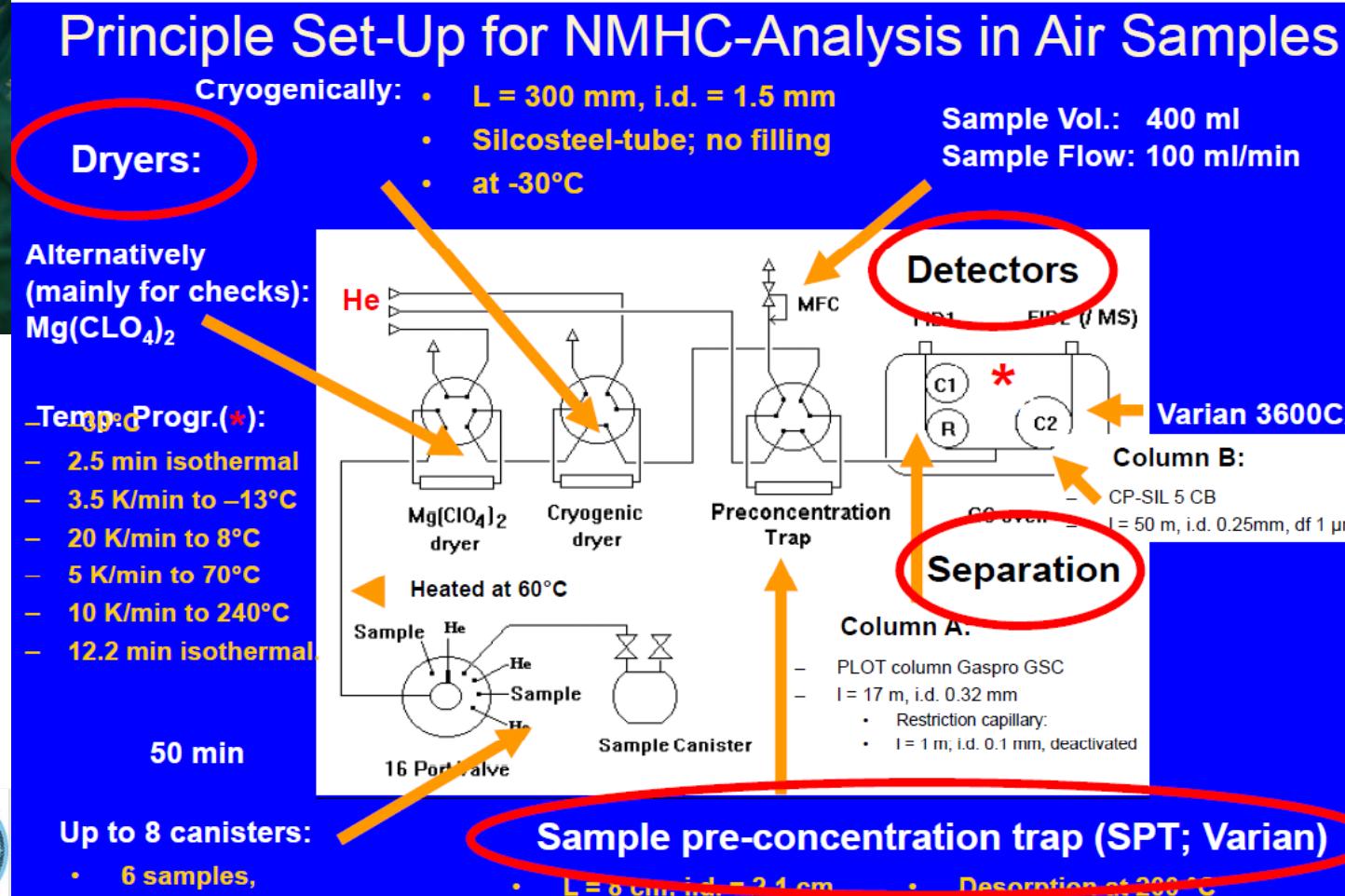
UBA

Other techniques?

Current status of SOP for VOC analysis:



- Very complex set of compounds requiring different approaches for analysis.
- How to formalise?



Current status of SOP for VOC analysis:

- No SOP available but some methods published for analysing different set of compounds in air samples, e.g. NMHCs, monoterpenes, oxyVOC (see WMO-GAW report 171)

General Questions:

How to formalise for GAW-VOC?



- one comprehensive SOP for analysis of all GAW-VOC targets?
- Several compound or compound-set specific SOPs?
- Plans in ACTRIS?
- Time-line?