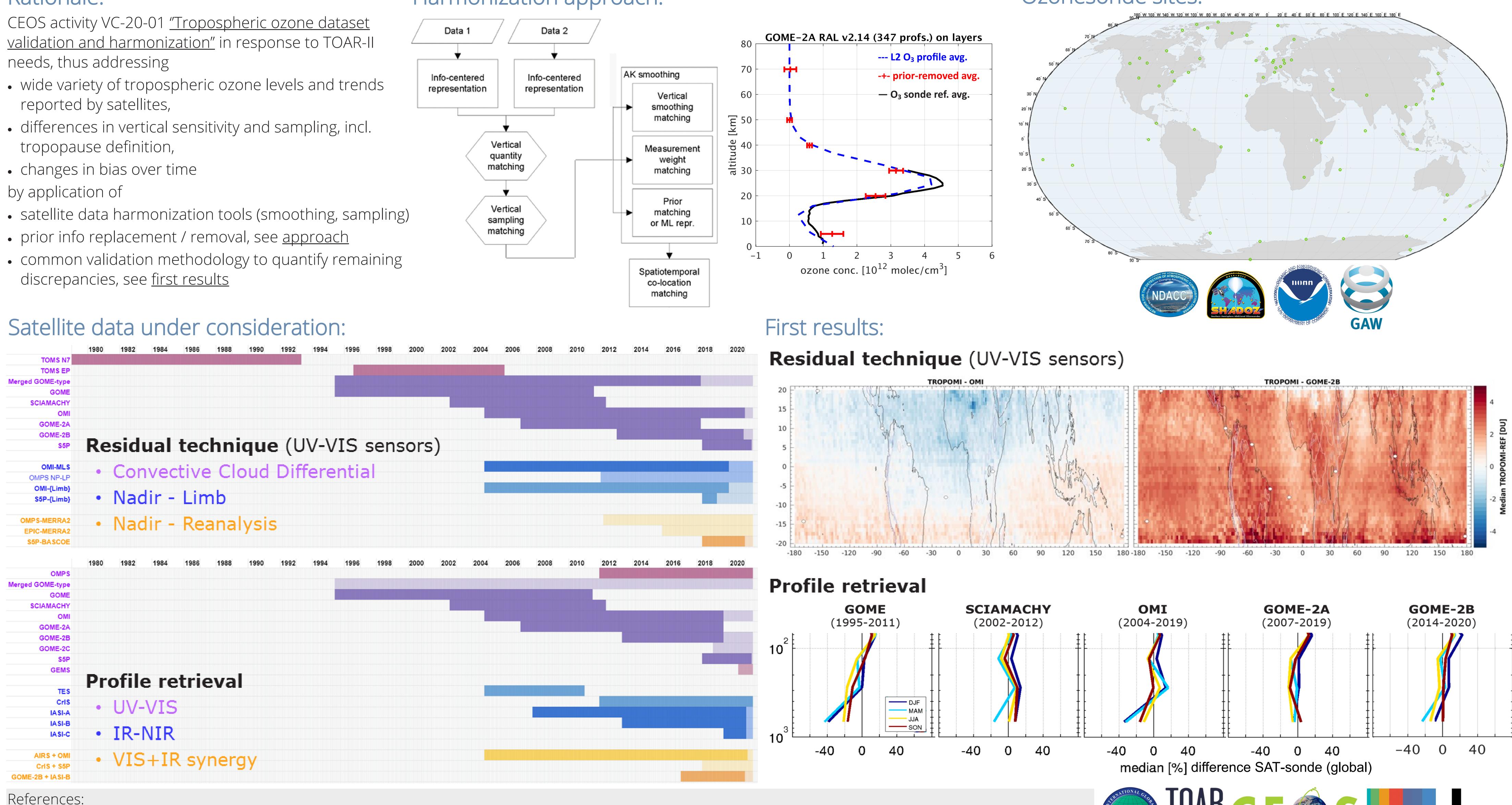


### Rationale:

- reported by satellites,
- tropopause definition,

- discrepancies, see <u>first results</u>

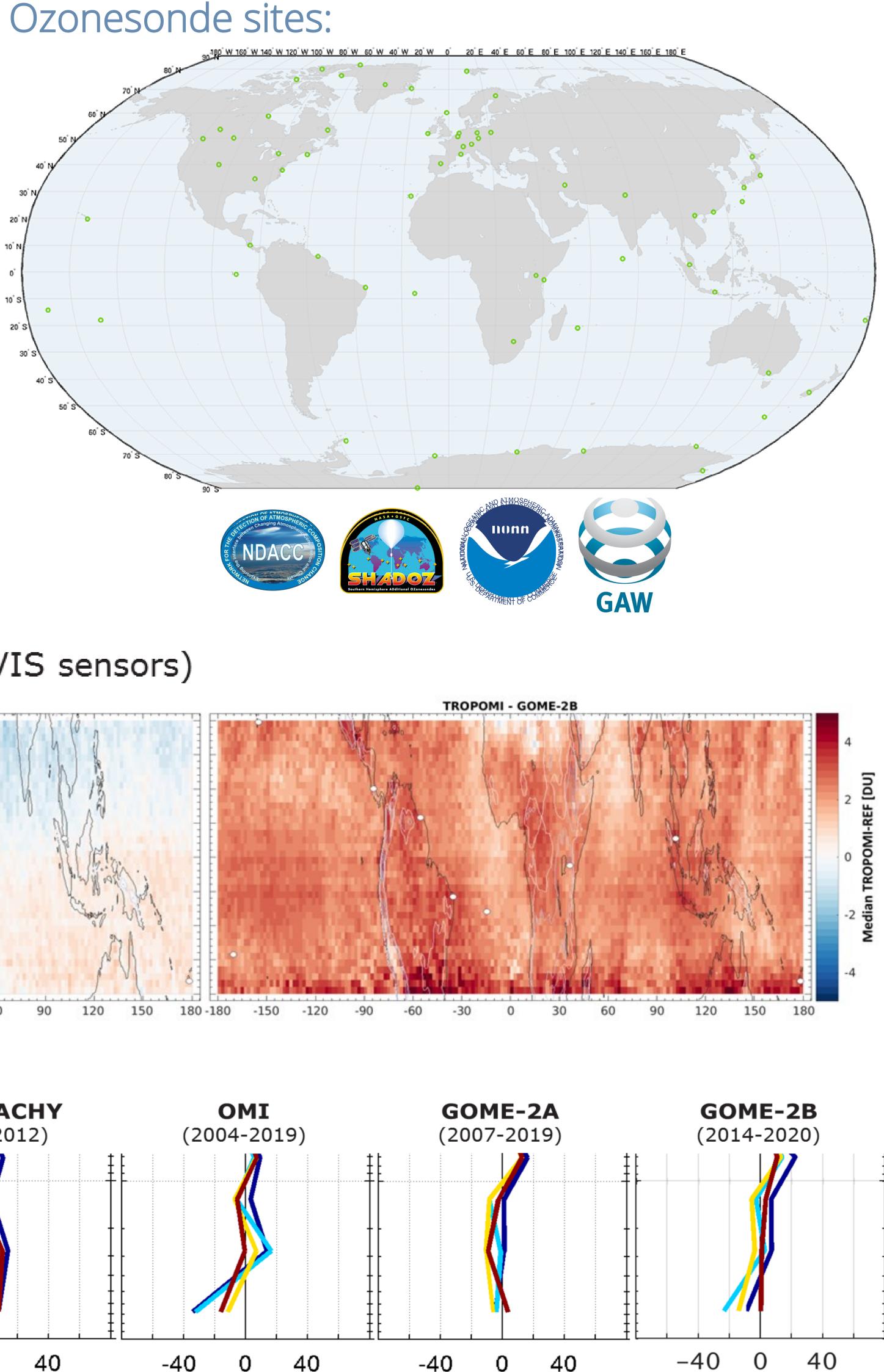


Keppens, et al. Harmonization and comparison of vertically resolved atmospheric state observations: methods, effects, and uncertainty budget, AMT, 2019. Hubert, et al. TROPOMI tropospheric ozone column data: Geophysical assessment and comparison to ozonesondes, GOME-2B and OMI, AMTD, 2020.

# Vertical Harmonization of Satellite Ozone Data Records for the IGAC Tropospheric Ozone Assessment Report (TOAR-II)

Arno Keppens (arno.keppens@aeronomie.be), Daan Hubert, Jean-Christopher Lambert (BIRA-IASB); Klaus-Peter Heue, Diego Loyola (DLR); Pierre-François Coheur, Catherine Wespes (ULB); Roeland Van Malderen (KMI-IRM)

## Harmonization approach:



IGAC

assessmen report

