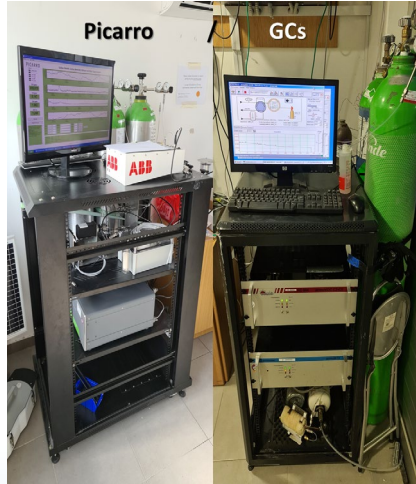


Methane and non-methane hydrocarbons concentrations and sources in an Eastern Mediterranean Island (Cyprus)

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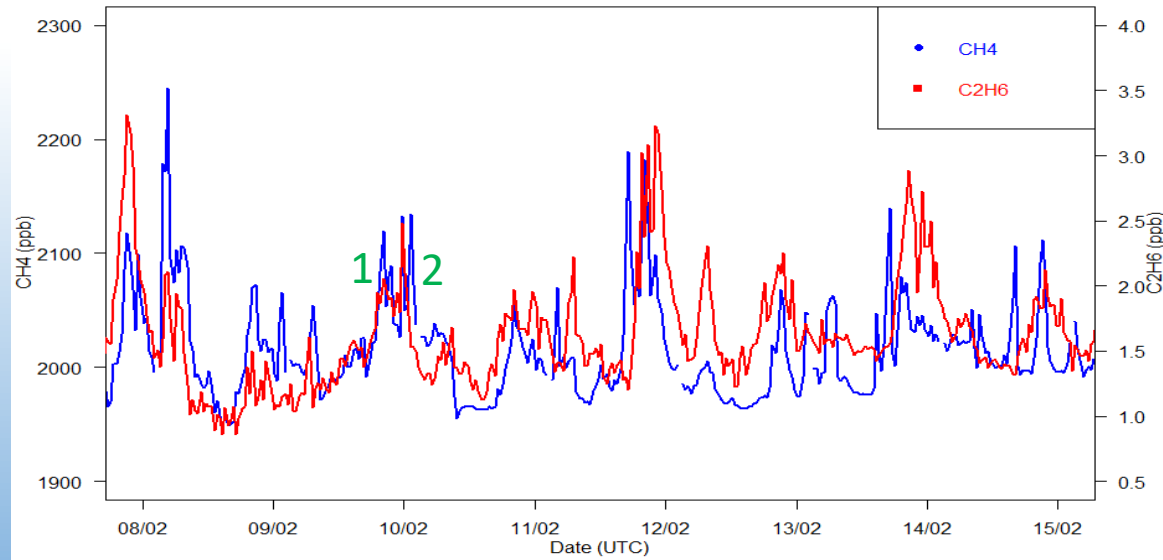


Objective: Improve estimates of local and regional anthropogenic methane sources by using combined NMHC measurements, C2 to C12 and especially light alkanes (Ethane, Propane, I/N-Butanes, I/N-Pentane, ...)



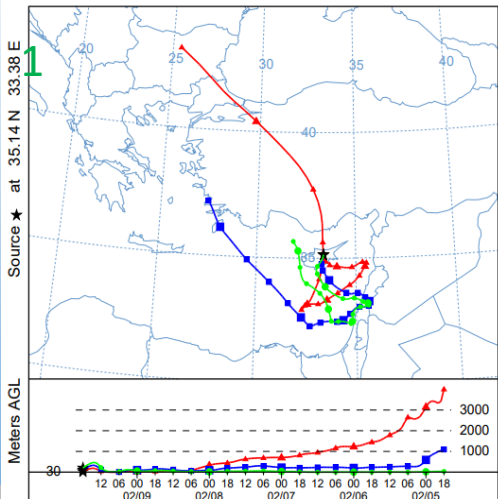
Measurements in Nicosia since February 2021 Installation on the roof of The Cyprus Institute at a background suburban site (inlet altitude: 192m).

Methane and Ethane



→ One or more co-emitting sources of methane and ethane in the Eastern Mediterranean region

NOAA HYSPLIT MODEL Backward trajectories ending at 1800 UTC 09 Feb 21 GDAS Meteorological Data



NOAA HYSPLIT MODEL Backward trajectories ending at 0000 UTC 10 Feb 21 GDAS Meteorological Data

