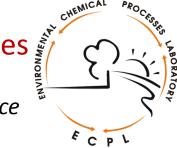


Maria Kanakidou: Other ECPL-UOC, TM activities

Environmental Chemical Processes Laboratory (ECPL) Department of Chemistry, University of Crete, Heraklion, Greece



Chemistry relevant improvements

- 1. POA volatility, Improve IVOC + SOA
- 2. OA ageing by OH
- 3. Interactive dust source?
- 4. Heterogeneous reactions *organics et al* on aerosols (dust) → changes in aerosols composition + oxidants
- 5. Js

Biogeochemical cycling (TM4) – link organics to metals & nutrients

ONGOING projects CITYZEN (CIRCE-EUCAARI ending this year)

- 1. Zoom over the Mediterranean no model development \rightarrow TM4 + WRF-CHEM/CMAQ
 - impact to AQ, deposition, radiative forcing
 - climate impact to all above
- 2. J-fast with WRF-CHEM \rightarrow impact of aerosols on Js \rightarrow on chemistry
- 3. TM4 interannual 10 years (old run for AEROCOM EUCAARI; new run for CIRCE+ CITYZEN?)

NEW projects – (TM4 ?) :

1. PEGASOS – interannual global simulations (updated chemistry with heterogeneous reactions) → oxidant changes + feedbacks + regional contrast