

# Summary Day 1

- Mesurement → sensors, passive samplers, new parameters – challenges & uncertainty, biomonitoring, mobile monitoring
- Inventories
  - anthropogenic emission → VOC – IVOC/SVOC, POA, specific activities, PAH
  - Biogenic emissions – satellite based LAI, observation driven parameterisations
- Chemical mechanism → chem reactions to cover the gap, gas/aero partitioning, SIA, SOA/condensables, further development of aerosol processes, aerosol water content for sea salt
- Natural contributions – measurement based dust and

# Summary Day 2

- VOC campaigning results – how to continue with the regional models grouping hydrocarbons, OH reactivity measurements
- SA for BC / carbonaceous aerosol → in the context of AQ Plans; measurements + FLXPART analysis
- Dust – need for more observational data including profile measurements
- Microplastic
- Obs based correction for SA → sensitive
- Climate impact on air quality
- GP revision – regional approach

# Measurements – challenges and needs

- LC sensors and mobile monitoring; could it become „indicative“
- New parameters – methodological challenges
- Uncertainty assessment
- Use of biomonitoring
- Harmonisation of microplastic measurements
- More dust observations
- Emission measurements (condensables, biogenic emissions)
- PFAS campaign

# Modelling – challenges and needs

- Emissions
  - Biogenic emissions – large uncertainty
  - Anthropogenic emissions – VOC components, aerosol components
  - Fire emissions (list of species, injection height)
  - Source functions for natural emissions
- Model formulation
  - Secondary aerosol production
  - VOC reactivity
  - Aerosol water content
  - Deposition processes
  - Additional reactions
  - Linking the scales
  - SA techniques

# General comments

- Involvement of Parties less active
- Exchange on AAQD as a support for JRC
- Scenario analysis – closer collaboration with TFIAM
- New instruments including satellites
- „Perfect model” vs. „fit for purpose” model
- Invitation from Barcelona for 2027