

# CT1 - Source apportionment in support AQ management

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# Guidance document on SA



- Source apportionment guidance document published as JRC technical report (July 2020)
- Includes detailed considerations on methodological and on fit for purpose aspects.
- Support the e-reporting process
- Support regions and cities in their SA estimates.
- Support to CEN

# SA Guidance: open issues

- Distinction between linear and non-linear pollutants
- Distinction between source identification (qualitative) and apportionment (quantitative)
- Source apportionment to support the ex-post assessment of AQP

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- Use of RM to improve model based approaches: the case of OA

# OPEN ISSUES

## Use of RM to improve model based approaches: the case of OA

- *Can RM results be used to validate/improve SA results with Source oriented Models?*
- *Can RM results be used to improve OA description in SA for air quality plans?*

### **CT1 – Source apportionment (2.5h) 01/10 09:00 – 11:30**

09:00 -- 09:05 Welcome (G. Pirovano)

09:05 – 09:15 Status of the source apportionment activities and agenda (A. Clappier)

**09:15 – 09:30 Source apportionment of organic aerosols: current issues (S. Gilardoni)**

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- Distinction between linear and non-linear pollutants
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- Extension to other pollutants

# OPEN ISSUES

## Extension to other pollutants

- *Can we and do we have experience in using receptor models for NO<sub>2</sub> and/or O<sub>3</sub>?*
- *Are there examples of using incremental methods for NO<sub>2</sub> and/or O<sub>3</sub>?*
- *How can we translate our current recommendations on PM for O<sub>3</sub> or NO<sub>2</sub> for tagging*

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- **09:30 – 10:35 Source apportionment of NO<sub>2</sub> – (break-out sessions) (G. Pirovano)**

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- Distinction between linear and non-linear pollutants
- Distinction between source identification and apportionment
- Source apportionment to support the ex-post assessment of AQP
- Use of RM to improve model based approaches: the case of OA
- Extension to other pollutants
- **Combined source allocation / tagging approach to support planning**



# OPEN ISSUES

## Combined source allocation / tagging approach to support planning

- *Impacts are dynamic but are very resource-demanding. On the other side, tagging methods are not dynamic but are extremely efficient from the computational point of view.*

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**10:35 – 11:20 Complementarity of Impact and tagging based methods (break-out sessions) (A. Clappier)**

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- 10:35 – 11:20 Complementarity of Impact and tagging based methods (break-out sessions) (A. Clappier)
- 11:20 – 11:30 Conclusions and future steps**

Back to overall agenda

Day 1 (30/09)

Day 2 (01/10)

Day 3 (02/10)