

CEN TC264/43: Modelling quality Objectives

Status and next steps

Technical specifications (TS): status

- Aligned as much as possible with AAQD2024 in terms of terminology and concepts (e.g. sampling points, indicative and fixed measurements...)
- Addresses all AAQD pollutants (PM_{2.5}, PM₁₀, NO₂ and O₃ as normative, others as informative) from both short and long-term averages
- Include options to use both fixed and indicative measurements
- The dependence of measurement uncertainty on concentration is derived from AQUILA / JRC estimates

TS: Time schedule

- Feb 25: TC consultation
- Aug 25: CEN Voting process
- Nov 25: Final publication

TS: Remaining challenges

- Minimum number of sampling points
- Assess the robustness of uncertainty/concentration relationship
- Defining an appropriate level of stringency for the MQO
- Data coverage for both fixed and indicative measurements
- Generalise the MQI/MQO formulation to all AAQD species
- Complementary indicators and visualization
- Data assimilation and data fusion

Pre-normative work: Service Contract Study to Support the establishment of a European standard (EN) on MQO

- Task 1: Develop an **open-source tool**
- Task 2: Collate a database of **datasets**
- Task 3: Robustness of **measurement uncertainty** parameters
- Task 4: **Stringency** of the MQO
- Task 5: **Data requirements** for measurement data
- Task 6: Testing of **data driven modelling systems**



Pre-normative work: expected interactions with FAIRMODE

- Data sets for testing & benchmarking – heavy metals, BaP, PAH... (Q2-Q3, 2025)
- User testing of open-source R-software package (Q3 2025)
- Survey on data driven modelling system (Q2-Q3, 2026)

- Timing: 01/2025 → 12/2027

Note on Delta, Delta-Light and WG43 tools

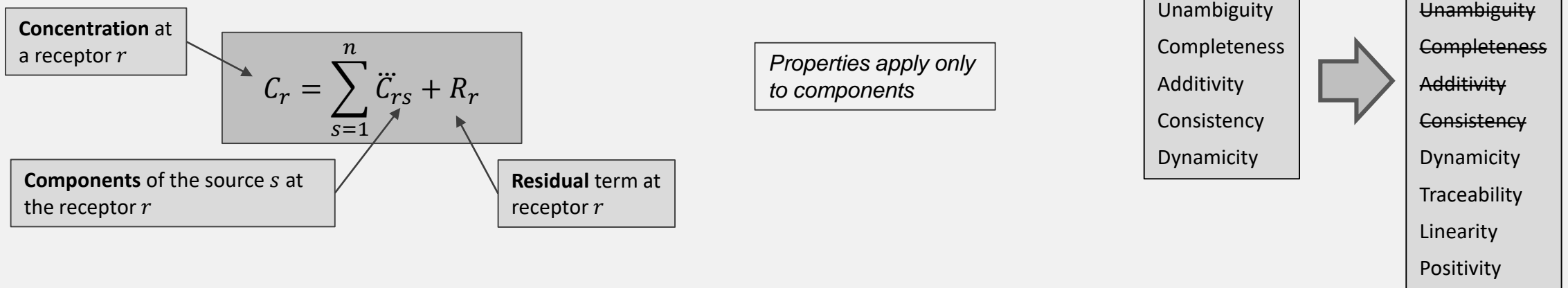
	DELTA	DELTA-LIGHT	WG43
Graphical options	Extended	Light	Restricted to MQI/MQO
MQI/MQO	FAIRMODE	FAIRMODE /CEN/AAQD	CEN
Language	IDL	IDL	Open source R
Future steps	To be phased out	Convert to R and link to WG43 tool	Reference

CEN/TC264/WG 44: Source Apportionment



Main task: Drafting of technical specifications (TS), widely inspired by the FAIRMODE guide on Source Apportionment.

Step 1: Adapt the definition of a source apportionment method and simplify the associated properties.



Step 2: Explain the complementarity between SA methods using their properties in order to design a usage protocol.

Thank-you