

CEN /TC 264 / WG43

Ambient air – Modelling Quality Objectives

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ILMATIETEEN LAITOS
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Current participation

43 members from 15 countries

Austria, Belgium, Denmark, Finland, France, Germany, Jordan, Netherlands, Norway, Poland, Portugal, Spain , Serbia, Sweden , UK

organisations: JRC, ECOS

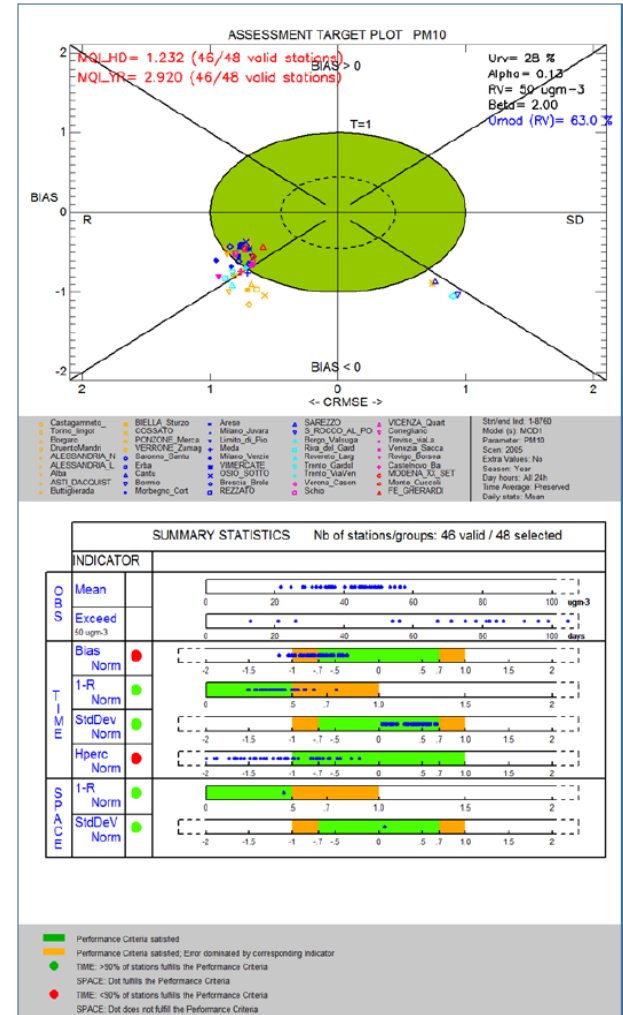
Assessment: “reasonable” European participation..

BUT , new active contributors/countries always welcome !

Aim & scope

- Aim: Define the methodology for calculating:
 - MQOI = Modelling quality objectives
 - MPI = Modelling performance indicators

- Scope: Strictly in the context of AAQD!
 - PM_{2.5}, PM₁₀, NO₂, O₃
 - All concentration ranges & spatial scales



Meetings , reports , proposal

- Dusseldorf 2015-> Aveiro 2019 (9 "real" meetings + 1 web meeting)
- Status now:
 - CEN/TS , Technical specification: "Ambient air – Definition and use of modelling quality objectives for air quality assessment"
 - Validation - Project proposal : work needed for testing /evaluating of the proposed methodology



Open issues

Close connection to Fairmode work

- spatial representativeness of measurements
- MGO with fusion/data-assimilation models
- number of monitoring stations required (can we define an absolute minimum?)
- in general: data requirements (quality/temporal resolution & coverage etc..)

=> Practical implementation of the standard

Validation project

waiting for mandate !

- Open source (R) delta-software
- Measurement uncertainty assessment (incl. stringency)
- Requirements for measurements
- Requirements for data driven models