



ECRAN Air Quality Modelling Workshop

Results of the questionnaire

Modelling questionnaire

- Status of AQ modelling
- Main objectives of possible future modelling activities
- Geographic domain
- Available input data
- Available resources

Current use of models in BC

| | AL | ME | MK | RS | TR |
|--|--|---|--|--|---------------------------------------|
| Current use | - | - | UDM-FMI and CAR-FMI SILAM | - | CMAQ |
| Pollutants | CO, NO _x , PM ₁₀ , PM _{2.5} , SO ₂ | BaP, PM ₁₀ , PM _{2.5} | NO _x , PM ₁₀ , SO ₂ | NO _x , O ₃ , PM ₁₀ , SO ₂ | AQD pollutants |
| Emissions | Industry and power plants | national, LRTAP pollutants | Traffic, industry, power plants (NO _x , PM _{2.5} , SO ₂) | national level (SO ₂ , NO _x , PM ₁₀) | CMAQ species on 1x1 km ² |
| Meteorology | observations | no info | observation, pre-processed | observations, Hydromet. Service (RHMS) | pre-processed data from other sources |
| Budget (personnel / direct costs) | 3-4 people / 50,000€ | 0 / 0 | 1 / 0 | ½ / 0 | 5 + 7*4 / no info |

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Objectives of modelling

| | current / future main objectives | | | | |
|---|----------------------------------|----|--------|--------------|--------|
| | AL | ME | MK | RS | TR |
| Spatial distribution | y | y | y / y | y | no / y |
| Compliance? | y | y | y / y | y | no / y |
| Forecast, information | y | y | y / y | y | no / y |
| Analysis sources, source apportionment | y | y | no / y | y | no / y |
| Scenarios | y | no | no / y | no (for now) | no / y |
| Impact of measures | y | y | no / y | y | no / y |
| Permitting / Licencing / Regulatory purposes | y | no | y / y | no (for now) | no / y |
| Exposure assessment | y | y | no / y | y | no / y |

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TAIEX-ECRAN
Regional Workshop on Air Quality Modelling
Ankara ■ 20 – 21 October 2015