

European Network on New Sensing Technologies for Air Pollution Control and Environmental Sustainability - *EuNetAir*

COST Action TD1105

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Research and Innovation Needs of WG3: Environmental Measurements and Air-Pollution Modelling



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AP Measurements and Modelling :

- Pollution problems related to use of woodstoves
- Indoor-outdoor relationships (impact particle size)
- For some pollutants outdoor exposure dominates
- Low cost sensors for personal exposure monitoring
- AP exposure during commuting
- impact of different types of breaks, ventilation rates etc.



AP Measurements and Modelling :

- Combining measurements and modelling in exposure assessment
- Data fusion and data assimilation techniques
- Data gap filling techniques
- Combining routine networks, possible satellite data and model calculations



AP Measurements and Modelling :

- Application of low-cost sensors in studies of schools and other institutions (incl. indoor-outdoor)
- Emphasis of the importance of model of right scale and using high quality emission data
- Use of plants for cleaning indoor AQ? Strong debate on whether these actually remove significant amounts of pollution

