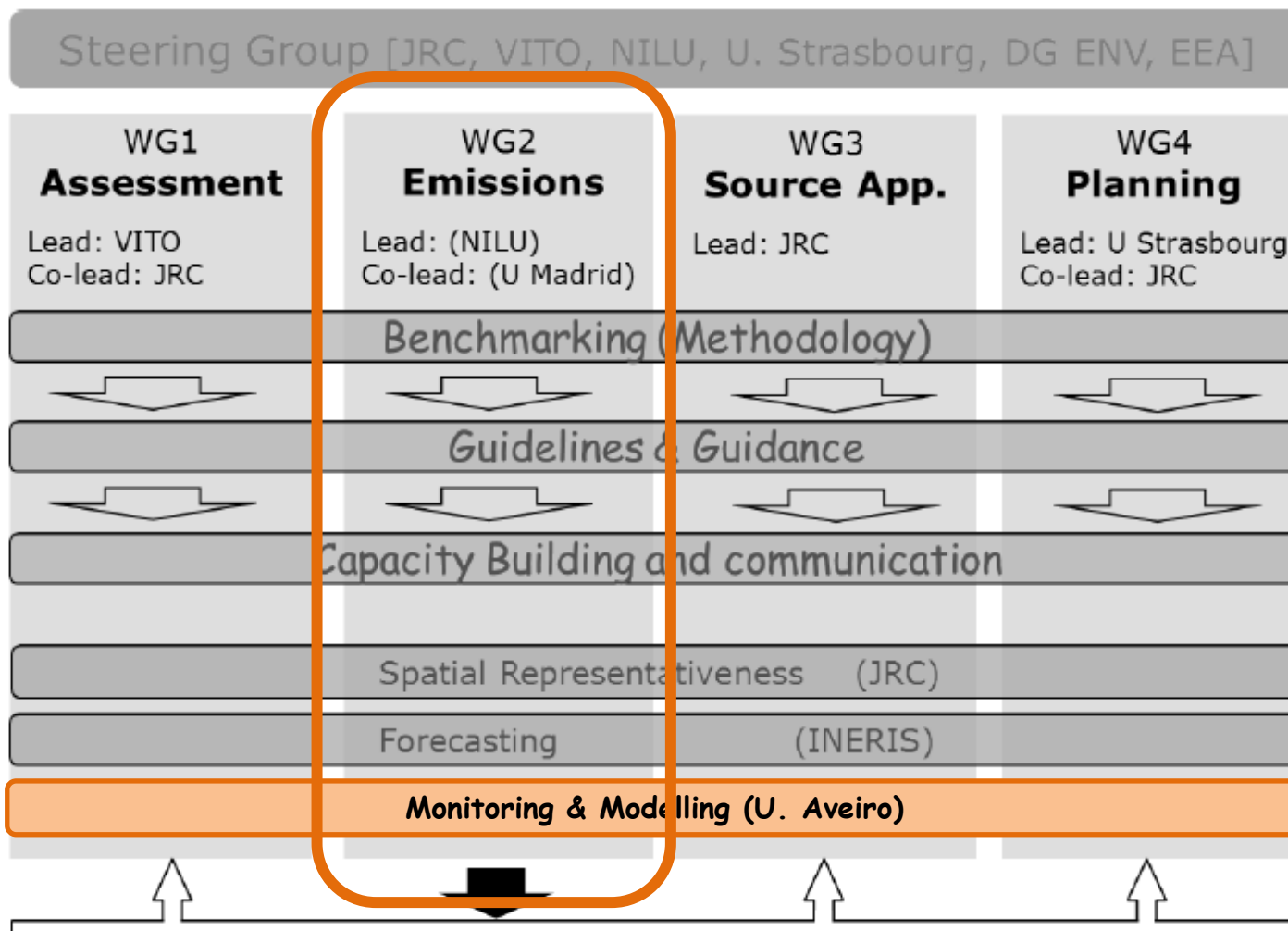


WG2-CCA: Emissions Models & measurements expectations on emission data

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Objectives | FAIRMODE structure



Objectives | following last WG2-SG1...

To deal with inter-WG about the use of monitoring and modeling to support assessment and planning applications.

- To promote best practices on the combined use of models and monitoring for Directive related applications
- To develop and apply quality assurance practices when combining models and monitoring
- To provide guidance on station representativeness and station selection for the combined use of monitoring with modelling and for validation purposes
- ...

Requests for participants | Meeting April 2014

1. REVIEWING METHODOLOGIES

- Compilation of monitoring & modelling practices/experiences

2. GUIDANCE ON MODEL VALIDATION WHEN USING M&M

- Monitoring data compilation
- Quality control/quality assurance of the monitoring data

3. USE OF M&M FOR PLANNING PURPOSES

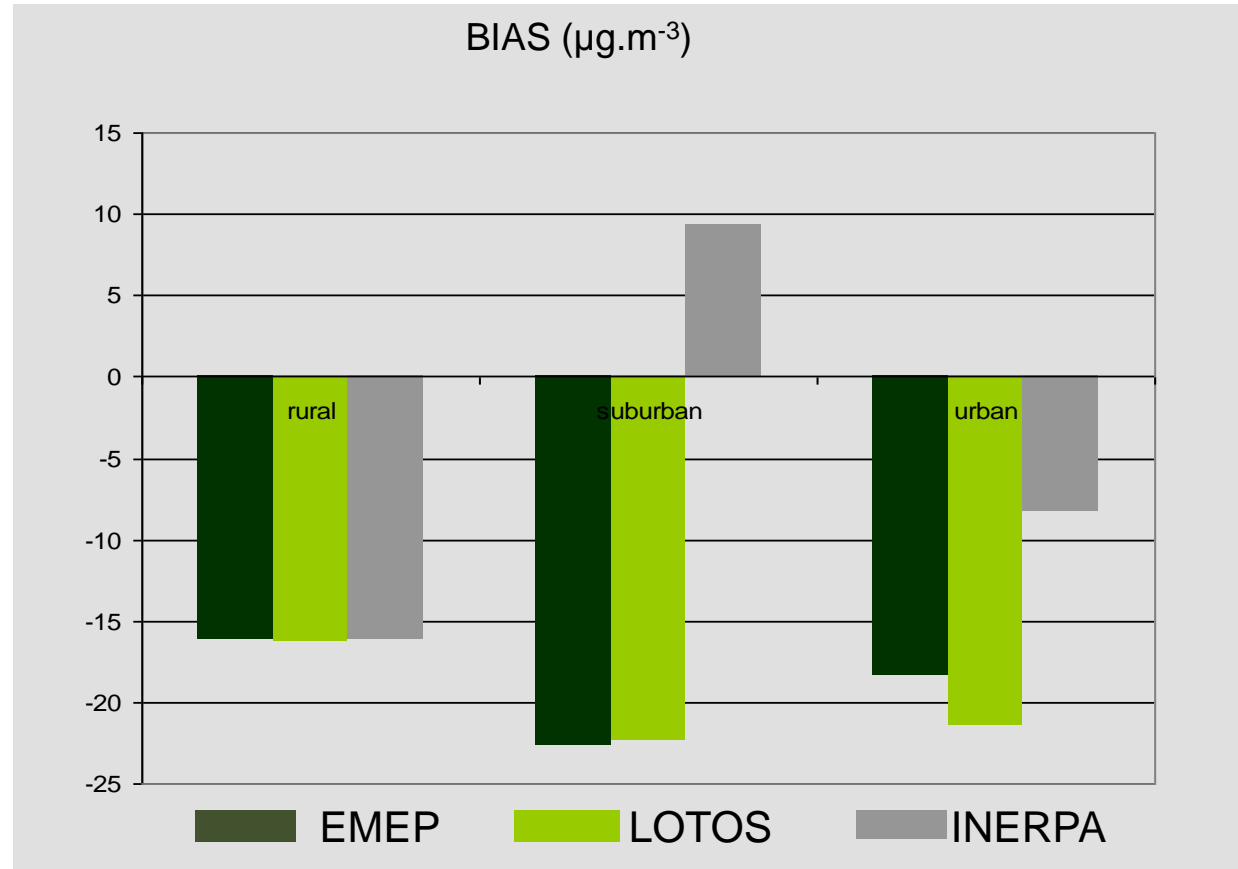
- List of planning exercises already applied and under study
- Experiences on using monitoring data for air quality management purposes

4. QUALITY OF MONITORING DATA: NETWORK QUALITY

- Criteria for the monitoring network
- Network design
- Problems and questions

Q1. Can air quality modelling results contribute to the improvement of **emission inventories**?

Emission inventory comparison based on PM10 model results



Is there PM emissions overestimation by INERPA inventory??

Monteiro et al., 2006

Q2. For urban areas and focusing on **traffic road emissions ...**



... does it make sense to use air quality monitored data from traffic stations to improve emissions?

Q3. Can we use **source apportionment methods to improve emission estimates?**

Q4. Can **satellite observations provide consistent data on atmospheric composition for improved emissions inventories?**

Q5. Can **Ensemble Kalman filter also be used as valuable technique to improve emission data?**

More questions?