

RIAT+ training, challenges and context

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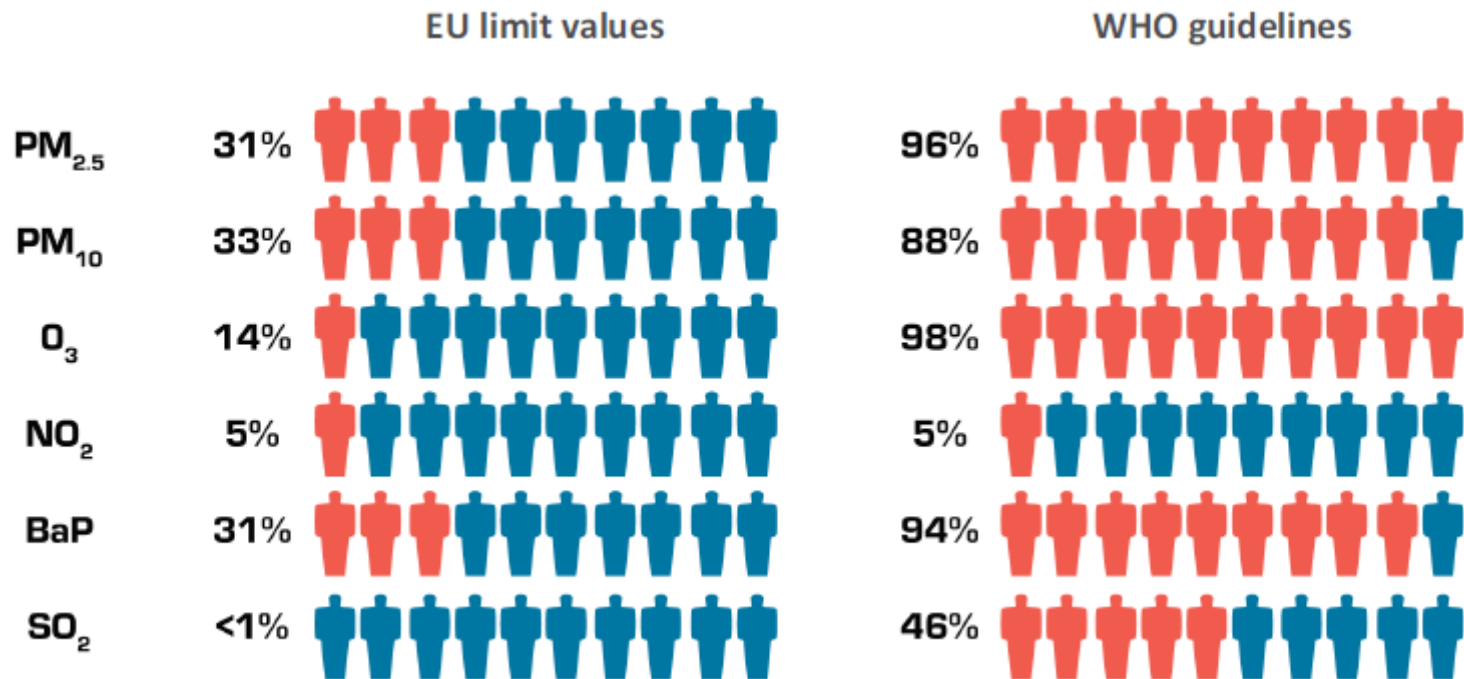
*Serving society
Stimulating innovation
Supporting legislation*



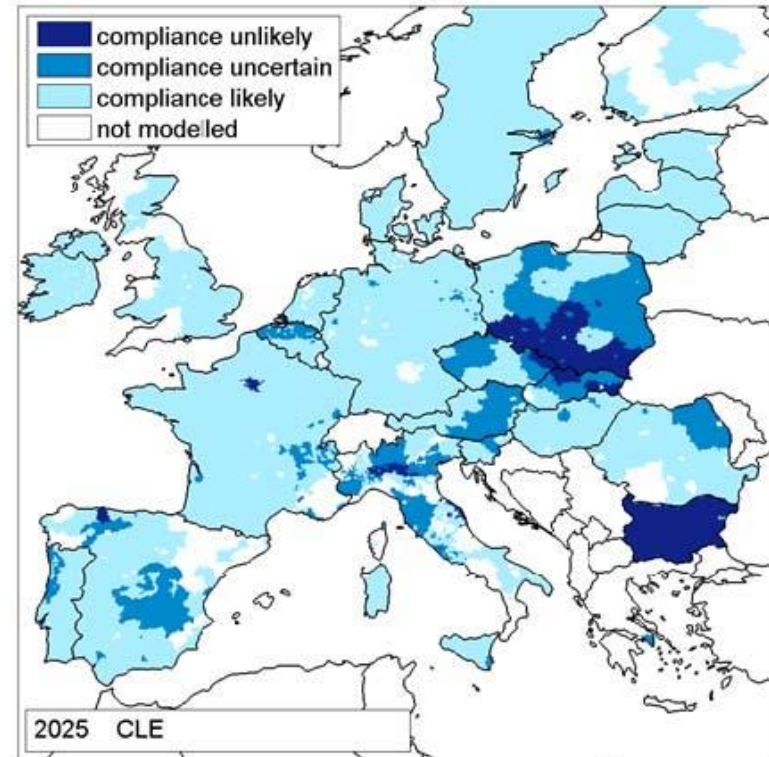
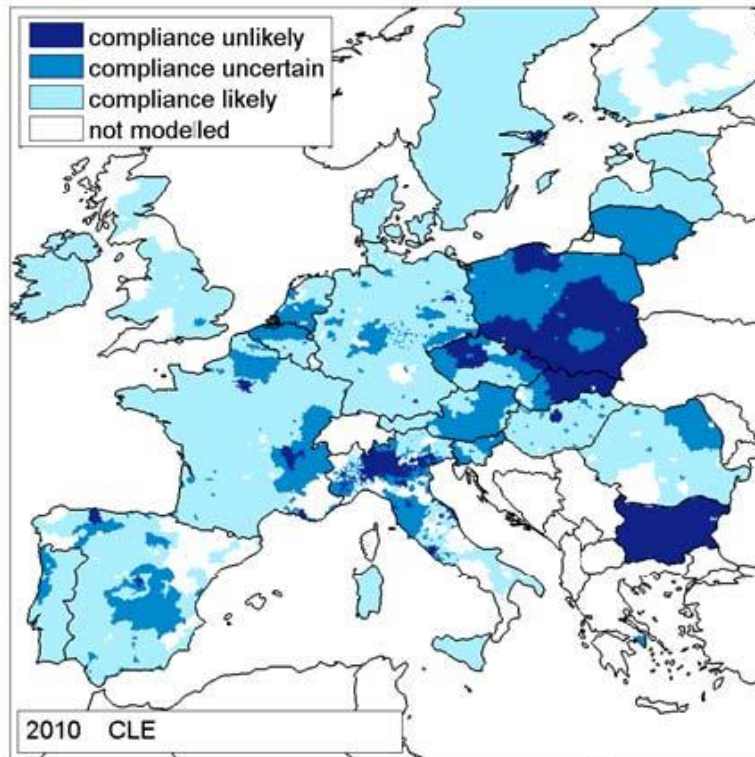
Outline

- “why” we need a local approach to improve air quality
- “what” JRC is doing in this context
- about the training

EU urban population exposed to harmful air pollution in 2011



Local hotspots still remain



Particulate Matter compliance issue
(still exceedances of threshold) at 2010 and 2025.



City compliance is an issue

EEA - Air Pilot Implementation project

- Almost three quarters of Europeans live in cities
- There are still 'gaps' in implementation of air quality policy
- Study on 12 European cities...but general conclusions

Some of the lessons learnt:

- Difficulties in estimating effect and cost/benefit of measures
- Challenges in implementation:
 - Governance issue, how competences are split between different levels (state/region/municipality).
 - Lack of management and assessment capacity
 - ...

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IAM at regional/local scale

European
Commission



legislation

CLE: Current Legislation

Air Quality

reinforcement

regional/local approach

Further measures



Joint
Research
Centre

Cost

IAM at regional/local scale

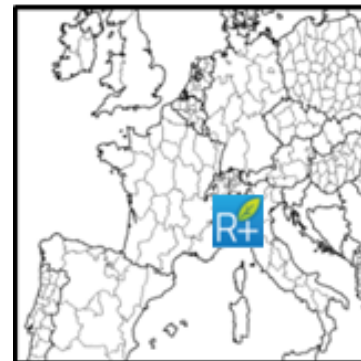
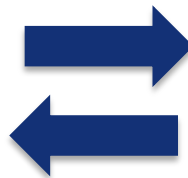


JRC activity:

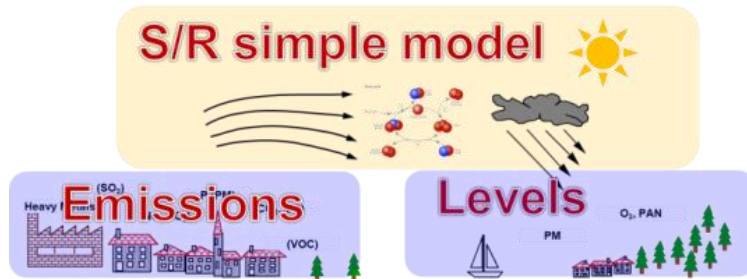
- providing knowledge/tools for air quality compliance at regional/local scale (as modeling tools, indicators, ...) to support the Air Quality Management plans preparation
- sharing these knowledge/tools with Decision Makers, networking, facilitating the exchange of best practices

Member States/Regional authorities role:

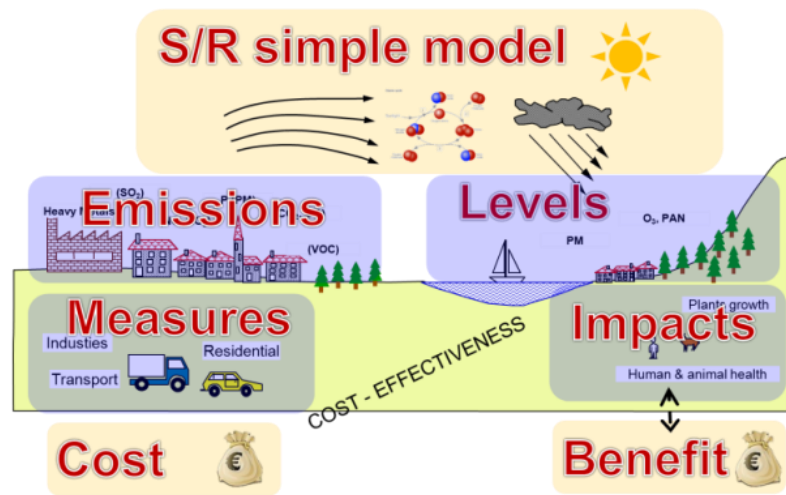
- Implementing “on the ground”



Tools for IAM



Simple approach: policy scenario
SHERPA, providing a screening tool



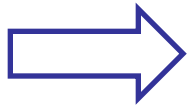
Complex approach: optimization of policies
RIAT+, providing first guess data

- Emissions
- SR models
- Emission reduction measures

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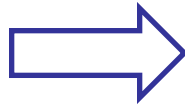
Bld. 100 – 2nd Floor, Room Aria – 2nd December



Meeting introduction

14:00 – 14:30

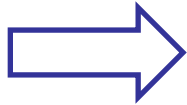
Introduction (E. [Vignati](#), JRC, Head of Air and Climate Unit)
Challenges and context (P. [Thunis](#), JRC)



RIAT+ methodology and tool

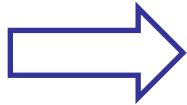
14:30 – 15:30

RIAT+ methodology (C. [Carnevale](#) and M. [Volta](#), UNIBS)



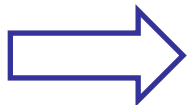
Coffee Break **Collect your ppt**

16:00 – 17:00

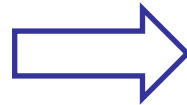


RIAT+ tool (G. [Maffei](#), TA)

17.00 – 18.00



Discussion (presentations by participants)



Bld. 100 – 2nd Floor, Room Aria – 3rd December

RIAT+ hands-on

09:00 – 10:30

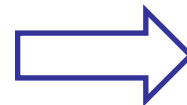
Practical Exercise with RIAT+: using default data for
scenario analysis and optimization
(G. [Maffei](#) and R. [Gianfreda](#), TA)

Coffee Break

11:00 – 12:30

Practical Exercise with RIAT+: preparing data for a
specific regional domain
(R. [Gianfreda](#), G. [Maffei](#) and F. [Ferrari](#), TA)

Networking Lunch



RIAT+ case study presentations

14:00 – 14:30 Emilia Romagna (M. [Stortini](#))

14:30 – 15:00 Alsace

15:00 – 15:30 Porto region (H. [Paulo](#))

Coffee break

16:00 – 17:00

Discussion

questionnaires



...a short tour de table, and then we can start

- your name
- where do you come from