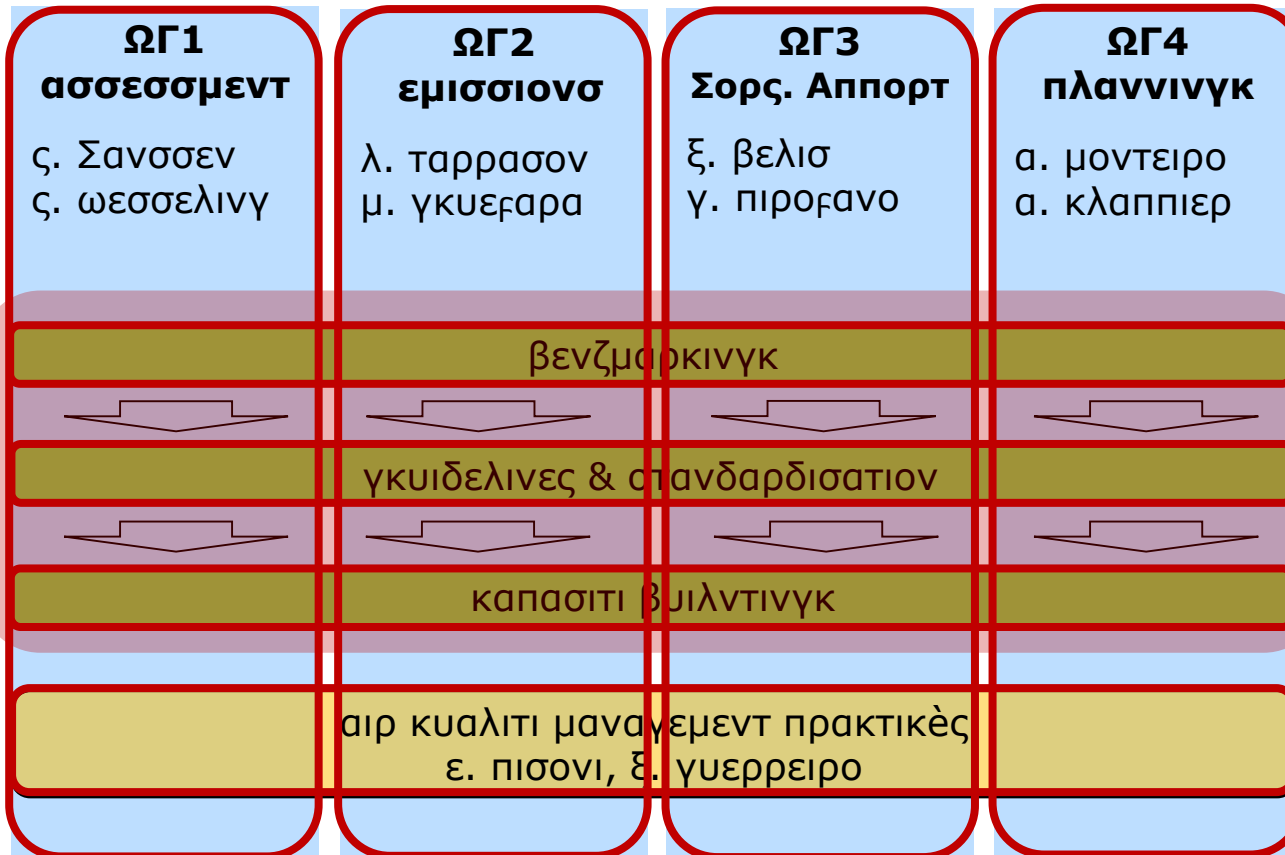




Φαίρμωδε τεκνικαλ μεετινγκ
Αθηνεσ
19-22 Ιουνιος 2017

στεερινγκ γρουπ



Benchmarking

- Regional & local exp.
- Inter-comparisons
- Tools & methods

Guidance

Training

- Tools & methods
- Datasets...

Benchmarking



Monday 19/06	
12:00-13:00	Registration
13:00-13:30	Introduction & Set-up of WG activities
13:30-15:30	Composite mapping Intercomp. Exercise
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Guidance Recommendations

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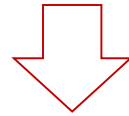
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Benchmarking

- Regional & local exp.
- Inter-comparisons

Guidance Recommendations

I. What is the purpose?



II. Is my approach fit for the purpose?



III. Do I apply it in the appropriate way?



IV. Are my results of sufficient quality for policy?

Training

- Tools & methods
- Datasets...

Benchmarking

Inter-comparisons / tools / Regional & local experiences

- Composite mapping, Δ tool, Regional/local assessments

Guidance / Recommendations

What is the purpose?

- Concentration maps (NO_2 , PM, O_3)
- Calculation of population exposure (NO_2 , PM)

Is my approach fit for the purpose?

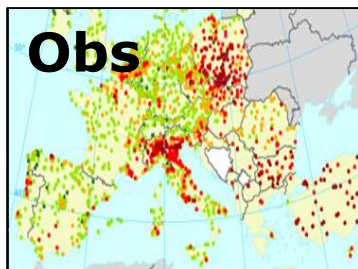
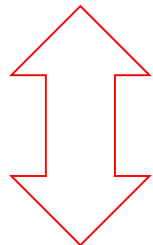
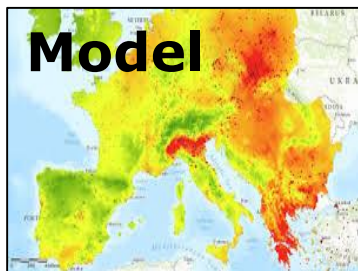
- Modelling (Eulerian, land-use...), monitoring, data-assimilation, sensors...

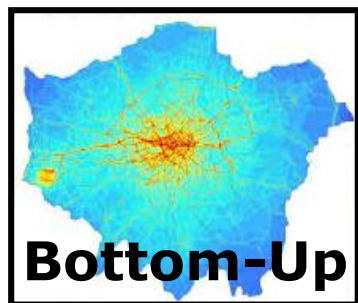
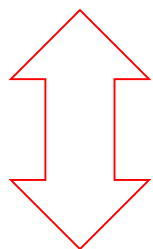
Do I apply it in the appropriate way?

- Model settings (e.g. resolution, yearly vs. hourly)

Are my results of sufficient quality for policy support?

- MQO





Benchmarking

Inter-comparisons / tools / Regional & local experiences

- Composite mapping, Δ tool, Regional/local assessments

Guidance / Recommendations

What is the purpose?

- Support to city and regional air quality modelling

Is my approach fit for the purpose?

- Type of approach (BU vs. TD)

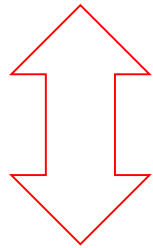
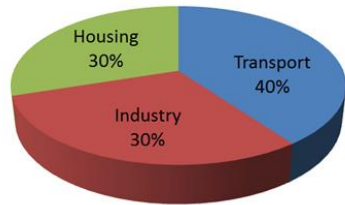
Do I apply it in the appropriate way?

- Resolution, proxies, sectoral details, time profiles...

Are my results of sufficient quality for policy support?

- ?

WG3: Source Apportionment



Benchmarking

Inter-comparisons / tools / Regional & local experiences

- IE, Δ SA tool, SPECIEU

Guidance / Recommendations

What is the purpose?

- Calculation of contributions (episodes vs. long term, sectorial & geographical)

Is my approach fit for the purpose?

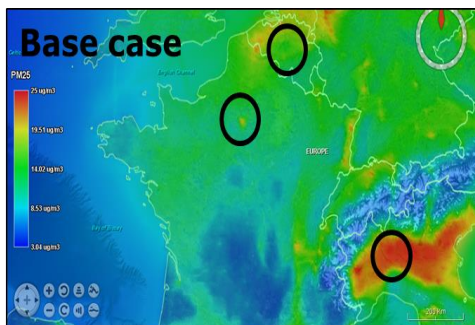
- Receptor-models, tagged species, brute force sensitivities, Lenschow increments, emission-based, inverse modelling, exploratory...

Do I apply it in the appropriate way?

- Treatment of non-linearities, robustness assessment...

Are my results of sufficient quality for policy support?

- MQO?



Benchmarking

Inter-comparisons / tools / Regional & local experiences

- IE, Δ tool, SHERPA, Air quality measure DB

Guidance / Recommendations

What is the purpose?

- Impact assessments (episodes vs. long term, regional & urban)

Is my approach fit for the purpose?

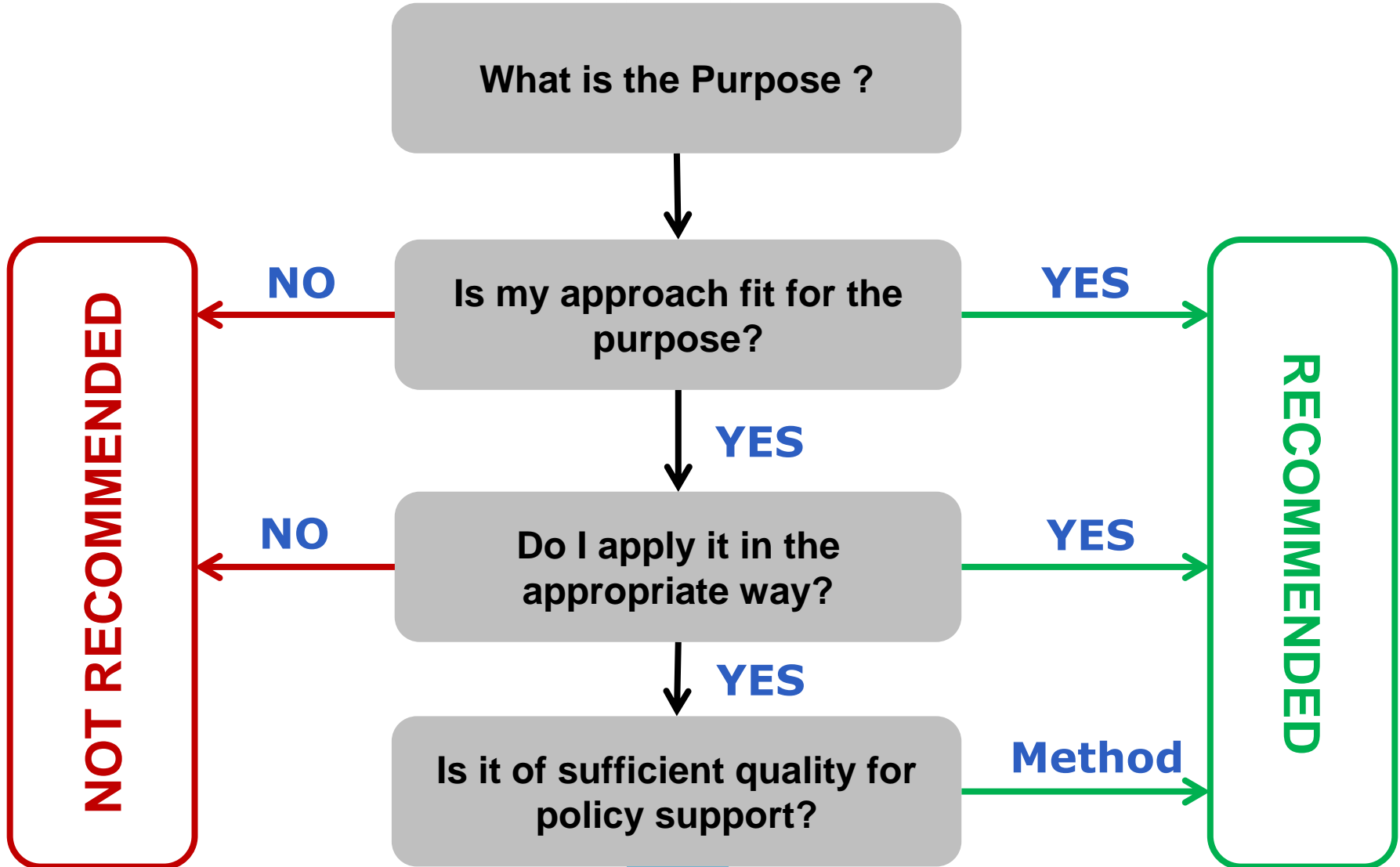
- brute force sensitivities, source receptor relationships (e.g. SHERPA), source apportionment (tagged species or RM...)

Do I apply it in the appropriate way?

- Resolution, treatment of non-linearities, robustness...

Are my results of sufficient quality for policy support?

- ?



A few examples of straightforward questions



- What are the characteristics a good modelling application should have to estimate population exposure? Alternatively: what should not be allowed?
- What are the minimum requirements an emission inventory should have to support city scale modelling?
- Can I use the same technique to perform source apportionment for episodes and long term averages
- Is the Lenschow increment a good approach to estimate geographical contributions? If not which one can be recommended?
- Can I use source apportionment for planning purpose? If yes can we detail under which conditions?

Guidance / Recommendations

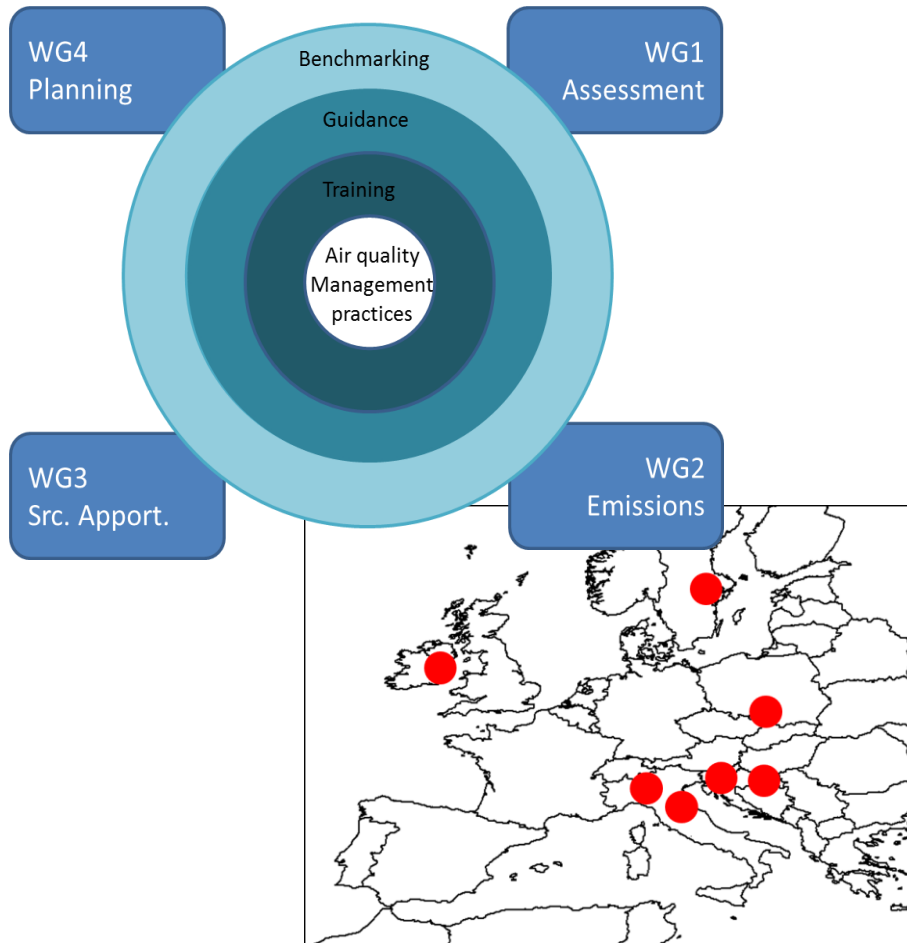


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Two new activities



Pilot exercise



Sensors



New activities



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A few last points

- ❑ To WGs:
 - ❑ Discuss possible recommendations
 - ❑ Save slides
 - ❑ Air quality conference (Barcelona 2018)

- ❑ Do not forget to participate to common sessions

- ❑ One word about the spatial representativeness workshop

- ❑ Group & room organization