

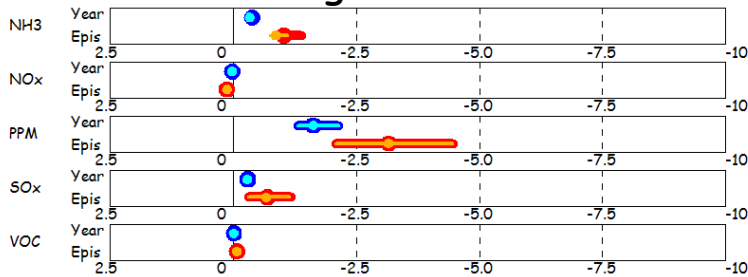
# WG4 Planning

A. Clappier

# Overview

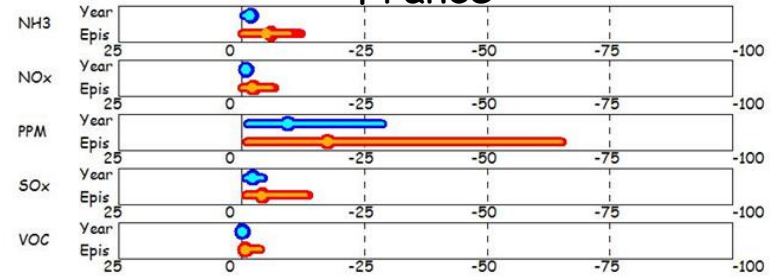
## Comparison of potencies and potentials between countries:

### Belgium

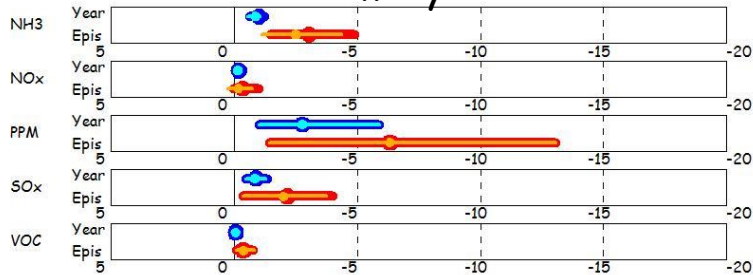


### France

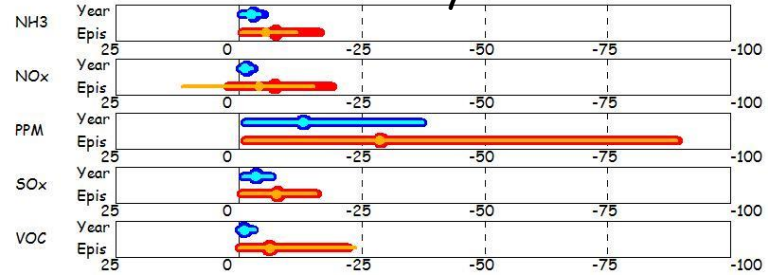
(ng/m<sup>3</sup>)/(kT/km<sup>2</sup>)



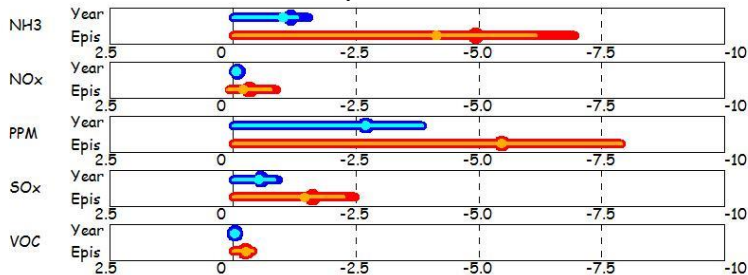
### Germany



### Italy



### UK



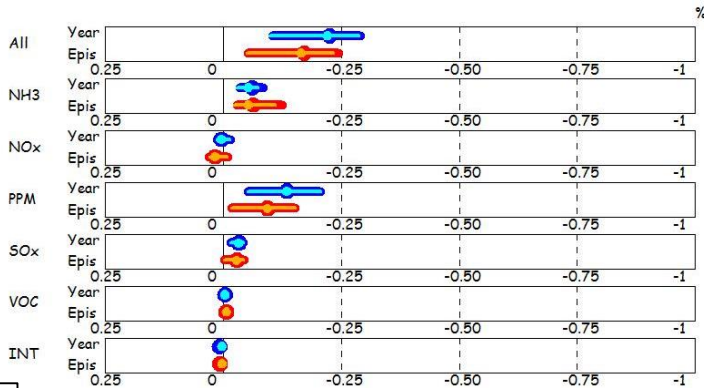
- IT potencies always the largest (meteo?)
- Largest non-linearities for NH3 & NOx IT
- In all countries, PPM potencies dominate
- NOx positive potencies in Belgium

# Overview

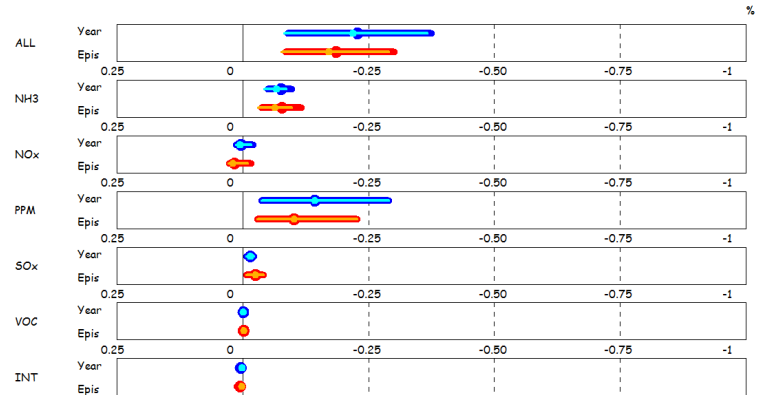
Comparison between 2 models, 2 resolutions:

PM10

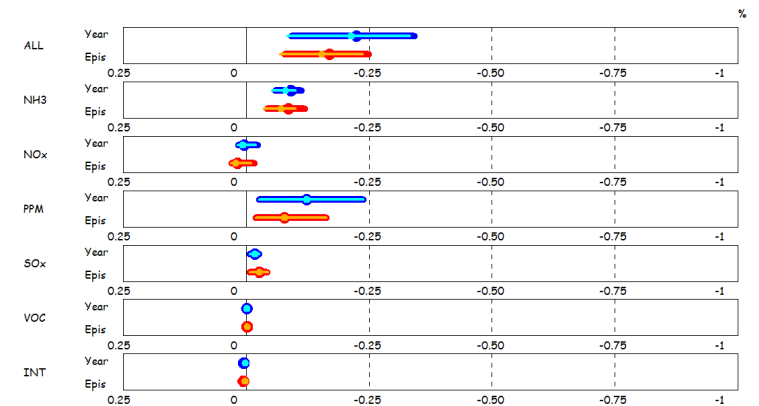
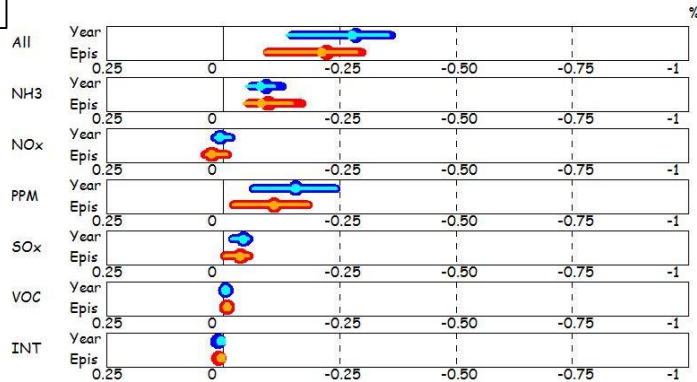
EMEP, all stations in Belgium



AURORA, all stations in Belgium



PM2.5

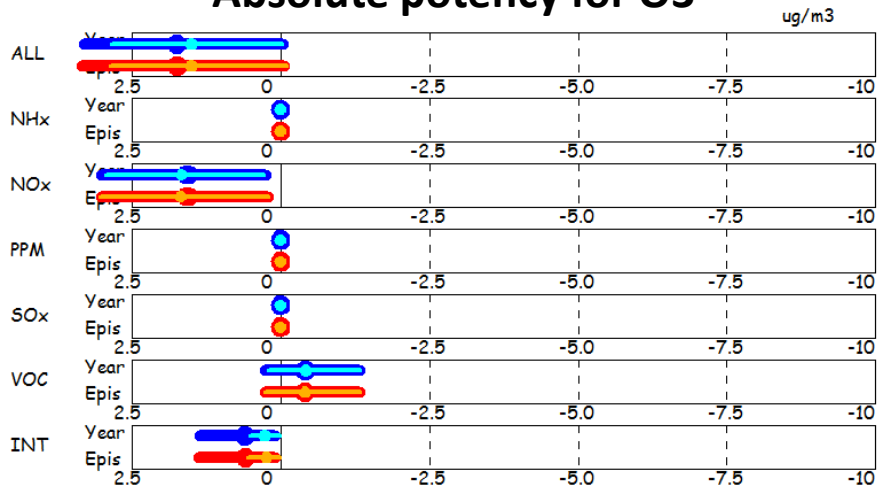


# Overview

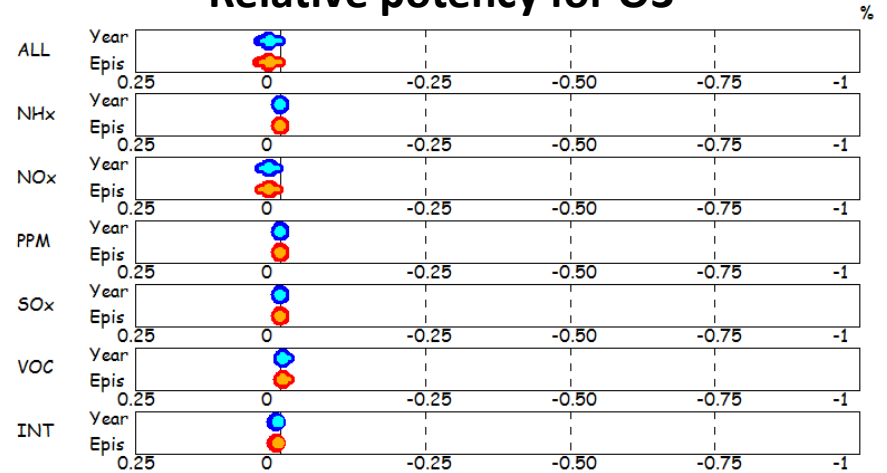
Potentials computed with a S/R relationship:

Emission reduction over Spain.

### Absolute potency for O3



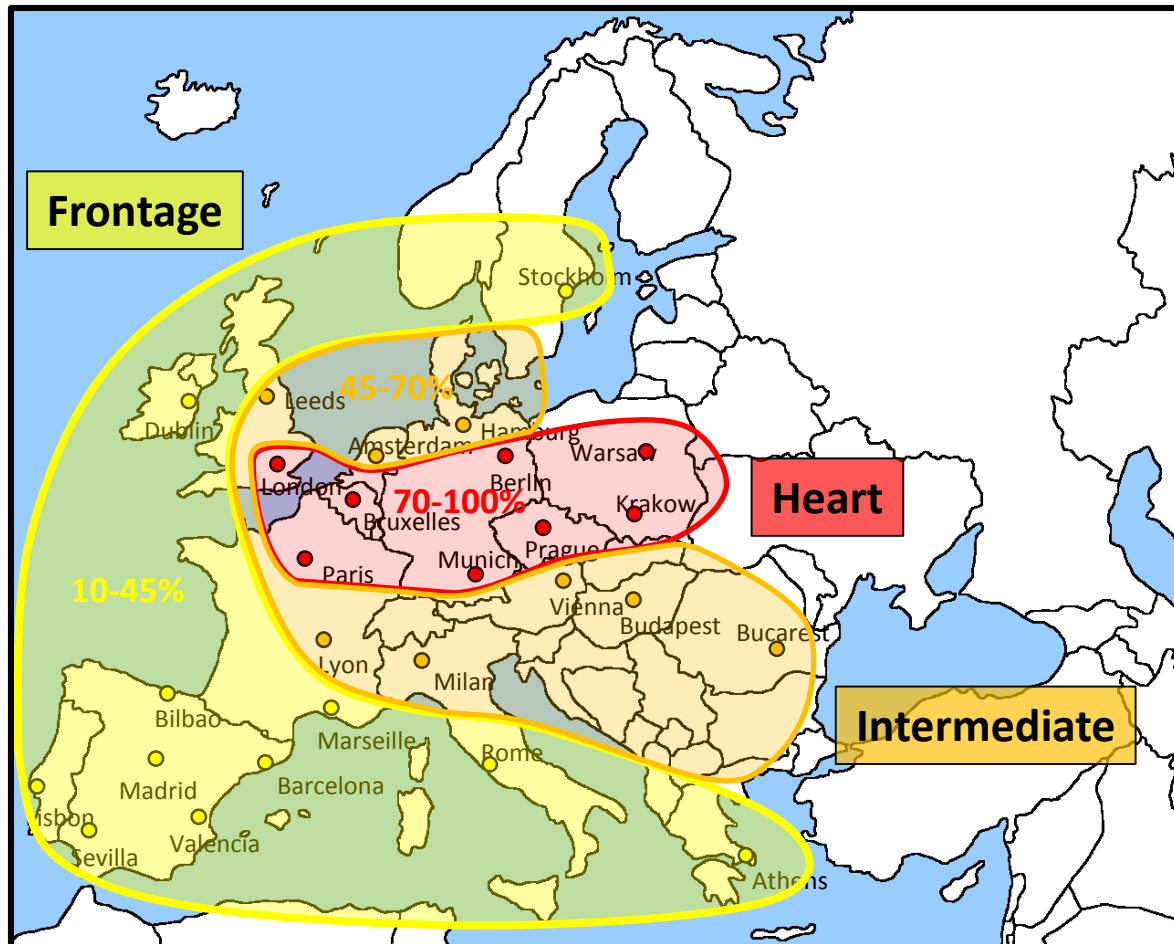
### Relative potency for O3



# Overview

## Forecasted Potentials:

Emission reduction over all Europe.



# Future activities

**Continuity:** Potential of 2 publications

- Comparison between countries (EMEP results)
- Comparison between models (AURORA – EMEP results)

**Evolution:**

- A new tool is coming soon: SHERPA should provide potencies for all kind of reduction over Europe
- Link with WG3 (Source Apportionment) for dynamic model evaluation

A scenic view of a waterfront town. In the foreground, several traditional wooden boats with yellow and blue hulls are docked at a pier. The water is calm, reflecting the boats and the buildings. In the background, a row of ornate, multi-story buildings with intricate architectural details and arched windows lines the waterfront. A white van and a white car are parked on the street in front of the buildings. The sky is clear and blue.

**Thank you for your attention**