

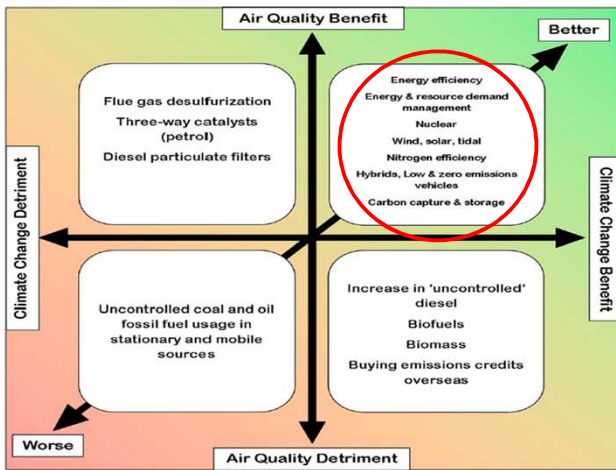
# The air quality impact of energy saving measures in the major cities signatories of the Covenant of Mayors

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## Research question

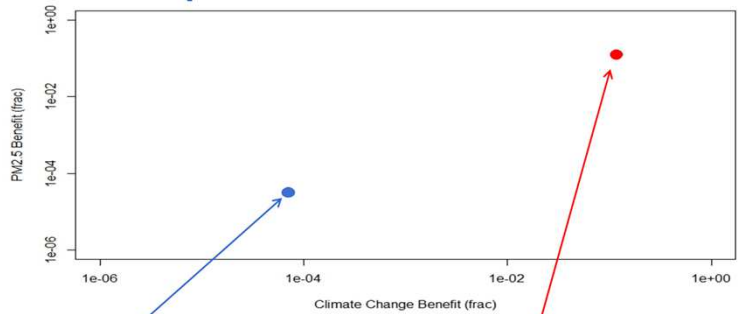
The Covenant of Mayors is the world's largest movement for local climate and energy actions. Is it possible to quantify the co-benefits for air quality for such a wide initiative?



Air Quality and Climate Change benefits of the planned measures have been quantified developing indicators based on the PM<sub>2.5</sub> European Atlas

Signatory cities of the Covenant of Mayors pledge have to prepare and implement a Sustainable Energy Action Plan (SEAP) including a list of measures planned to actually achieve GHG emission reductions.

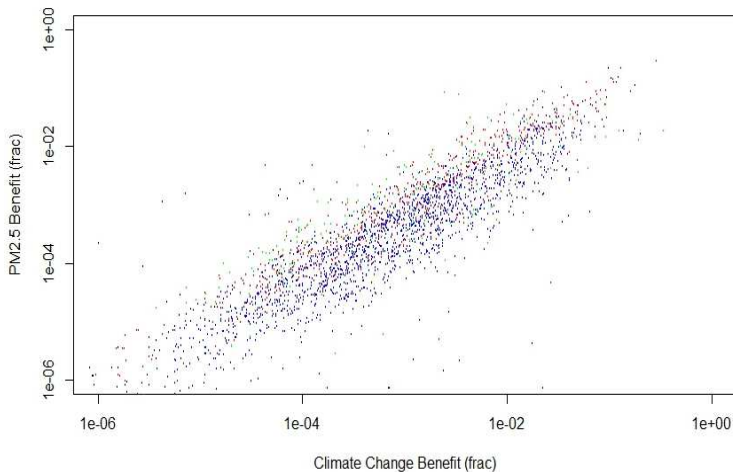
## Examples of measures in Barcelona



Promote the installation of solar thermal systems in sports centres

Implementation of Barcelona Urban Mobility Plan

## Selected sample: 2713 energy saving measures in 146 cities in 23 EU countries



	Avoided Premature Deaths	Years of Life Saved
<b>All sectors</b>	<b>6569</b>	<b>68476</b>
<b>Traffic</b>	<b>3280</b>	<b>34192</b>
<b>Buildings</b>	<b>2591</b>	<b>27003</b>
<b>Industry</b>	<b>673</b>	<b>7000</b>

Results show that energy saving measures planned in the selected cities will lead to air quality improvements that will allow to **avoid 6569 premature deaths**.

The study will be extended to include Western Balkans where there are 29 further signatories accounting for 3.2 million inhabitants.