

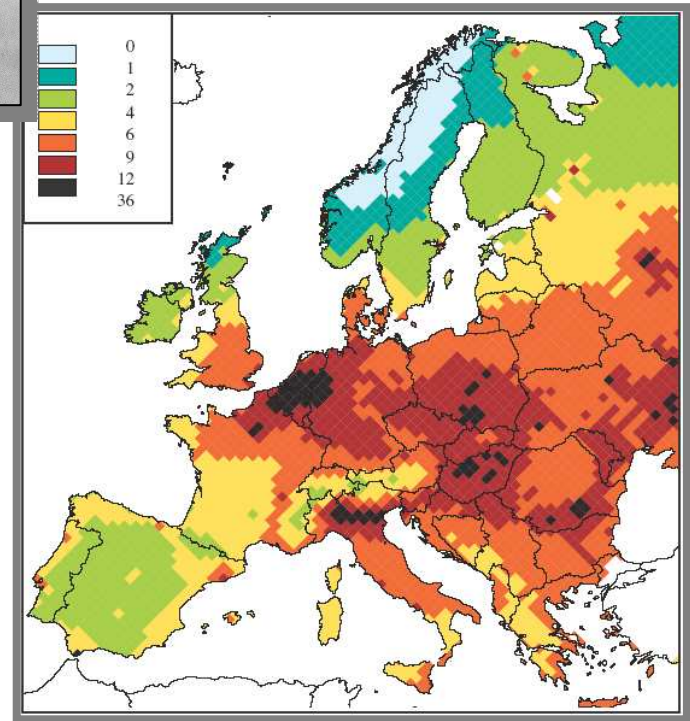
Urban Air Quality Issues in 50 years

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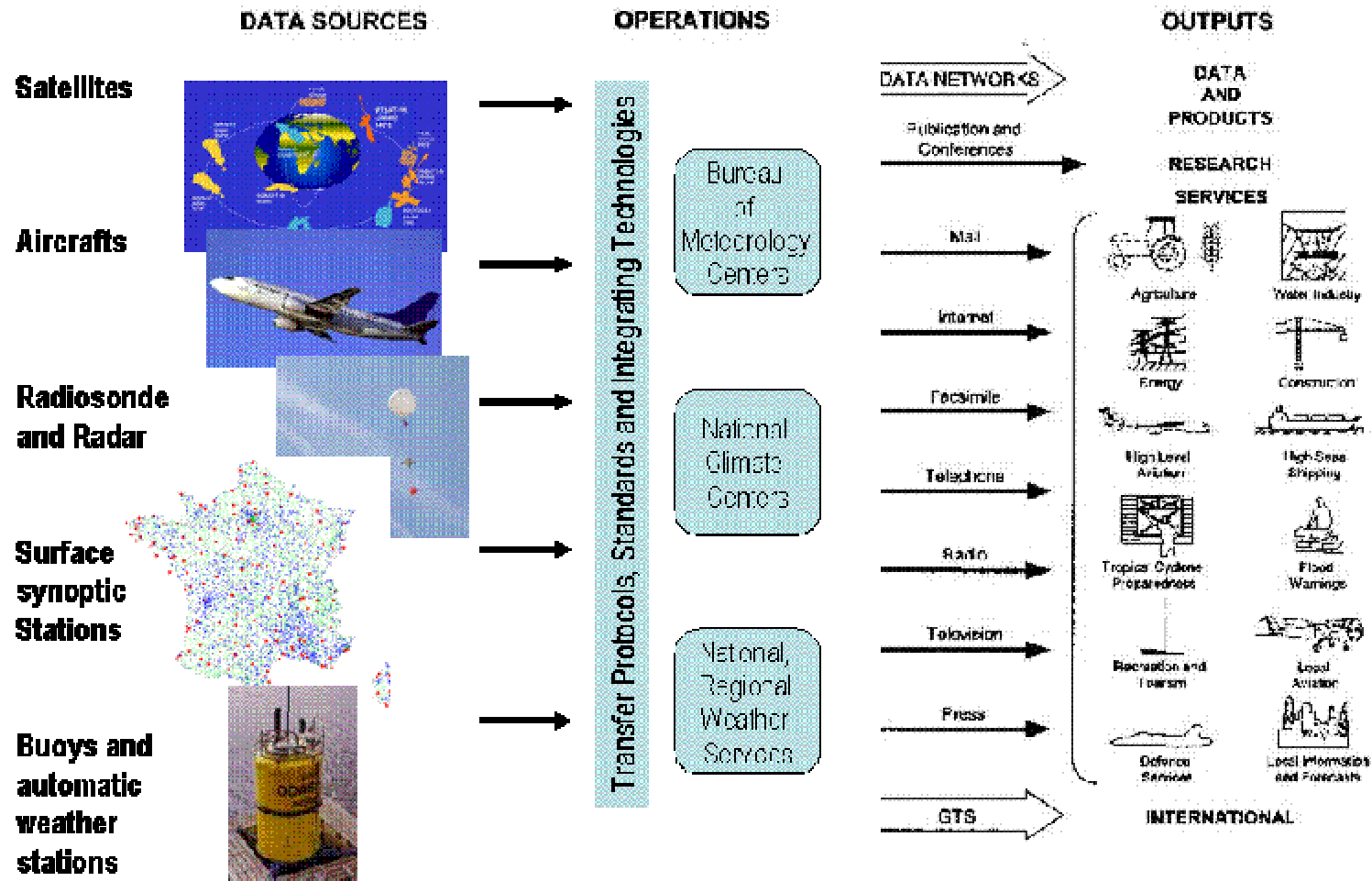


Air Quality issues in 50 years: responding to public awareness for public Health and Environmental issues

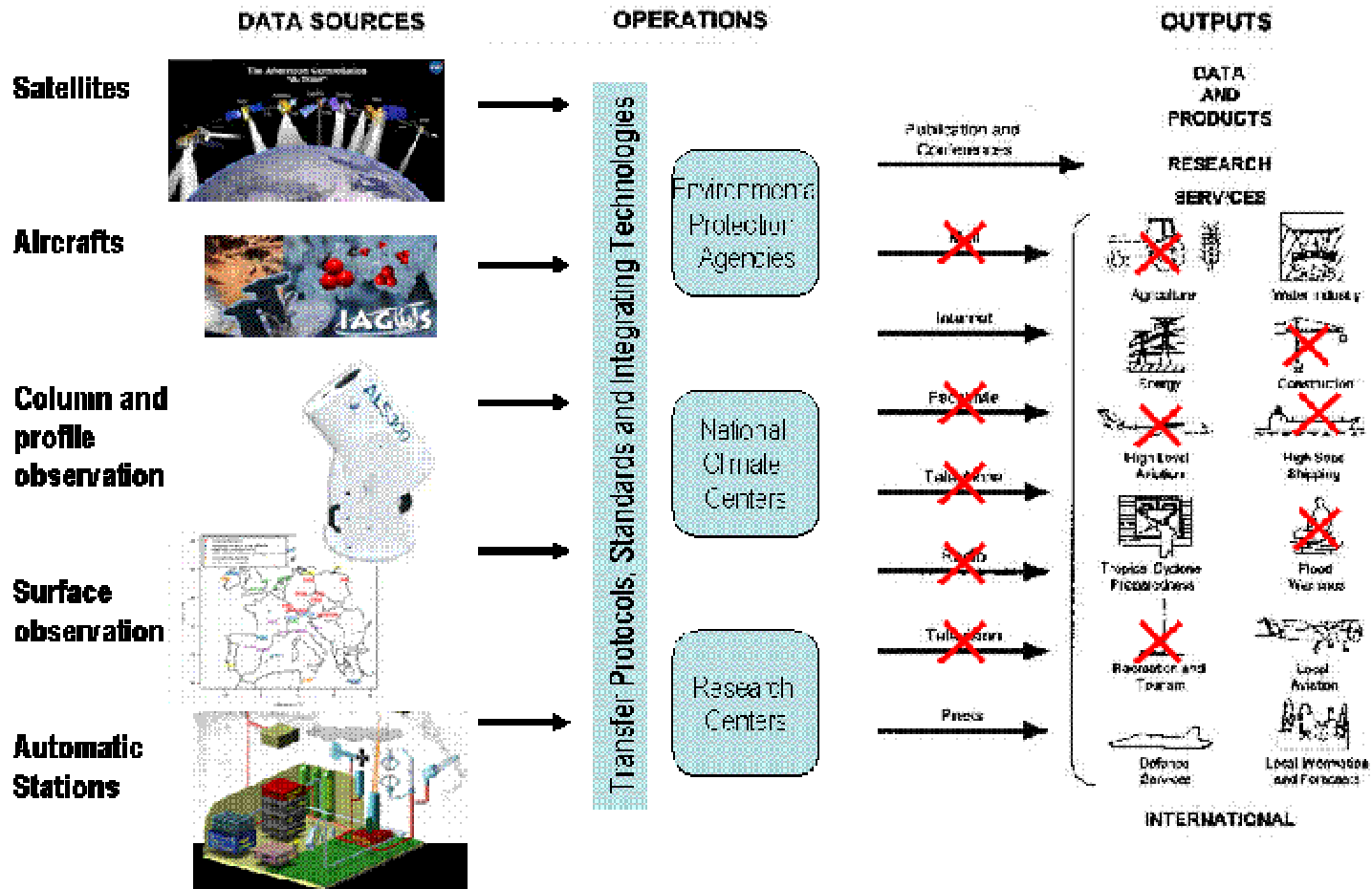


Mois de vie perdus liés à l'exposition aux particules atmosphériques (IIASA, 2005)

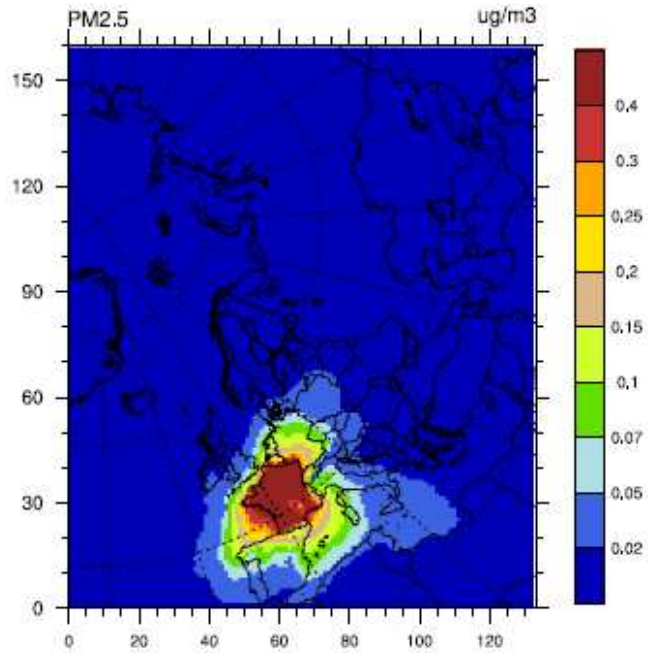
How will Air Quality forecast look like in 50 years ? The weather forecast system



How will Air Quality forecast look like in 50 years ? Current Atmospheric composition observation system



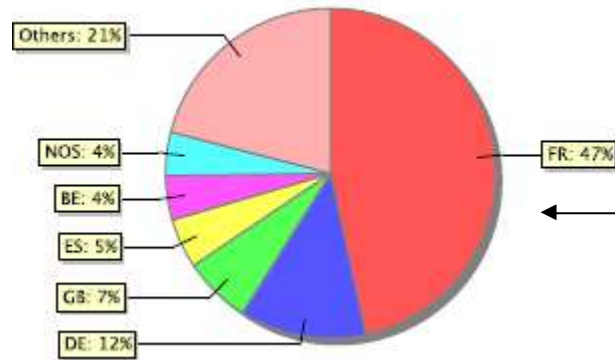
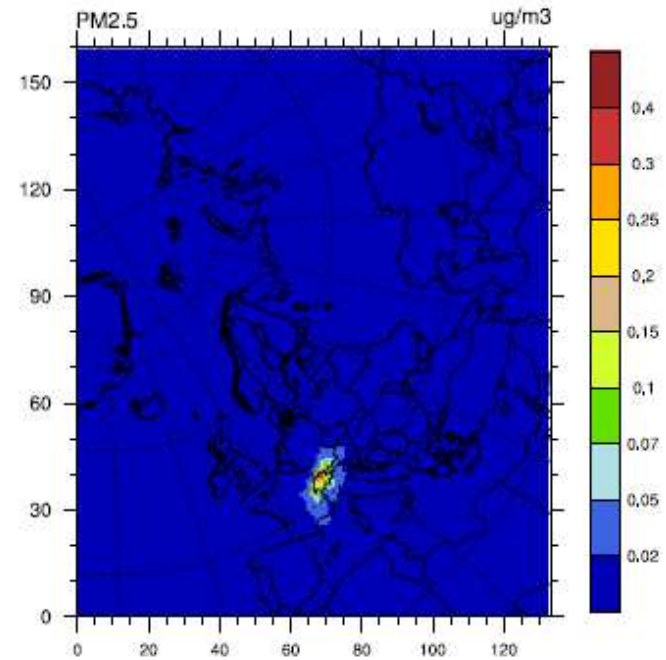
Air Quality issues in 50 years: from a local to a regional/synoptic approach



Impact of reducing PM2,5 emissions over the European domaine

In France

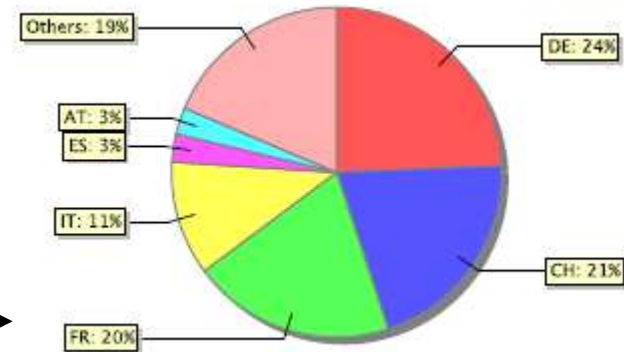
in Switzerland



Contributors to PM2,5

In France

in Switzerland



Re-dimensioning Urban Air Quality Networks ?



Air Quality Networks: 5-10 urban stations / city

In Paris

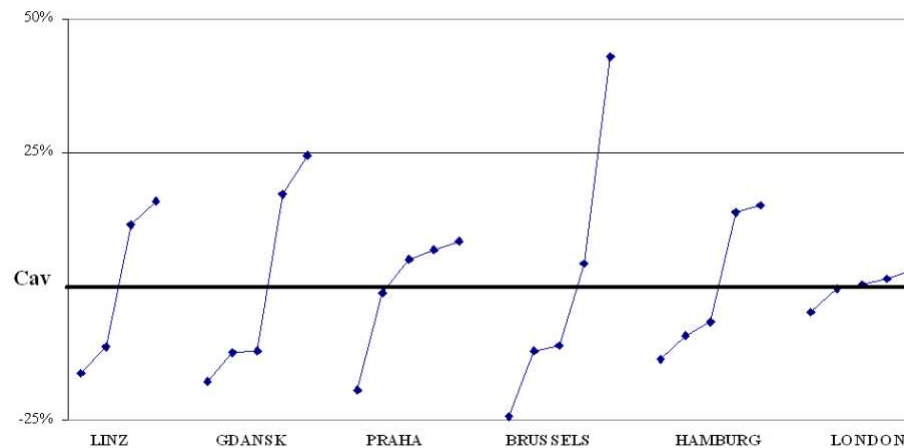
in Reims



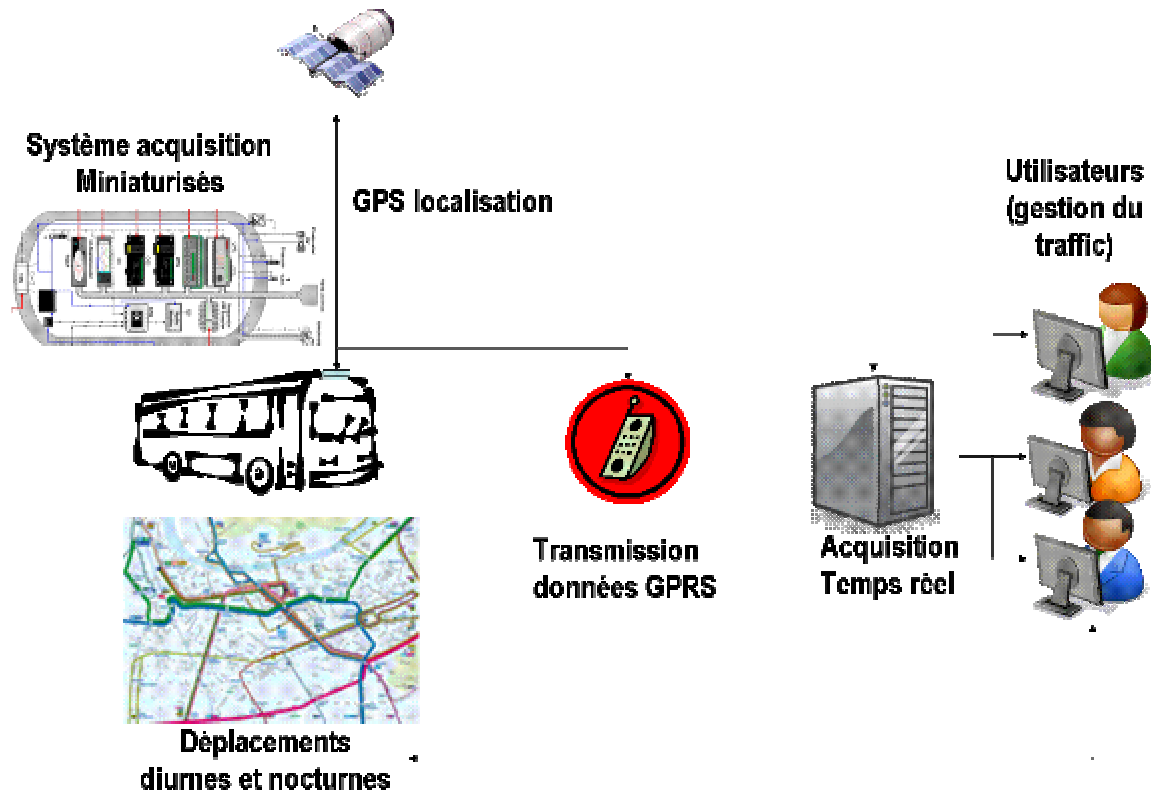
Are they all providing useful data ?

The variability of PM2.5 measurement does not appear to be linked to the city dimension

PM10 anual mean, 2002



New Pollutants, New Regulation and New Technologies: How fast are we responding ?



Real-time information system for public health

Portable pollution monitors (indoor + outdoor air pollution)

Use of depollution technologies (self-cleaning devices already tested)

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