

***Air quality forecast and NRT modelling:
Italian major cities activities***

MEGAPOLI: Po valley activities

Sandro Finardi

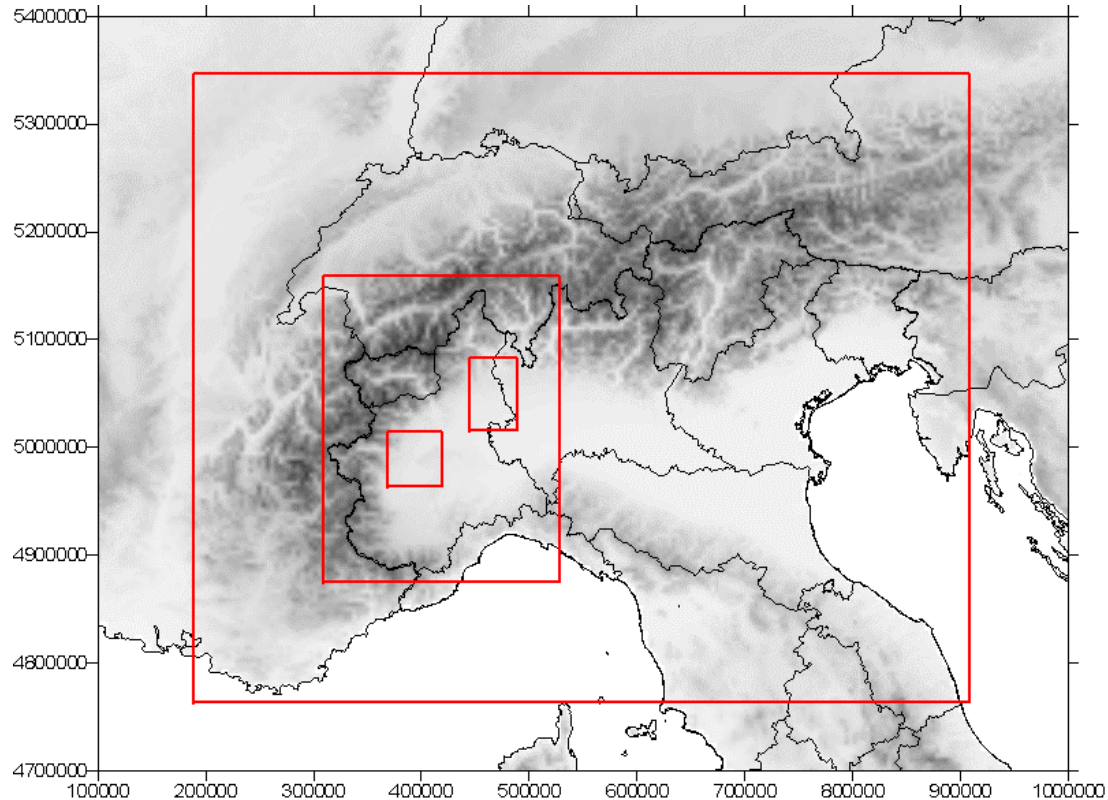
ARPA Piemonte

ARPA Lombardia

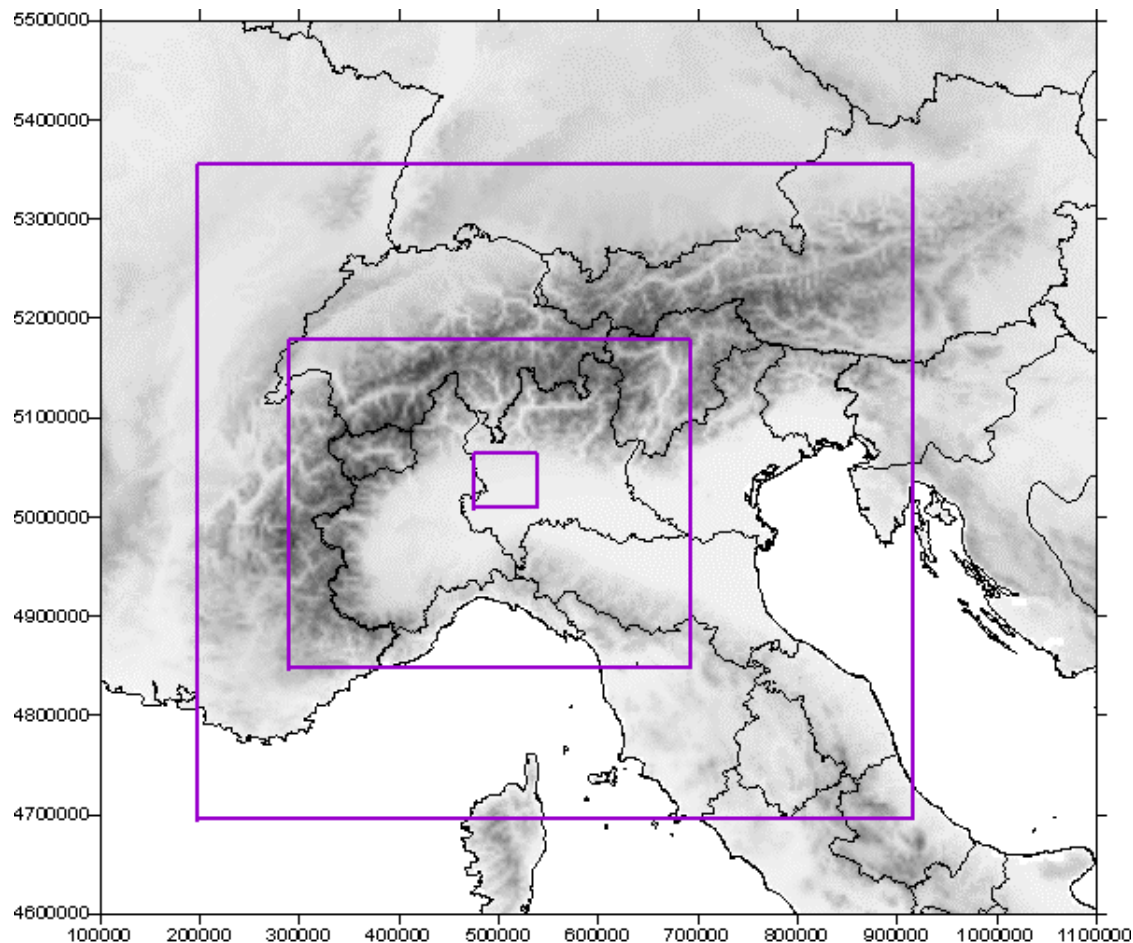
ARPA Lazio



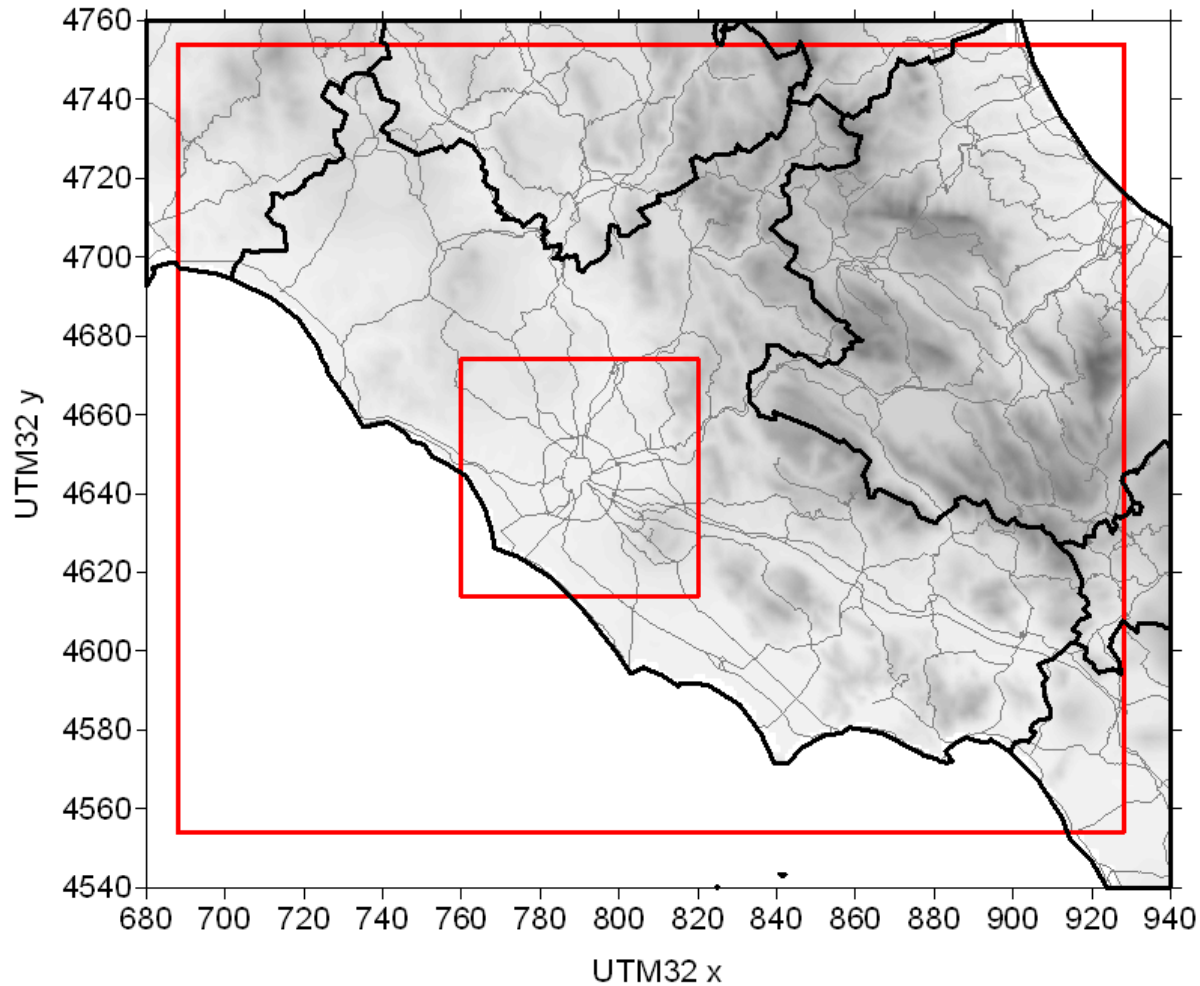
ARPA Piemonte air quality forecasting system nested domains. Horizontal resolutions: 1, 4, 8 km



ARPA Lombardia projected air quality forecasting system nested domains. Horizontal resolutions: 1, 4, 12 km



ARPA Lazio air quality forecasting system nested domains. Horizontal resolutions: 1, 4 km.



Chemical Weather - SeaMonkey


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COST ES0602, Chemical Weather

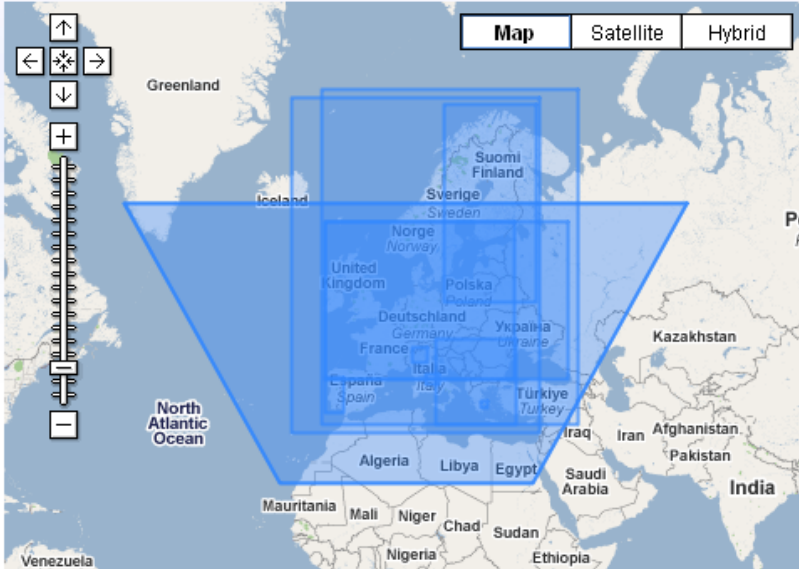
Action ES0602: Towards a European Network on Chemical Weather Forecasting and Information Systems (ENCWF)



Home News Links Material **AQ Domains**

Model Domains

Map Satellite Hybrid



Greenland, Iceland, North Atlantic Ocean, Suomi Finland, Sverige Sweden, Norge Norway, United Kingdom, Polenka Poland, Deutschland Germany, Yrpaia Ukraine, France, Italia Italy, Espana Spain, Turkiye Turkey, Kazakhstan, Iraq, Iran, Afghanistan, Pakistan, Saudi Arabia, India, Mauritania, Mali, Niger, Chad, Sudan, Nigeria, Ethiopia, Venezuela

Domains

- Portugal
- Roma
- Lombardy
- Central Europe
- Balkan Peninsula
- Athens (GR)
- EUROPE-WRF/CHEM (UPM)
- EUROPE-MM5/CMAQ (UPM)
- Europe (NKUA-AUTH)
- Central Europe (RCG)
- Finland_SILAM
- Europe_SILAM

7° PQ: Megacities and regional hot-spots air quality and climate



Megacities: Emissions, urban, regional and Global Atmospheric POLLution and climate effects, and Integrated tools for assessment and mitigation

THEME FP7-ENV-2007.1.1.2.1: *Megacities and regional hot-spots air quality and climate*

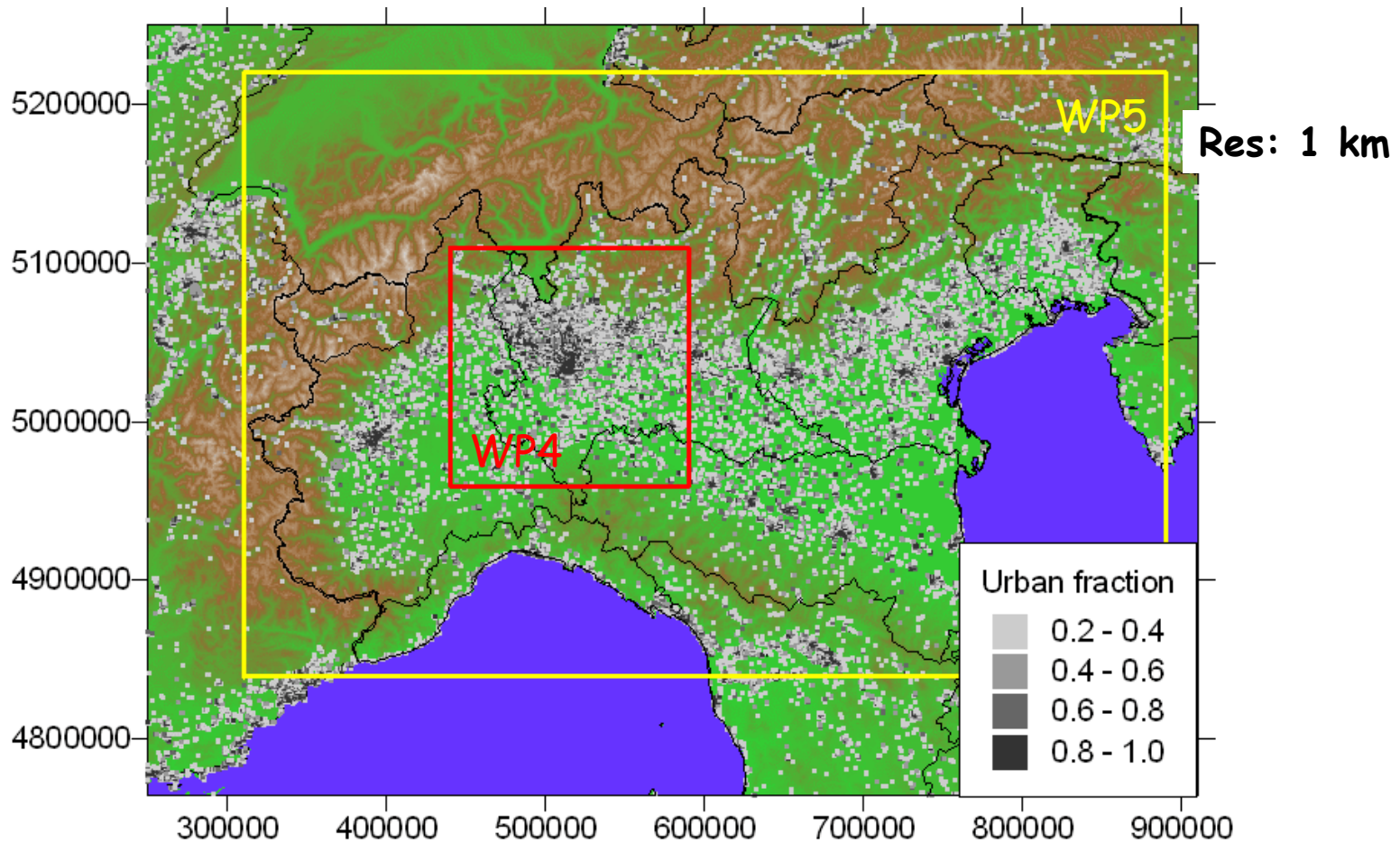
Collaborative Project (medium-scale focused research project)



Project acronym: CITYZEN

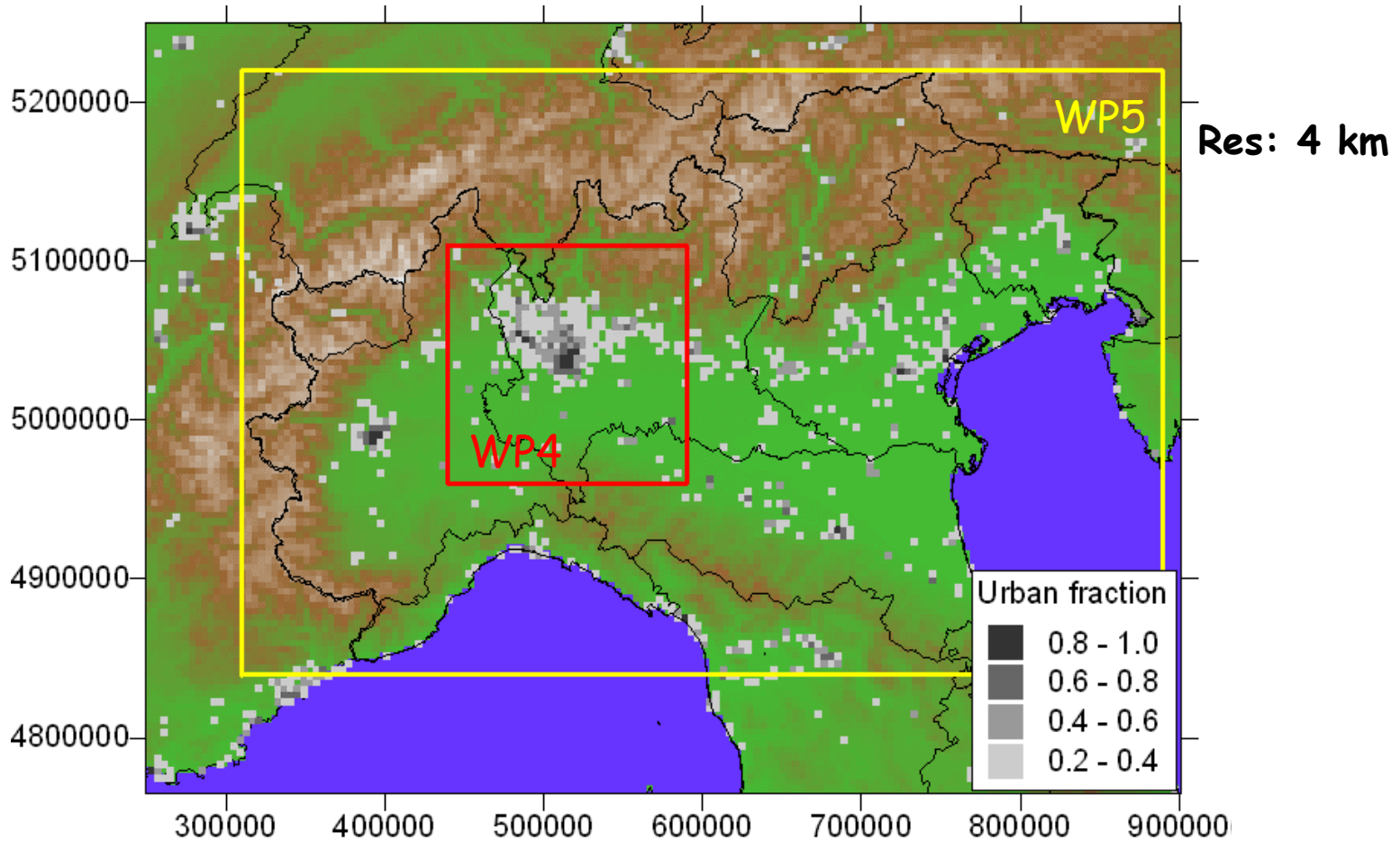
Project full title: megaCITY - Zoom for the Environment

Preliminary definition of Po valley simulations (inner) domains for MEGAPOLI WP4 and WP5 activities



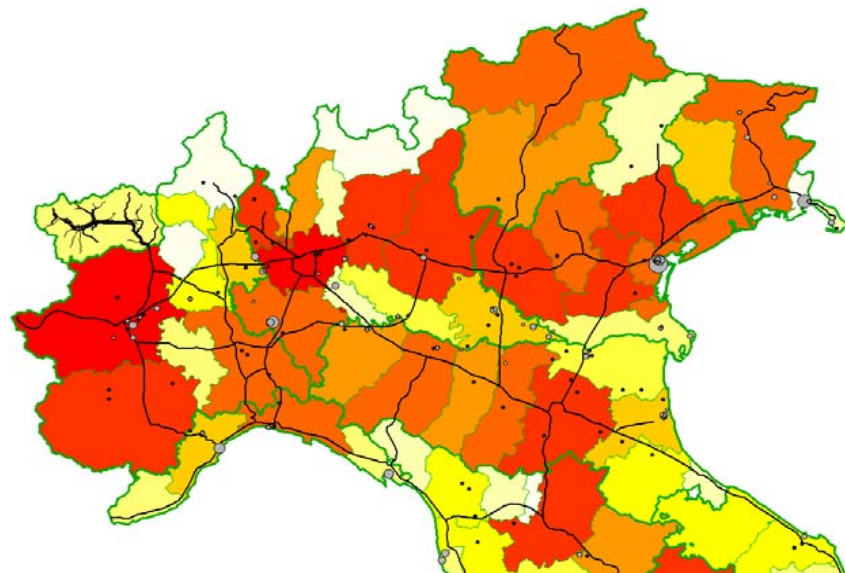
* Urban fraction from CORINE LandCover 2000

Preliminary definition of Po valley simulations (inner) domains for MEGAPOLI WP4 and WP5 activities



* Urban fraction from CORINE LandCover 2000

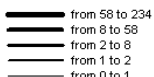
Combustion in Commercial, Institutional & Residential & Agriculture - NOx



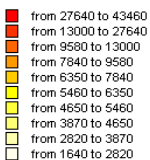
Point sources
NOx - Yearly emissions (ton/y)



Line sources
NOx - Yearly emissions (ton/km/year)



Diffuse sources
NOx - Yearly emissions (ton/y)



Diffuse sources
NOx - Yearly emissions (ton/y)

