

# **2005 Emission Inventory**

alessandra

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## 2005 Emission Inventory

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### Data sources

An emission inventory is characterized by three different typologies of emissions: area, point and linear sources.

Emissions from sources distributed on the territory are considered area emissions. For this typology of emissions a direct measurement is not feasible, it is therefore necessary to estimate them from statistical data and specific emission factors.

To achieve this activity national and international experiences have been analyzed, by means of a search for literature information and involvement in expert panels in emission inventory groups.

The work has been realized following methodologies adopted in both national (ENEA-ANPA) and international framework (Corinair). For instance, the Corinair - SNAP 97 classification has been adopted for activities, as described in methodology.

### Definition, data collection and processing

Several contacts have been set up for data collection regarding quantities produced, energy consumed, number of employees in every type of manufacturing industry existing on the Lombard territory.

In the beginning this work required a survey for information existing in Regione Lombardia, mainly held by the Statistical Office and Data Base. For other data (quarries, agriculture, waste) research has been made both in ARPA Lombardia sectors and with a partnership with Punti Energia for a common definition of fuel consumptions.

ISTAT web site furnished other data, in particular the number of employees per ISTAT category from its ASIA archive and national productions of some industrial sectors for the year 2003.

Finally several trade associations have been contacted to obtain data needed for the inventory both in terms of productions and consumptions.

As regards data acquired, with the exception of the Regional Statistical Office whose data are available at a municipality level, in some events data have been furnished at a county level, in other at regional or national level. Only for some big industrial sources (i.e. refineries) point data have been instead acquired.

Institutions and associations contacted have been more than 60: the municipality level has been obtained only from institutions whereas trade associations has often provided national data.

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