Air pollution country profile

Exposure - Italy

ed air pollutants such as PM10, PM2.5, O3, NO2 an The table below shows the pe BaP for the years 2017-2021.

		2017	2018	2019	2020	2021
BaP	annual mean	6,4	1,1	2,6		0,5
NO ₂	annual mean		7,2	12,4	3,5	1,7
O ₃	percentile 93.15					
PM ₂₋₅	annual mean		1,5	1,0	0,4	0,4
PM ₁₀	annual mean	5,2	0,0	2,9	3,6	2,8
	percentile 90.41					

Click here to see further information About Air Pollution

Health impacts

Country	Med. Population (x1000)	Population- weighted annual mean (PM ₂₋₅)	Attributable deaths (PM ₂₋₅)	Population- weighted annual mean (NO₂)	Attributable deaths (NO ₂)	Population- weighted SOMO35 (O ₃)	Attributable deaths (O ₃)
Italy	59.235	13,9	46.790	17,8	11.280	6.149	5.120
EU27	442.519	11,4	253.000	14,4	52.000	3.794	22.000
Total	558.768	11,6	293.000	16,1	69.000	4.020	27.000

Air quality



Station-Type of Measure Tutti

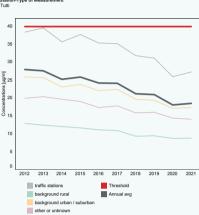
ration of pollut andard (µg/m3







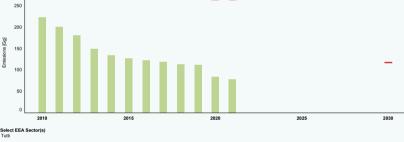




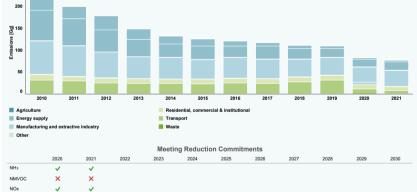
Air emissions

Select Pollutant SO₂

Italy: SO₂-Reduction Commitments







Click here to see further information on Emission Sources

■ Data source

- Air quality d 2011/850/EU

SO2

- The Ambient Air Quality Directive (2008/50/EC) s criterion of reporting more than 75% of valid data of
- Click here to see the source of air quality data

- Emission data are taken from emissions inventories submitted by EU-27 Member States under the NEC Directive - Emission data from Iceland, Liechtenstein, Norway, Switzerland and Turkey are taken from emission inventories submitted under LRTAP Convention
- Compliance with the NEC Directive is shown for all EU-27 Member States (Creatia joined the EU in mid-2013; therefore, for the years 2010 to 2013 emissions cannot be considered for this country); for Norway and Switzerland compliance with the Emission reduction Commitments has been shown.
- The new NEC Directive establishes a process that allows Member States to 'adjust' their emission inventories downwards if non-compliance with the Emission reduction Commitments is caused by countries having applied improved emission inventory emitteds in accordance with updated scientific knowledge since the Emiss reduction Commitments were originally set. The data provided in this publication are unadjusted emissions.
- EEA-32 Member Emissions data on the sectoral emission share are taken from data submitted and subsequently gap-filled (if required) under LRTAP Convention

Click here to see the source of air emissions data



<u>Acknowledgements</u>

This country profile was prepared by the European Environment Agency (EEA). It presents compiled information based on the latest official air pollution data reported by the EEA's member countries.

- A comprehensive overview of information about Europe's air quality is published each year by the EEA in the report series 'Air quality in Europe'. A number of oth publications addressing air pollution are also published by the EEA each year.
- Country profiles summarise key data on air pollution for each of the 32 EAA member countries, 6 collaborating countries and the EU/27 indicators on past and future emission trends of key air pollutants are presented, as well as a summary of the national air quality situation in each country. Information on the data sources used is provided in the last section of this country profile.
- The country profile of each country describes:

 1. general information on air emissions and air quality.

 2. the air quality situation of each country based on reported air quality measurement data and and are the country of the co

- countries.

 The air pollutants addressed in the country profiles are:

 I. for air quality, selected pollutants regulated under the EU's Air Quality Directives:
 particulate matter (both PMs and PMz.s)
 cozone (Os)
 nitrogen dioxide (NO2) and
 benzo(a)pyrene (BaP).

 II. for air pollutant emissions, the pollutants regulated under the National Emission Cellings Direction (NOX)
 sulphur dioxide (NOX)
 sulphur dioxide (SO2)
 non-methane volatile organic compounds (NMVOC)
 armornia (NHs) and
 particulate matter (PMz.s).