

16 aprile 2020

Elaborazione dell'Istituto Superiore per la Protezione e la Ricerca Ambientale (Ispra) per Greenpeace Italia

PM2.5 primario + secondario (Mg)	1990	1991	1992	1993	1994	1995	1996	1997
industrie energetiche	266.891	248.888	231.242	216.631	213.129	210.847	194.633	184.829
industrie	144.261	140.981	138.875	122.586	118.764	115.444	96.744	92.470
trasporti stradali	173.873	177.679	185.973	187.516	174.601	166.919	163.036	149.532
altri modi di trasporto	67.255	67.426	67.178	69.043	67.579	66.167	70.071	68.687
civile - riscaldamento - legna	66.509	75.890	69.025	68.586	67.827	70.233	67.878	72.087
civile, tutte le altre fonti	25.333	25.059	21.756	19.831	16.593	15.630	15.107	15.291
agricoltura, esclusi allevamenti	15.823	17.063	17.577	18.905	17.931	16.347	15.464	16.974
allevamenti	63.186	63.299	60.787	59.977	59.238	59.897	59.659	59.454
altri settori (include fuggitive, solventi, rifi	44.940	45.546	44.786	47.266	43.184	39.736	39.043	38.509
Totale	868.070	861.831	837.197	810.339	778.846	761.220	721.636	697.832

PM2.5 primario + secondario (%)	1990	1991	1992	1993	1994	1995	1996	1997
industrie energetiche	31%	29%	28%	27%	27%	28%	27%	26%
industrie	17%	16%	17%	15%	15%	15%	13%	13%
trasporti stradali	20%	21%	22%	23%	22%	22%	23%	21%
altri modi di trasporto	8%	8%	8%	9%	9%	9%	10%	10%
civile - riscaldamento - legna	8%	9%	8%	8%	9%	9%	9%	10%
civile, tutte le altre fonti	3%	3%	3%	2%	2%	2%	2%	2%
agricoltura, esclusi allevamenti	2%	2%	2%	2%	2%	2%	2%	2%
allevamenti	7%	7%	7%	7%	8%	8%	8%	9%
altri settori (include fuggitive, solventi, rifi	5%	5%	5%	6%	6%	5%	5%	6%

1998	1999	2000	2001	2002	2003	2004	2005	2006	2007	2008	2009
165.651	143.440	120.407	107.277	96.227	75.311	68.872	50.559	49.603	38.787	32.245	25.279
79.066	78.004	73.065	70.374	68.495	69.576	65.287	66.748	64.063	63.379	57.396	43.804
144.576	139.135	124.550	121.950	116.597	110.933	106.392	99.490	93.381	86.356	77.347	70.906
69.053	65.221	63.074	60.936	52.630	52.331	51.189	50.062	46.710	42.808	38.464	37.453
71.383	74.389	68.290	64.291	39.445	61.983	39.782	67.554	79.343	109.631	129.839	124.948
14.709	15.383	14.468	14.759	12.340	13.626	13.005	15.095	15.281	16.722	16.990	16.472
16.350	16.772	16.370	16.703	17.283	17.091	17.733	16.172	16.637	16.386	15.100	12.645
59.706	59.882	57.718	57.029	55.150	54.714	53.458	52.610	51.590	53.026	52.498	52.293
38.937	35.008	32.601	34.429	34.880	33.919	34.336	34.483	32.512	32.437	30.142	28.532
659.431	627.235	570.543	547.747	493.048	489.483	450.053	452.773	449.120	459.532	450.020	412.333

1998	1999	2000	2001	2002	2003	2004	2005	2006	2007	2008	2009
25%	23%	21%	20%	20%	15%	15%	11%	11%	8%	7%	6%
12%	12%	13%	13%	14%	14%	15%	15%	14%	14%	13%	11%
22%	22%	22%	22%	24%	23%	24%	22%	21%	19%	17%	17%
10%	10%	11%	11%	11%	11%	11%	11%	10%	9%	9%	9%
11%	12%	12%	12%	8%	13%	9%	15%	18%	24%	29%	30%
2%	2%	3%	3%	3%	3%	3%	3%	3%	4%	4%	4%
2%	3%	3%	3%	4%	3%	4%	4%	4%	4%	3%	3%
9%	10%	10%	10%	11%	11%	12%	12%	11%	12%	12%	13%
6%	6%	6%	6%	7%	7%	8%	8%	7%	7%	7%	7%

2010	2011	2012	2013	2014	2015	2016	2017	2018
23.640	20.163	19.977	14.853	11.138	10.850	8.845	8.297	7.442
45.968	43.871	37.166	32.207	31.141	29.537	29.887	28.909	29.162
66.508	63.112	58.073	53.024	52.407	47.940	45.336	41.509	40.840
34.578	31.740	27.970	26.236	25.318	23.869	23.465	22.818	22.971
121.221	78.132	112.375	112.218	96.002	104.195	100.608	110.056	92.407
15.986	12.855	15.001	15.692	14.889	15.767	15.904	16.363	15.460
12.219	13.359	16.356	13.923	13.144	13.278	14.917	13.729	12.776
51.089	50.712	49.943	50.258	49.566	49.662	49.381	49.287	48.541
27.638	27.225	25.026	23.655	22.966	22.601	22.279	23.840	22.694
398.847	341.167	361.886	342.066	316.572	317.699	310.621	314.807	292.295

2010	2011	2012	2013	2014	2015	2016	2017	2018
6%	6%	6%	4%	4%	3%	3%	3%	3%
12%	13%	10%	9%	10%	9%	10%	9%	10%
17%	18%	16%	16%	17%	15%	15%	13%	14%
9%	9%	8%	8%	8%	8%	8%	7%	8%
30%	23%	31%	33%	30%	33%	32%	35%	32%
4%	4%	4%	5%	5%	5%	5%	5%	5%
3%	4%	5%	4%	4%	4%	5%	4%	4%
13%	15%	14%	15%	16%	16%	16%	16%	17%
7%	8%	7%	7%	7%	7%	7%	8%	8%

100%