

B[a]P, t	1990	1991	1992	1993	1994	1995	1996	1997	1998	1999	2000	2001	2002	2003	2004	2005	2006	2007
Albania	2.6	2.6	2.6	2.6	2.6	2.6	2.6	2.6	2.6	2.6	2.6	2.6	2.6	2.6	2.5	2.5	2.5	2.4
Armenia	2.0	2.0	2.0	2.0	2.0	2.0	2.0	2.0	2.0	2.0	2.0	2.0	2.1	2.1	2.2	2.3	2.3	2.4
Austria	5.2	5.4	4.0	3.0	2.8	2.9	3.2	2.8	2.7	2.6	2.5	2.9	3.0	3.3	3.3	3.3	3.2	2.9
Azerbaijan	4.2	4.2	4.2	4.2	4.2	4.2	4.2	4.2	4.2	4.2	4.2	4.3	4.4	4.5	4.6	4.7	4.8	5.0
Belarus	10	10	10	10	10	10	10	10	10	10	10	10	10	9.5	9.1	10	11	11
Belgium	7.5	7.5	7.5	7.5	7.5	7.5	7.5	7.5	7.5	7.5	7.5	7.1	6.7	6.3	5.8	5.4	5.0	4.6
Bosnia&Herzegovina	4.8	4.8	4.8	4.8	4.8	4.8	4.8	4.8	4.8	4.8	4.8	4.6	4.5	4.3	4.1	3.9	3.8	3.6
Bulgaria	7.8	7.8	7.8	7.8	7.8	7.8	7.8	7.8	7.8	7.8	7.8	7.5	7.2	6.9	6.6	6.3	6.0	5.7
Croatia	4.0	3.7	3.5	3.3	3.1	2.9	2.7	2.7	2.5	2.3	2.6	2.0	2.1	2.7	2.6	2.5	2.5	2.1
Cyprus	0.10	0.08	0.09	0.10	0.10	0.12	0.10	0.10	0.12	0.10	0.08	0.09	0.09	0.09	0.10	0.11	0.10	0.12
Czech Republic	14	14	14	14	14	14	14	14	14	14	14	11	7.7	6.4	8.1	8.3	5.9	5.9
Denmark	1.9	2.2	2.2	2.3	2.3	2.2	2.4	2.4	2.1	2.2	2.7	2.9	2.8	3.2	3.4	3.9	4.2	5.1
Estonia	3.6	3.5	2.5	2.1	2.6	4.4	5.0	5.0	4.0	3.8	3.8	3.7	3.8	4.0	4.1	3.8	3.8	3.9
Finland	4.7	4.6	4.7	4.7	4.7	5.1	4.7	4.8	4.9	4.8	4.6	4.9	5.1	5.0	5.0	4.0	4.0	4.0
France	12	14	13	13	11	11	11	10	10	10	9	8	7	8	7.4	6.9	6.5	6.0
Georgia	0.11	0.11	0.11	0.11	0.11	0.11	0.11	0.11	0.11	0.11	0.11	0.08	0.11	0.15	0.15	0.27	0.15	0.31
Germany	65	51	38	36	33	33	33	36	33	33	33	36	35	34	32	32	34	33
Greece	6.2	6.2	6.2	6.2	6.2	6.2	6.2	6.2	6.2	6.2	6.2	6.3	6.5	6.7	6.9	7.0	7.2	7.4
Hungary	13	12	7.5	7.5	7.3	7.2	7.0	6.6	5.8	5.9	6.0	5.8	5.9	6.7	6.5	7.4	6.5	3.9
Iceland	0.02	0.02	0.02	0.03	0.03	0.03	0.03	0.03	0.03	0.04	0.05	0.05	0.06	0.06	0.06	0.06	0.06	0.06
Ireland	3.7	3.6	3.1	3.0	2.6	2.3	2.3	2.0	2.1	1.6	1.6	1.5	1.4	1.4	1.3	1.4	1.3	1.3
Italy	31	35	33	34	35	36	33	37	36	39	38	39	35	37	42	41	43	47
Kazakhstan	14	14	14	14	14	14	14	14	14	14	14	15	15	16	16	16	17	17
Kyrgyzstan	4.1	4.1	4.1	4.1	4.1	4.1	4.1	4.1	4.1	4.1	4.1	4.2	4.3	4.4	4.5	4.6	4.7	4.8
Latvia	12	13	12	11	11	12	12	13	12	12	12	11	12	12	12	13	12	12
Lithuania	5.3	6.4	7.5	8.6	9.7	11	12	13	14	15	15	16	17	18	3.6	3.7	3.8	3.5
Luxembourg	0.51	0.51	0.51	0.51	0.51	0.51	0.51	0.51	0.51	0.51	0.51	0.50	0.48	0.46	0.44	0.42	0.40	0.38
Malta	0.014	0.014	0.014	0.014	0.014	0.014	0.014	0.014	0.014	0.014	0.014	0.014	0.014	0.014	0.014	0.014	0.014	0.014
Monaco	0.00003	0.00003	0.00004	0.00004	0.00004	0.00004	0.00005	0.00005	0.00005	0.00005	0.00005	0.00005	0.00005	0.00005	0.00005	0.00004	0.00003	0.00004
Netherlands	6.2	6.2	6.2	6.2	6.2	6.2	6.2	6.2	6.2	6.2	6.2	5.9	5.6	5.2	4.9	4.6	4.3	4.0
Norway	2.1	2.0	1.9	2.0	2.0	2.0	2.1	2.1	2.0	1.8	1.9	2.1	2.3	1.8	2.0	2.2	2.3	1.9
Poland	46	51	50	73	67	69	65	57	51	51	48	47	46	46	46	48	47	45
Portugal	2.4	2.4	2.5	2.5	2.4	2.4	2.6	2.5	2.4	2.5	2.4	2.6	2.9	3.0	3.1	3.0	3.0	3.0
Republic of Moldova	3.9	2.9	1.5	0.94	1.4	0.92	1.2	1.1	0.78	0.77	0.87	0.80	0.96	0.94	0.82	0.83	0.88	0.88
Romania	135	126	118	110	101	93	84	76	67	59	51	42	34	25	17	17	16	17

Russia (European part)	18	17	16	15	15	15	15	15	15	15	15	17	18	18	18	18	18	18
Russia (Asian part)	4.9	4.6	4.2	4.1	4.1	4.1	4.0	4.0	4.0	4.1	4.1	4.5	4.8	4.8	4.8	4.8	4.8	4.8
Serbia&Montenegro*	8.5	8.5	8.5	8.5	8.5	8.5	8.5	8.5	8.5	8.5	8.5	8.4	8.2	8.1	8.0	7.8	7.7	7.5
Slovakia	8.1	7.3	6.6	5.8	5.0	4.2	4.0	3.9	3.9	3.8	3.7	3.9	3.6	3.9	4.7	5.3	4.9	5.0
Slovenia	3.9	4.0	3.9	3.7	3.6	3.6	3.5	3.5	3.4	3.4	3.4	3.0	3.0	3.0	2.9	2.9	2.9	3.0
Spain	27	27	27	27	27	27	27	27	27	27	27	26	25	24	23	22	20	19
Sweden	5.2	8.6	5.0	4.9	4.9	5.1	5.4	4.5	4.8	5.4	4.3	4.5	4.4	5.0	4.9	5.5	5.8	6.0
Switzerland	0.24	0.24	0.22	0.16	0.14	0.14	0.14	0.14	0.15	0.15	0.15	0.15	0.16	0.16	0.16	0.16	0.12	0.10
Tajikistan	2.8	2.8	2.8	2.8	2.8	2.8	2.8	2.8	2.8	2.8	2.8	2.8	2.8	2.8	2.8	2.8	2.8	2.8
The FYR of Macedonia	1.2	1.2	1.2	1.2	1.2	1.2	1.2	1.2	1.2	1.2	1.2	1.2	1.2	1.2	1.2	1.2	1.2	1.2
Turkey	47	47	47	47	47	47	47	47	47	47	47	46	45	44	43	42	41	40
Turkmenistan	0.28	0.28	0.28	0.28	0.28	0.28	0.28	0.28	0.28	0.28	0.28	0.28	0.28	0.28	0.28	0.28	0.28	0.28
Ukraine	94	94	94	94	94	94	94	94	94	94	94	95	96	97	97	98	99	100
United Kingdom	66	60	52	32	29	23	12	10	8.5	7.4	5.4	5.4	4.5	3.9	3.8	3.5	3.8	4.0
Uzbekistan	0.92	0.92	0.92	0.92	0.92	0.92	0.92	0.92	0.92	0.92	0.92	0.92	0.92	0.92	0.92	0.92	0.92	0.92
Extended EMEP grid	726	710	659	650	629	620	595	581	560	554	539	529	512	504	485	486	484	479

* for 2007 Serbia = 6.9; Montenegro = 0.6

Official data on B[a]P emissions
B[a]P emissions estimated on the basis of the official total PAH emission data
Expert estimates: B[a]P emission values were estimated using official emission data for the European part of Russia and keeping ratio between the European and Asian data on the population density derived from the GEIA inventory
Expert estimates: Denier van der Gon, H.A.C., M. van het Bolscher A.J.H. Visschedijk P.Y.J. Zandveld [2005] Study to the effectiveness of the UNECE Persistent Organic Pollutants Protocol and costs of possible additional measures Phase I: Estimation of emission reduction resulting from the implementation of the POP Protocol, TNO report B&O-A R 2005/194
Expert estimates: Zhang Y. and S.Tao [2009] Global atmospheric emission inventory of Polycyclic Aromatic Hydrocarbons (PAHs) for 2004. Atmos. Environ., vol.43, pp.812-819
Expert estimates: MEPA [2007] Interim report on the preliminary assessment of arsenic, cadmium, mercury, nickel and polycyclic aromatic hydrocarbons in ambient air in Malta. Malta Environment and Planning Authority Pollution Prevention and Control Unit