

Errata

International Co-operative Programme on Materials, including Historic and Cultural Monuments.

Trend exposure programme 2005 – 2006.

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Environmental data report October 2005 to December 2006

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Corrections / added data to the pages 11, 37 and 43.

Page 11:

Site 21, 23 and 44 Norway

Among the Norwegian sites, site 23, Birkenes report all data. Birkenes is the only station that report local monthly HNO_3 data. Sites 21, Oslo and 44, Svanvik report all the climate data, but only amount, mm, for precipitation. Site 44 reports all the gas data except two months for NO_2 . Site 44 also reports a full set of O_3 data from IVL. Station 21 reports all NO_2 and O_3 (IVL) data but misses two months for SO_2 .

Site 24 and 26 Sweden

The Swedish sites report temperature, T, and humidity, RH, with only one month missing for station 24, Stockholm. The Swedish sites report a full set of gas data from IVL. Station 26, Aspvreten, also reports a full set of local O_3 data.

Site 31 and 33 Spain

Site 31 Madrid and Site 33 Toledo report all the data except the two last months of gas data, SO_2 , NO_2 and O_3 , for site 33.

Site 35 Estonia

Site 35 Lahemaa reports full sets of all data.

Site 37 Canada

Site 37 Dorset do not report any local data due to lack of funding for the local measurements. Dorset reports a full set of IVL data for all three gases.

Site 40 France

Site 40 Paris report a full set of data for all parameters except the precipitation (pH, $\text{SO}_4\text{-S}$, $\text{NO}_3\text{-N}$ and Cl^-) for the four first months.

Site 45 Switzerland

Site 45 Chaumont reports full sets of all data.

Site 50 Poland

Site 50 Katowice reports full sets of all climate (only amount, mm, for precipitation) and gas data.

Site 51 Greece

Site 51 Athens reports a full sets of data, missing one month, September, for all the parameters, but only amount, mm, for precipitation. For particle concentration, PM_{10} the September value is included.

Appendix A: Monthly values for the test sites for the exposure period

Site no	Sampling period		Mandatory										Optional						
			Climate						Precipitation				Precipitation						Particles
	Year	Month	Temp °C	RH %	SO ₂ µg/m ³	NO ₂ µg/m ²	O ₃ µg/m ³	HNO ₃ µg/m ³	Amount mm	H+ pH	SO ₄ 2- mgS/l	NO ₃ - mgN/l	Cl- mgCl/l	Cond µS/cm	NH ₄ + mgN/l	Na+ mgNa/l	Ca ₂ + mgCa/l	Mg ₂ + mgMg/l	K+ mgK/l
35	2005	11	2.4	91	1.7	3.9	42	39.3	4.43	0.32	0.25	0.61	13.3	0.27	0.40	0.23	0.07	0.05	9.83
35	2005	12	-3.9	93	4.1	5.2	43	29.4	3.11	0.20	0.14	0.52	131.3	0.09	0.20	0.19	0.02	0.04	9.44
35	2006	1	-5.9	89	8.3	4.8	51	9.8	4.33	0.58	0.43	0.95	35.7	0.28	0.32	0.42	-0.10	0.19	10.33
35	2006	2	-9.9	90	10.4	6.1	65	24.8	4.86	0.22	0.27	0.22	7.5	-0.08	-0.10	0.30	-0.10	-0.10	13.40
35	2006	3	-6.4	85	11.0	5.6	81	37.9	4.73	0.20	0.29	0.24	8.0	0.09	0.14	0.24	-0.10	-0.10	10.55
35	2006	4	4.6	71	2.6	3.4	91	15.9	4.98	0.48	0.61	0.52	10.0	0.49	0.26	0.44	-0.10	0.12	14.98
35	2006	5	10.4	63	4.0	3.0	83	33.1	5.22	0.39	0.33	0.45	10.2	0.50	0.21	0.68	-0.10	0.52	18.13
35	2006	6	15.6	68	0.9	2.4	69	23.6	5.40	0.26	0.25	0.26	10.7	0.12	0.11	0.87	0.11	0.20	18.10
35	2006	7	17.9	61	1.4	1.9	68	0.5		0.34	0.01	0.29		0.05	0.64	2.48	0.19	0.40	14.80
35	2006	8	17.0	75	1.9	2.7	59	65.4	5.61	0.36	0.08	0.08	9.3	0.11	0.07	0.53	0.04	0.03	20.53
35	2006	9	13.1	85	0.7	2.3	52	13.5	5.53	0.27	0.02	0.33	3.8	0.01	0.19	0.42	0.04	0.03	11.86
35	2006	10	7.5	93	0.8	2.5	37	109.6	4.94	0.25	0.20	0.45	9.9	0.15	0.41	0.22	0.05	0.06	7.63
35	2006	11	1.3	94	0.6	3.3	44	48.5	4.73	0.39	0.27	0.79	11.5	0.15	0.55	0.18	0.09	0.07	6.15

Appendix B: Yearly average values for the test sites for the exposure period.

		Mandatory											Optional												
		Climate				Precipitation							Precipitation				Particles								
Site no	Sampling period Year	Temp °C	RH %	SO ₂ μg/m ³	IVL-passive SO ₂ μg/m ³	NO ₂ μg/m ²	IVL-passive NO ₂ μg/m ³	O ₃ μg/m ³	IVL-passive O ₃ μg/m ³	HNO ₃ μg/m ³	IVL-passive HNO ₃ μg/m ³	Amount mm	H+ pH	SO ₄ 2- mgS/l	NO ₃ - mgN/l	Cl- mgCl/l	IVL passive sampler μg cm ⁻² month	Cond μS/cm	NH ₄ + mgN/l	Na+ mgNa/l	Ca ₂ + mgCa/l	Mg ₂ + mgMg/l	K+ mgK/l	Conc. PM ₁₀ μg/m ³	
1	05/06	9.3	74	11.1		40.0		12			0.85	491.4	5.69	4.90	8.20	1.55	20.8	37.5							20.2
3	05/06	8.3	76	18.1		25.2		22			0.69	442.2	5.91	7.67	5.99	1.12	20.3	38.2							20.5
10	05/06	11.2	76	16.4		33.0		37			0.75	761.3	5.83	11.23	8.60	6.00	19.5	35.4	5.48	2.48	4.21	0.58	0.56	31.1	
13	05/06					28.7		19																	
14	05/06	15.8	66	0.1		4.8		51																	
15	05/06	14.0	56	7.4		66.3		28				632.0													
16	05/06	13.9	76	2.3								889.0													
21	05/06	7.2	74	1.3		26.9			36		0.41	869.1					11.2								
23	05/06	6.2	79	0.5		1.6		61		0.09	0.19	1623.1	4.64	0.44	0.45	1.57	4.8	20.9	0.37	0.89	0.09	0.11	0.06	6.5	
24	05/06	8.9	74		1.8		13.1		58		0.70						31.3								
26	05/06	6.3	84		0.6		2.1	66	44		0.15						4.1								
31	05/06	15.3	56	1.6		21.5		49			1.12	399.0	6.29	0.41	0.33	0.40	15.1	12.4	0.41	0.28	1.07	0.08	0.09		
33	05/06	12.1	69	0.9		4.1		88			0.60	689.4	6.11	0.45	0.33	0.70	10.5	14.2	0.38	0.45	0.82	0.09	0.13		
35	05/06	5.2	80	4.0		3.7		62			0.43	402.8	4.16	0.29	0.22	0.38	10.6	19.2	0.18	0.24	0.37	0.05	0.10	13.3	
37	05/06				1.3		1.7		53		0.37						5.0								
40	05/06	12.6	73	6.6		39.3		38			0.98	571.0	6.21	6.60	0.38	11.07	32.6								22.4
41	05/06										0.53						32.1								
44	05/06	0.3	78	6.9		1.9		67	54		0.06	711.4					8.9								
45	05/06	6.2	80	1.1		6.9		86			0.55	1403.7	5.15	0.44	0.22	0.11	6.0	8.1	1.06	0.07	0.20	0.02	0.05		
50	05/06	7.5	76	36.1		43.2		38			1.09	673.8					28.7								58.0
51	05/06	18.3	70	20.1		67.8		20			1.11	374.2					145.9								54.9
52	05/06	7.0	76		1.8		21.4	16	43		0.38	545.3	6.42	0.55	0.39	1.26	57.2	38.0	0.57	1.32	1.40	0.39	0.62	49.9	