Summary of PM$_{10}$ and PM$_{2.5}$ monitoring methods in Europe

1. An analysis of PM$_{10}$ and PM$_{2.5}$ monitoring methods used in the various networks across Europe has been recently completed (CAFE Working Group, 2003). A summary is provided in Table A4.1. ß-absorption analysers, followed by TEOM analysers are the most widely used instruments

Table A4.1 PM$_{10}$ and PM$_{2.5}$ measurement methods currently used in European countries (source: CAFE Working Group on Particulate Matter, 2004).

Country	PM$_{10}$ (24 h)		PM$_{2.5}$ (24 h)	
	Method	**Number of measuring points**	**Method**	**Number of measuring points**
Austria	ß-absorption TEOM Gravimetry	31 12 12	Gravimetry	1
Belgium	ß-absorption TEOM	17 21	TEOM	10
Bulgaria	ß-absorption	8	—	—
Czech Republic	ß-absorption TEOM Gravimetry	55 2 10	—	—
Denmark	ß-absorption TEOM Gravimetry	10 2 10	TEOM	2
Estonia	ß-absorption	3	—	—
Finland	ß-absorption TEOM Gravimetry	13 28 13	ß-absorption	4
France	ß-absorption TEOM	72 253	TEOM	43
Germany	ß-absorption TEOM Gravimetry	254 16 169	ß-absorption TEOM Gravimetry	2 2 19
Greece	ß-absorption TEOM Gravimetry	14 3 1	Gravimetry	1

Country	PM$_{10}$ (24 h)		PM$_{2.5}$ (24 h)	
	Method	**Number of measuring points**	**Method**	**Number of measuring points**
Hungary	ß-absorption Gravimetry	22 2	Gravimetry	2
Iceland	ß-absorption	1	—	—
Italy	ß-absorption Gravimetry	22 4	—	—
Latvia	ß-absorption	1	—	—
Norway	ß-absorption TEOM Gravimetry	10 10 2	TEOM Gravimetry	3 2
Poland	ß-absorption Gravimetry	9 18	—	—
Portugal	ß-absorption	11	—	—
Slovakia	TEOM	23	TEOM	6
Slovenia	Gravimetry	3	—	—
Spain	ß-absorption TEOM Gravimetry Optical	194 61 75 11	TEOM Gravimetry Optical	2 11 10
Sweden	TEOM Gravimetry	18 8	TEOM Gravimetry	10 8
Switzerland	ß-absorption TEOM Gravimetry	10 10 35	Gravimetry	6
Netherlands	ß-absorption	19	TEOM	5
United Kingdom	ß-absorption TEOM Gravimetry	1 69 6	TEOM	4