atmosphere

MDPI

Supplementary Materials

Evasion of Gaseous Elemental Mercury from forest and urban soils contaminated by historical and modern ore roasting processes (Idrija, Slovenia)

Federico Floreani [1]*, Elena Pavoni [1], Mateja Gosar [2] and Stefano Covelli [1]

Table S1. Summary of Hg content in soils, calculated Hg^0 fluxes at soil-air interface and main meteorological parameters recorded during sampling on all measuring plots.

Site	Plot	Land Cover	Soil Hg			Hg^0 flux (ng m^{-2} h^{-1})	Soil T (°C)	UV rad. (W m^{-2})	Air T (°C)
			Total (mg kg^{-1})	α-HgS (%)	Hg-OM (%)				
ID1	A	Grass	8.91	52.8	40.1	85.3	25	21.4	
	B	Grass	7.32	52.0	48.0	70.7	26	19.8	30.3
	C	Grass	13.1	48.9	50.1	71.5	24	18.3	
ID2	A	Grass	219	87.4	25.5	687	28	33.3	
	B	Grass	152	78.3	29.1	702	26.5	27.8	31.3
	C	Grass	128	78.9	24.4	427	28	27.8	
ID3	A	Grass	205	36.1	59.4	458	28	29.1	
	B	Grass	225	29.7	65.9	445	29	25.4	31.1
	C	Grass	120	22.0	72.9	392	30	18.2	
	D	Bare soil	171	37.9	57.6	538	32	21.4	
PS1	A	Grass	13.3	64.9	35.1	198	27	35.4	
	B	Grass	22.8	60.5	39.5	171	27	36.9	30.3
	C	Grass	11.1	52.8	47.2	70.8	27	15.2	
PS2	A	Forest + litter	10400	47.2	17.2	290	23	0.8	26.6
	A_r2	Forest bare soil				333	24	0.9	
	B	Forest + litter	6815	54.6	28.6	160	21	0.9	
	B_r2	Forest bare soil				317	19.5	0.8	
	C	Forest bare soil	2184	59.1	22.4	2466	20	1.5	