

Table 1 – Average chemical compositions of the upper crustal rocks, of domain 1 rock-types and of the PAAS (see Fig.2).

	Stilo phyllites		Mammola	Stefanaconi	PAAS**
	n=4	σ	Paragneisses n=2	Paragneisses* n=2	
SiO ₂	63.04	5.56	65.89	60.78	62.8
Al ₂ O ₃	16.77	4.11	16.50	16.02	18.9
TiO ₂	0.80	0.14	0.85	0.96	1.0
FeO*	6.05	1.72	5.73	7.71	6.5
MnO	0.07	0.05	0.05	0.12	0.11
MgO	2.11	0.31	1.39	3.64	2.2
CaO	0.95	1.24	0.54	2.21	1.3
Na ₂ O	2.18	1.11	2.81	2.53	1.2
K ₂ O	3.00	1.46	3.33	3.36	3.7
P ₂ O ₅	0.15	0.03	0.21	0.20	0.16
LOI	3.67	0.89	2.09	1.95	6.0
Cs	8.30	4.66	4.15	-	15
Ba	982	737	741	676	650
Rb	137	72	143	141	160
Sr	63	17	107	216	200
Y	31	5	45	36	27
Zr	184	20	271	225	210
Nb	13	4	15	18	19
V	111	30	83	134	150
Cr	146	12	135	131	110
Co	16	5	15	-	23
Ni	30	20	11	60	55
Sc	17	4	17	24	16
Pb	15	10	76	23	20
Th	12.17	4.10	15.35	15.68	14.6
U	2.82	0.67	3.89	1.83	3.1
La	37.80	11.72	46.65	40.15	38
Ce	73.63	21.29	94.05	81.20	80
Pr	8.43	2.42	10.50	-	8.9
Nd	32.45	8.64	41.45	36.10	32
Sm	6.33	1.43	8.62	7.93	5.6
Eu	1.35	0.29	1.71	1.81	1.1
Gd	6.02	1.45	8.53	6.46	4.7
Tb	0.93	0.19	1.36	-	0.77
Dy	5.20	1.04	7.75	5.35	4.4
Ho	1.05	0.20	1.56	-	1.0
Er	3.14	0.58	4.69	3.21	2.9
Tm	0.47	0.07	0.70	-	0.40
Yb	2.93	0.54	4.42	3.14	2.8
Lu	0.41	0.06	0.63	0.55	0.43

*: data from Caggianelli et al. (1991)

**: data from Taylor and McLennan (1985)