

Table 5: Summary of spatial modelling of topsoil (0-30 cm) indicators of salt accumulation

Study area	Attribute	Harmonized old soil data (2001-2004)			Harmonized new soil data (2018)		
		EC	pH	ESP	EC	pH	ESP
Lesotho	Range (mean)	0-0.5(0.2)	4.5-8.8(6.3)	0.1-4.7(0.7)	0.1-2.5(0.6)	4.5-7.8(6.2)	0.1-20(4)
	Bias	0.003	-0.24	-0.02	-0.06	-0.002	0.059
	RMSE	0.04	0.47	0.08	0.25	0.124	0.35
	R ²	0.88	0.81	0.75	0.82	0.97	0.96
Afghanistan	Range (mean)	5-16(10)	8.4-8.7(8.6)	4-7(4.6)	1-30(15)	7.7-9.6(8.6)	0.5-19(5)
	Bias	0.22	0.001	-0.04	-0.62	0.08	-0.21
	RMSE	0.38	0.018	0.1	0.91	0.27	0.27
	R ²	0.91	0.96	0.93	0.87	0.97	0.81
Sudan	Range (mean)	0-141(2.2)	5-9.9(7.9)	3-160(7.6)	0-130 (1.8)	4.5-9.8(7.9)	8-130(10)
	Bias	-0.19	-0.02	-0.9	-0.27	0.03	-0.54
	RMSE	0.41	0.15	0.95	0.85	0.12	0.34
	R ²	0.89	0.90	0.82	0.97	0.96	0.92