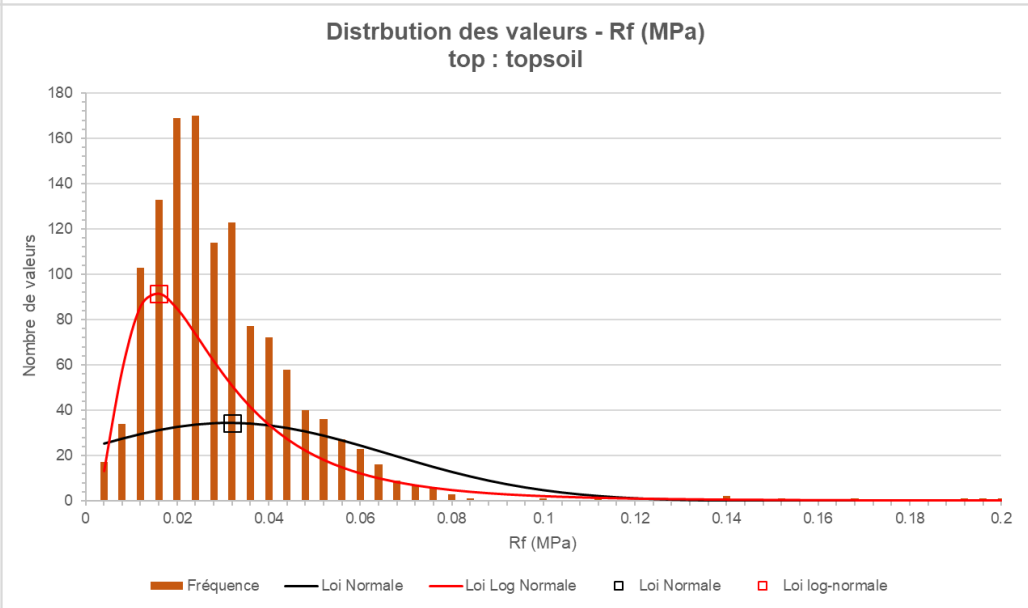
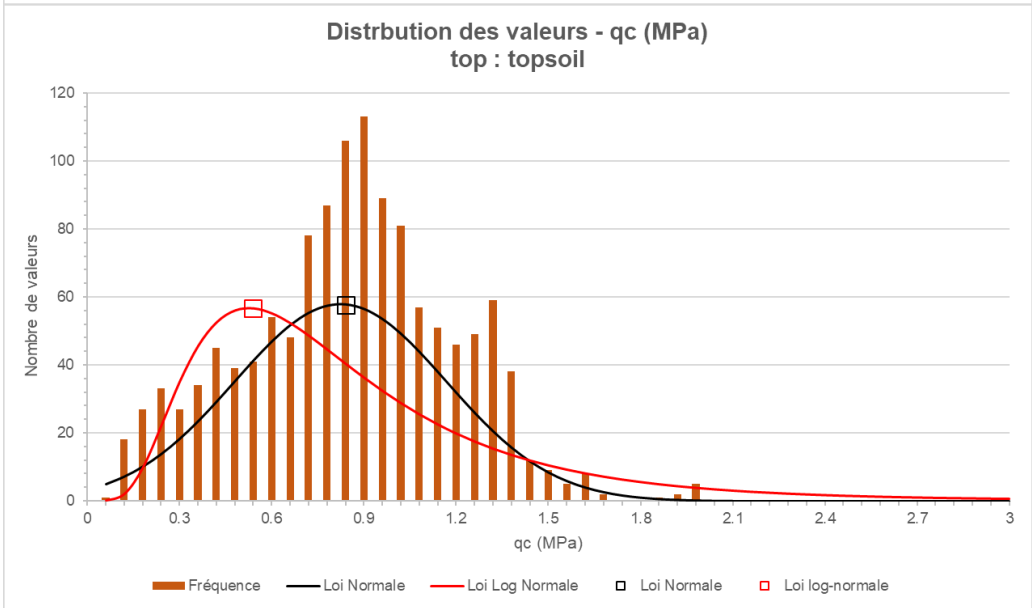
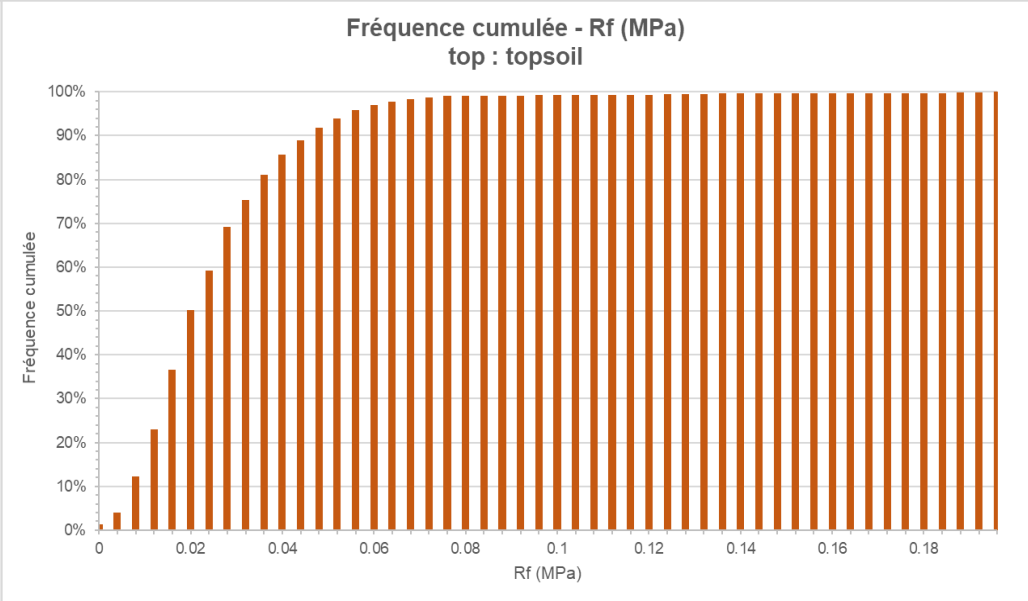
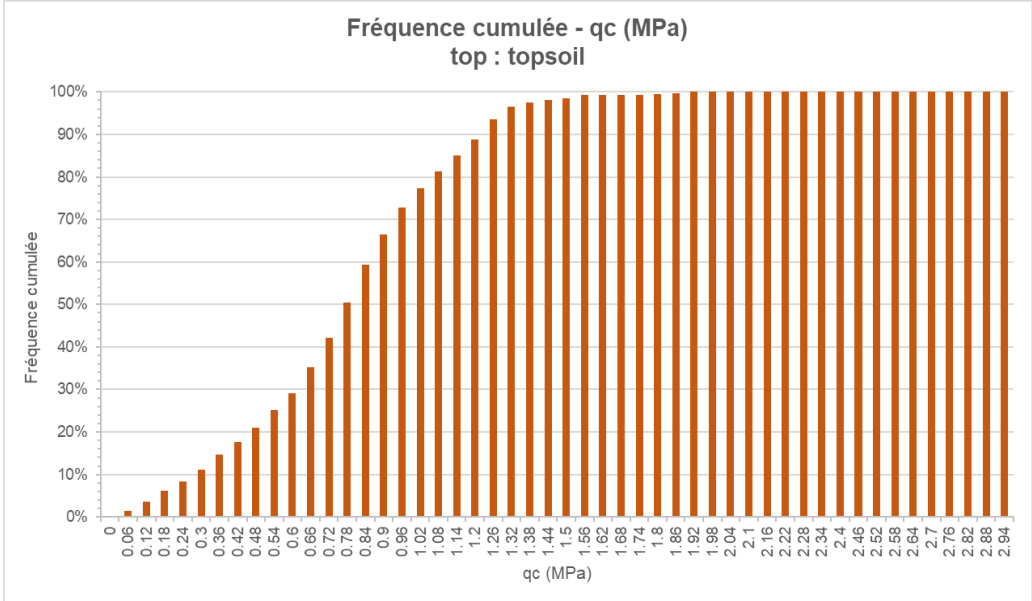
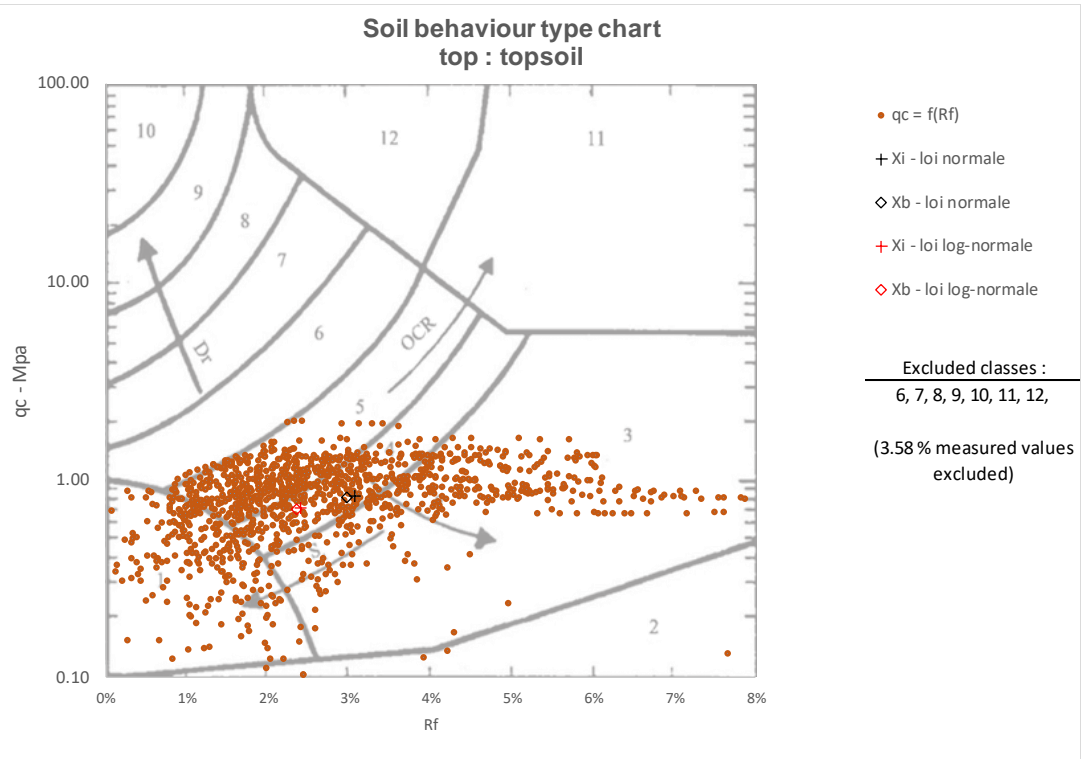
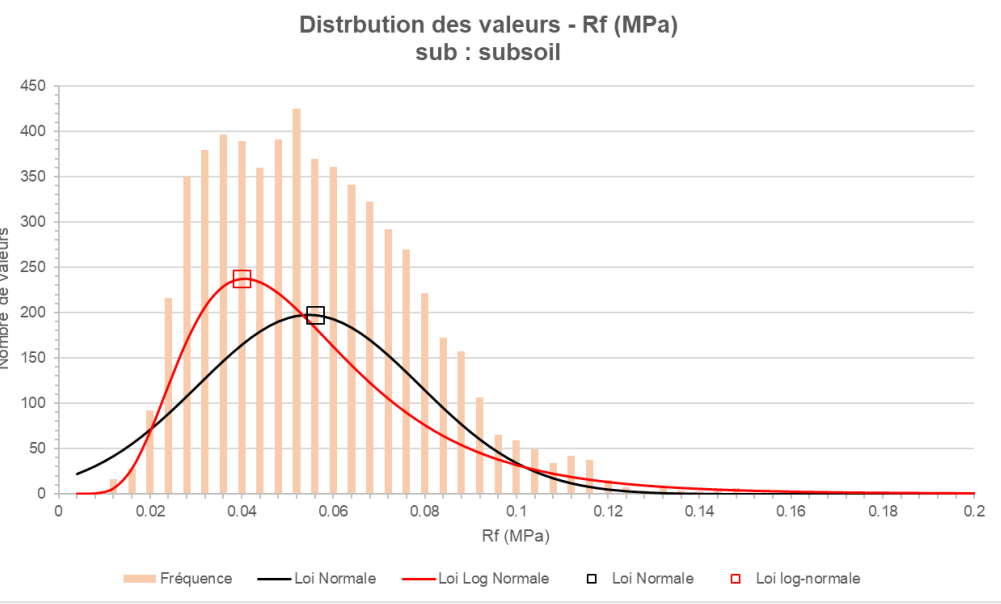
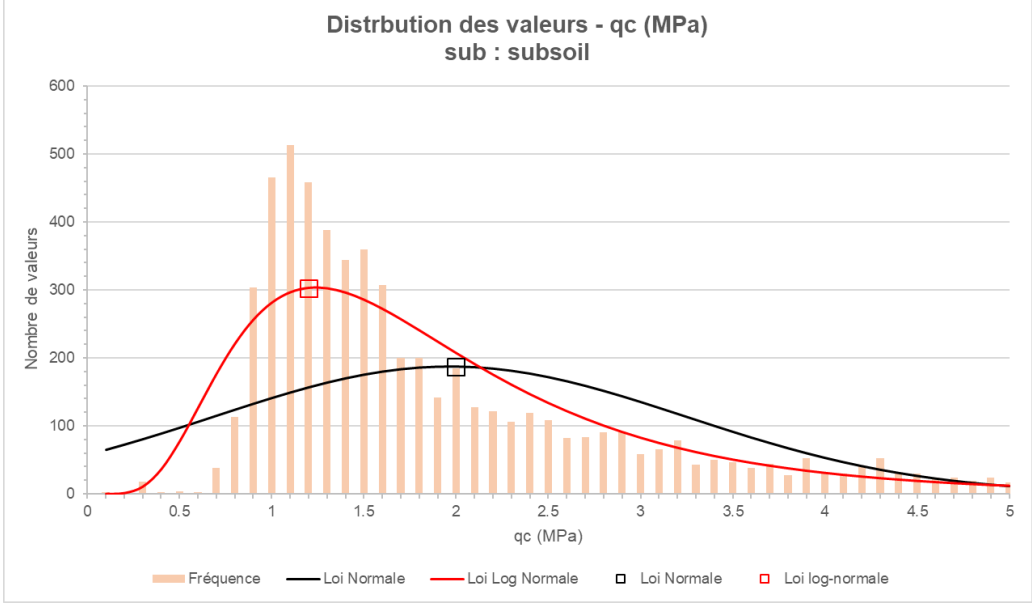
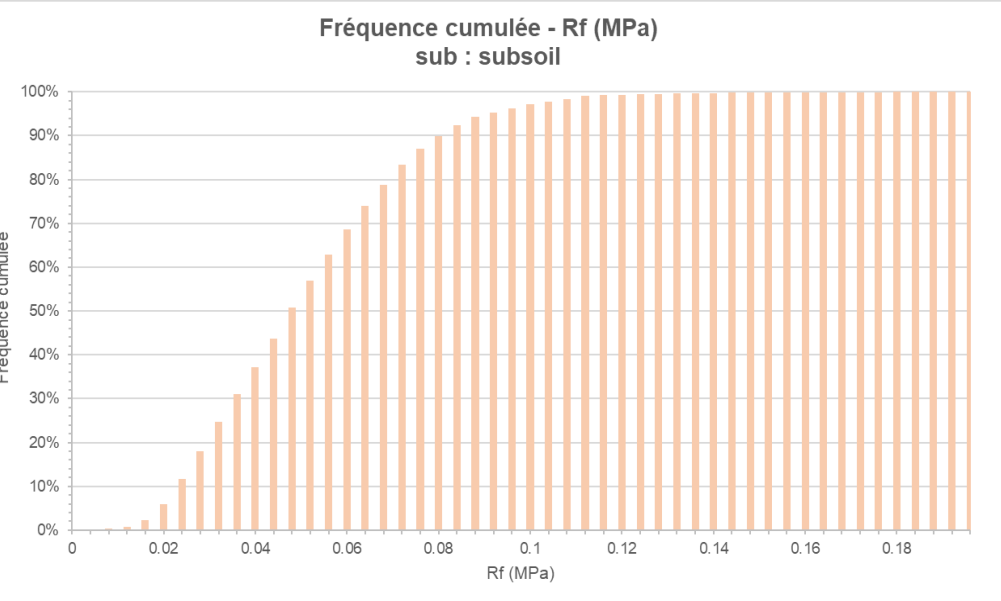
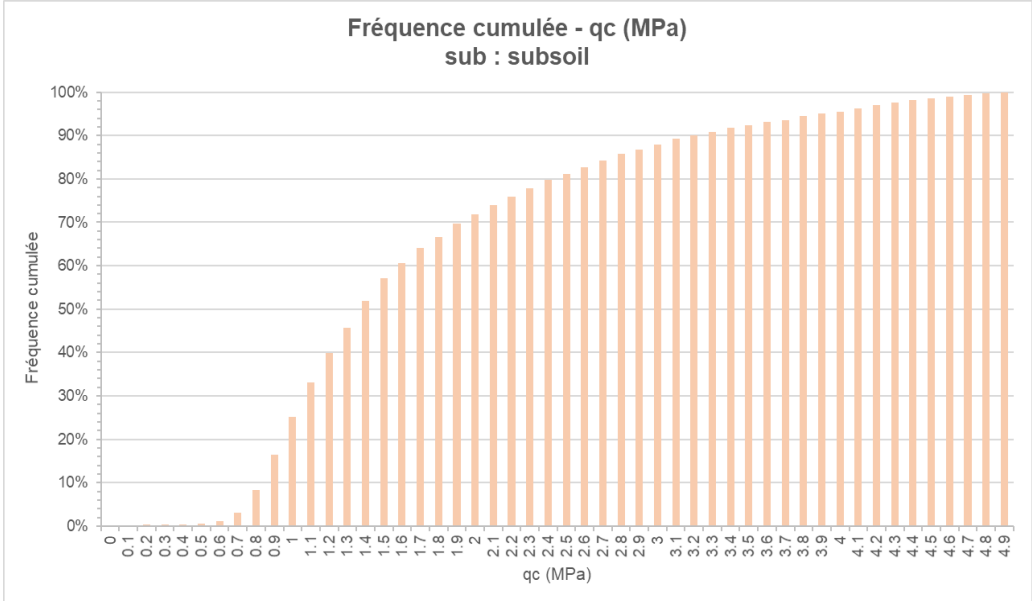
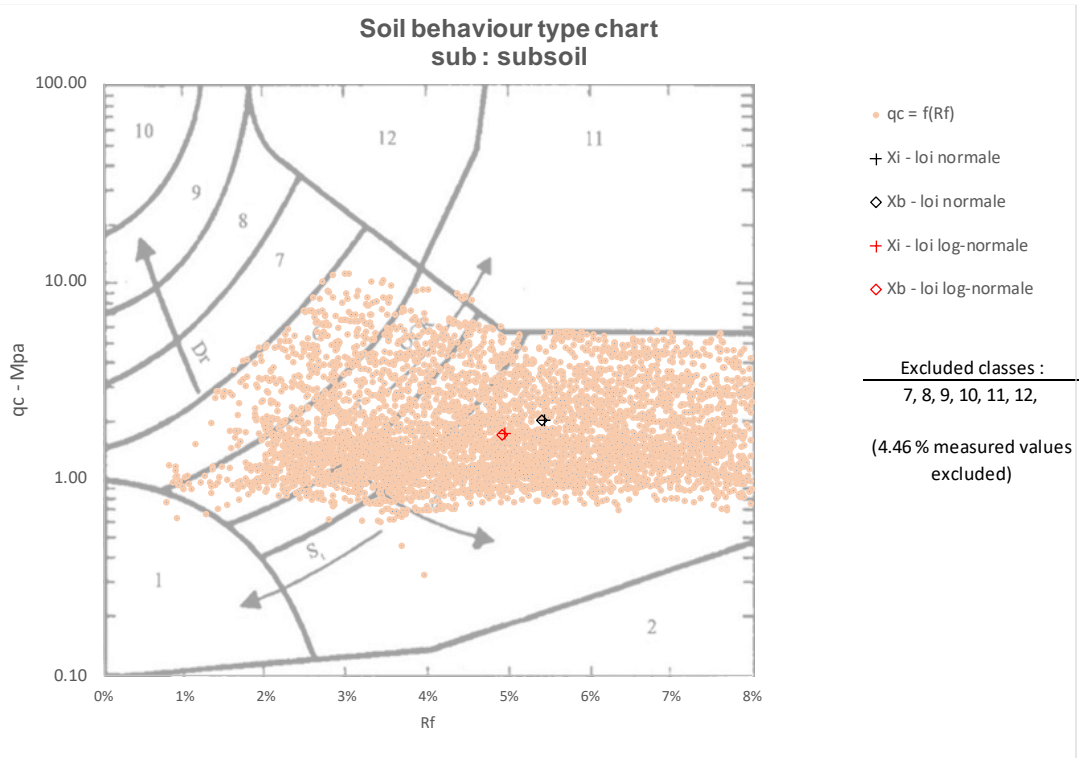


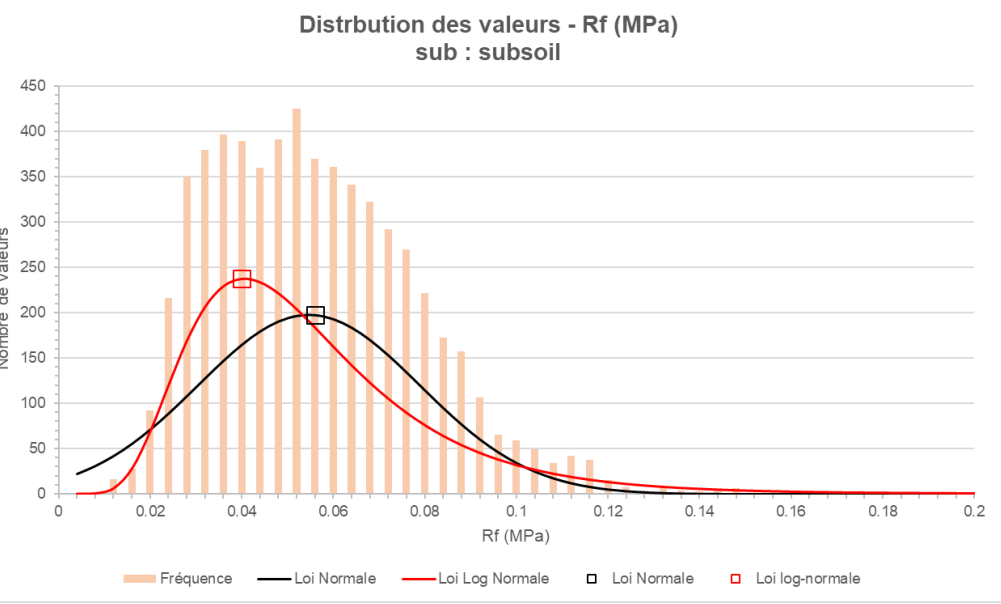
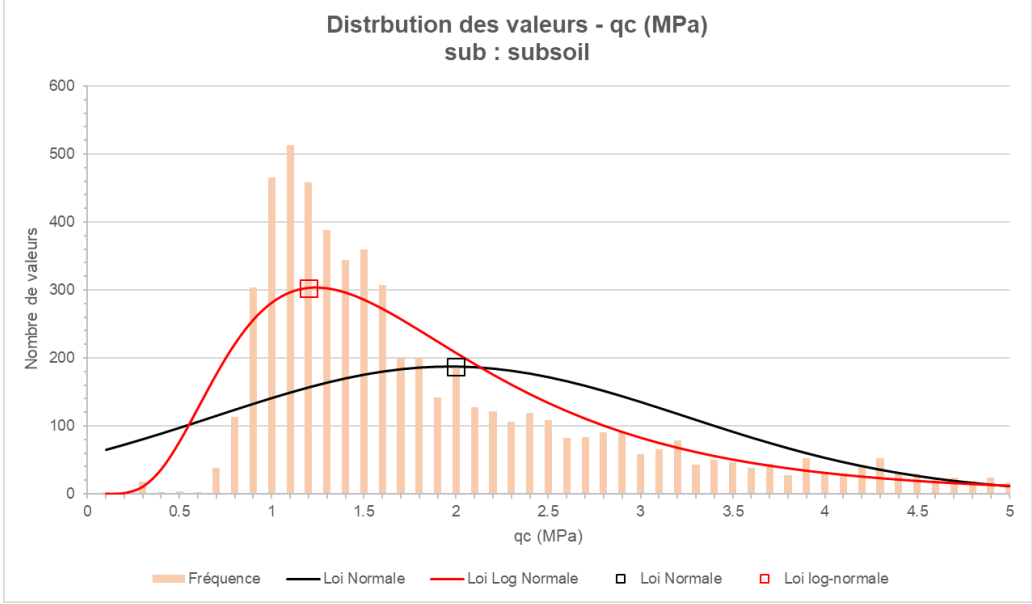
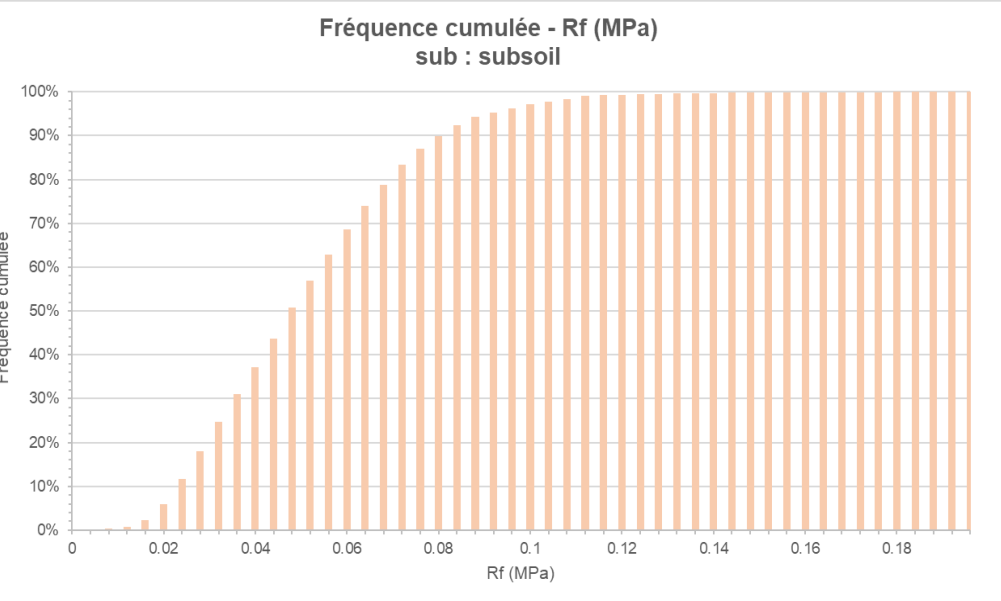
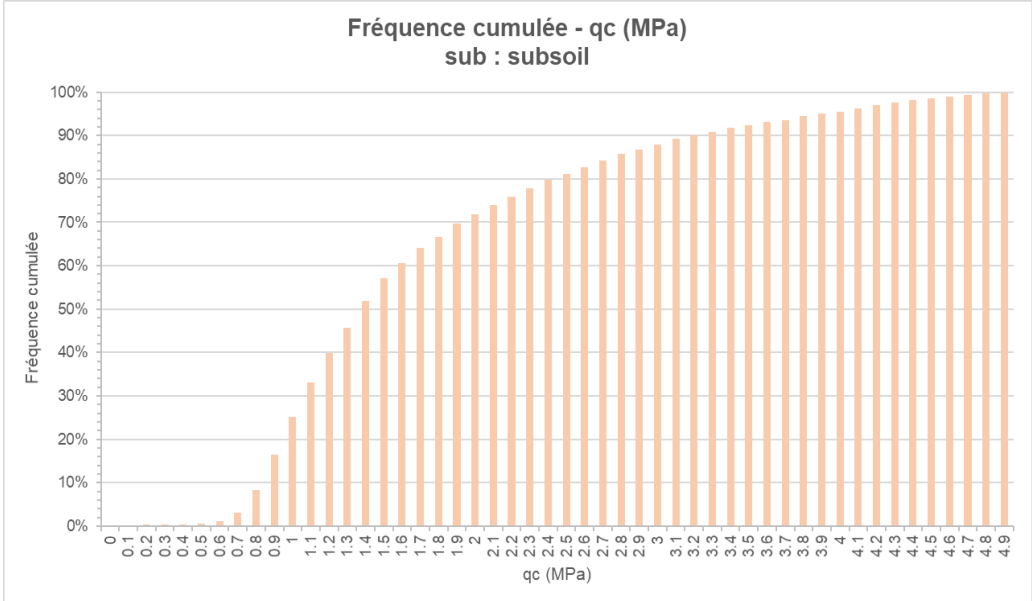
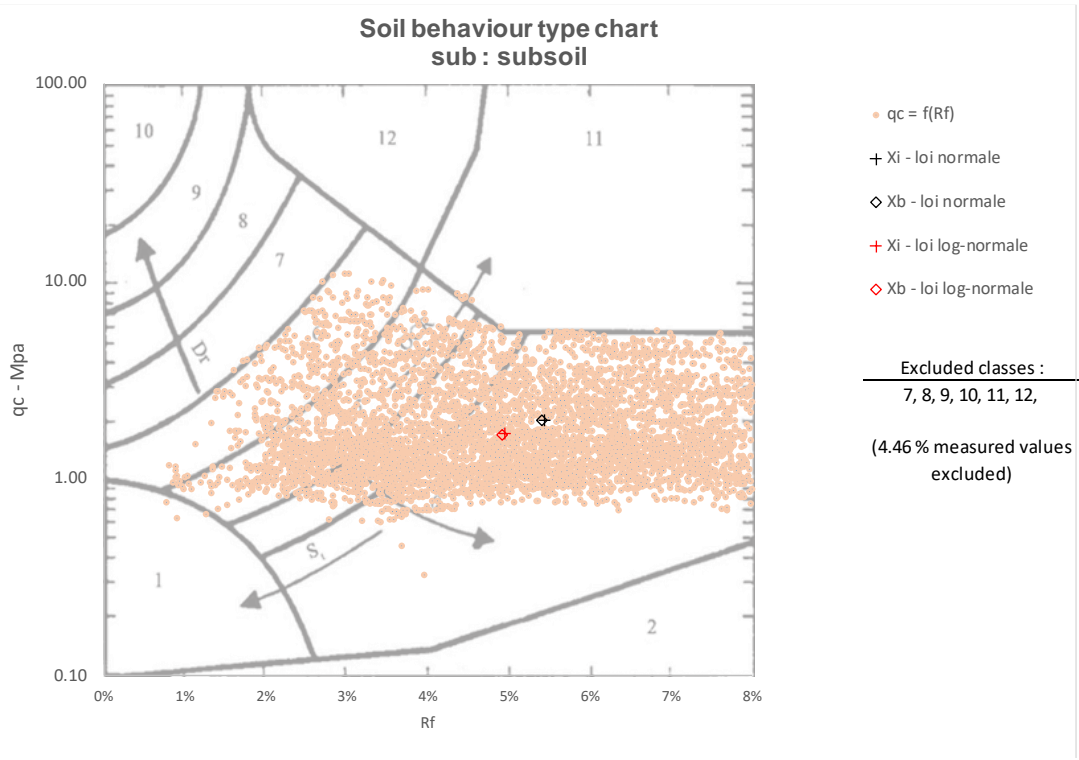
Horizon	top : topsoil		
Nombre de valeurs	1265		
Ka [N, a = 25%]	0.019		
Kb [N, b = 25%]	0.046		
Distribution	Loi normale		
Paramètre	qc	fs	Rf
Unité	[MPa]	[MPa]	[%]
Valeur mini	0.05	0.00	0.07%
Valeur maxi	1.97	0.09	52.42%
Moyenne arithmétique	0.82	0.02	3.12%
Moyenne harmonique	0.58	0.01	1.87%
Moyenne géométrique	-	-	-
Médiane	0.84	0.02	2.41%
Ecart-type	0.35	0.02	3.48%
Valeur moyenne inférieure Xmi	0.82	0.02	2.96%
Valeur moyenne basse Xmb	0.81	0.02	2.94%
Paramètre	qc	fs	Rf
Unité	[MPa]	[MPa]	[%]
Valeur retenue	0.80	0.02	2.94%



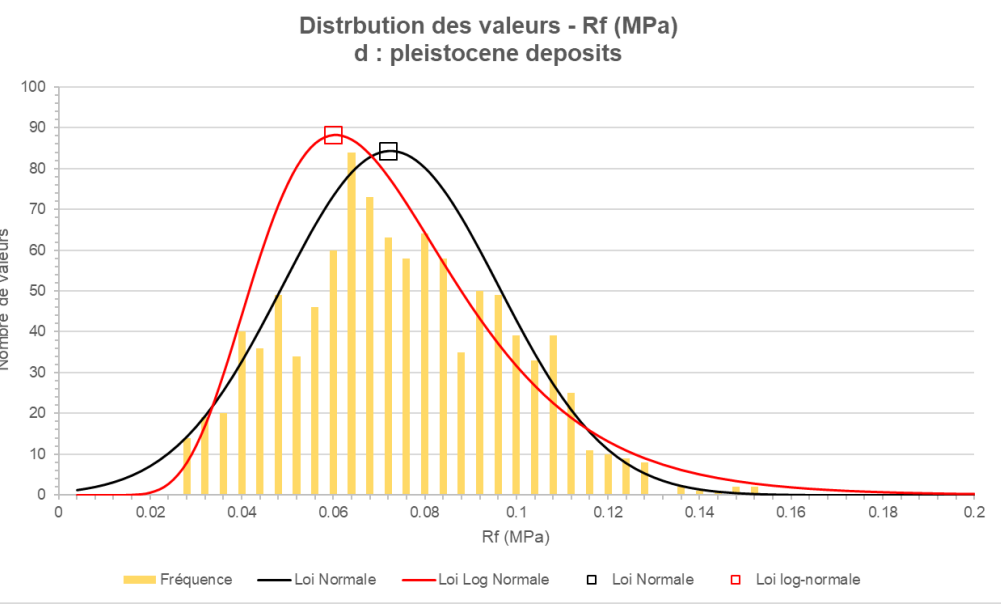
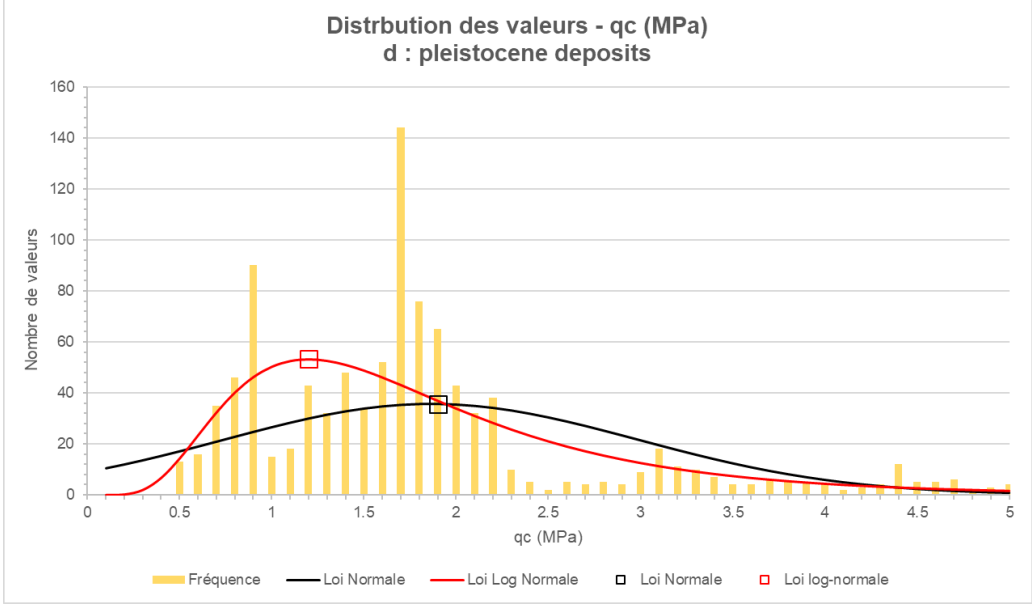
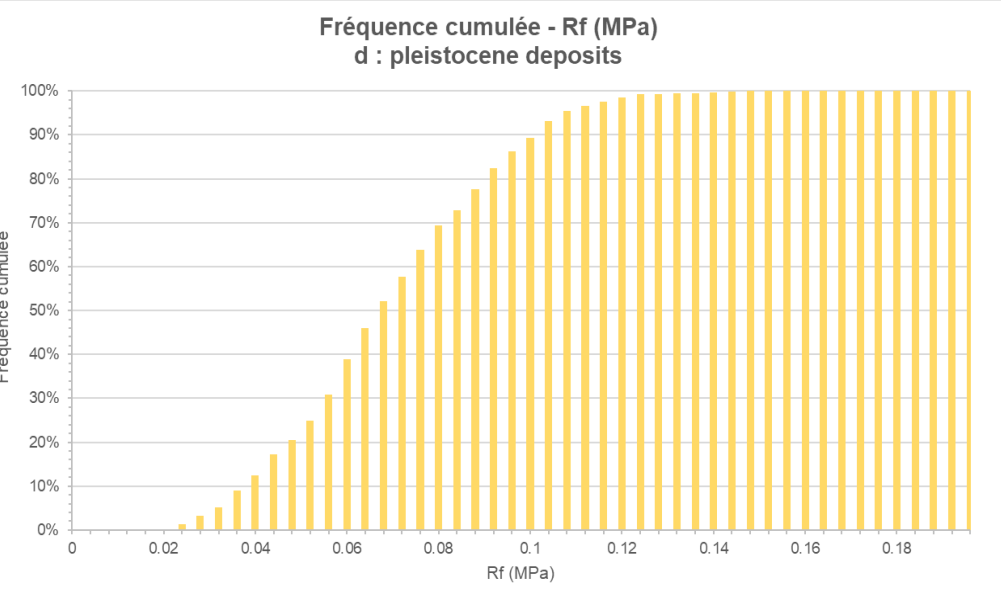
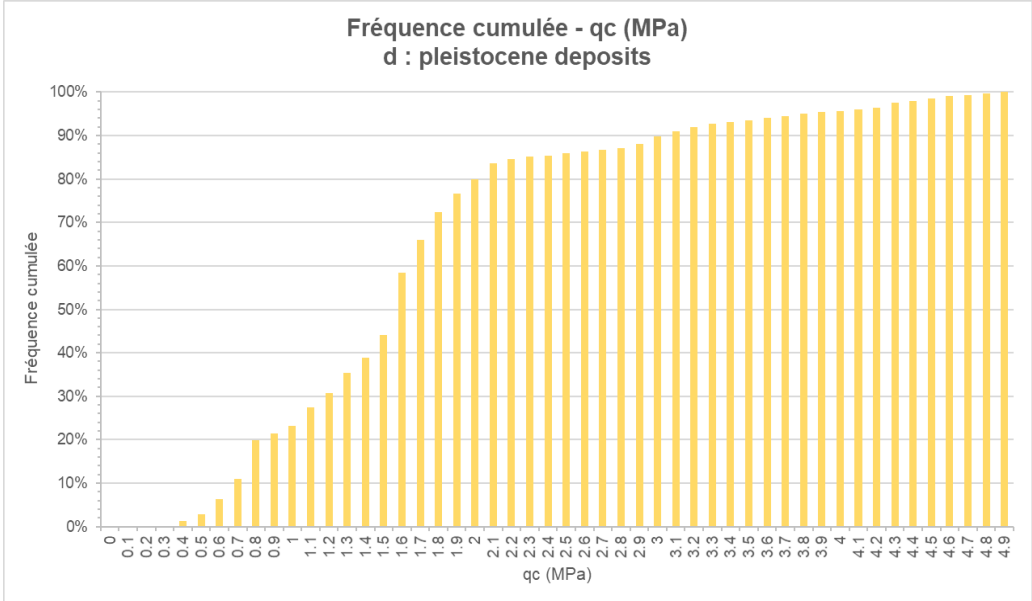
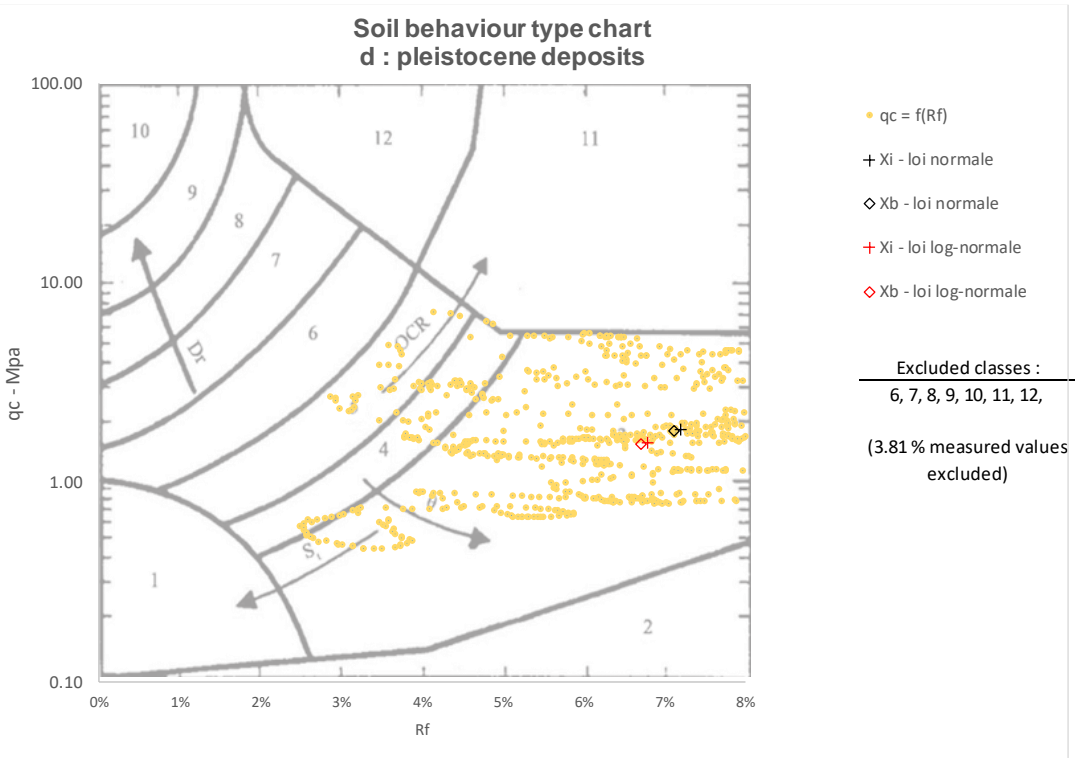
Horizon	sub : subsoil		
Nombre de valeurs	6017		
Ka [N, a = 25%]	0.009		
Kb [N, b = 25%]	0.021		
Distribution	Loi log-normale		
Paramètre	qc	fs	Rf
Unité	[MPa]	[MPa]	[%]
Valeur mini	0.01	0.00	0.77%
Valeur maxi	10.85	0.41	22.85%
Moyenne arithmétique	1.97	0.10	5.46%
Moyenne harmonique	1.41	0.06	4.46%
Moyenne géométrique	-	-	-
Médiane	1.50	0.08	5.16%
Ecart-type	1.28	0.07	2.43%
Valeur moyenne inférieure Xmi	1.66	0.08	4.95%
Valeur moyenne basse Xmb	1.65	0.08	4.94%
Paramètre	qc	fs	Rf
Unité	[MPa]	[MPa]	[%]
Valeur retenue	1.60	0.08	4.94%



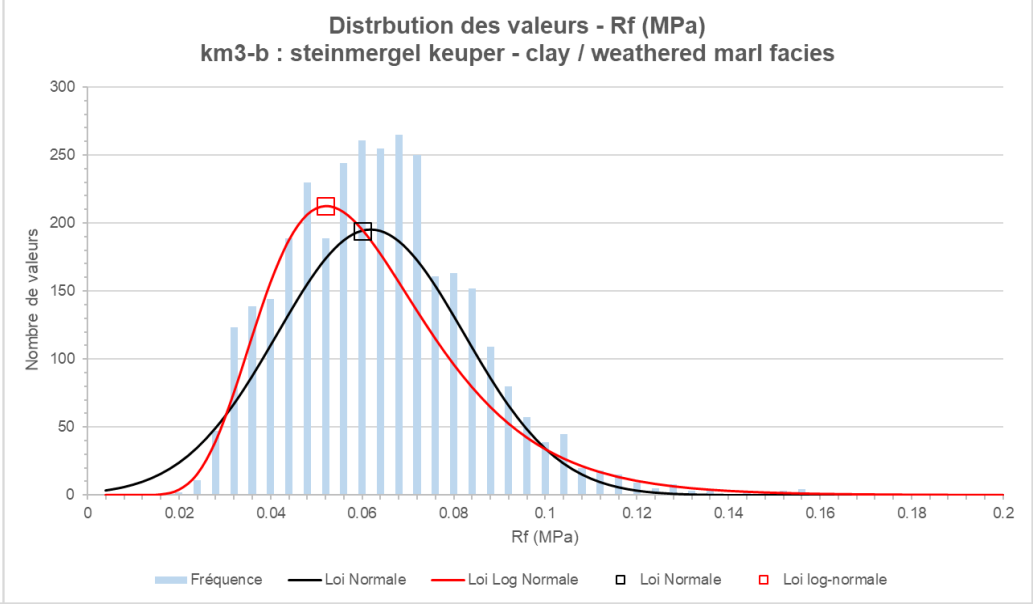
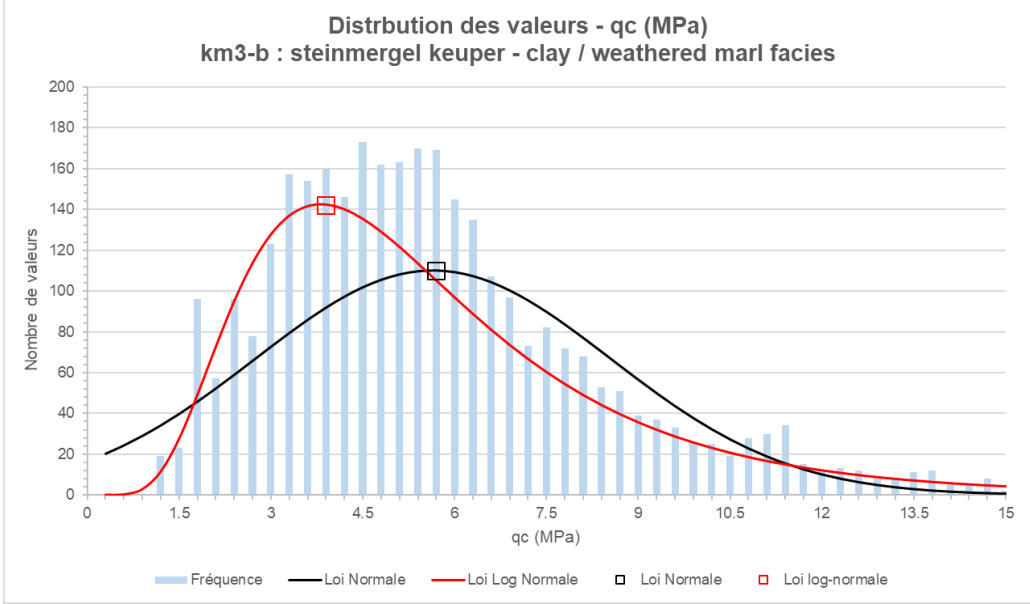
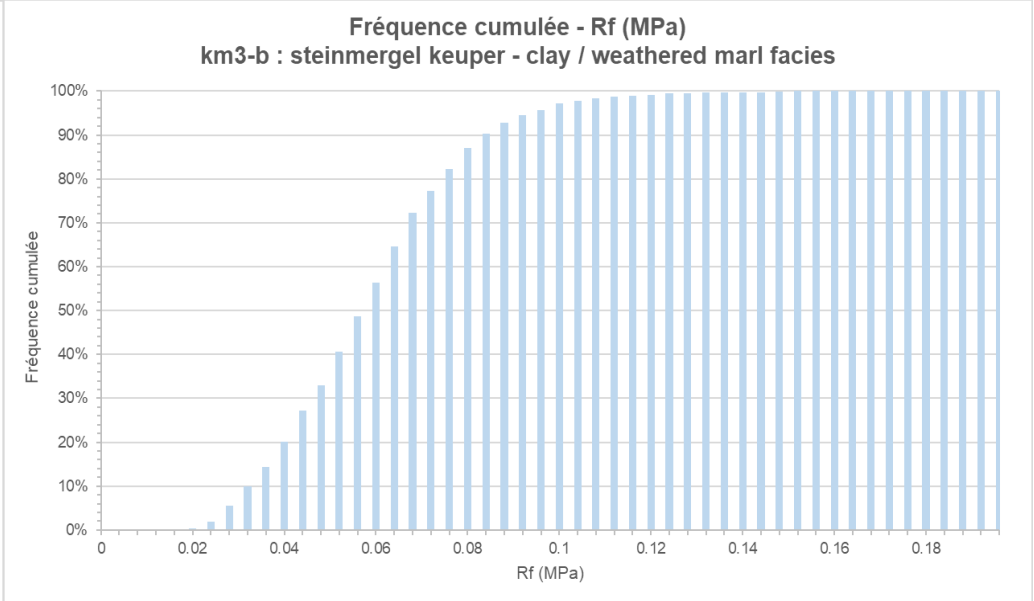
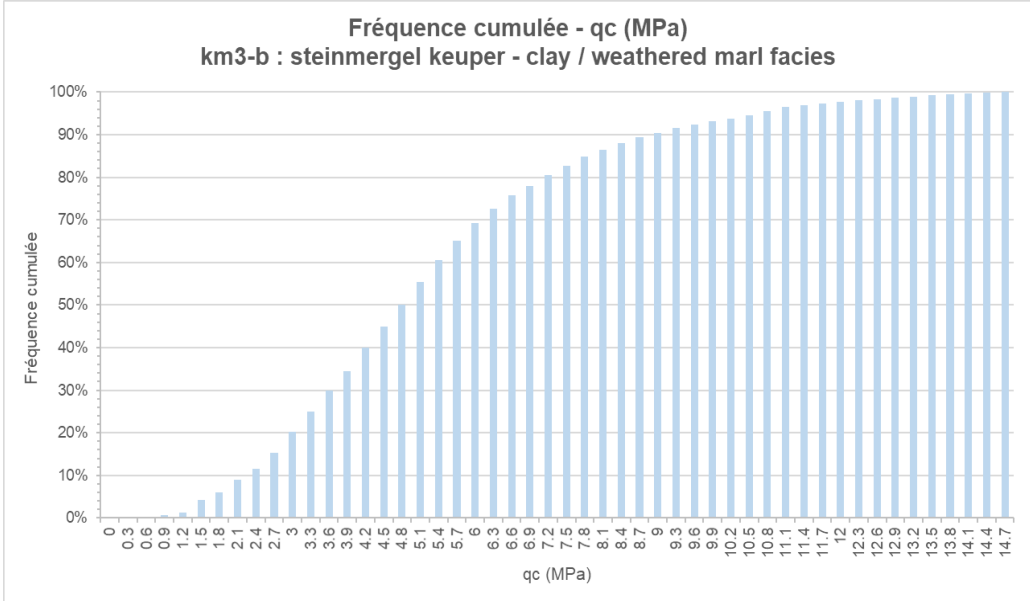
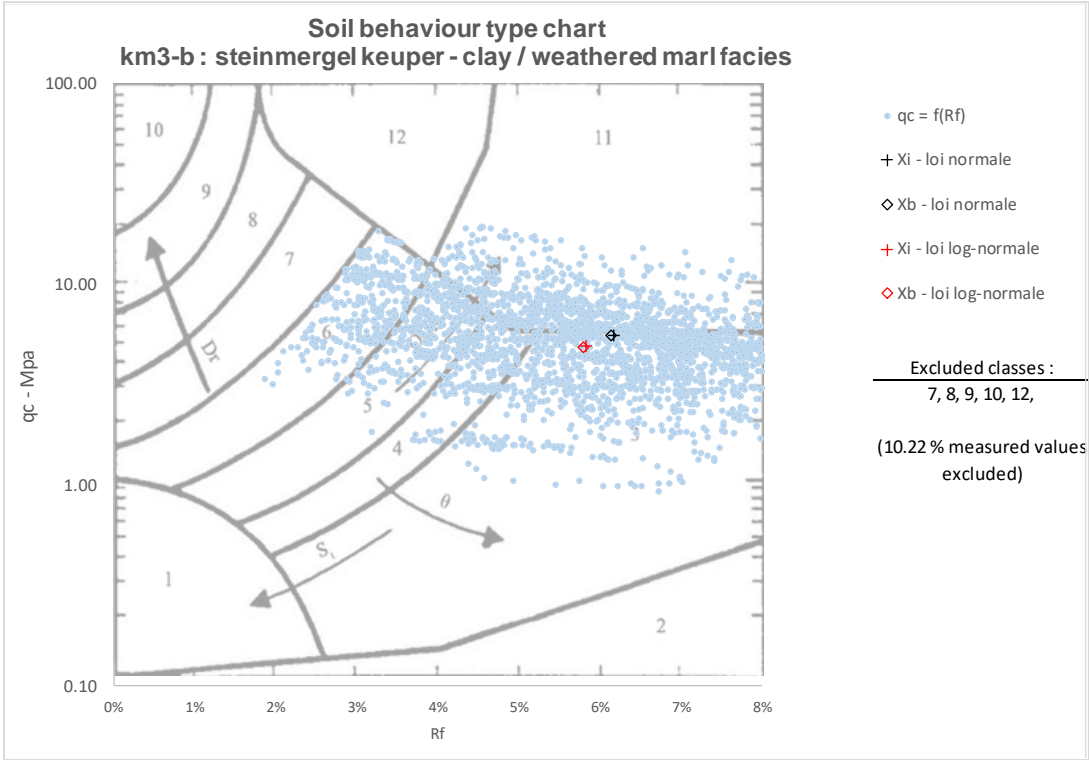
Horizon	sub : subsoil		
Nombre de valeurs	6017		
Ka [N, a = 25%]	0.009		
Kb [N, b = 25%]	0.021		
Distribution	Loi log-normale		
Paramètre	qc	fs	Rf
Unité	[MPa]	[MPa]	[%]
Valeur mini	0.01	0.00	0.77%
Valeur maxi	10.85	0.41	22.85%
Moyenne arithmétique	1.97	0.10	5.46%
Moyenne harmonique	1.41	0.06	4.46%
Moyenne géométrique	-	-	-
Médiane	1.50	0.08	5.16%
Ecart-type	1.28	0.07	2.43%
Valeur moyenne inférieure Xmi	1.66	0.08	4.95%
Valeur moyenne basse Xmb	1.65	0.08	4.94%
Paramètre	qc	fs	Rf
Unité	[MPa]	[MPa]	[%]
Valeur retenue	1.60	0.08	4.94%



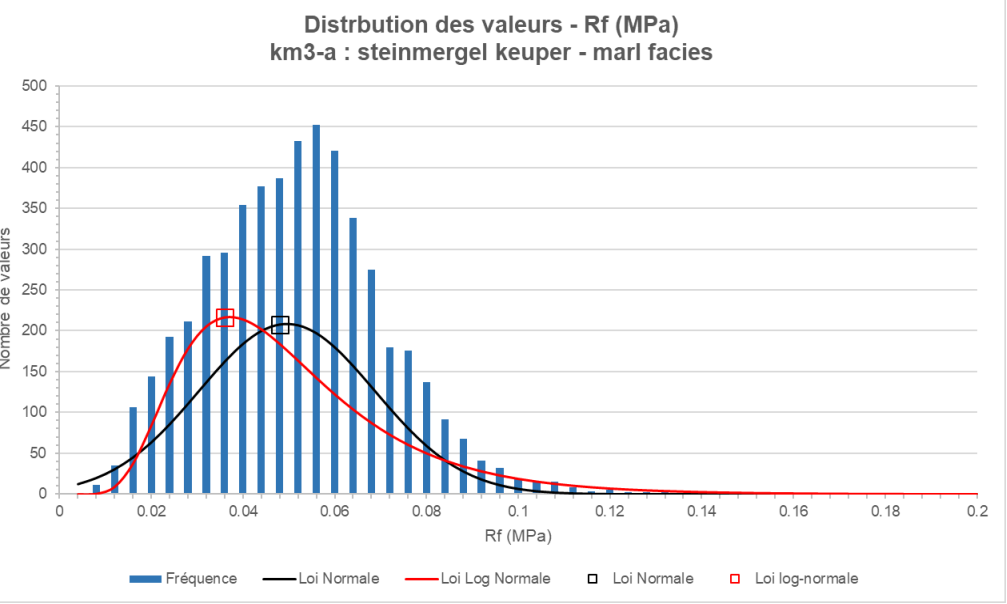
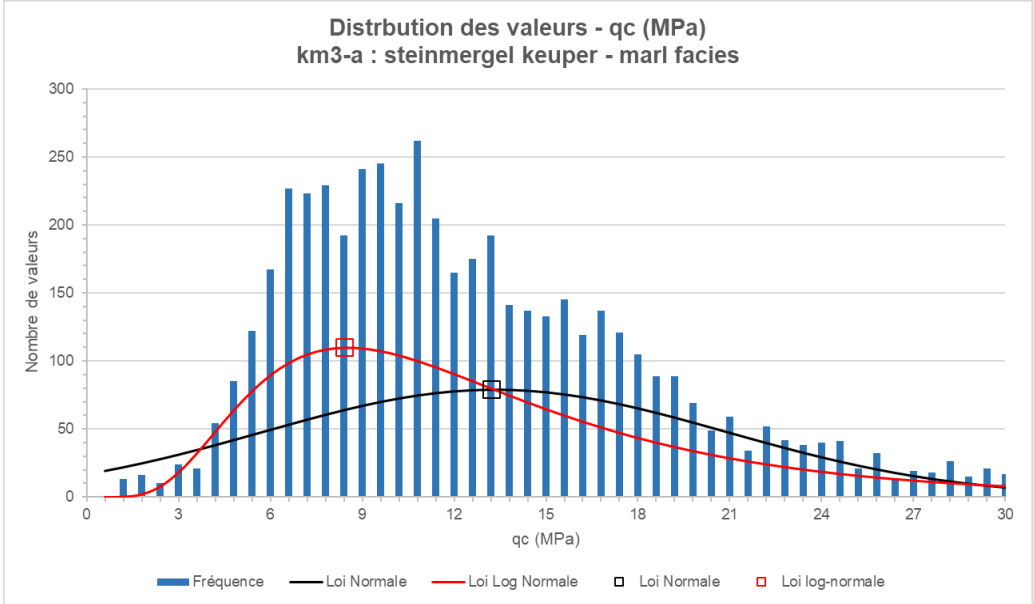
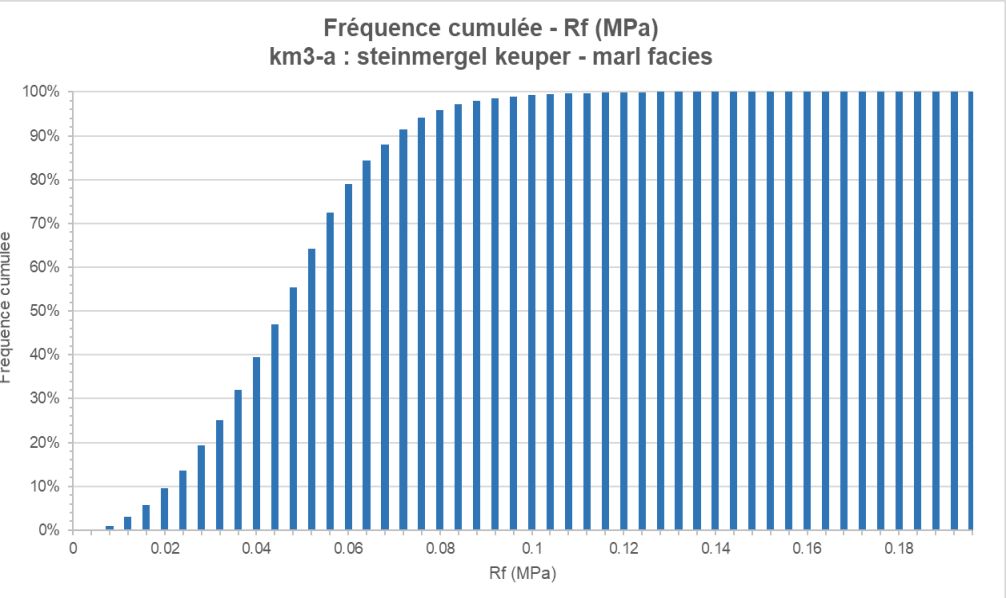
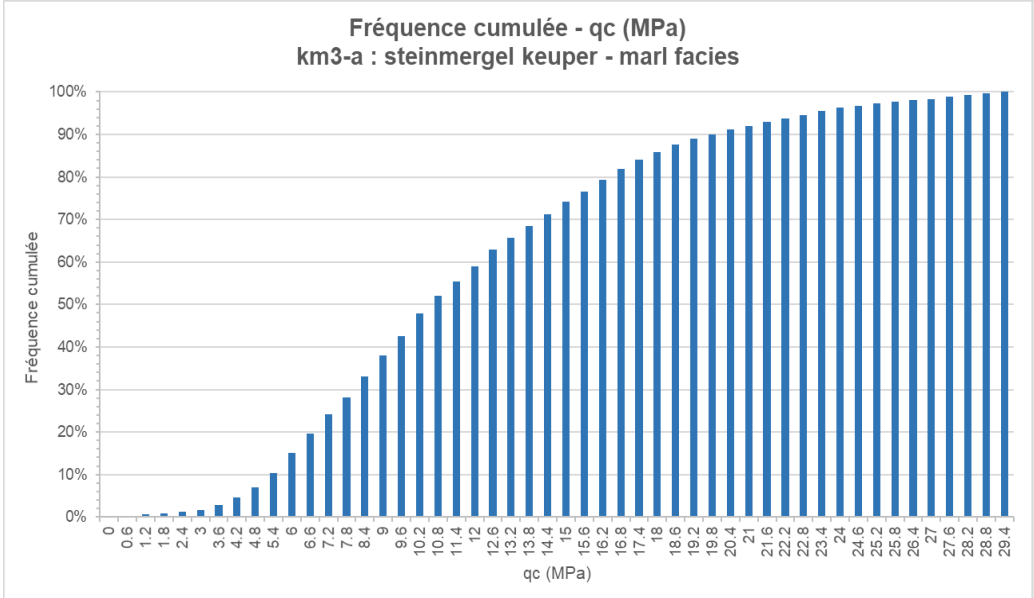
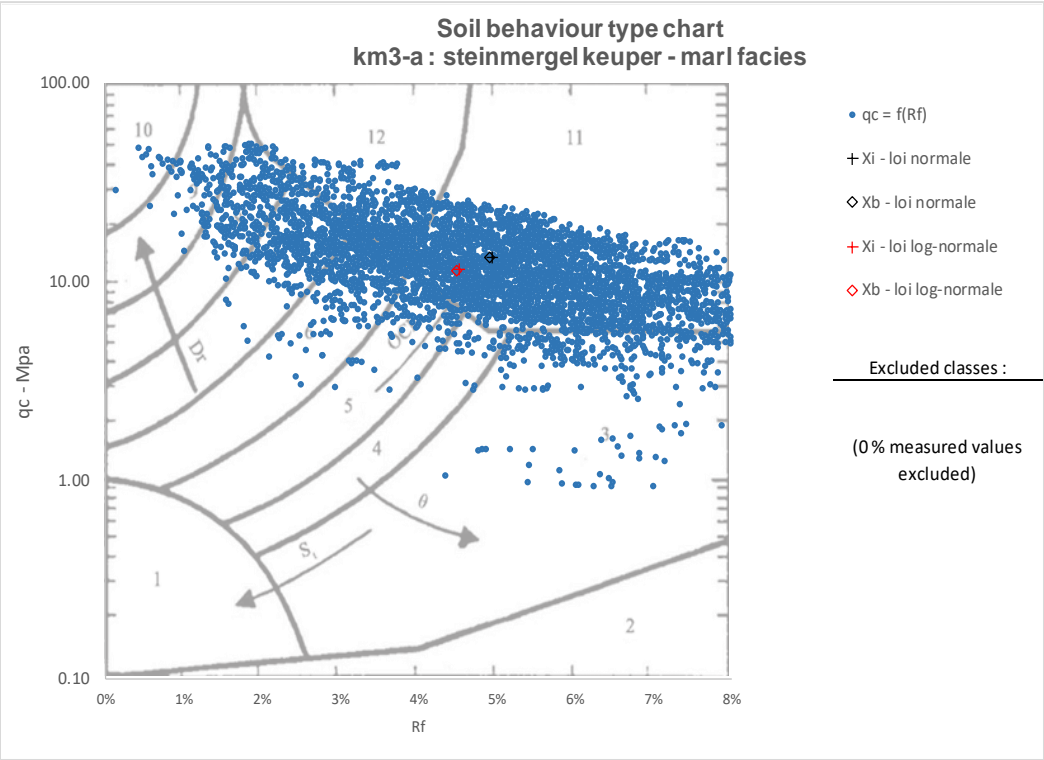
Horizon	d : pleistocene deposits		
Nombre de valeurs	1034		
Ka [N, a = 25%]	0.021		
Kb [N, b = 25%]	0.051		
Distribution	Loi log-normale		
Paramètre	qc	fs	Rf
Unité	[MPa]	[MPa]	[%]
Valeur mini	0.47	0.01	2.48%
Valeur maxi	7.16	0.36	15.12%
Moyenne arithmétique	1.86	0.13	7.24%
Moyenne harmonique	1.39	0.08	6.40%
Moyenne géométrique	-	-	-
Médiane	1.65	0.13	7.08%
Ecart-type	1.12	0.08	2.36%
Valeur moyenne inférieure Xmi	1.58	0.11	6.82%
Valeur moyenne basse Xmb	1.56	0.11	6.79%
Paramètre	qc	fs	Rf
Unité	[MPa]	[MPa]	[%]
Valeur retenue	1.50	0.11	6.79%



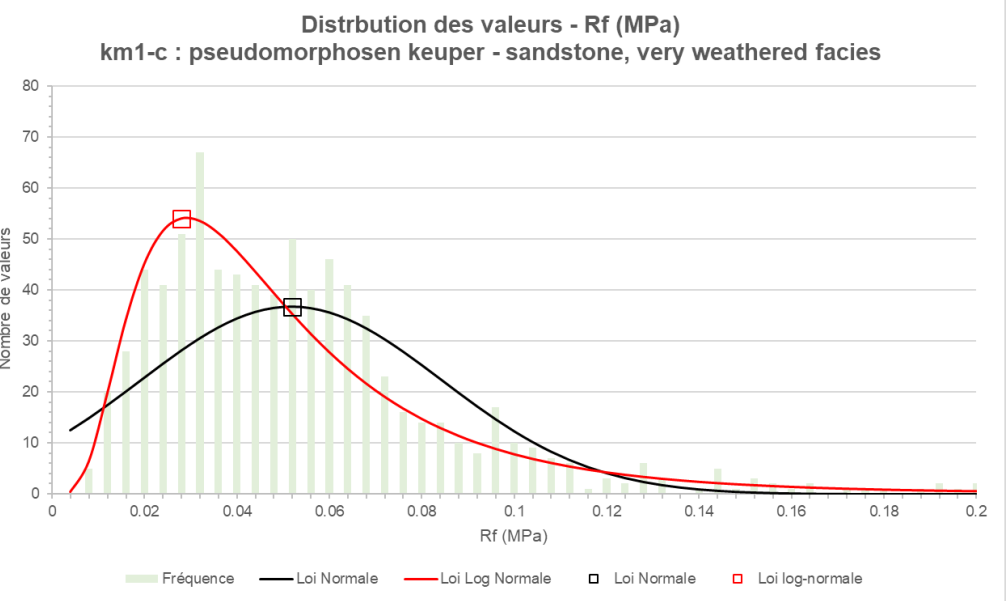
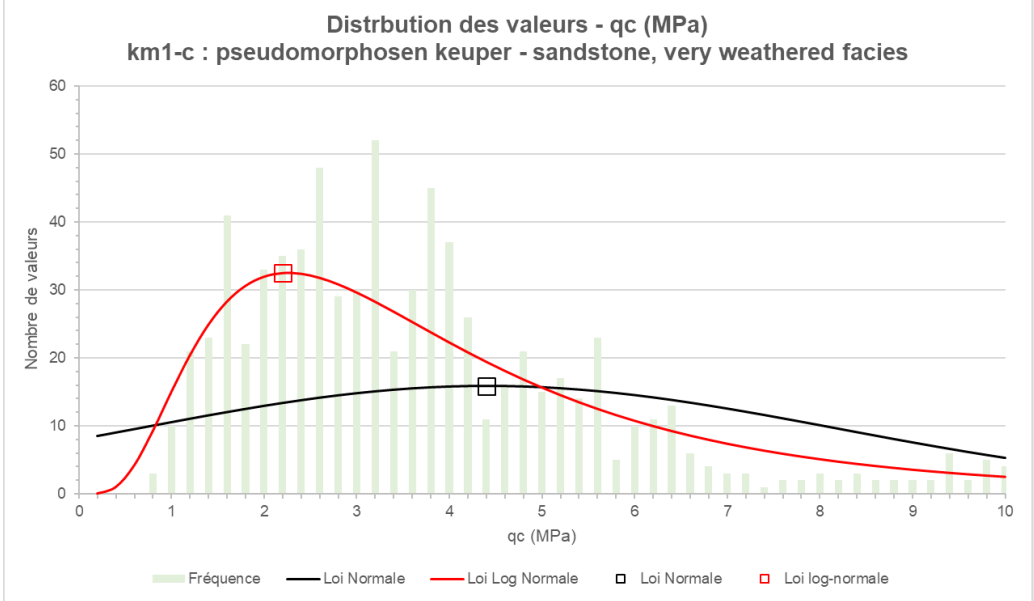
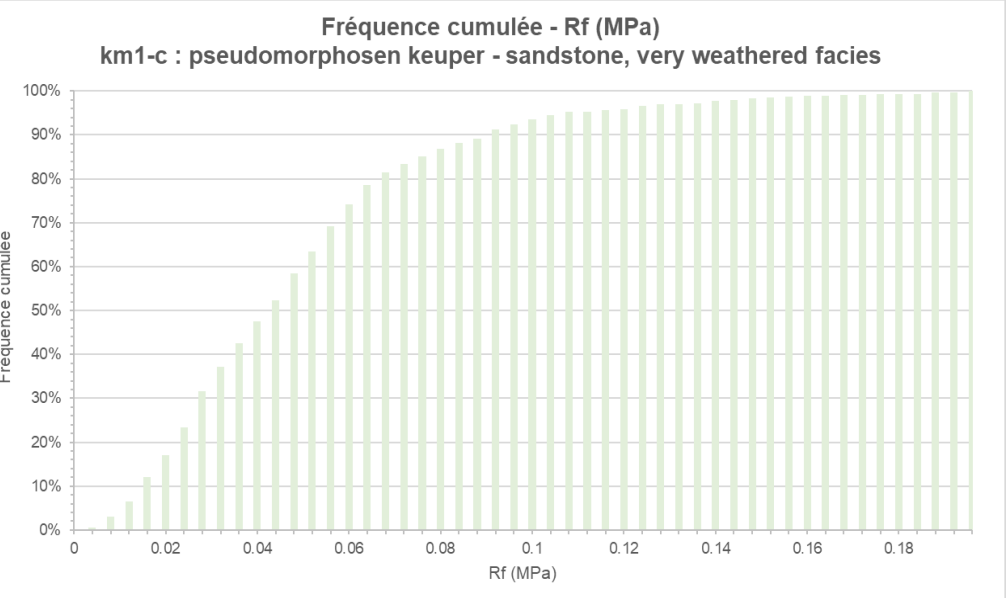
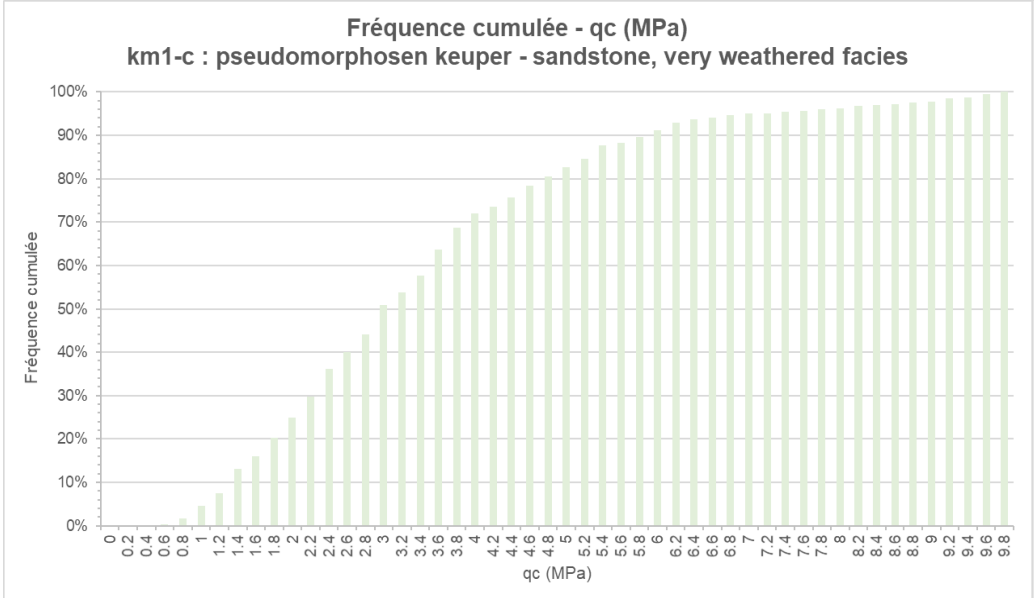
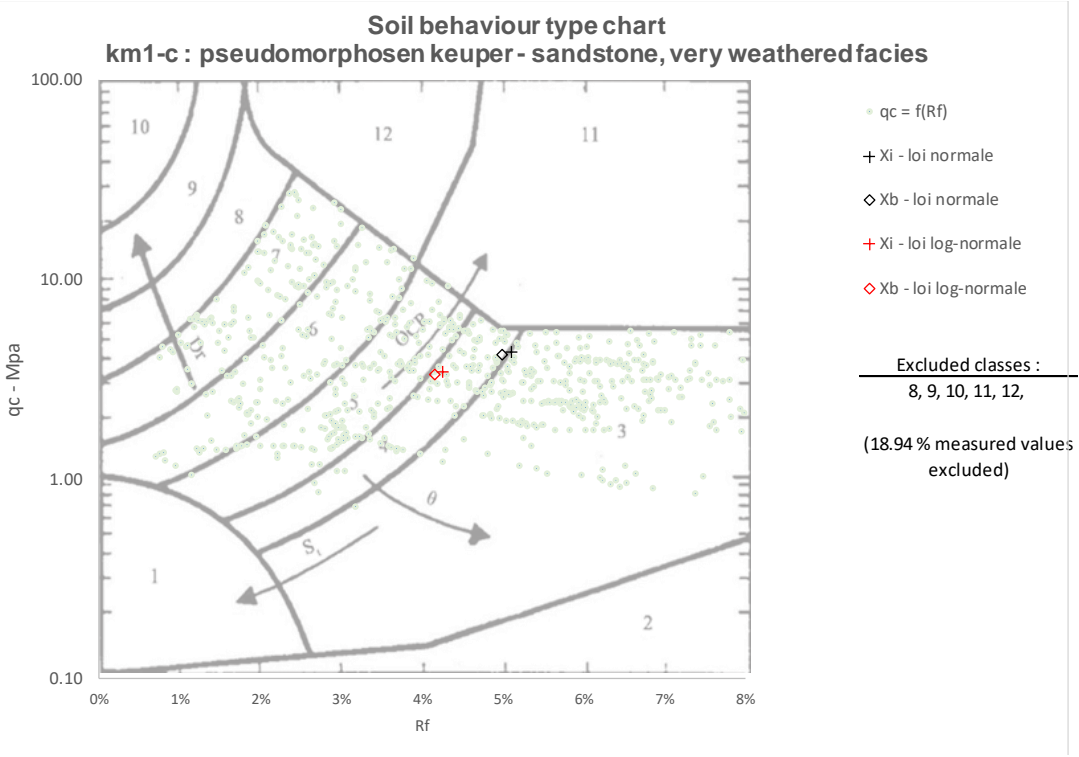
Horizon	km3-b : steinmergel keuper - clay / weathered marl facies		
Nombre de valeurs	3249		
Ka [N, a = 25%]	0.012		
Kb [N, b = 25%]	0.029		
Distribution	Loi log-normale		
Paramètre	qc	fs	Rf
Unité	[MPa]	[MPa]	[%]
Valeur mini	0.93	0.05	1.85%
Valeur maxi	19.48	1.01	15.57%
Moyenne arithmétique	5.64	0.33	6.19%
Moyenne harmonique	4.33	0.25	5.52%
Moyenne géométrique	-	-	-
Médiane	5.13	0.32	6.07%
Ecart-type	2.90	0.16	2.04%
Valeur moyenne inférieure Xmi	4.94	0.29	5.86%
Valeur moyenne basse Xmb	4.90	0.29	5.86%
Paramètre	qc	fs	Rf
Unité	[MPa]	[MPa]	[%]
Valeur retenue	4.80	0.29	5.86%



Horizon	km3-a : steinmergel keuper - marl facies		
Nombre de valeurs	5123		
Ka [N, a = 25%]	0.009		
Kb [N, b = 25%]	0.023		
Distribution	Loi log-normale		
Paramètre	qc	fs	Rf
Unité	[MPa]	[MPa]	[%]
Valeur mini	0.92	0.03	0.12%
Valeur maxi	49.24	1.45	13.31%
Moyenne arithmétique	13.32	0.57	4.96%
Moyenne harmonique	9.77	0.46	4.02%
Moyenne géométrique	-	-	-
Médiane	11.43	0.54	4.95%
Ecart-type	7.57	0.23	1.92%
Valeur moyenne inférieure Xmi	11.46	0.52	4.54%
Valeur moyenne basse Xmb	11.37	0.52	4.55%
Paramètre	qc	fs	Rf
Unité	[MPa]	[MPa]	[%]
Valeur retenue	11.30	0.52	4.55%



Horizon	km1-c : pseudomorphosen keuper - sandstone, very weathered facies		
Nombre de valeurs	809		
Ka [N, a = 25%]	0.024		
Kb [N, b = 25%]	0.058		
Distribution	Loi log-normale		
Paramètre	qc	fs	Rf
Unité	[MPa]	[MPa]	[%]
Valeur mini	0.71	0.01	0.70%
Valeur maxi	27.56	0.70	20.12%
Moyenne arithmétique	4.41	0.20	5.18%
Moyenne harmonique	2.86	0.10	3.51%
Moyenne géométrique	-	-	-
Médiane	3.43	0.16	4.62%
Ecart-type	3.77	0.14	3.26%
Valeur moyenne inférieure Xmi	3.42	0.15	4.29%
Valeur moyenne basse Xmb	3.35	0.14	4.27%
Paramètre	qc	fs	Rf
Unité	[MPa]	[MPa]	[%]
Valeur retenue	3.30	0.14	4.27%



Horizon	km1-b : pseudomorphosen keuper - sandstone, moderately weathered		
Nombre de valeurs	2125		
Ka [N, a = 25%]	0.015		
Kb [N, b = 25%]	0.036		
Distribution	Loi log-normale		
Paramètre	qc	fs	Rf
Unité	[MPa]	[MPa]	[%]
Valeur mini	0.82	0.00	0.01%
Valeur maxi	68.33	1.82	40.67%
Moyenne arithmétique	12.44	0.39	4.83%
Moyenne harmonique	5.89	0.18	1.75%
Moyenne géométrique	-	-	-
Médiane	9.58	0.34	3.94%
Ecart-type	9.61	0.26	4.42%
Valeur moyenne inférieure Xmi	8.82	0.29	3.31%
Valeur moyenne basse Xmb	8.66	0.29	3.32%
Paramètre	qc	fs	Rf
Unité	[MPa]	[MPa]	[%]
Valeur retenue	8.60	0.29	3.32%

