Table S1: Results from the validation analysis considering 10 land cover classes. a) Confusion matrix b) Model producer`s error, omission error, user`s accuracy and commission error for the validation considering 10 land cover classes.

a) Confusion matrix considering 10 land cover classes

		Training data									
	Land cover class	Barren land	Forest	Pine invasion	Pine plantation	Rocky outcrop	Shrubland	Steppe	Urban	Water	Wetland
Model results	Barren land	44	0	0	0	4	0	13	0	0	0
	Forest	0	82	28	7	0	31	0	2	0	7
	Pine invasion	0	8	70	9	0	1	0	3	0	0
	Pine plantation	0	0	26	131	0	1	0	2	1	0
	Rocky outcrop	3	2	0	0	36	7	31	0	0	2
	Shrubland	0	0	3	0	0	62	0	0	0	2
	Steppe	1	2	4	0	2	3	95	0	0	6
	Urban	1	0	1	0	0	0	0	57	0	0
	Water	0	0	0	0	0	0	0	0	50	0
	Wetland	0	1	0	0	0	7	3	2	0	57

b) Model producer`s error, omission error, user`s accuracy and commission error for the validation considering 10 land cover classes

Land cover class	Producer´s accuracy	Omission error	User´s accuracy	Commission error
Barren land	0.9	0.1	0.72	0.28
Forest	0.86	0.14	0.52	0.48

Pine invasion	0.53	0.47	0.77	0.23
Pine plantation	0.89	0.11	0.81	0.19
Rocky outcrop	0.86	0.14	0.44	0.56
Shrubland	0.55	0.45	0.93	0.07
Steppe	0.67	0.33	0.84	0.16
Urban	0.86	0.14	0.97	0.03
Water	0.98	0.02	1.00	0.00
Wetland	0.77	0.23	0.81	0.19