Tables S8a to S8k. Results of Scenario_2 (Experiment_8) presenting the overall accuracy and kappa values obtained from the cross-validation between the Filtered Reference Models (FRMs) and Ground Truth (GT). The results of each filter are handled using the following Filter Radii (FR) used:

a, FC0001

			Prediction				User accuracy
			Type Value	Buildings 1	Water 2	Total	
GT	Type	Value	Pixel	1,051,905	0	4,431,025	
	Buildings	100	1,958,463	1,955,812	1,423,308	3,379,120	0.579
	Water	200	2,472,562	2,651	1,049,254	1,051,905	0.997
	Total		4,431,025	1,958,463	2,472,562	4,431,025	
Producer accuracy				0.999	0.424		
Global Accuracy					0.678		
Coincidence between pixels and reality			Kappa		0.393		

b, FC1

			Prediction				User accuracy
			Type Value	Buildings 1	Water 2	Total	
GT	Type	Value	Pixel	2,244,523	2,186,502	4,431,025	
	Buildings	100	1,958,463	1,307,720	936,803	2,244,523	0.582
	Water	200	2,472,562	650,743	1,535,759	2,186,502	0.702
	Total		4,431,025	1,958,463	2,472,562	4,431,025	
Producer accuracy				0.668	0.621		
Global Accuracy					0.642		
Coincidence between pixels and reality			Kappa		0.284		

c, FC5

			Prediction				User accuracy
			Type Value	Buildings 1	Water 2	Total	
GT	Type	Value	Pixel	1,601,967	2,829,058	4,431,025	
	Buildings	100	1,958,463	959,826	642,141	1,601,967	0.599
	Water	200	2,472,562	998,637	1,830,421	2,829,058	0.647
	Total		4,431,025	1,958,463	2,472,562	4,431,025	
Producer accuracy				0.490	0.740		
Global Accuracy					0.630		
Coincidence between pixels and reality			Kappa		0.235		

d, FC7

			Prediction				User accuracy
			Type Value	Buildings 1	Water 2	Total	
GT	Type	Value	Pixel	1,517,171	2,913,854	4,431,025	
	Buildings	100	1,958,463	917,530	599,641	1,517,171	0.605
Mapping	Water	200	2,472,562	1,040,933	1,872,921	2,913,854	0.643
	Total		4,431,025	1,958,463	2,472,562	4,431,025	
Producer accuracy				0.468	0.757		
Global Accuracy					0.630		
Coincidence between pixels and reality			Kappa		0.231		

e, FC12

			Prediction				User accuracy
			Type Value	Buildings 1	Water 2	Total	
GT	Type	Value	Pixel	134,879	4,296,146	4,431,025	
	Buildings	100	1,958,463	130232	4647	134879	0.965
	Water	200	2,472,562	1828231	2467915	4296146	0.574
	Total		4,431,025	1,958,463	2,472,562	4,431,025	
Producer accuracy				0.066	0.998		
Global Accuracy					0.586		
Coincidence between pixels and reality			Kappa		0.071		

f, FC21

			Prediction				User accuracy
			Type Value	Buildings 1	Water 2	Total	
GT	Type	Value	Pixel	1,612,906	2,818,119	4,431,025	
	Buildings	100	1,958,463	1,045,686	567,220	1,612,906	0.648
	Water	200	2,472,562	912,777	1,905,342	2,818,119	0.676
	Total		4,431,025	1,958,463	2,472,562	4,431,025	
Producer accuracy				0.534	0.771		
Global Accuracy					0.666		
Coincidence between pixels and reality			Kappa		0.310		

g, FC24

			Prediction				User accuracy
			Type Value	Buildings 1	Water 2	Total	
GT	Type	Value	Pixel	1,615,646	2,815,379	4,431,025	
	Buildings	100	1,958,463	1,060,612	555,034	1,615,646	0.656
	Water	200	2,472,562	897,851	1,917,528	2,815,379	0.681
	Total		4,431,025	1,958,463	2,472,562	4,431,025	
Producer accuracy				0.541	0.775		
Global Accuracy					0.672		
Coincidence between pixels and reality			Kappa		0.323		

h, FC28

			Prediction				User accuracy
			Type Value	Buildings 1	Water 2	Total	
GT	Type	Value	Pixel	1,630,419	2,800,606	4,431,025	
	Buildings	100	1,958,463	1,073,543	556,876	1,630,419	0.658
	Water	200	2,472,562	884,920	1,915,686	2,800,606	0.684
	Total		4,431,025	1,958,463	2,472,562	4,431,025	
Producer accuracy				0.548	0.775		
Global Accuracy					0.675		
Coincidence between pixels and reality			Kappa		0.329		

i, FC40

			Prediction				User accuracy
			Type Value	Buildings 1	Water 2	Total	
GT	Type	Value	Pixel	1,584,448	2,846,577	4,431,025	
	Buildings	100	1,958,463	1,081,600	502,848	1,584,448	0.683
	Water	200	2,472,562	876,863	1,969,714	2,846,577	0.692
	Total		4,431,025	1,958,463	2,472,562	4,431,025	
Producer accuracy				0.552	0.797		
Global Accuracy					0.689		
Coincidence between pixels and reality			Kappa		0.356		

j, FC60

			Prediction				User accuracy
			Type Value	Buildings 1	Water 2	Total	
GT	Type	Value	Pixel	1,551,059	2,879,966	4,431,025	
	Buildings	100	1,958,463	1,071,599	479,460	1,551,059	0.691
	Water	200	2,472,562	886,864	1,993,102	2,879,966	0.692
	Total		4,431,025	1,958,463	2,472,562	4,431,025	
Producer accuracy				0.547	0.806		
Global Accuracy					0.692		
Coincidence between pixels and reality			Kappa		0.361		

k, FC91

			Prediction				User accuracy
			Type Value	Buildings 1	Water 2	Total	
GT	Type	Value	Pixel	1,530,659	2,900,366	4,431,025	
	Buildings	100	1,958,463	1,071,254	459,405	1,530,659	0.700
	Water	200	2,472,562	887,209	2,013,157	2,900,366	0.694
	Total		4,431,025	1,958,463	2,472,562	4,431,025	
Producer accuracy				0.547	0.814		
Global Accuracy					0.696		
Coincidence between pixels and reality			Kappa		0.370		