Tables S5a to S5k. Results of Scenario_2 (Experiment_5) 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:

(Ground truth unit A. Reliefs are Artificial Reliefs)

a, FC0001

			Prediction				User accuracy
			Type Value	A. Reliefs 1	Water 2	Total	
GT	Type	Value	Pixel	2,620,490	67,939,510	70,560,000	
	A. Reliefs	100	12,483,538	2,484,997	135,493	2,620,490	0.948
	Water	200	58,076,460	9,998,541	57,940,967	67,939,508	0.853
	Total		70,559,998	12,483,538	58,076,460	70,559,998	
Producer accuracy				0.199	0.998		
Global Accuracy					0.856		
Coincidence between pixels and reality			Kappa		0.285		

b, FC1

			Prediction				User accuracy
			Type Value	A. Reliefs 1	Water 2	Total	
GT	Type	Value	Pixel	642,484	69,917,516	70,560,000	
	A. Reliefs	100	12,483,538	642,331	153	642,484	0.9998
	Water	200	58,076,460	11,841,207	58,076,307	69,917,514	0.831
	Total		70,559,998	12,483,538	58,076,460	70,559,998	
Producer accuracy				0.051	0.9999		
Global Accuracy					0.832		
Coincidence between pixels and reality			Kappa		0.082		

c, FC5

			Prediction				User accuracy
			Type Value	A. Reliefs 1	Water 2	Total	
GT	Type	Value	Pixel	1,437,069	69122931	70,560,000	
	A. Reliefs	100	12,483,538	1,348,895	88,174	1,437,069	0.939
	Water	200	58,076,460	11,134,643	57,988,286	69,122,929	0.839
	Total		70,559,998	12,483,538	58,076,460	70,559,998	
Producer accuracy				0.108	0.998		
Global Accuracy					0.841		
Coincidence between pixels and reality			Kappa		0.163		

d, FC7

			Prediction				User accuracy
			Type Value	A. Reliefs 1	Water 2	Total	
GT	Type	Value	Pixel	1,012,001	69,547,999	70,560,000	
	A. Reliefs	100	12,483,538	1,011,416	585	1,012,001	0.999
Mapping	Water	200	58,076,460	11,472,122	58,075,875	69,547,997	0.835
	Total		70,559,998	12,483,538	58,076,460	70,559,998	
Producer accuracy				0.081	0.9999		
Global Accuracy					0.837		
Coincidence between pixels and reality			Kappa		0.127		

e, FC12

			Prediction				User accuracy
			Type Value	A. Reliefs 1	Water 2	Total	
GT	Type	Value	Pixel	3,260,111	67,299,889	70,560,000	
	A. Reliefs	100	12,483,538	3,218,235	41,876	3,260,111	0.987
	Water	200	58,076,460	9,265,303	58,034,584	67,299,887	0.862
	Total		70,559,998	12,483,538	58,076,460	70,559,998	
Producer accuracy				0.258	0.999		
Global Accuracy					0.868		
Coincidence between pixels and reality			Kappa		0.362		

f, FC21

			Prediction				User accuracy
			Type Value	A. Reliefs 1	Water 2	Total	
GT	Type	Value	Pixel	3,730,671	66,829,329	70,560,000	
	A. Reliefs	100	12,483,538	3,713,622	17,049	3,730,671	0.995
	Water	200	58,076,460	8,769,916	58,059,411	66,829,327	0.869
	Total		70,559,998	12,483,538	58,076,460	70,559,998	
Producer accuracy				0.297	0.999		
Global Accuracy					0.875		
Coincidence between pixels and reality			Kappa		0.410		

g, FC24

			Prediction				User accuracy
			Type Value	A. Reliefs 1	Water 2	Total	
GT	Type	Value	Pixel	3,827,023	66,732,977	70,560,000	
	A. Reliefs	100	12,483,538	3,806,675	20,348	3,827,023	0.995
	Water	200	58,076,460	8,676,863	58,056,112	66,732,975	0.870
	Total		70,559,998	12,483,538	58,076,460	70,559,998	
Producer accuracy				0.305	0.9996		
Global Accuracy					0.877		
Coincidence between pixels and reality			Kappa		0.418		

h, FC28

			Prediction				User accuracy
			Type Value	A. Reliefs 1	Water 2	Total	
GT	Type	Value	Pixel	3,903,356	66,656,644	70,560,000	
	A. Reliefs	100	12,483,538	3,881,978	21,378	3,903,356	0.994
	Water	200	58,076,460	8,601,560	58,055,082	66,656,642	0.871
	Total		70,559,998	12,483,538	58,076,460	70,559,998	
Producer accuracy				0.311	0.9996		
Global Accuracy					0.878		
Coincidence between pixels and reality			Kappa		0.425		

i, FC40

			Prediction				User accuracy
			Type Value	A. Reliefs 1	Water 2	Total	
GT	Type	Value	Pixel	7,683,266	62,876,734	70,560,000	
	A. Reliefs	100	12,483,538	4,361,121	3,322,145	7,683,266	0.568
	Water	200	58,076,460	8,122,417	54,754,315	62,876,732	0.871
	Total		70,559,998	12,483,538	58,076,460	70,559,998	
Producer accuracy				0.349	0.943		
Global Accuracy					0.838		
Coincidence between pixels and reality			Kappa		0.344		

j, FC60

			Prediction				User accuracy
			Type Value	A. Reliefs 1	Water 2	Total	
GT	Type	Value	Pixel	7,849,953	62710047	70,560,000	
	A. Reliefs	100	12,483,538	4,663,691	3,186,262	7,849,953	0.594
	Water	200	58,076,460	7,819,847	54,890,198	62,710,045	0.875
	Total		70,559,998	12,483,538	58,076,460	70,559,998	
Producer accuracy				0.373	0.945		
Global Accuracy					0.844		
Coincidence between pixels and reality			Kappa		0.373		

k, FC91

			Prediction				User accuracy
			Type Value	A. Reliefs 1	Water 2	Total	
GT	Type	Value	Pixel	8,071,654	62,488,346	70,560,000	
	A. Reliefs	100	12,483,538	4,936,218	3,135,436	8,071,654	0.611
	Water	200	58,076,460	7,547,320	5,494,1024	62,488,344	0.879
	Total		70,559,998	12,483,538	58,076,460	70,559,998	
Producer accuracy				0.395	0.946		
Global Accuracy					0.849		
Coincidence between pixels and reality			Kappa		0.396		