Tables S1a to S1k. Results of Scenario_1 (Experiment_1) 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, FFPABUTT_FC0001

			Prediction				User accuracy
			Type Value	Water 1	Continent 2	Total	
GT	Type	Value	Pixel	8,753,543	8,886,457	17,640,000	
	Water	100	7,911,891	7,904,833	848,710	8,753,543	0.903
	Continent	200	9,728,109	7,058	8,879,399	8,886,457	0.999
	Total		17,640,000	7,911,891	9,728,109	17,640,000	
Producer accuracy				0.999	0.913		
Global Accuracy					0.951		
Coincidence between pixels and reality			Kappa		0.903		

b, FFPABUTT_FC1

			Prediction				User accuracy
			Type Value	Water 1	Continent 2	Total	
GT	Type	Value	Pixel	11,376,047	6,263,953	17,640,000	
	Water	100	7,911,891	7,908,682	3,467,365	11,376,047	0.695
	Continent	200	9,728,109	3,209	6,260,744	6,263,953	0.999
	Total		17,640,000	7,911,891	9,728,109	17,640,000	
Producer accuracy				0.999	0.643		
Global Accuracy					0.803		
Coincidence between pixels and reality			Kappa		0.618		

c, FFPABUTT_FC5

			Prediction				User accuracy
			Type Value	Water 1	Continent 2	Total	
GT	Type	Value	Pixel	12,895,153	4,744,847	17,640,000	
	Water	100	7,911,891	7,909,740	4,985,413	12,895,153	0.613
	Continent	200	9,728,109	2,151	4,742,696	4,744,847	0.9995
	Total		17,640,000	7,911,891	9,728,109	17,640,000	
Producer accuracy				0.9997	0.487		
Global Accuracy					0.717		
Coincidence between pixels and reality			Kappa		0.460		

d, FFPABUTT_FC7

			Prediction				User accuracy
			Type Value	Water 1	Continent 2	Total	
GT	Type	Value	Pixel	13,070,419	4,569,581	17,640,000	
	Water	100	7,911,891	7,896,516	5,173,903	13,070,419	0.604
Mapping	Continent	200	9,728,109	15,375	4,554,206	4,569,581	0.997
	Total		17,640,000	7,911,891	9,728,109	17,640,000	
Producer accuracy				0.998	0.468		
Global Accuracy					0.706		
Coincidence between pixels and reality			Kappa		0.439		

e, FFPABUTT_FC12

			Prediction				User accuracy
			Type Value	Water 1	Continent 2	Total	
GT	Type	Value	Pixel	13,081,638	4,558,362	17,640,000	
	Water	100	7,911,891	7,878,664	5,202,974	13,081,638	0.602
	Continent	200	9,728,109	33,227	4,525,135	4,558,362	0.993
	Total		17,640,000	7,911,891	9,728,109	17,640,000	
Producer accuracy				0.996	0.465		
Global Accuracy					0.703		
Coincidence between pixels and reality			Kappa		0.434		

f, FFPABUTT_FC21

			Prediction				User accuracy
			Type Value	Water 1	Continent 2	Total	
GT	Type	Value	Pixel	13,070,319	4,569,681	17,640,000	
	Water	100	7,911,891	7,864,938	5,205,381	13,070,319	0.602
	Continent	200	9,728,109	46,953	4,522,728	4,569,681	0.990
	Total		17,640,000	7,911,891	9,728,109	17,640,000	
Producer accuracy				0.994	0.465		
Global Accuracy					0.702		
Coincidence between pixels and reality			Kappa		0.433		

g, FFPABUTT_FC24

			Prediction				User accuracy
			Type Value	Water 1	Continent 2	Total	
GT	Type	Value	Pixel	13,061,864	4,578,136	17,640,000	
	Water	100	7,911,891	7,850,718	5,211,146	13061864	0.601
	Continent	200	9,728,109	61,173	4,516,963	4578136	0.987
	Total		17,640,000	7,911,891	9,728,109	17,640,000	
Producer accuracy				0.992	0.464		
Global Accuracy					0.701		
Coincidence between pixels and reality			Kappa		0.430		

h, FFPABUTT_FC28

			Prediction				User accuracy
			Type Value	Water 1	Continent 2	Total	
GT	Type	Value	Pixel	13,040,899	4,599,101	17,640,000	
	Water	100	7,911,891	7,846,877	5,194,022	13,040,899	0.602
	Continent	200	9,728,109	65,014	4,534,087	4,599,101	0.986
	Total		17,640,000	7,911,891	9,728,109	17,640,000	
Producer accuracy				0.992	0.466		
Global Accuracy					0.702		
Coincidence between pixels and reality			Kappa		0.432		

i, FFPABUTT_FC40

			Prediction				User accuracy
			Type Value	Water 1	Continent 2	Total	
GT	Type	Value	Pixel	12,962,882	4,677,118	17,640,000	
	Water	100	7,911,891	7,842,835	5,120,047	12,962,882	0.605
	Continent	200	9,728,109	69,056	4,608,062	4,677,118	0.985
	Total		17,640,000	7,911,891	9,728,109	17,640,000	
Producer accuracy				0.991	0.474		
Global Accuracy					0.706		
Coincidence between pixels and reality			Kappa		0.439		

j, FFPABUTT_FC60

			Prediction				User accuracy
			Type Value	Water 1	Continent 2	Total	
GT	Type	Value	Pixel	12,597,171	5,042,829	17,640,000	
	Water	100	7,911,891	7,724,268	4,872,903	12,597,171	0.613
Mapping	Continent	200	9,728,109	187,623	4,855,206	5,042,829	0.963
	Total		17,640,000	7,911,891	9,728,109	17,640,000	
Producer accuracy				0.976	0.499		
Global Accuracy					0.713		
Coincidence between pixels and reality			Kappa		0.450		

k, FFPABUTT_FC91

			Prediction				User accuracy
			Type Value	Water 1	Continent 2	Total	
GT	Type	Value	Pixel	12,439,016	5,200,984	17,640,000	
	Water	100	7,911,891	7,725,823	4,713,193	12,439,016	0.621
	Continent	200	9,728,109	186,068	5,014,916	5,200,984	0.964
	Total		17,640,000	7,911,891	9,728,109	17,640,000	
Producer accuracy				0.976	0.515		
Global Accuracy					0.722		
Coincidence between pixels and reality			Kappa		0.467		