

Supplementary

Table S1: Evolution of the IRF in the years 1996, 2007, 2015 and 2020 by province and change between 1996 and 2020.

Provinces		1996	2007	2015	2020	Δ 1996–2020
El oro	Mean	71.28	70.79	68.72	68.15	-4.39
	Median	67.06	67.60	65.80	64.09	-4.42
	S.D	18.05	17.92	17.55	19.58	8.45
Manabi	Mean	87.53	86.70	84.47	89.20	1.91
	Median	92.74	90.41	85.30	95.16	2.60
	S.D	13.48	14.30	14.65	13.57	0.63
Guayas	Mean	60.12	58.16	55.79	59.01	-1.85
	Median	59.11	56.91	54.76	57.54	-2.66
	S.D	26.69	26.37	25.27	25.89	-3.02
Galapagos	Mean	89.77	89.77	89.69	93.01	3.61
	Median	93.40	93.40	93.22	99.41	6.43
	S.D	11.88	11.88	11.88	10.80	-9.10
Esmeraldas	Mean	69.04	70.52	68.73	72.51	5.02
	Median	73.47	76.59	71.00	79.12	7.69
	S.D	24.34	24.82	24.49	25.20	3.55
Santa Elena	Mean				79.97	
Total	Mean	69.54	68.50	66.66	73.80	6.12
	Median	72.73	70.27	67.19	79.39	9.16
	S.D	25.56	25.74	25.47	25.62	0.25

Table S2: Evolution of the Flux in the years 1996 and 2020 by province and change between 1996 and 2020.

Provinces		1996	2020	Δ 1996–2020
El oro	Mean	6.18×10^7	9.68×10^7	56.48
	Median	7.48×10^7	1.01×10^8	34.64
	S.D	3.13×10^7	2.44×10^7	–22.21
Manabí	Mean	6.86×10^6	7.95×10^6	15.80
	Median	5.82×10^6	7.95×10^6	36.51
	S.D	3.53×10^6	3.43×10^6	–2.73
Guayas	Mean	1.34×10^8	2.05×10^8	52.49
	Median	5.91×10^7	2.16×10^8	265.36
	S.D	1.24×10^8	1.10×10^8	–11.32
Galapagos	Mean	1.01×10^6	9.41×10^5	–7.26
	Median	3.33×10^5	2.70×10^5	–18.97
	S.D	1.37×10^6	1.71×10^6	25.30
Esmeraldas	Mean	5.42×10^7	6.36×10^7	17.27
	Median	1.22×10^7	6.74×10^7	450.20
	S.D	5.64×10^7	5.02×10^7	–11.04
Santa Elena	Mean	-	1.67×10^5	-
	Median	-	2.00×10^5	-
	S.D	-	9.36×10^4	-
Total	Mean	7.71×10^7	8.77×10^7	13.69
	Median	4.45×10^7	5.89×10^7	32.60
	S.D	9.54×10^7	1.01×10^8	6.08