

SUPPLEMENTARY MATERIALS

Table S1. Official government sources of information.

Expenditure budget category	Federal	Campeche	Quintana Roo	Yucatan
Fishery and Aquaculture (08)	http://www.dof.gob.mx/index.php	https://asecam.gob.mx/presupuesto-de-egresos/	https://qroo.gob.mx/ieea/presupuesto-de-egresos/	https://transparencia.yucatan.gob.mx/presupuestacion.php
Communication and transport (09)	http://www.dof.gob.mx/index.php	https://asecam.gob.mx/presupuesto-de-egresos/	https://qroo.gob.mx/ieea/presupuesto-de-egresos/	https://transparencia.yucatan.gob.mx/presupuestacion.php
Environment and natural resources (16)	http://www.dof.gob.mx/index.php	https://asecam.gob.mx/presupuesto-de-egresos/	https://qroo.gob.mx/ieea/presupuesto-de-egresos/	https://transparencia.yucatan.gob.mx/presupuestacion.php
Energy (18)	-	https://asecam.gob.mx/presupuesto-de-egresos/	-	-
Tourism (21)	-	https://asecam.gob.mx/presupuesto-de-egresos/	https://qroo.gob.mx/ieea/presupuesto-de-egresos/	https://qroo.gob.mx/ieea/presupuesto-de-egresos/
Programmable spending in natural disasters (23)	http://www.dof.gob.mx/index.php	-	-	-

Table S2. Paired Sampled Statistics.

		Media	N	Desv. Deviation	Dev. Average error
Par 1	Aquaculture, fishing and hunting of Campeche (2007-2012)	166,255,517.5000	6	131206198.23441	53564706.12746
	Aquaculture, fishing and hunting of Campeche (2013-2018)	142,355,856.3333	6	137072259.06584	55959515.43365
Par 2	Aquaculture, hunting and fishing of Quintana Roo (2007-2012)	171,943,786.6667	6	281366851.15958	114867535.97910
	Aquaculture, fishing and hunting of Quintana Roo (2013-2018)	154,488,230.8333	6	124821604.33496	50958206.58270
Par 3	Aquaculture, fishing and hunting of Yucatan (2007-2012)	211,361,026.0000	6	52351741.87449	21372509.12307
	Aquaculture, fishing and hunting of Yucatan (2013-2018)	88,155,958.1667	6	123873308.59747	50571066.46902
Par 4	Highway and port infrastructure program category of Campeche (2007-2012)	685,536,937.9417	6	415784121.26058	169743156.70665
	Highway and port infrastructure program category of Campeche (2013-2018)	231,537,351.5000	6	230497717.48719	94100299.11997
Par 5	Highway and port infrastructure program category of Quintana Roo (2007-2012)	726,007,123.5000	6	85350519.63950	34844203.73303
	Highway and port infrastructure program category of Quintana Roo (2013-2018)	86,544,168.0000	6	59661125.62385	24356552.54309
Par 6	Highway and port infrastructure program category of Yucatan (2007-2012)	601,405,446.3333	6	201416633.94715	82227996.47991
	Highway and port infrastructure program category of Yucatan (2013-2018)	116,283,228.8333	6	95825666.84486	39120664.67197
Par 7	Natural Disaster Fund Category of Campeche (2007-2012)	148,802,330.2803	6	153449956.27635	62645682.32157
	Natural Disaster Fund Category of Campeche (2013-2018)	256,913,904.6667	6	396645899.32196	161930010.31769

Par 8	Natural Disaster Fund Category of Quintana Roo (2007-2012)	185,088,819.8900	6	405474446.10429	165534249.44886
	Natural Disaster Fund Category of Quintana Roo (2013-2018)	235,607,147.4123	6	197695436.17231	80708823.84985
Par 9	Natural Disaster Fund Category of Yucatan (2007-2012)	260,135,539.4217	6	537154650.82918	219292467.91573
	Natural Disaster Fund Category of Yucatan (2013-2018)	15,999,283.0117	6	3969530.18738	1620553.91294
Par 10	Tourism Category of Campeche (2007-2012)	225,009,665.9833	6	37735563.82758	15405479.42230
	Tourism Category of Campeche (2013-2018)	156,251,262.0667	6	50759326.30900	20722408.19075
Par 11	Tourism Category of Quintana Roo (2007-2012)	292,064,996.0500	6	28780955.69287	11749775.95953
	Tourism Category of Quintana Roo (2013-2018)	5,776,191,982.6667	6	13314644720.73067	5435680945.37200
Par 12	Tourism Category of Yucatan (2007-2012)	82,165,311.5250	6	74014039.38579	30216105.04957
	Tourism Category of Yucatan (2013-2018)	191,207,768.5333	6	79810841.23841	32582639.49606

Table S3. Results of the t-test for paired samples.

	Matched differences						
	Media	Estandar deviation	95% confidence interval of the difference		t	gl	Sig. (bilateral)
			Inferior	Superior			
Highway and port infrastructure program category of Quintana Roo (2007-2012) - Highway and port infrastructure program category of Quintana Roo (2013-2018)	639,462,955.50	135,903,938.34	496,840,519.00	782,085,391.99	11.525	5	0.000
Highway and port infrastructure program category of Yucatan (2007-2012) - Highway and port infrastructure program category of Yucatan (2013-2018)	485,122,217.50	182,685,917.55	293,405,104.71	676,839,330.29	6.505	5	0.001
Tourism Category of Campeche (2007-2012) - Tourism Category of Campeche (2013-2018)	68,758,403.92	57,267,811.15	8,659,521.88	128,857,285.95	2.941	5	0.032

Table S4. Wilcoxon signed ranked test.

		N	Average range	Sum of ranks
Aquaculture, hunting and fishing of Campeche (2007-2012) - Aquaculture, hunting and fishing of Campeche (2013-2018)	Negativos rankes	3a	3.00	9.00
	Positives rankes	3b	4.00	12.00
	Ties	0c		
	Total	6		
Aquaculture, hunting and fishing of Quintana Roo (2007-2012) - Aquaculture, hunting and fishing of Quintana Roo (2013-2018)	Negativos rankes	4d	3.00	12.00
	Positives rankes	2e	4.50	9.00
	Ties	0f		
	Total	6		
Aquaculture, hunting and fishing of Yucatan (2007-2012) - Aquaculture, hunting and fishing of Yucatan (2013-2018)	Negativos rankes	5g	3.40	17.00
	Positives rankes	1h	4.00	4.00
	Ties	0i		
	Total	6		
Highway and port infrastructure program category of Campeche (2007-2012) - Highway and port infrastructure program category of Campeche (2013-2018)	Negativos rankes	5j	3.60	18.00
	Positives rankes	1k	3.00	3.00
	Ties	0l		
	Total	6		
Natural Disaster Fund of Campeche (2007-2012) - Natural Disaster Fund of Campeche (2013-2018)	Negativos rankes	3m	3.33	10.00
	Positives rankes	3n	3.67	11.00
	Ties	0o		
	Total	6		
Natural Disaster Fund of Quintana Roo (2007-2012) - Natural Disaster Fund of Quintana Roo (2013-2018)	Negativos rankes	2p	3.50	7.00
	Positives rankes	4q	3.50	14.00
	Ties	0r		
	Total	6		
Natural Disaster Fund of Yucatan (2007-2012) - Natural Disaster Fund of Yucatan (2013-2018)	Negativos rankes	4s	4.50	18.00
	Positives rankes	2t	1.50	3.00
	Ties	0u		
	Total	6		
Tourism Category of Quintana Roo (2007-2012) - Tourism Category of Quintana Roo (2013-2018)	Negativos rankes	1v	1.00	1.00
	Positives rankes	5w	4.00	20.00
	Ties	0x		
	Total	6		
Tourism Category of Yucatan (2007-2012) - Tourism Category of Yucatan (2013-2018)	Negativos rankes	1y	1.00	1.00
	Positives rankes	5z	4.00	20.00
	Ties	0aa		
	Total	6		

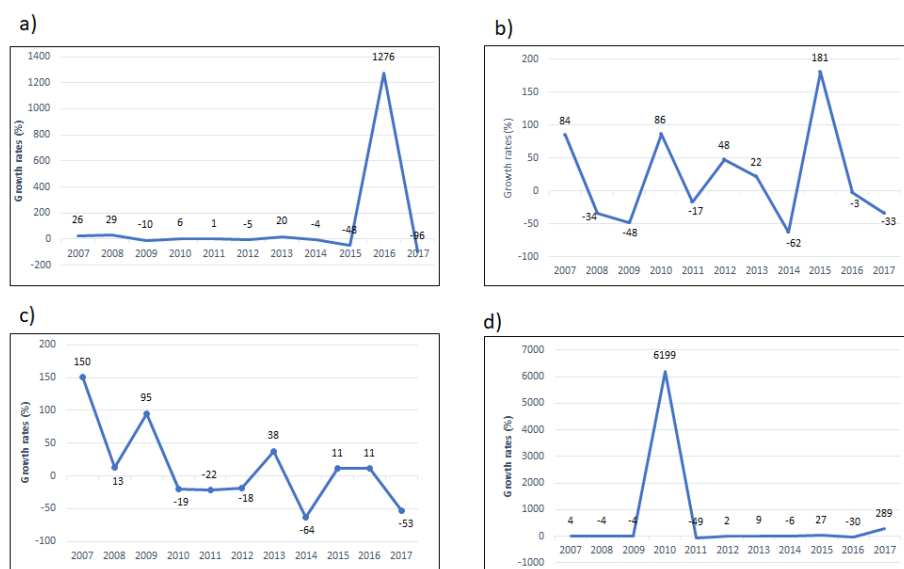


Figure S1. Changes in coastal programs (2007–2018): a) Sector 16 Environment and natural resources b) Sector 08 Fishery and aquaculture sector, c) Sector 09 Communication and transport and d) Sector 23 FONDEN. It should be noted that 2007 refers to the period 2007–2008 and so on.

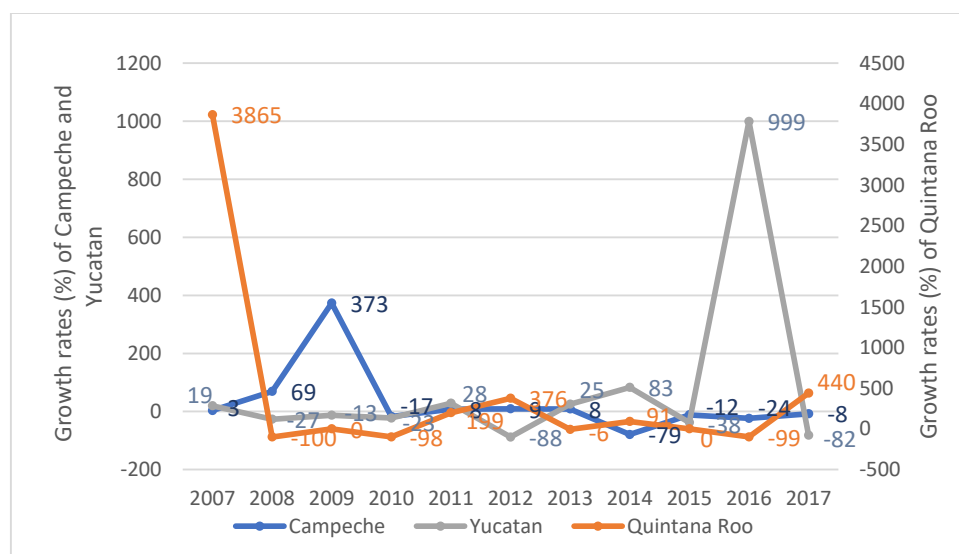


Figure S2. Growth rates of sector 08: Aquaculture, fishing and hunting. Source: Elaborated using data derived from the expenditure Budget published in the Official Gazette of the Federation (2007–2018). Note that the year 2007 refers to the period from 2007–2008.

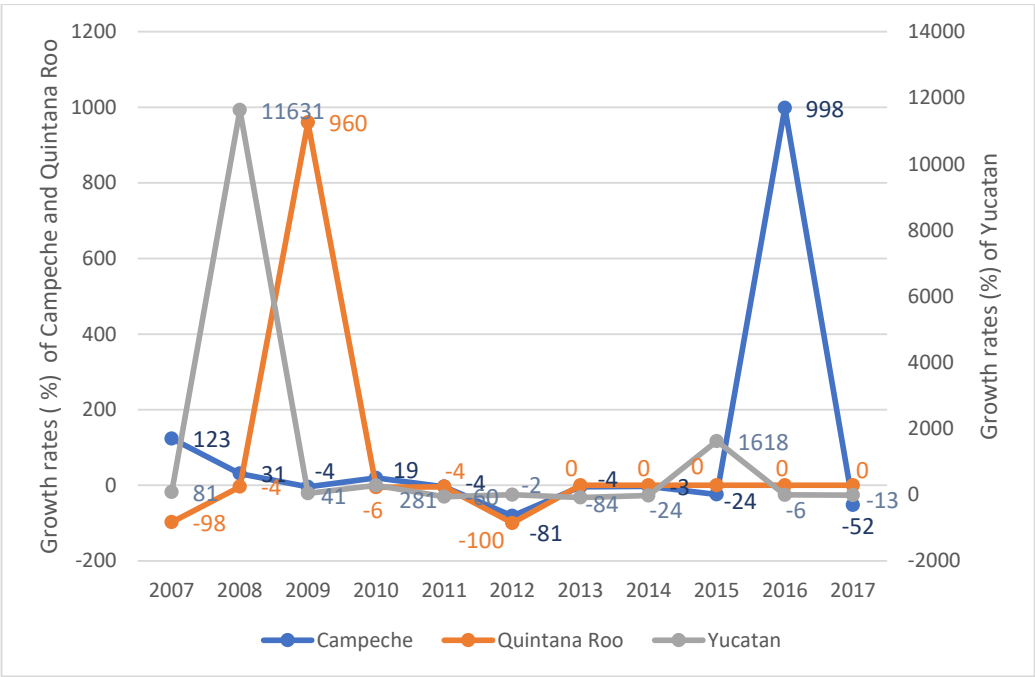


Figure S3. Changes in growth rates in natural disasters in the agriculture and fishing sector (2007-2018).

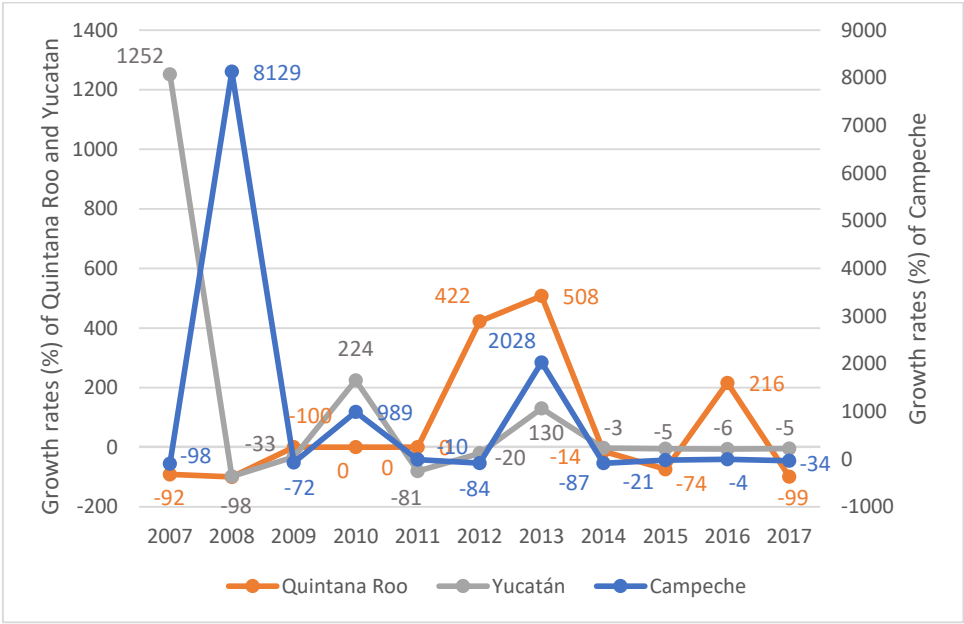


Figure S4. Changes in growth rates in the Natural Disaster Fund (2007-2018).

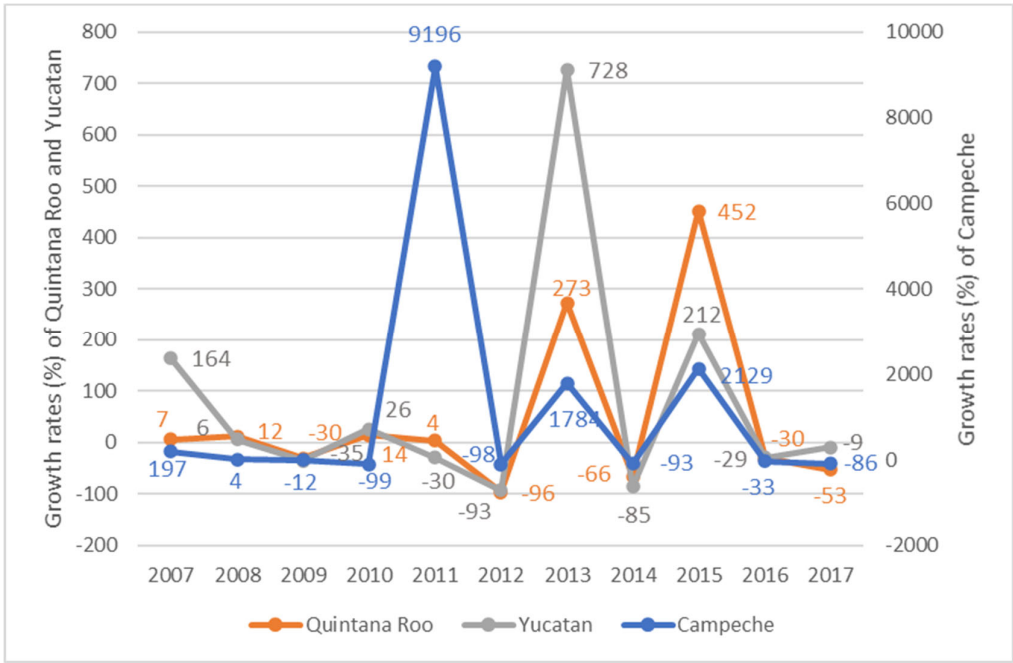


Figure S5. Change in growth rates in the highway and port infrastructure program (2007-2018).

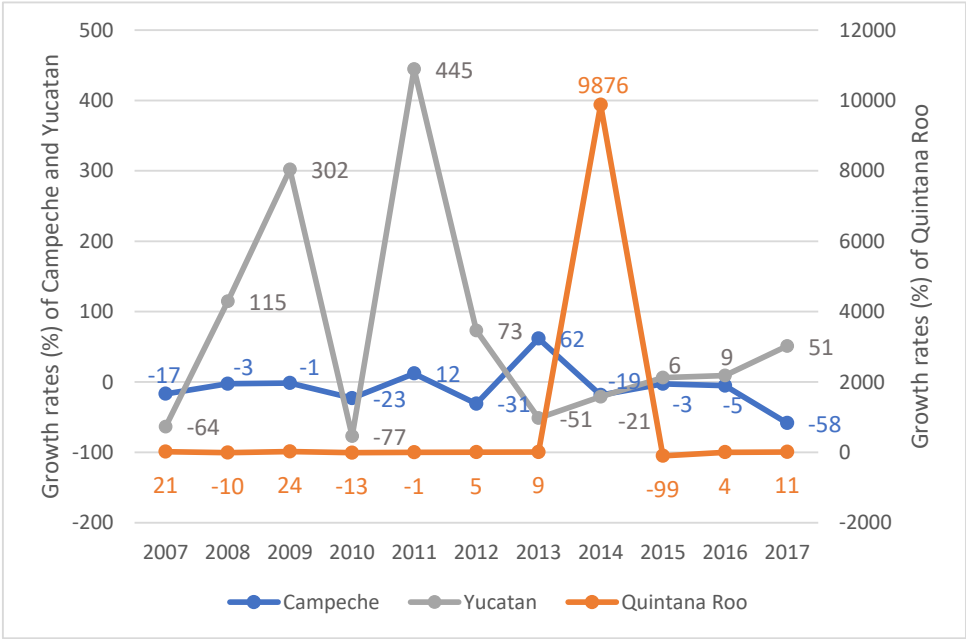


Figure S6. Change in growth rates in the Tourism Category (2007-2018).

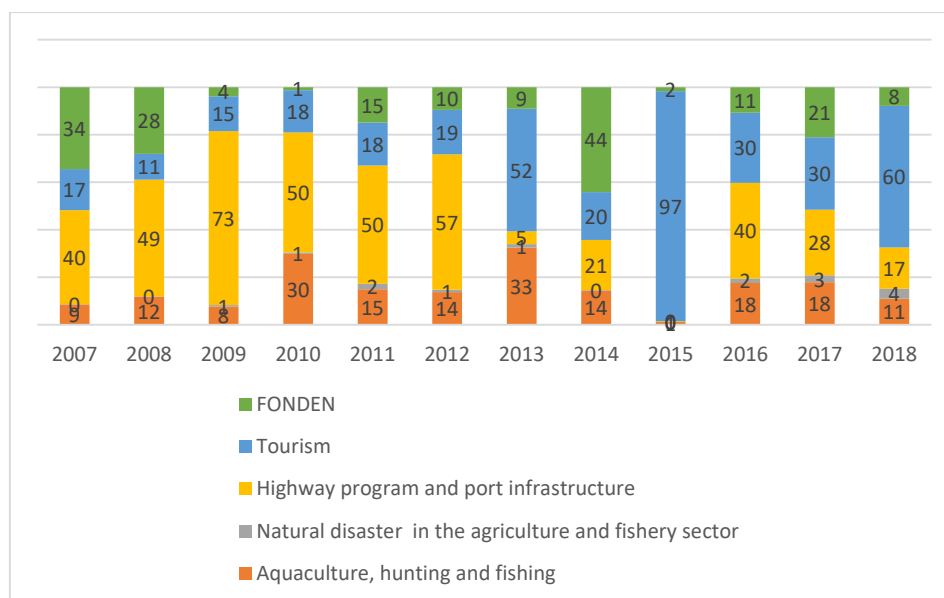


Figure S7. Changes in growth rates in the category of aquaculture, hunting and fishing, and natural disaster in the agriculture and fishery sector, highway program and port infrastructure, tourism and FONDEN of the 3 states of the sum total of the 5 categories of the 3 states.