

**Table S1: Population of the main municipalities of the Roya Valley 1793-2017 (number of inhabitants).** Source: cassini.ehess.fr, Wagner 1865, Insee, Enciclopedia Treccani (Tende and La Brigue, 1936). Realization M. Cohen

Year	Sospel	Moulinet	Breil-sur-Roya	Saorge	Fontan	Tende	La Brigue
1793	2453	702	932	3100		1500	3100
1800	2990	826	1419	1720		1491	2895
1806	3307	877	1511	1954		1654	2759
1821	3620	1029	1969	2197		2057	3300
1836	4394	405	2392	2689		2441	3729
1846	4437	1202	2637	3037		2659	4047
1856	3818	1139	2458	2685			
1861	3936	1172	2706	3356			
1866	3912	1130	2709	3180		2900	4000
1865				1990	1040		
1872	3547	1065	2595	1692	1194	3200	4800
1876	3465	865	2576	1514	1074	1903	4047
1881	3425	940	2538	1528	1205		
1886	3695	936	2565	1521	1135		
1891	3887	813	2696	1319	1158		
1896	3756	801	2668	1214	1162		
1901	3570	928	2728	1094	1184		
1906	3768	949	2645	1089	1079		
1911	3529	938	2804	954	964		
1921	3361	624	5136	988	1441		
1926	3070	606	2899	658	1021		
1931	3705	560	2666	631	860		
1936	3815	547	2562	558	731	2536	2026
1946	2156	332	1321	460	499	2158	1145
1954	2181	350	2029	588	523	2080	768
1962	2321	286	1994	520	437	1954	687
1968	2582	265	2148	508	326	2053	582
1975	1828	220	2089	330	257	1951	493
1982	2171	164	2095	322	253	1954	495
1990	2502	193	2058	362	230	2098	618
1999	2885	249	2028	396	234	1844	595
2000	3394	252			341		
2006		235	2092	431	297	2025	630
2017	3803		2158	459		2178	700

**Table S2:** Economy of the County of Nice and the municipalities of Tende and La Brigue during the 19<sup>th</sup> century [43]. Realization: M. Cohen

Land-use in ha	1801 [Fodéré]	1833 [loi sarde]	1846 [Durante]	1856 [A.Niel]	1866-67 Forest Inv	Guiot 1874
Wood		20,241	24,680	28,204	57061	50000 [Tende 7000; La Brigue 4000; Cairos 1156]
Pasture			202,000	177,572		202,600
Crops	16,853 [Cereal 6067, Meadow 1077]			43,152		25,000
Meadows				34,976		
Uncultivated				21,549		27,900
Total	305,500					305,500
Livestock in number of heads						
Bovines	13,055		12,600			19,644 [Tende 15 cattle pen, La Brigue 1]
Sheep	119,360		56,000			119,000 [Tende & La Brigue 64,407]
Sheep & goat						
Goat	36,610		120,000			33,268

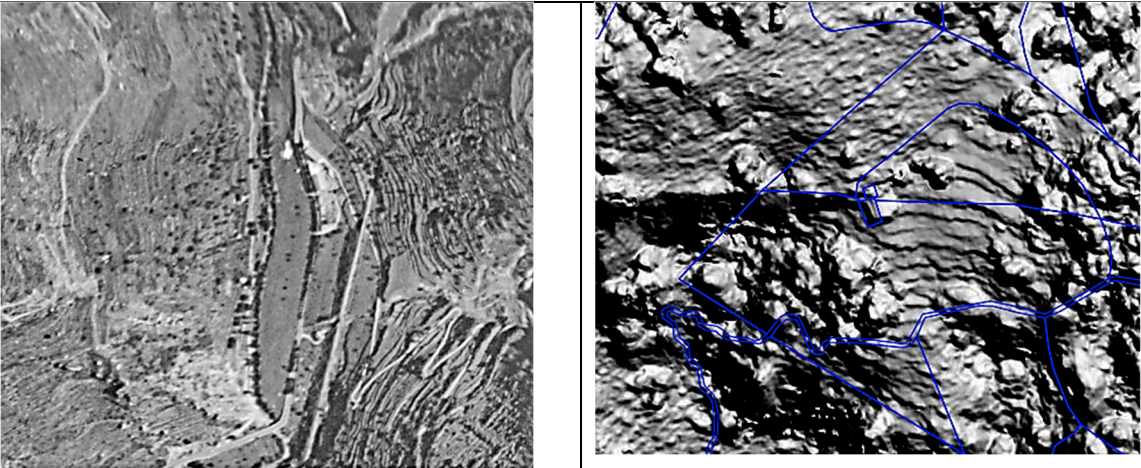



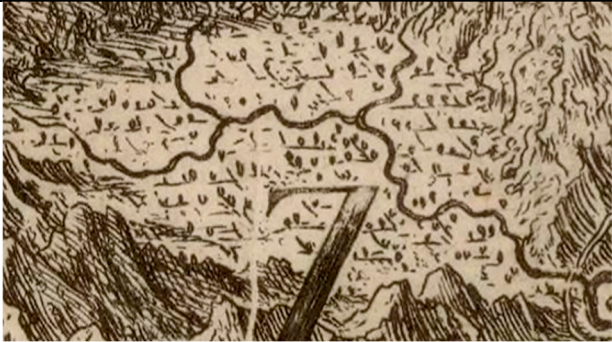
**Table S3:** Economy of the Roya Valley during the 19<sup>th</sup> century [43-44, 55]. Realization: M. Cohen




	Number of inhabitants	Surface in km <sup>2</sup>	Number of Mills	Ovens	Hay In Qx	Horses	Mules	Donkey	Cows	Sheep, goat
Moulinet	1,170	41.07	4	2			3	18	400	3000
Breil-sur-Roya	2,700	81.31	10	9	2,800	10	42	143	250	1200
Sospel	3,900	62.48		11		8	50	85		
Saorge	1,990	86.78	8	3	8,000		25	120	1,200	10,000
Fontan	1,040	49.61	1	3	1,500		9	10		
Berghe, Granile	900		1	1	1,000			15		2,000
Tende	2,900	177.47	2	5	6,000	6	50	180		1,300
La Brigue	4,000	141.99	2	5	9,000		65	290		25,000

**Table S4:** Land-use changes at the turn of the 20<sup>th</sup> century in the Maritime Alps (excluding Tende and La Brigue) [45]. Realization: M. Cohen

Unit	Land use	Maritime Alps			Highlands	Midlands	Roya
		1892	1913	1929	1929	1929	1929
Ha.	Cereals	26,037	17,690	5,467			
	Olive	19,682	>15,000	11,942			
	Chestnut			>900			
	Meadows			11,718			
	Reforestation						104
Number	Fig trees			105,500			
	Apple trees			72,000			
	Traditional hives	6,000		3,120			
	Modern hives			5,191	1,298		
	Heads of livestock	184,340	156,060	111,990			
Yield Kg	Lavender					4,000	

**Figure S1:** Detection of terraces and land-use with different sources

	
Terraces detected by aerial photography in 1947-51 (left) and Lidar “ground” (right, terraces occupy part of the plot of land in blue). Source IGN Realization: T. LeVot, M. Cohen	
	
Vine terraces in La Brigue	Intercropping on terraces in Saorge
	
Tree-cropping on terraces, Breil-sur-Roya	Intercropping in the Ceva valley
Source: Bergonio map (1680). Realization: M. Cohen	

	
<p>Tree-cropping (Piena, Breil-sur-Roya), 1750</p>	<p>Intercropping on terraces (right bank) and herbaceous crops (left bank) (Breil-sur-Roya), 1750</p>  <p>Letters "c", Bc and "B" corresponding to crops, intercropped and woods in Tende, 1850</p>
<p>Source: Bourcet map (1750, Archives militaires de Vincennes) and Topographic map (1850, Military school Library). Realization: M. Cohen</p>	