

Supplementary data

Table S1. Changes in land use in surface area (ha) and proportion of land area (%) compared to the beginning of the 1956–1986 interval.

	1956 ↓	1986 →							
Land use (ha y%)	1	2	3	4	5	6	7	8	9
1 Meadow	458.99 (83.64)	37.94 (6.91)	1.88 (0.34)	0.00 (0.00)	25.45 (4.64)	14.50 (2.64)	7.74 (1.41)	0.00 (0.00)	2.27 (0.41)
2 Pasture	14.67 (2.15)	636.38 (93.38)	0.00 (0.00)	1.45 (0.21)	28.59 (4.20)	0.00 (0.00)	0.00 (0.00)	0.15 (0.02)	0.23 (0.03)
3 Crop	1180.85 (85.90)	88.68 (6.45)	5.08 (0.37)	0.15 (0.01)	50.66 (3.69)	27.07 (1.97)	21.85 (1.59)	0.00 (0.00)	0.28 (0.02)
4 Unproductive	0.00 (0.00)	0.00 (0.00)	0.00 (0.00)	2.31 (100.00)	0.00 (0.00)	0.00 (0.00)	0.00 (0.00)	0.00 (0.00)	0.00 (0.00)
5 Forest	0.34 (0.02)	6.53 (0.29)	0.00 (0.00)	0.00 (0.00)	2253.25 (99.11)	0.00 (0.00)	12.59 (0.55)	0.00 (0.00)	0.82 (0.04)
6 Urbanized area	0.15 (0.43)	0.00 (0.00)	0.00 (0.00)	0.00 (0.00)	0.00 (0.00)	35.24 (99.57)	0.00 (0.00)	0.00 (0.00)	0.00 (0.00)
7 Reservoir	0.00 -	0.00 -	0.00 -	0.00 -	0.00 -	0.00 -	0.00 -	0.00 -	0.00 -
8 Communication route	0.02 (0.03)	0.00 (0.00)	0.00 (0.00)	0.00 (0.00)	0.00 (0.00)	0.00 (0.00)	0.00 (0.00)	92.38 (99.97)	0.00 (0.00)
9 Riverbed	0.00 (0.00)	0.00 (0.00)	0.00 (0.00)	0.00 (0.00)	0.00 (0.00)	0.00 (0.00)	9.28 (4.27)	0.00 (0.00)	208.15 (95.73)
% respect 1956	(301.58)	(112.92)	(0.51)	(169.12)	(103.71)	(217.02)	-	(100.14)	(97.39)

Table S2. Changes in land use in surface area (ha) and proportion of land area (%) compared to the beginning of the 1986–2016 interval.

	1986 ↓	2016 →							
Land use (ha y%)	1	2	3	4	5	6	7	8	9
1 Meadow	969.53 (58.58)	184.06 (11.12)	1.13 (0.07)	2.51 (0.15)	393.46 (23.77)	100.04 (6.04)	0.00 (0.00)	2.65 (0.16)	1.65 (0.10)
2 Pasture	0.00 (0.00)	600.80 (78.07)	0.00 (0.00)	0.00 (0.00)	156.56 (20.35)	8.82 (1.15)	0.00 (0.00)	0.00 (0.00)	3.35 (0.44)
3 Crop	5.41 (77.65)	0.15 (2.18)	1.12 (16.03)	0.00 (0.00)	0.21 (2.96)	0.08 (1.18)	0.00 (0.00)	0.00 (0.00)	0.00 (0.00)
4 Unproductive	0.00 (0.00)	1.45 (37.03)	0.00 (0.00)	2.14 (54.84)	0.17 (4.29)	0.15 (3.84)	0.00 (0.00)	0.00 (0.00)	0.00 (0.00)
5 Forest	0.95 (0.04)	0.21 (0.01)	0.00 (0.00)	0.88 (0.04)	2351.57 (99.73)	4.03 (0.17)	0.00 (0.00)	0.00 (0.00)	0.31 (0.01)

6	0.00	0.00	0.00	0.00	0.00	76.81	0.00	0.00	0.00
Urbanized area	(0.00)	(0.00)	(0.00)	(0.00)	(0.00)	(100.00)	(0.00)	(0.00)	(0.00)
7	0.00	0.00	0.00	0.00	0.00	0.00	51.46	0.00	0.00
Reservoir	(0.00)	(0.00)	(0.00)	(0.00)	(0.00)	(0.00)	(100.00)	(0.00)	(0.00)
8	0.00	0.00	0.00	0.00	0.00	0.00	0.00	92.54	0.00
Communication route	(0.00)	(0.00)	(0.00)	(0.00)	(0.00)	(0.00)	(0.00)	(100.00)	(0.00)
9	2.41	0.11	0.00	0.38	3.61	6.11	1.53	0.15	197.45
Riverbed	(1.14)	(0.05)	(0.00)	(0.18)	(1.71)	(2.89)	(0.72)	(0.07)	(93.25)
% respect 1986	(59.11)	(102.24)	(32.25)	(151.51)	(123.22)	(255.22)	(102.97)	(103.03)	(95.75)