

Supplementary Data

Table S1. Landsat-7 ETM+ and reference data dates used to carry out the study, and number of water bodies for each date.

Year	Image Date	Reference data Date	Number of water bodies
2007	11 Aug.	15 Aug.	1
2009	10 Sept.	10 Sept.	1
2011	18 Feb., 07 March, 09 May, 19-26 Jun., 28 Jul., 11 Oct.	10 Feb., 07 March, 09 May, 19-28 Jun., 24 Jul., 10 Oct.	6
2012	16 Aug., 15 Sept., 3-17 Oct.	10 Aug., 14 Sept., 9-15 Oct.	4
2013	08 Feb., 25 Jun.	10 Feb., 29 Jun.	2
2014	19 Jun., 21 Jul.	18 Jun., 28 Jul.	2
2015	05 Apr., 12-28 May, 20 Jun., 22 Jul., 20 Nov.	31 March., 14-28 May, 19 Jun., 23 Jul., 20 Nov.	10
2016	17 Nov.	11 Nov.	1
2017	25 March, 27-29 Jul.	19 March, 26-29 Jul.	4

Table S2. Sentinel-2A/2B dates used to carry out the study and number of water bodies for each date.

Year	Image Date	Reference data Date	Number of water bodies
2017	9 Apr., 15 Jun., 28-31 Jul., 29 Oct.	11 Apr., 14 Jun., 26-29 Jul., 26 Oct.	8
2018	15-20 Jun., 21 Jul., 4-25 Aug.	15-19 Jun., 22 Jul., 2-3-25 Aug.	7
2019	6 May, 11-25 Jul., 10-12-14-15-30 Aug.	5 May, 11-25 Jul., 12-13-14-15-30 Aug.	10