
Supplementary Material of

Lake and Land Breezes at a Mediterranean Artificial Lake: Observations in Alqueva Reservoir, Portugal

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Table S1. Number of hours of lake breeze occurrences.

Data	00h	01h	02h	03h	04h	05h	06h	07h	08h	09h	10h	11h	12h	13h	14h	15h	16h	17h	18h	19h	20h	21h	22h	23h	Total
2017/05	1	1	0	0	1	3	3	7	9	7	9	11	9	7	6	4	4	2	1	2	2	0	0	1	90
2017/06	2	0	0	0	1	1	3	6	10	12	11	10	10	10	9	6	6	5	4	2	3	0	0	1	112
2017/07	2	0	1	0	0	1	0	3	8	13	16	16	16	13	8	6	5	2	1	1	0	0	0	0	112
2017/08	0	0	1	1	0	0	2	5	9	13	14	17	17	11	13	11	7	6	4	1	0	0	0	0	132
2017/09	0	0	0	0	0	0	1	0	6	10	11	15	14	11	10	7	3	3	2	1	0	0	0	1	95
2017/10	0	2	1	1	0	0	1	3	9	10	8	10	9	8	6	4	1	0	1	1	0	0	1	0	76
2017/11	0	0	0	0	0	0	0	0	0	1	3	6	5	3	2	1	0	0	0	1	0	0	0	2	24
2017/12	0	1	0	0	0	0	0	0	0	2	3	7	7	4	4	1	0	0	0	1	1	0	1	1	33
2018/01	1	0	0	0	0	0	0	0	0	1	4	7	7	5	3	3	0	0	0	0	0	1	0	1	33
2018/02	0	0	0	0	0	1	1	1	1	5	8	5	7	4	4	1	0	0	0	0	0	0	0	0	38
2018/03	0	0	0	0	0	0	0	0	1	1	1	2	1	1	0	1	1	1	0	0	0	0	0	0	10
2018/04	0	0	0	0	0	0	0	0	2	3	5	7	7	6	4	2	2	4	0	0	0	0	0	0	42
2018/05	0	1	0	0	1	0	1	2	2	8	10	12	10	6	7	4	2	1	0	0	0	0	0	0	67
2018/06	0	0	0	0	0	0	1	4	8	9	8	7	9	7	6	2	1	0	0	0	0	0	0	0	62
2018/07	0	0	1	0	0	0	1	0	4	7	11	17	16	12	10	7	1	0	0	0	0	0	0	0	87
2018/08	0	0	0	0	0	0	0	3	12	17	17	19	17	15	17	15	12	5	1	0	0	0	0	1	151
2018/09	0	0	0	0	0	0	0	2	11	10	12	11	16	15	14	11	5	1	0	0	0	0	0	0	108
2018/10	0	0	0	0	0	0	0	1	4	6	7	8	12	12	9	7	3	0	0	0	0	0	0	0	69
2018/11	0	0	0	0	0	0	1	0	0	1	0	2	4	3	4	3	1	0	1	0	0	0	0	0	20
2018/12	0	0	0	0	0	0	0	0	0	1	1	3	3	4	5	3	0	0	0	0	0	0	0	0	20
2019/01	0	0	0	0	0	0	0	0	0	0	5	7	7	6	3	5	3	0	0	0	0	0	0	0	36
2019/02	0	0	0	0	0	0	0	0	0	1	4	8	6	4	4	3	1	0	0	0	0	0	0	0	31
2019/03	0	0	0	0	0	0	0	0	1	2	4	4	7	7	4	3	1	0	0	0	0	0	0	0	33
2019/04	1	0	0	0	0	0	0	3	4	7	7	9	9	7	7	4	1	1	0	0	0	0	0	0	60
Total	7	5	4	2	3	6	15	40	101	147	179	220	225	181	159	114	60	31	15	10	6	1	2	8	1541

Table S2. Number of hours of land breeze occurrences.

Data	00h	01h	02h	03h	04h	05h	06h	07h	08h	09h	10h	11h	12h	13h	14h	15h	16h	17h	18h	19h	20h	21h	22h	23h	Total
2017/05	11	10	11	12	7	2	1	0	1	0	0	0	1	1	1	1	0	2	4	6	4	6	7	7	95
2017/06	4	7	6	9	3	4	2	0	1	0	0	0	1	1	0	0	1	1	0	2	3	3	4	5	57
2017/07	5	6	4	7	5	4	1	3	1	0	0	0	0	0	0	0	0	0	0	1	4	5	6	3	55
2017/08	7	12	11	12	11	3	5	3	2	0	1	1	0	0	1	1	1	1	1	5	4	7	4	6	99
2017/09	10	12	14	12	14	4	7	6	3	3	0	0	0	0	0	0	2	3	3	3	5	3	3	9	116
2017/10	22	20	21	21	23	20	16	6	0	1	0	0	0	0	0	1	6	16	16	18	18	22	18	22	287
2017/11	13	16	15	16	17	19	12	6	9	3	2	1	0	2	1	4	9	14	14	15	16	16	15	16	251
2017/12	19	18	17	17	17	17	19	13	12	3	0	0	0	0	0	3	8	17	18	16	16	16	19	20	285
2018/01	10	7	4	3	8	7	7	9	5	2	1	1	0	0	0	0	0	3	5	10	10	9	8	8	117
2018/02	8	11	11	11	7	7	7	6	4	0	0	0	0	0	0	0	0	0	2	5	7	7	12	9	114
2018/03	1	3	4	2	3	6	4	4	0	0	0	0	0	0	0	0	0	0	1	3	3	3	2	0	39
2018/04	4	8	7	6	6	3	5	1	0	0	0	0	0	0	0	0	0	0	2	6	6	6	6	5	71
2018/05	5	5	10	7	7	7	5	2	0	0	0	0	0	0	0	0	1	0	0	1	4	5	6	8	73
2018/06	1	2	2	3	3	5	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	18
2018/07	1	4	3	5	6	5	2	0	0	0	0	0	1	0	0	0	0	0	0	0	0	0	0	1	28
2018/08	7	10	9	8	10	13	10	1	0	0	0	0	0	0	0	0	0	1	2	6	4	2	4	5	92
2018/09	14	16	16	13	12	14	13	6	0	0	0	0	0	0	0	0	0	0	4	8	2	4	3	7	132
2018/10	12	12	9	12	10	14	11	11	1	1	0	0	0	0	0	0	0	1	5	8	9	7	10	9	142
2018/11	7	5	5	5	5	4	3	5	5	0	0	0	0	0	0	0	0	1	5	6	7	8	7	8	86
2018/12	16	12	15	9	12	13	9	8	8	1	0	0	0	0	0	1	0	8	12	13	14	17	16	10	194
2019/01	22	20	18	18	18	20	22	20	17	7	0	1	0	0	0	0	0	10	13	17	16	17	16	20	292
2019/02	15	16	14	14	15	16	14	14	8	0	0	0	0	0	0	0	0	0	11	10	12	12	13	13	197
2019/03	15	18	19	19	18	19	18	13	1	0	0	0	0	0	0	0	0	0	8	15	14	15	19	17	228
2019/04	8	9	7	10	10	12	9	0	0	0	0	0	0	0	0	0	0	0	0	2	7	5	6	7	92
Total	237	259	252	251	247	238	203	137	78	21	4	4	3	4	3	11	28	78	126	176	185	195	204	216	3160

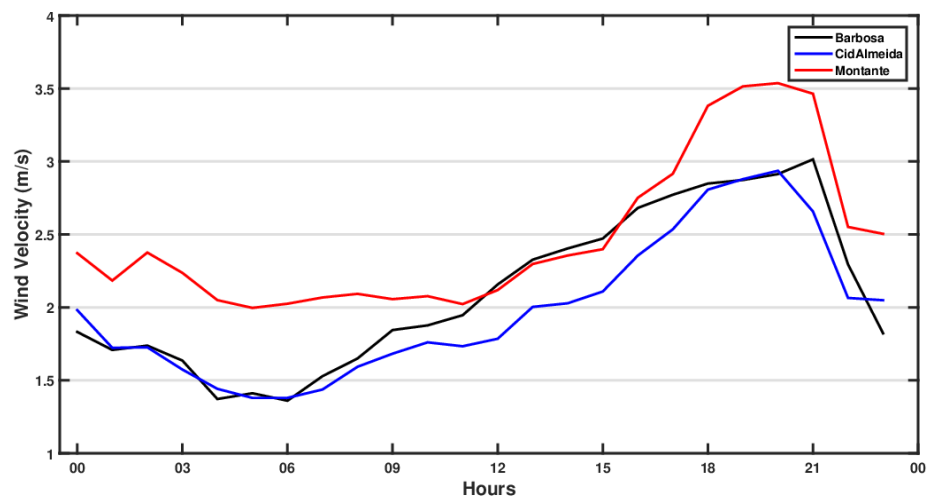


Figure S1. Daily cycle of the wind velocity in Alqueva in August 2018.

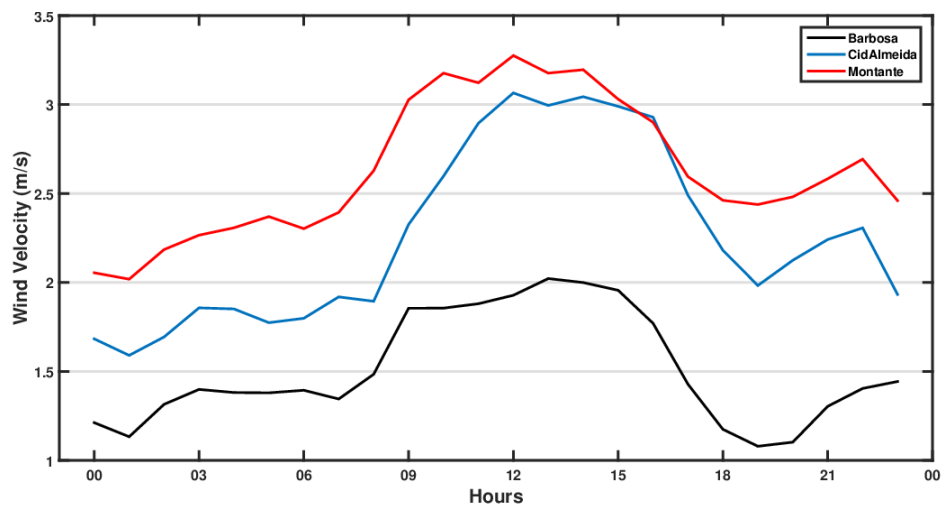


Figure S2. Daily cycle of the wind velocity in Alqueva in January 2019.