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SUPPLEMENTARY MATERIAL

Observing lake-sea tidally driven water exchange in Lake Zmajevo Oko (Rogoznica, Croatia)

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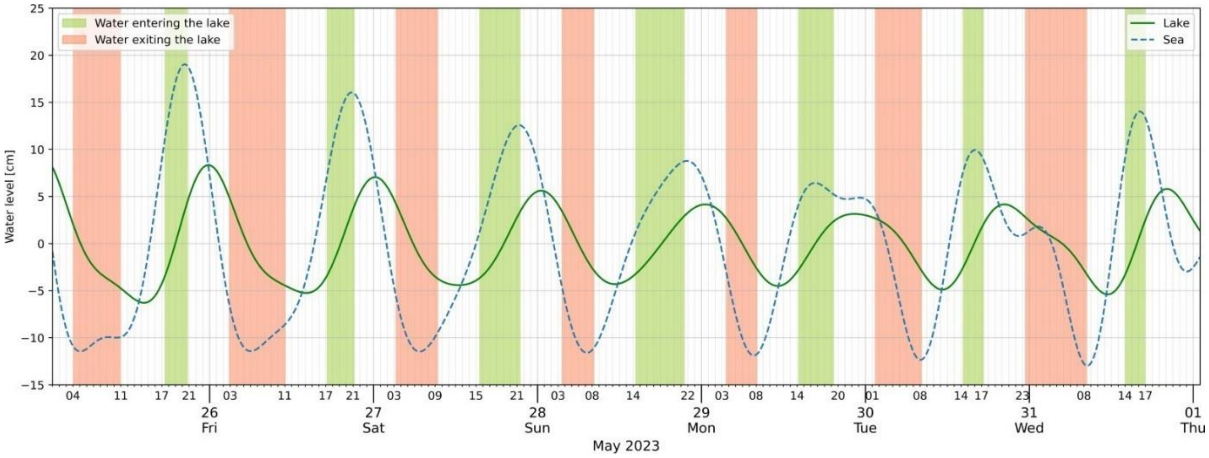

Fig. S1. Tidal forecast for ZO and the sea with noted times of the expected water inflow (direction sea → karst → lake) and outflow (direction lake → karst → sea) for 25 - 31 May 2023.

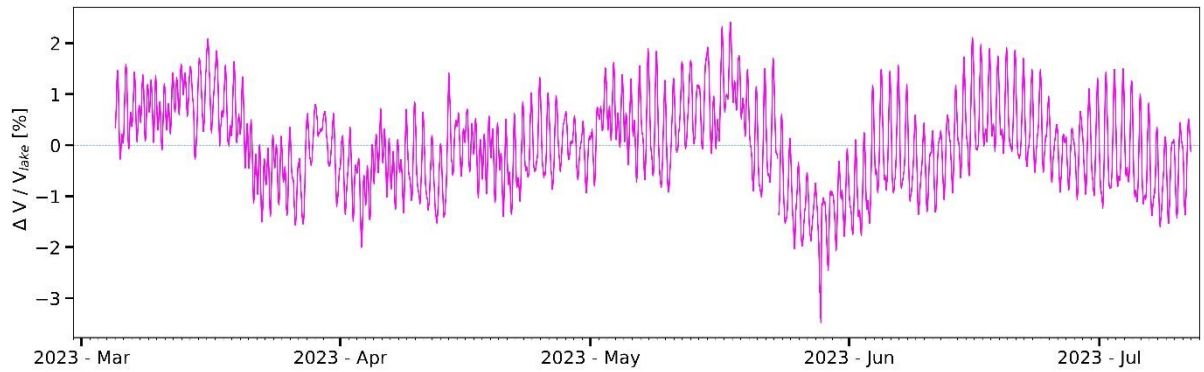

Fig. S2. Relative volume change for ZO based on March - July 2023 water level data. V_{lake} = 90691.738 m^3 (Panđa, 2020).

Table S1. Maximum daily temperature ranges for the 2020 and the 2021 series with corresponding dates and loggers' depths. ASL stands for *Above Sea Level*.

Location		Depth [m]	Jun 29, 2020 - Dec 8, 2020		Jun 24, 2021 - Jun 27, 2021	
			Max. daily temp. amplitude [°C]	Day-month	Max. daily temp. amplitude [°C]	Day-month
Lake	Cave 2 back	1.5	6.57	08-03	3.9	06-25
	Cave 2 mouth	2.8	1.63	08-05	NA	NA
	Cave 1	0.7 (2020) 1.3 (2021)	6.35	07-04	1.97	06-26
	LB E	2.8	1.29	07-06	NA	NA
	Centre	0.5	NA	NA	1.17	06-26
	LB W	2.8	1.07	09-26	NA	NA
Sea	Bay 1a	0.5	NA	NA	1.36	06-26
	Bay 2	0.5	NA	NA	1.74	06-26
Air	Land	-8.0 (ASL)	NA	NA	8.29	06-26

REFERENCES

Panđa, L. 2020. Geospatial technologies in modelling and promoting of protected areas on the example of lake Zmajevo oko (in Croatian). Master's thesis, University of Zadar, 98 pp.