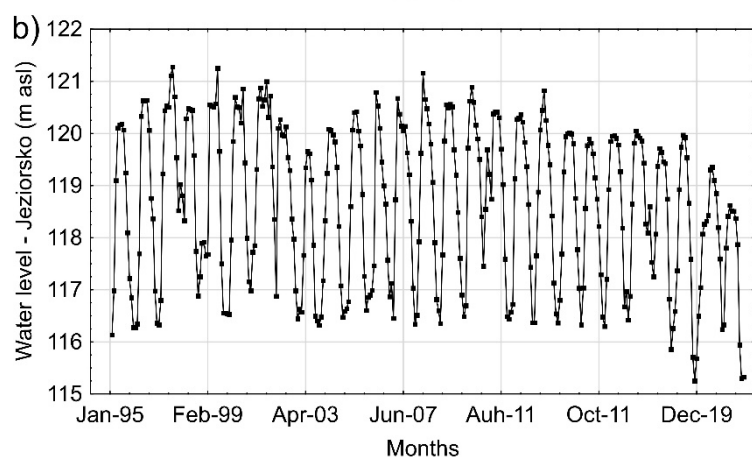
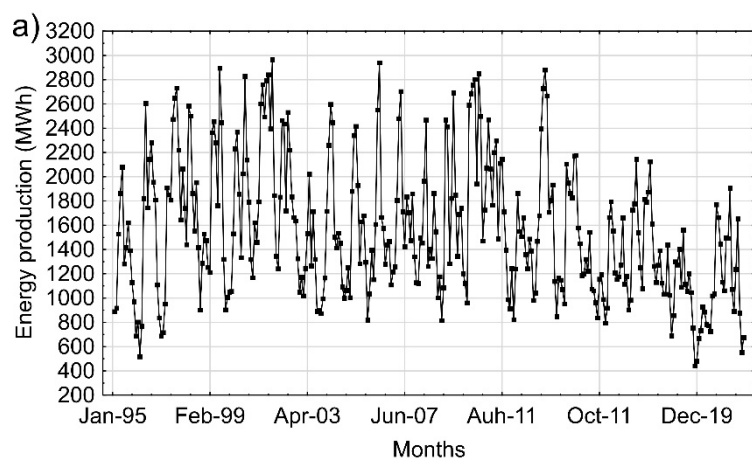


Table S1 Changes in air temperature and precipitation in station Puczniew in the period 1995-202.

Period	Temperature				Precipitation			
	S	Z-value	Sen's Slope (°C)	P-value	S	Z-value	Sen's Slope (mm)	P-value
Jan	23	0.48	0.042	0.628	77	1.68	0.806	0.094
Feb	17	0.35	0.047	0.724	-3	-0.04	-0.029	0.965
Mar	93	2.03	0.082	0.043*	-21	-0.44	-0.198	0.659
Apr	39	0.84	0.042	0.402	1	0.00	0.002	1.000
May	-59	-1.28	-0.042	0.201	-7	-0.13	-0.313	0.895
Jun	119	2.60	0.088	0.009**	5	0.09	0.072	0.930
Jul	61	1.32	0.056	0.186	-47	-1.01	-1.231	0.311
Aug	91	1.98	0.060	0.047*	71	1.54	1.244	0.123
Sep	111	2.42	0.095	0.015*	33	0.71	0.645	0.481
Oct	39	0.84	0.047	0.402	17	0.35	0.302	0.724
Nov	65	1.41	0.058	0.158	-21	-0.44	-0.218	0.659
Dec	105	2.29	0.124	0.022*	31	0.66	0.310	0.508
Year	133	2.91	0.058	0.004**	15	0.31	0.659	0.758

*- significant at a level of 0.05, **- significant at a level of 0.01



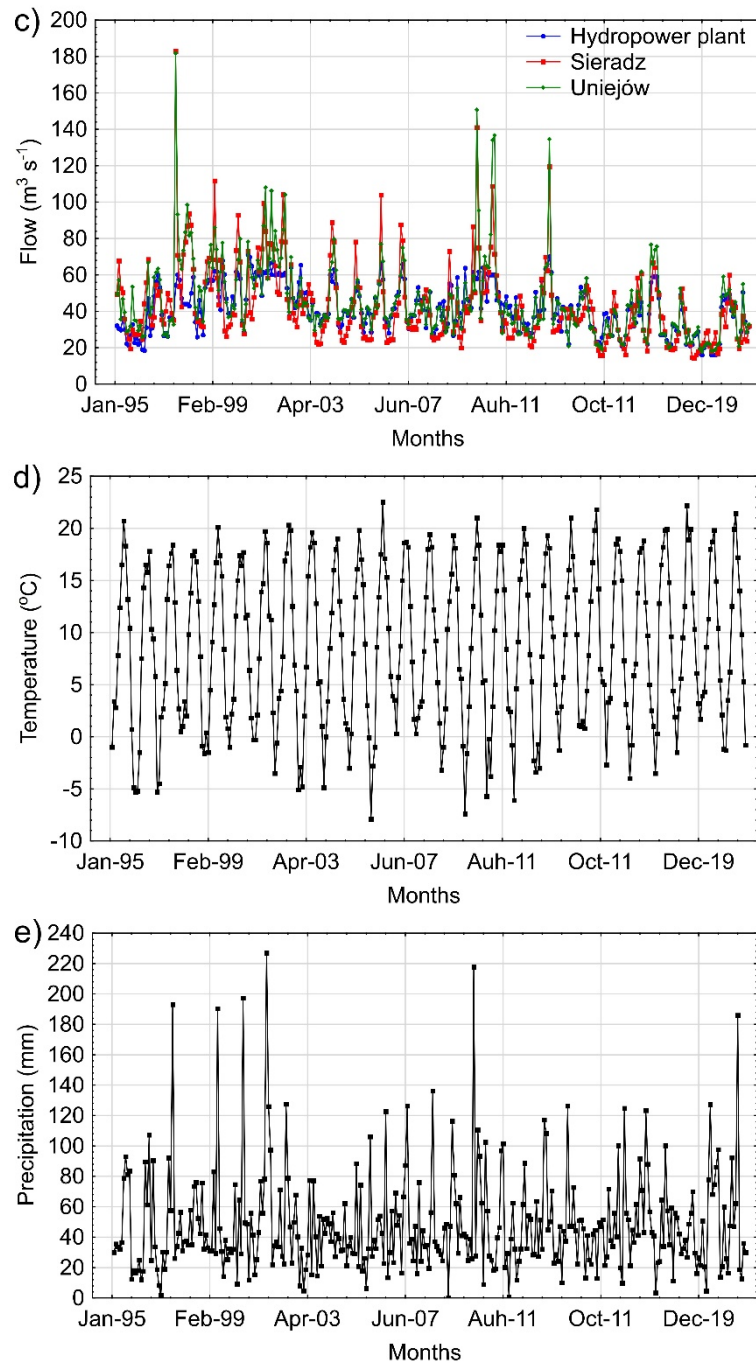


Figure S1. Monthly changes in energy production (a), water levels in the Jeziorsko dam reservoir (b), water flows through the hydropower plant, and at the Sieradz and Uniejów hydrological stations (c), air temperature (d) and precipitation (e) from 1995 to 2021.