

Group	Upper reservoir (reservoir 1)				Lower reservoir (reservoir 2)				Losses, k [s/m^8]	Installed capacity Solar [MW]	Installed capacity Wind [MW]	Q_factor [m3/s]	Demand [MWh]	Market price [€/MWh]	Dimensionless solar power production	Dimensionless wind power production	Dimensionless net income flow-rate
	Maximum volume [m^3]	Maximum level [m]	Minimum level [m]	Shape	Maximum volume [m^3]	Maximum level [m]	Minimum level [m]	Shape									
1	1,095E+09	234	227,4	Parallelepiped	4,267E+08	132,6	126	Parallelepiped	6,053E-04	2,51	3,43	52,70	See RE24_Laboratory_De mand_TimeSeries.txt	See RE24_Laboratory_M arketPrice_TimeSeri es.txt	See RE24_Laboratory_Dimension less solar power production_TimeSeries.txt	See RE24_Laboratory_Dime nsonless wind power production_TimeSeries .txt	See RE24_Laboratory_Dime nsonless net income flow-rate _TimeSeries.txt
2	1,095E+09	234	227,4	Parallelepiped	3,979E+08	132,6	126	Parallelepiped	6,436E-04	2,52	3,43	52,84					
3	1,095E+09	234	227,4	Parallelepiped	3,977E+08	132,6	126	Parallelepiped	6,261E-04	2,56	3,53	52,73					
4	1,095E+09	234	227,4	Parallelepiped	3,940E+08	132,6	126	Parallelepiped	6,390E-04	2,61	3,54	52,83					
5	1,095E+09	234	227,4	Parallelepiped	4,347E+08	132,6	126	Parallelepiped	6,336E-04	2,58	3,61	52,87					
6	1,095E+09	234	227,4	Parallelepiped	3,885E+08	132,6	126	Parallelepiped	6,409E-04	2,60	3,59	52,69					
7	1,095E+09	234	227,4	Parallelepiped	4,239E+08	132,6	126	Parallelepiped	6,625E-04	2,60	3,52	52,80					
8	1,364E+08	110	90	Parallelepiped	5,077E+07	60	40	Parallelepiped	1,857E-04	12,63	17,24	38,66					
9	1,364E+08	110	90	Parallelepiped	5,179E+07	60	40	Parallelepiped	1,806E-04	12,67	17,19	38,80					
10	1,364E+08	110	90	Parallelepiped	4,870E+07	60	40	Parallelepiped	1,708E-04	12,23	17,04	38,65					
11	1,364E+08	110	90	Parallelepiped	5,275E+07	60	40	Parallelepiped	1,793E-04	12,25	16,58	38,74					
12	1,364E+08	110	90	Parallelepiped	5,013E+07	60	40	Parallelepiped	1,829E-04	12,30	16,94	38,68					
13	1,364E+08	110	90	Parallelepiped	5,049E+07	60	40	Parallelepiped	1,742E-04	12,57	17,54	38,68					
14	1,364E+08	110	90	Parallelepiped	5,165E+07	60	40	Parallelepiped	1,780E-04	12,20	17,11	38,68					
15	3,900E+06	44	39	Parallelepiped	1,446E+06	31	26	Parallelepiped	1,120E-03	0,12	0,16	7,76					
16	3,900E+06	44	39	Parallelepiped	1,440E+06	31	26	Parallelepiped	1,060E-03	0,12	0,17	7,73					
17	3,900E+06	44	39	Parallelepiped	1,457E+06	31	26	Parallelepiped	1,188E-03	0,12	0,17	7,74					
18	3,900E+06	44	39	Parallelepiped	1,431E+06	31	26	Parallelepiped	1,174E-03	0,12	0,17	7,74					
19	3,900E+06	44	39	Parallelepiped	1,537E+06	31	26	Parallelepiped	1,137E-03	0,12	0,17	7,75					
20	3,900E+06	44	39	Parallelepiped	1,536E+06	31	26	Parallelepiped	1,155E-03	0,12	0,17	7,73					
21	1,060E+08	170	167	Parallelepiped	3,993E+07	143,5	140,5	Parallelepiped	1,676E-04	4,18	5,74	100,28					
22	1,060E+08	170	167	Parallelepiped	3,834E+07	143,5	140,5	Parallelepiped	1,543E-04	4,03	5,63	100,29					
23	1,060E+08	170	167	Parallelepiped	3,974E+07	143,5	140,5	Parallelepiped	1,611E-04	4,09	5,67	100,44					
24	1,060E+08	170	167	Parallelepiped	3,742E+07	143,5	140,5	Parallelepiped	1,611E-04	4,13	5,67	100,22					
25	1,060E+08	170	167	Parallelepiped	3,797E+07	143,5	140,5	Parallelepiped	1,718E-04	4,02	5,63	100,14					

Solar energy production over one year (*)
Multiply the value on column "Installed capacity Solar [MW]" by the time-series retrived from RE24_Laboratory_Dimensionless solar power production_TimeSeries.txt

Wind energy production over one year
Multiply the value on column "Installed capacity Wind [MW]" by the time-series retrived from RE24_Laboratory_Dimensionless wind power production_TimeSeries.txt

Net income flow-rate
Multiply the value on column "Q_factor" by the time-series retrived from RE24_Laboratory_Dimensionless net income flow-rate _TimeSeries.txt
This flow rate includes precipitation, evaporation and water penetration

(*) The installed solar capacity was estimated based on the ratio between the installed capacity of the floating PV solar park and the Alqueva dam.