

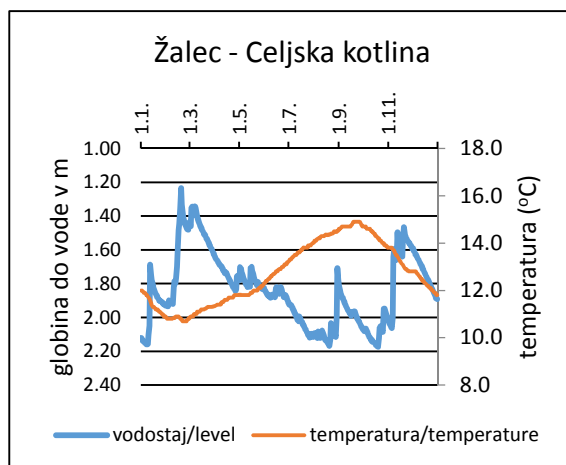
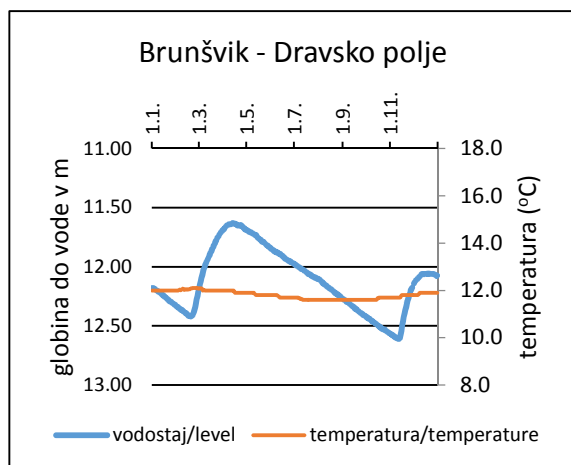
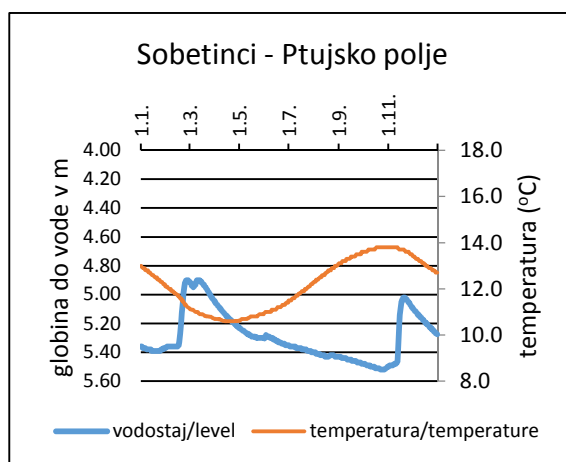
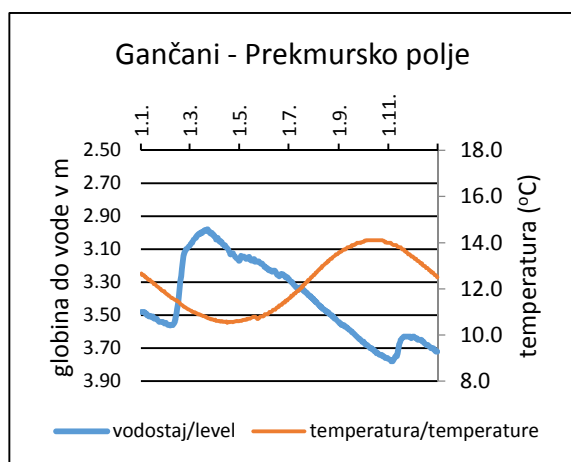
KRATEK LETNI PREGLED PODZEMNE VODE V LETU 2016

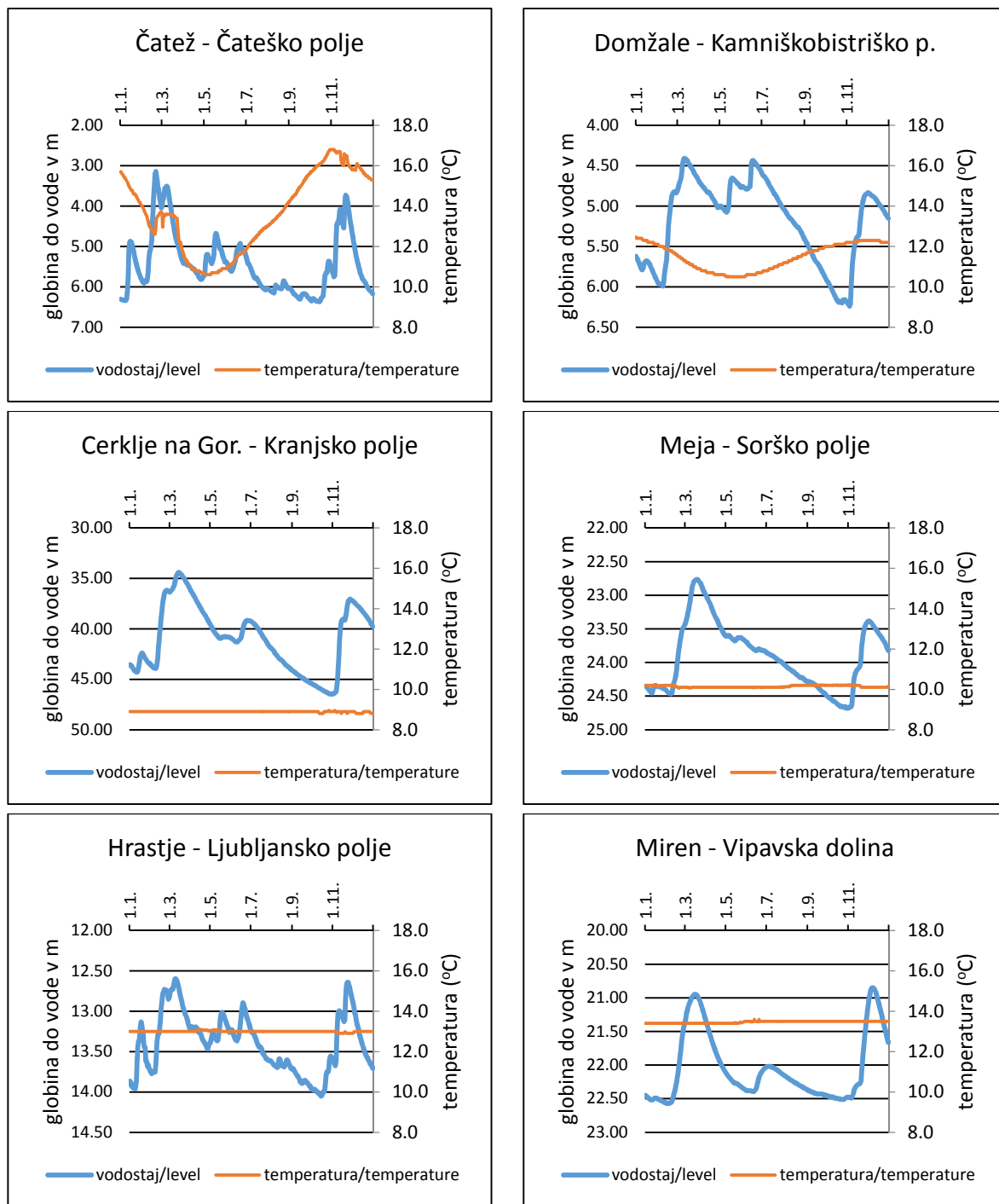
Brief annual report of Groundwater quantity in year 2016

Peter Frantar

Leta 2016 smo imeli na *medzrnskih vodonosnikih* po državi na začetku leta značilno zimsko upadanje oz. stagnacijo gladin podzemne vode. V februarju in marcu so začele gladine naraščati, tako, da smo imeli najvišje stanje gladin podzemne vode v začetku aprila. Po aprilskem višku je na večini vodonosnikov gladina upadala vse do konca novembra. Izjema je bilo območje Kamniško Bistriškega polja, kjer smo imeli v juniju višek na ravni aprilskih gladin. Novembrsko naraščanje gladin je bilo večinoma nižje od aprilskega viška, enak nivo je podzemna voda dosegla na Ljubljanskem polju in v Vipavski dolini. Konec leta so bile gladine podzemne vode ponovno v značilnem zimskem upadanju. Letni potek temperature podzemne vode je bil na plitvejših in bolj dinamičnih vodonosnikih povsem sezonski z najvišjimi temperaturami jeseni in najnižjimi pomladi, globlji vodonosniki pa so imeli konstantno temperaturo podzemne vode skozi vse leto.

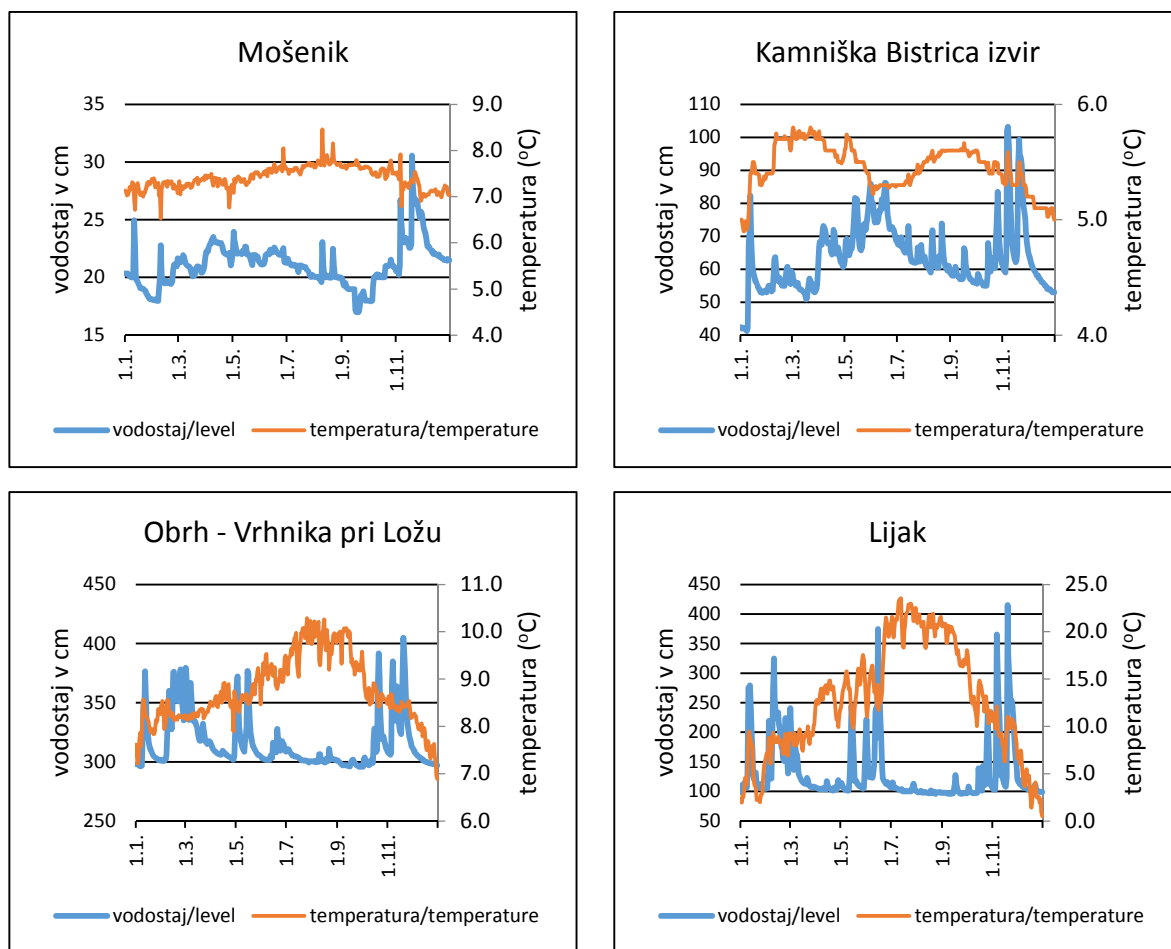
Na kraških vodonosnikih smo imeli več dinamike, vodostaji so bili odvisni predvsem od padavinskih dogodkov. Najvišji so bili večinoma jeseni, najnižji pa pozimi oziroma pozno poleti. Nihanje temperature vode je bilo na treh predstavljenih izvirih povsem sezonsko z viškom avgusta in nižkom pozimi, izvir Kamniške Bistrice pa je imel najvišjo temperaturo vode zgodaj pomladi.





Slika 4. Grafi dnevnega gibanja gladine in temperature podzemne vode na izbranih postajah na aluvialnih vodonosnikih v letu 2016

Figure 4. Daily groundwater levels and temperature on selected gauging stations on alluvial aquifers. Graphs show depth to water and water temperature on the gauging site in year 2016



Slika 5. Grafi dnevnega gibanja vodostajev in temperature na izbranih lokacijah kraških vodonosnikov v letu 2016
Figure 5. Daily water levels and temperatures on selected locations of karstic aquifers in year 2016

SUMMARY

Groundwater levels in alluvial aquifers in year 2016 had been decreasing until February and March. The high peak water level was reached in April, after that the lowering of water levels was relatively constant in almost all Slovenia until end of November. The November high peak was mostly lower as April peak. At the end of year the groundwater levels were declining as it is typical for the winter season. The groundwater temperatures on shallow aquifers show typical seasonal fluctuation pattern, on deeper aquifers the temperature was stable all the year.

Karstic aquifers had more dynamic in year 2016 since the water levels are more dependent on precipitation events. The maximum levels were in the autumn and the low levels in the winter or in the summer. Temperature fluctuation was typically seasonal on 3 gauges, only the Kamniška Bistrica spring had the maximum water temperature in early spring.