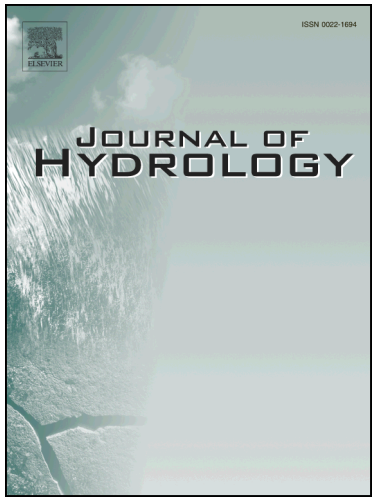

Research papers

The impact of moisture sources on the oxygen isotope composition of precipitation at a continental site in central Europe

Kristina Krklec, David Domínguez-Villar, Sonja Lojen

PII: S0022-1694(18)30298-1
DOI: https://doi.org/10.1016/j.jhydrol.2018.04.045
Reference: HYDROL 22748

To appear in: *Journal of Hydrology*

Received Date: 25 September 2017
Revised Date: 14 February 2018
Accepted Date: 17 April 2018

Please cite this article as: Krklec, K., Domínguez-Villar, D., Lojen, S., The impact of moisture sources on the oxygen isotope composition of precipitation at a continental site in central Europe, *Journal of Hydrology* (2018), doi: https://doi.org/10.1016/j.jhydrol.2018.04.045

The impact of moisture sources on the oxygen isotope composition of precipitation at a continental site in central Europe

Kristina Krklec[1], David Domínguez-Villar[2], Sonja Lojen[3, 4]

[1] Department of Soil Science, Faculty of Agriculture, University of Zagreb, Zagreb, Croatia

[2] School of Geography, Earth and Environmental Sciences, University of Birmingham, Birmingham, UK

[3] Department of Environmental Sciences, Jožef Stefan Institute, Ljubljana, Slovenia

[4]Faculty of Environmental Sciences, University of Nova Gorica, Nova Gorica, Slovenia

Corresponding author: kkrklec@agr.hr

Abstract

The stable isotope composition of precipitation records processes taking place within the hydrological cycle. Potentially, moisture sources are important controls on the stable isotope composition of precipitation, but studies focused on this topic are still scarce. We studied the moisture