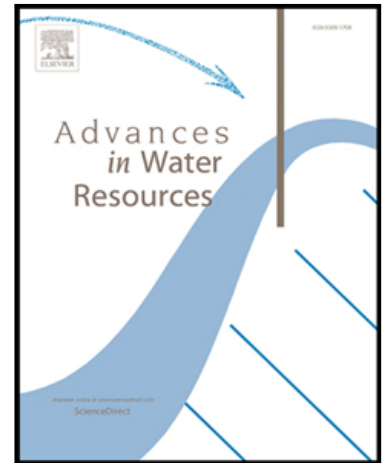


Accepted Manuscript

Seasonal hydrologic buffer on continents: patterns, drivers and ecological benefits

Sylvain Kuppel , Ying Fan , Esteban G. Jobbágy

PII: S0309-1708(16)30227-5
DOI: [10.1016/j.advwatres.2017.01.004](https://doi.org/10.1016/j.advwatres.2017.01.004)
Reference: ADWR 2765



To appear in: *Advances in Water Resources*

Received date: 11 July 2016

Please cite this article as: Sylvain Kuppel , Ying Fan , Esteban G. Jobbágy , Seasonal hydrologic buffer on continents: patterns, drivers and ecological benefits, *Advances in Water Resources* (2017), doi: [10.1016/j.advwatres.2017.01.004](https://doi.org/10.1016/j.advwatres.2017.01.004)

This is a PDF file of an unedited manuscript that has been accepted for publication. As a service to our customers we are providing this early version of the manuscript. The manuscript will undergo copyediting, typesetting, and review of the resulting proof before it is published in its final form. Please note that during the production process errors may be discovered which could affect the content, and all legal disclaimers that apply to the journal pertain.

Highlights

- 1/4 of land precipitation is released with seasonal delay, with disparate patterns
- The main driver is seasonality in climatic surpluses/deficits, followed by snowfall
- Buffered lateral transfers by rivers are visible, supporting evaporation downstream
- Dry-season plant water use is largest in monsoonal and Mediterranean climates

Download English Version:

<https://daneshyari.com/en/article/5763672>

Download Persian Version:

<https://daneshyari.com/article/5763672>

[Daneshyari.com](https://daneshyari.com)