

Supplement of Hydrol. Earth Syst. Sci., 22, 3421–3434, 2018  
<https://doi.org/10.5194/hess-22-3421-2018-supplement>  
© Author(s) 2018. This work is distributed under  
the Creative Commons Attribution 4.0 License.



*Supplement of*

## **Hydroclimatic control on suspended sediment dynamics of a regulated Alpine catchment: a conceptual approach**

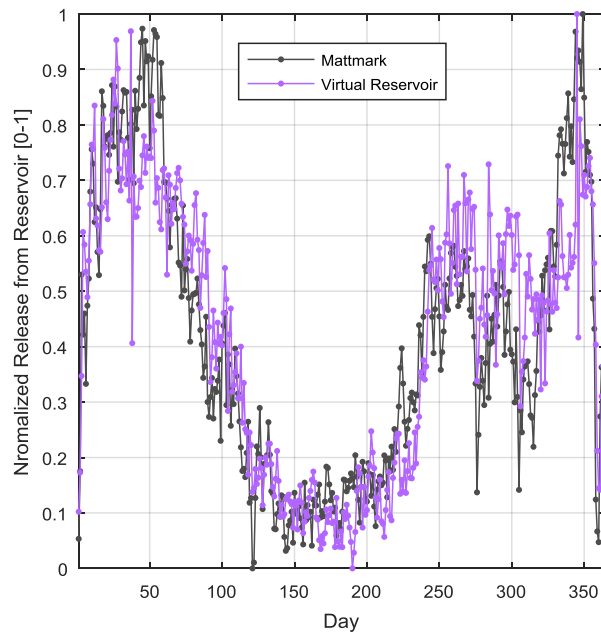
**Anna Costa et al.**

*Correspondence to:* Anna Costa (costa@ifu.baug.ethz)

The copyright of individual parts of the supplement might differ from the CC BY 4.0 License.

**Table S1: List of the main 13 hydropower reservoirs included in this study and their capacity.**

| Name           | Capacity<br>[ $10^6 \text{ m}^3$ ] |
|----------------|------------------------------------|
| Griessee       | 18                                 |
| Mattmark       | 100                                |
| Moiry          | 77                                 |
| Grande Dixence | 400                                |
| Mauvoisin      | 211.5                              |
| Les Toules     | 20                                 |
| Emosson        | 205                                |
| Salanfe        | 40                                 |
| Tseuzier       | 50                                 |
| Cleuson        | 20                                 |
| Gibidum        | 9.2                                |
| Illsee         | 6.6                                |
| Arnensee       | 10.3                               |



10

**Figure S1: Mean daily normalized water release from the hydropower reservoir Mattmark (average of observations over the period January 1994 – December 2015) and from the virtual reservoir (average of simulations over the period January 1975 – December 2015).**

15