

DOCTORADO EN CIENCIAS AGROALIMENTARIAS

Paolo Reggiani

Publicaciones (2017- 2021)

1. Ebling, É., Reichert, J., Zuluaga, J., Rodrigues, M., Valente, M., Lopes, R., **Reggiani, P.**, Srinivasan, R. 2021. Event-based hydrology and sedimentation in paired watersheds under commercial eucalyptus and grasslands in the Brazilian Pampa biome. *International Soil and Water Conservation Research*, 9: 180-194. Q1.
2. **Reggiani, P.**, Todini, E., Boyko, O., Buizza, R. 2021. Assessing uncertainty for decision-making in climate adaptation and risk mitigation. *International Journal of Climatology*, 41: 2891-2912. Q2.
3. Hamm, A., Arndt, A., Kolbe, C., Wang, X., Thies, B., Boyko, O., **Reggiani, P.**, Scherer, D., Bendix, J., Schneider, C. 2020. Intercomparison of gridded precipitation datasets over a sub-region of the central himalaya and the southwestern tibetan plateau. *Water (Switzerland)*, 12: 3271. Q2.
4. Gumindoga, W., Rientjes, T., **Reggiani, P.**, Makurira, H. 2020. Hydrologic evaluation of bias corrected CMORPH rainfall estimates at the headwater catchment of the Zambezi River. *Physics and Chemistry of the Earth*, 115: 102809. Q3.
5. Gumindoga, W., Rientjes, T., Haile, A., Makurira, H., **Reggiani, P.** 2019. Performance evaluation of CMORPH satellite precipitation product in the Zambezi Basin. *International Journal of Remote Sensing*, 40: 7730-7749. Q2.
6. Gumindoga, W., Rientjes, T., Tamiru, A., Makurira, H., **Reggiani, P.** 2019. Performance of bias-correction schemes for CMORPH rainfall estimates in the Zambezi River basin. *Hydrology and Earth System Sciences*, 23: 2915-2938. Q1.
7. Zhang, Y., Li, H., **Reggiani, P.** 2019. Climate variability and climate change impacts on land surface, hydrological processes and water management. *Water (Switzerland)*, 11: 1492. Q2.
8. **Reggiani, P.**, Boyko, O. 2019. A Bayesian processor of uncertainty for precipitation forecasting using multiple predictors and censoring. *Monthly Weather Review*, 147: 4367-4387. Q2.
9. **Reggiani, P.**, Todini, E. 2018. On the validity range and conservation properties of diffusion analogy and variable parameter Muskingum. *Journal of Hydrology*, 563: 167-180. Q1.
10. Schwanenberg, D., Natschke, M., Todini, E., **Reggiani, P.** 2018. Scientific, technical and institutional challenges towards next-generation operational flood risk management decision support systems. *International Journal of River Basin Management*, 16: 345-352. Q2.
11. Verkade, J., Brown, J., Davids, F., **Reggiani, P.**, Weerts, A. 2017. Estimating predictive hydrological uncertainty by dressing deterministic and ensemble forecasts; a comparison, with application to Meuse and Rhine. *Journal of Hydrology*, 555: 257-277. Q1.

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12. **Reggiani, P.**, Mukhopadhyay, B., Rientjes, T., Khan, A. 2017. A joint analysis of river runoff and meteorological forcing in the Karakoram, upper Indus Basin. Hydrological Processes, 31: 409-430. Q2.

Proyectos con financiamiento externo últimos 5 años (adjudicado y/o ejecutado)

1. H-SAF Datenassimilation under model and predictive uncertainties.
Financiamiento: Bundesantalt für Gewässerkunde
Rol: Director
Duración: 2019-2022
Año adjudicación: 2018
2. Precipitation patterns, snow and glacier response in High Mountain Asia and their variability on sub-decadal time scales.
Financiamiento: Deutsche Forschungsgemeinschaft
Rol: Director
Duración: 2018-2021
Año adjudicación: 2017
3. BSCALE: Downscaling of precipitation: development, calibration and validation of a probabilistic Bayesian approach.
Financiamiento: Deutsche Forschungsgemeinschaft
Rol: Director
Duración: 2018-2022
Año adjudicación: 2017
4. AGRI-H2O-CE Sustainable use of water and soil resources in irrigated agriculture in Chile
Financiamiento: German Ministry of Education and Research
Rol: Director
Duración: 2017-2021
Año adjudicación: 2016