

## List of Publications

1. Shayeghi A., Rahmati Ziveh A., Bakhtar A., Teymoori J., Hanel M., **Vargas Godoy M.R.**, Markonis Y. & AghaKouchak A. (2024). Assessing drought impacts on groundwater and agriculture in Iran using high-resolution precipitation and evapotranspiration products. *Journal of Hydrology*, Accepted, In press.
2. **Vargas Godoy, M. R.**, Markonis, Y., Rakovec, O., Jenicek, M., Dutta, R., Pradhan, R. K., Bešťáková, Z., Kyselý, J., Juras, R., Papalexiou, S. M., & Hanel, M. (2024). Water cycle changes in Czechia: A multi-source water budget perspective. *Hydrology and Earth System Sciences*, 28(1), 1–19. <https://doi.org/10.5194/hess-28-1-2024>
3. **Vargas Godoy, M. R.**, & Markonis, Y. (2023a). pRecipe: A global precipitation climatology toolbox and database. *Environmental Modelling & Software*, 165, 105711. <https://doi.org/10.1016/j.envsoft.2023.105711>
4. **Vargas Godoy, M. R.**, & Markonis, Y. (2023b). Water cycle changes in reanalyses: A complementary framework. *Scientific Reports*, 13(1), Article 1. <https://doi.org/10.1038/s41598-023-31873-5>
5. Bešťáková, Z., Strnad, F., **Vargas Godoy, M. R.**, Singh, U., Markonis, Y., Hanel, M., Máca, P., & Kyselý, J. (2023). Changes of the aridity index in Europe from 1950 to 2019. *Theoretical and Applied Climatology*, 151(1), 587–601. <https://doi.org/10.1007/s00704-022-04266-3>
6. Nasreen, S., Součková, M., **Vargas Godoy, M. R.**, Singh, U., Markonis, Y., Kumar, R., Rakovec, O., & Hanel, M. (2022). A 500-year annual runoff reconstruction for 14 selected European catchments. *Earth System Science Data*, 14(9), 4035–4056. <https://doi.org/10.5194/essd-14-4035-2022>
7. Pradhan, R. K., Markonis, Y., **Vargas Godoy, M. R.**, Villalba-Pradas, A., Andreadis, K. M., Nikolopoulos, E. I., Papalexiou, S. M., Rahim, A., Tapiador, F. J., & Hanel, M. (2022). Review of GPM IMERG performance: A global perspective. *Remote Sensing of Environment*, 268, 112754. <https://doi.org/10.1016/j.rse.2021.112754>
8. **Vargas Godoy, M. R.**, Markonis, Y., Hanel, M., Kyselý, J., & Papalexiou, S. M. (2021). The Global Water Cycle Budget: A Chronological Review. *Surveys in Geophysics*, 42(5), 1075–1107. <https://doi.org/10.1007/s10712-021-09652-6>