Dear Dr. Blume,

Thank you for your comment.

What we meant with the second sentence is, that after rainfall not all water seeps through the soil at once, but some of it takes more time. Indeed, these slower components are affected by other processes as well, but in the model it still shows as a continuous slow decay of the precipitation coefficients.
We rewrote the section to explain this better:

"These findings can be explained with the following conceptualization: after rainfall, as rainwater reaches the groundwater table it creates a hydraulic gradient, and the hydraulic signal reaches the lake very rapidly. The impact of the rainfall is still visible a few days later, as some of the water takes more time to seep through the soil. This impact decays over time continuously."