

“Insights on groundwater renewability from age and residence time analysis”

von Prof. Dr. Bayani Cardenas
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Abstract

Groundwater is important for energy and food security, human health, and ecosystem quality. Groundwater age, the time since groundwater was recharged, is useful information for the different contexts noted above. It is also directly important for diverse geologic processes, such as chemical weathering, surface water eutrophication and climate change, for example. However, measured groundwater ages range from months to millions of years. This presentation summarizes results of collaborative efforts to globally map how much groundwater is present, the age distribution of groundwater, and the timescales for replenishment to assess groundwater renewability.

Mehr Informationen zur Birdsall-Dreiss-Lecture und Prof. Bayani Cardenas finden Sie auf der Webseite der Geological Society of America: <https://community.geosociety.org/hydrodivision/home>



Zentrum für Wasserforschung Freiberg

Winklerstraße 5 | 09599 Freiberg

<https://tu-freiberg.de/zewaf>