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Classification and prediction of river network ephemerality and its relevance for waterborne disease epidemiology

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Highlights

- Hydrological ephemerality is a key driver of waterborne disease transmission
- A methodology is developed to classify and predict ephemerality in data-scarce regions
- Schistosomiasis prevalence is non-linearly linked to ephemerality in Burkina Faso
- The approach unlocks the spatial ecohydrological modeling of waterborne diseases

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