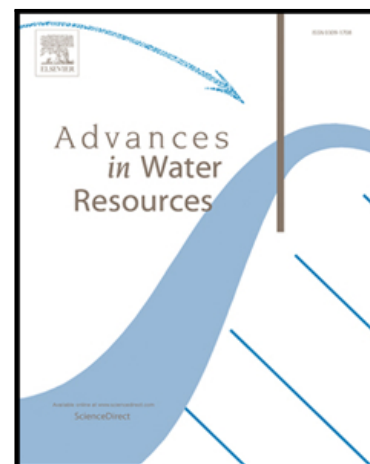


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On the optimal selection of interpolation methods for groundwater contouring: An example of propagation of uncertainty regarding inter-aquifer exchange

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Highlights

- 9 interpolation methods for a Jurassic karst & a Quaternary alluvial aquifer are compared
- Calculated inter-aquifer exchange rates vary greatly depending on the chosen method
- Plausibility was additionally validated with eco-hydrogeological data (e.g. wetlands)
- **Best results achieved with co-kriging incorporating additional data, e.g. topography**

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