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Selection of appropriate defuzzification methods: application to the assessment of dam performance

Aurélie TALON, Corinne CURT

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## Highlights

- We propose an approach for selecting appropriate defuzzification methods that fulfills the requirements of a group of experts.
- We propose a sensitivity analysis of defuzzification methods.
- We apply this approach to the assessment of dam performance.
- Methods were chosen in relation to the objectives (decision-support and communication) defined by a group of dam experts.
- The approach is applied to a real case.

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