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A fuzzy set-based approach to data reconciliation in material flow modeling

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Highlights

- A framework for data reconciliation in MFA using fuzzy set theory is proposed.
- The framework consists of a data characterisation and a balancing model and data step.
- The framework is applied to wood flows in Austria as a case study.
- Possible ranges and consistency levels are determined for each flow in the system.
- A clear trade-off between trust in the input data and model consistency is observed.

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