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Intermittent conditioning of library archives: microclimate analysis and energy impact

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Highlights

- This paper explores the possibility for different climate control strategies on the energy impact and microclimate behavior in a library repository environment.
- Extensive hygrothermal monitoring is used to assess the current indoor climate under regular conditions and intervention periods.
- Validation of a multi zone numerical model is executed to investigate intermittent conditioning and dynamic setpoint control.
- Resulting indoor climate conditions are assessed for collection preservation by using and discussing the specific risk assessment method.

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