Collection Storage Environments in the National Museum of Denmark

The use of MyClimateData web-based information system

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Aim: To find an alternative store for a collection of wooden furniture

Bad storage climate - Facts

The parameters used to compare different storage facilities are:

- Climate: Temperature and relative humidity (RH)
- Time-Weighted Preservation Index (TWPI) – Relative life expectancy
- Mold Risk Factor (MRF) – Biological decay
- Dimensional Change Metrics (DCM) – Mechanical damage

Good storage climate - Solution

Monitoring of the climate in the shelter started in the summer 2006. In autumn 2006, it was evident that dehumidification was necessary and RH was stabilized around 50%. Consequently, MRF and DCM improved greatly and the store started to be used in November 2006.

The information system MyClimateData was used to investigate alternative locations for storage of wooden objects

For more information

Sex conference preprint Documenting and optimizing storage conditions at the National Museum of Denmark by Reilly, Johnsen & Jensen (2007).

Tool

The web based information system MyClimateData makes the information from Climate Notebook® easy accessible.

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