



Bibliothèque numérique de l'enssib

Les choix stratégiques des bibliothèques de recherche, 5 au 9 juillet 2005
34^e congrès LIBER

Where are we going ? Overview of major collaborative conservation research projects and implications for the future preservation of collections

PALM, Jonas

PALM, Jonas. Where are we going ? Overview of major collaborative conservation research projects and implications for the future preservation of collections. In *34th LIBER Annual General Conference, Les choix stratégiques des bibliothèques de recherche, Groningue, du 5 au 9 juillet 2005* [en ligne]. Format PDF.

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The background of the slide is a photograph of a winding asphalt road that curves into the distance. A small car is visible on the road in the far distance. The scene is bathed in a warm, golden-orange light, suggesting either sunrise or sunset. The sky is a deep orange, and the surrounding landscape is dark and silhouetted.

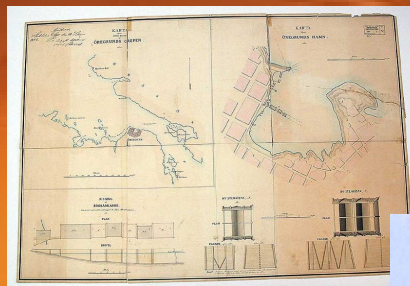
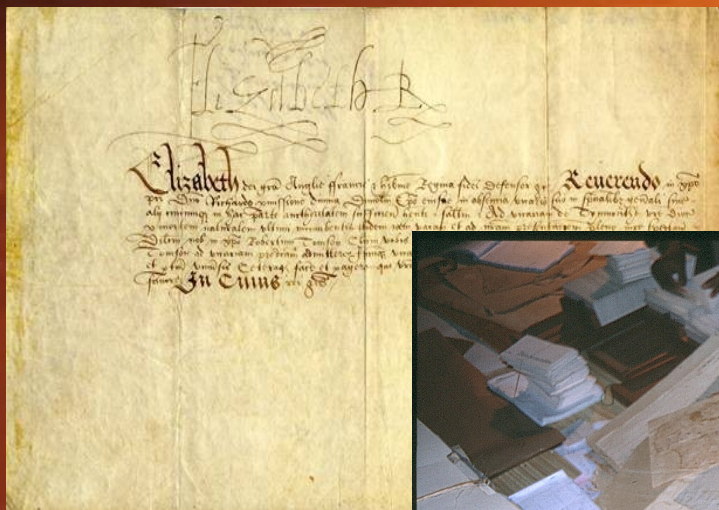
Where are we going?

Overview of major collaborative conservation
research projects and implications for the
future preservation of collections

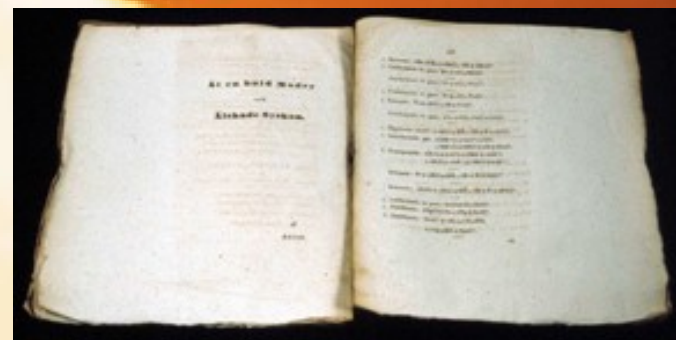
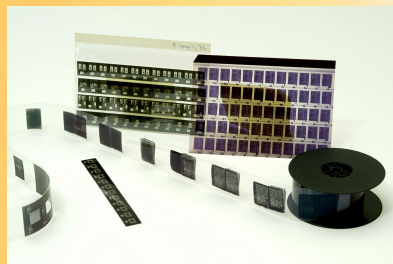
Annual General LIBER
Conference

Groningen

July, 2005

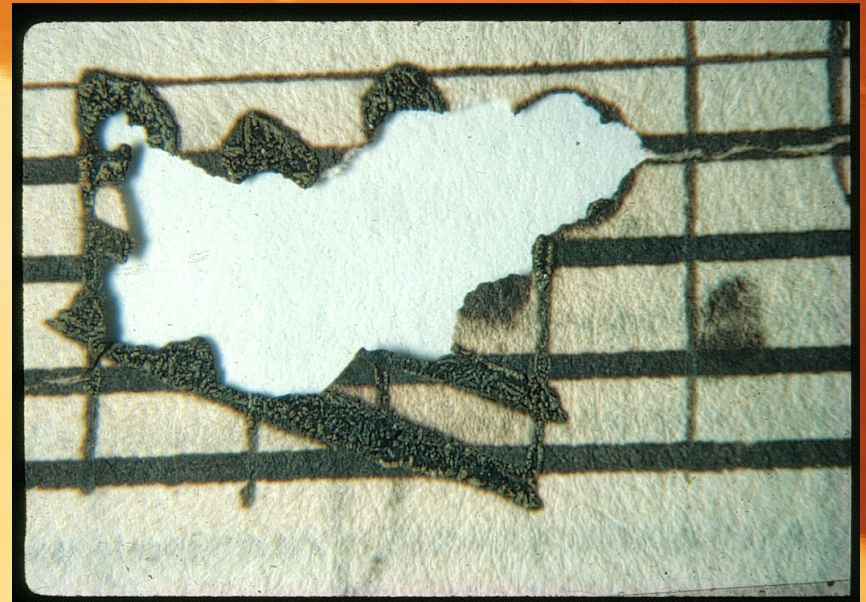


• Still deteriorating...



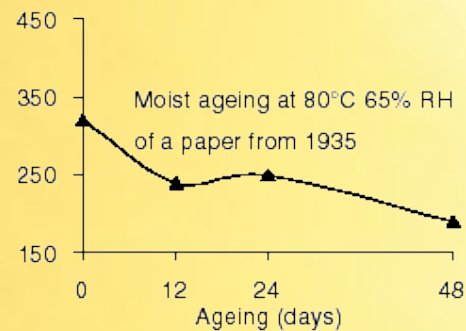
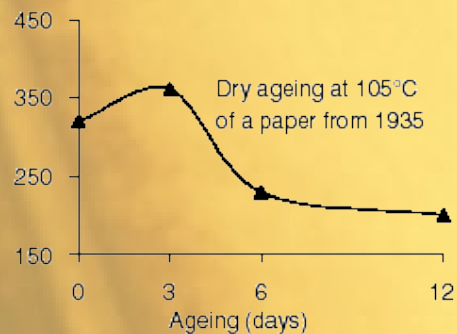
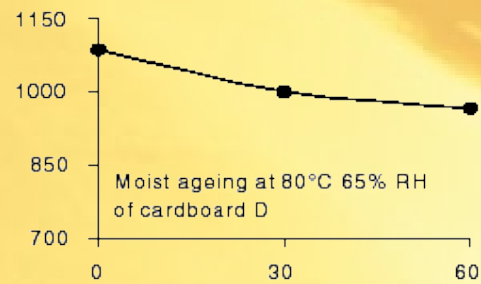
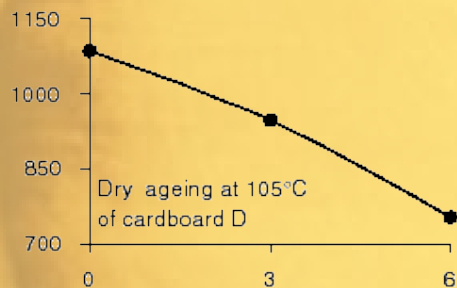
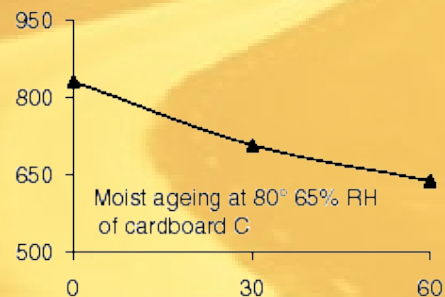
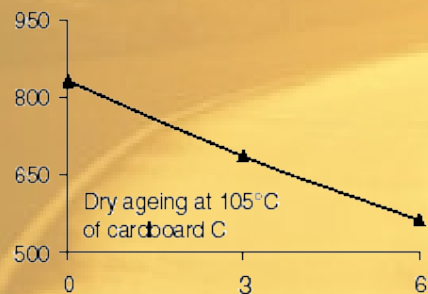
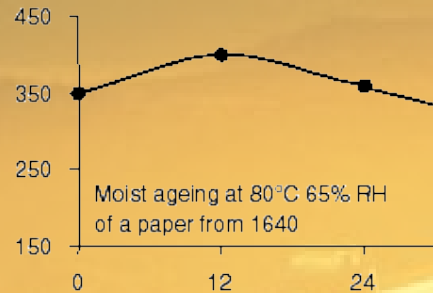
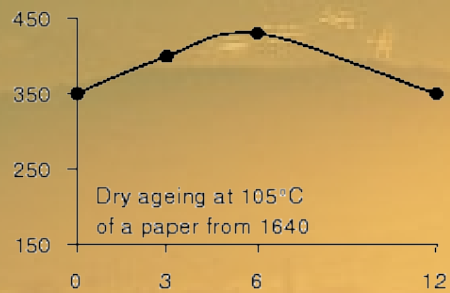


- Brittle paper
- Iron gall ink corrosion





- Deterioration of parchment



• Studies of ageing

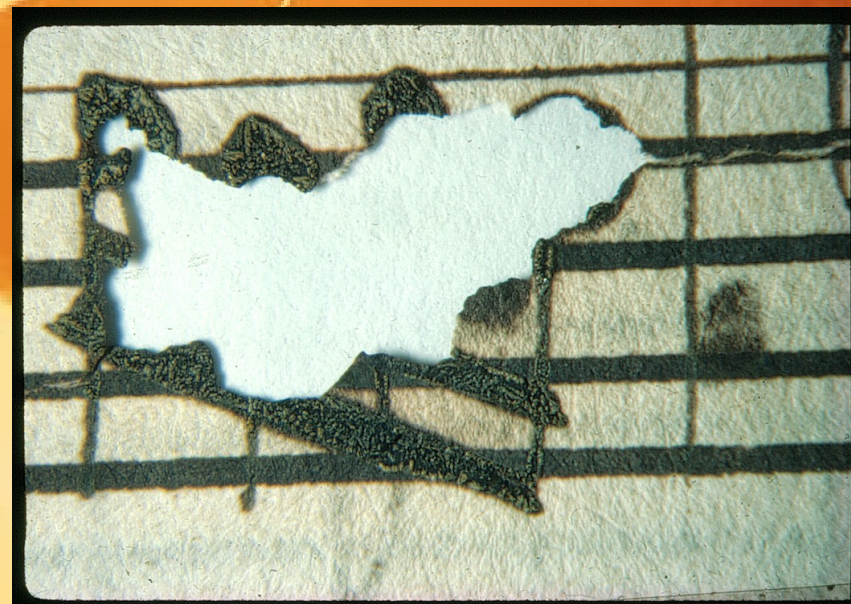


- Deteriorating magnetic tapes



- How to preserve digital image files?

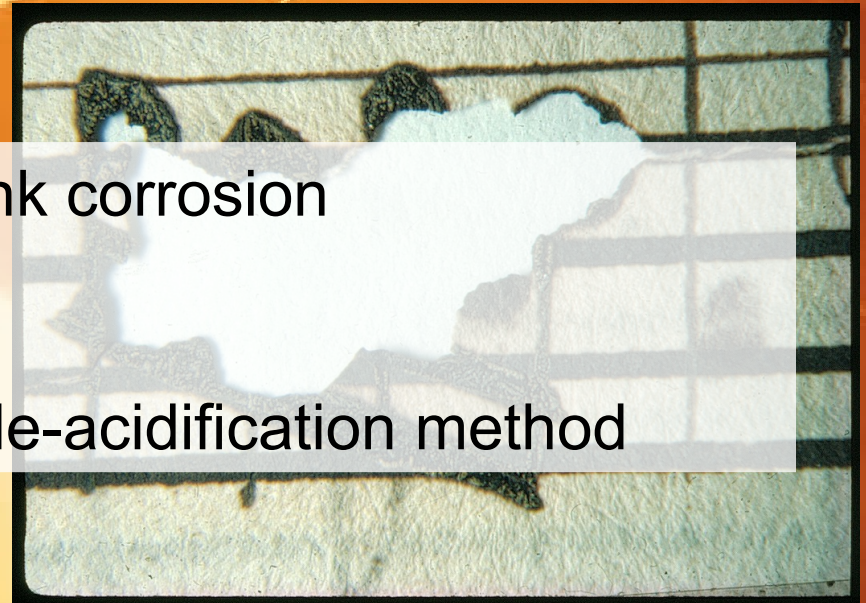




<http://www.infosrvr.nuk.uni-lj.si/jana/Inkcor/>



- Improved knowledge of ink corrosion
- Improved ID methods
- Improvements on mass de-acidification method

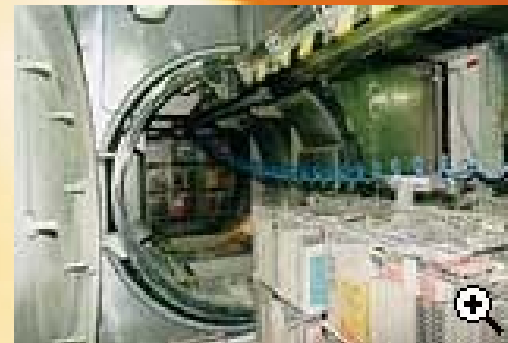
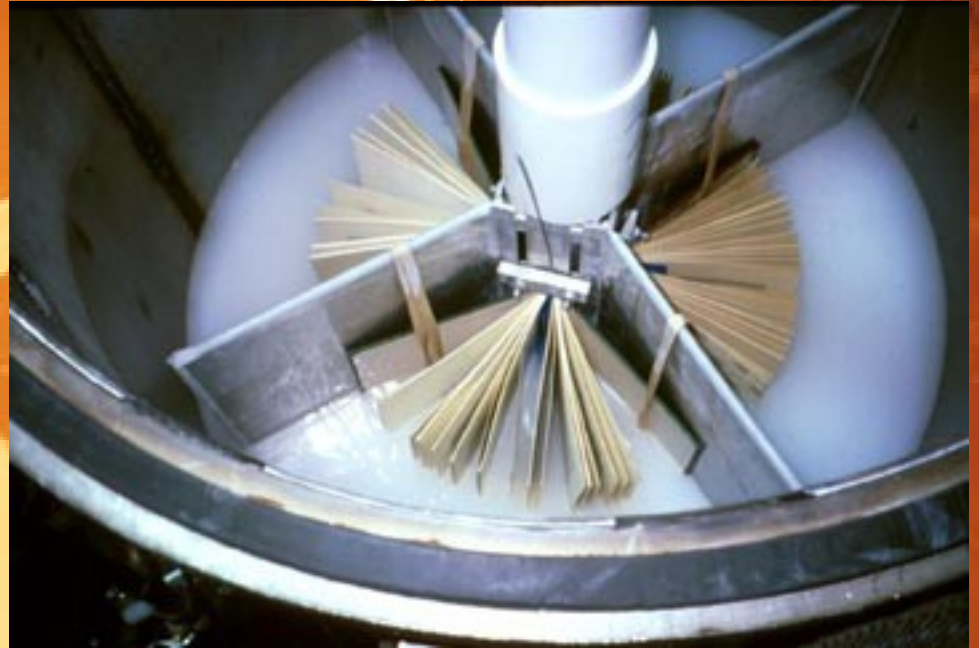


<http://www.infosrvr.nuk.uni-lj.si/jana/Inkcor/>

PaperTREAT



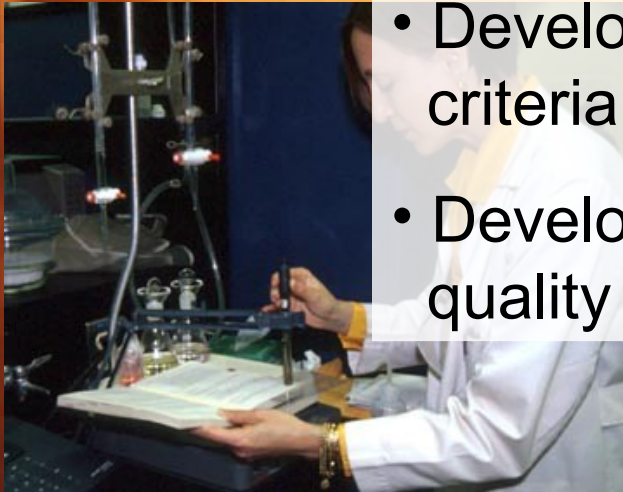
New EU-project



PaperTREAT



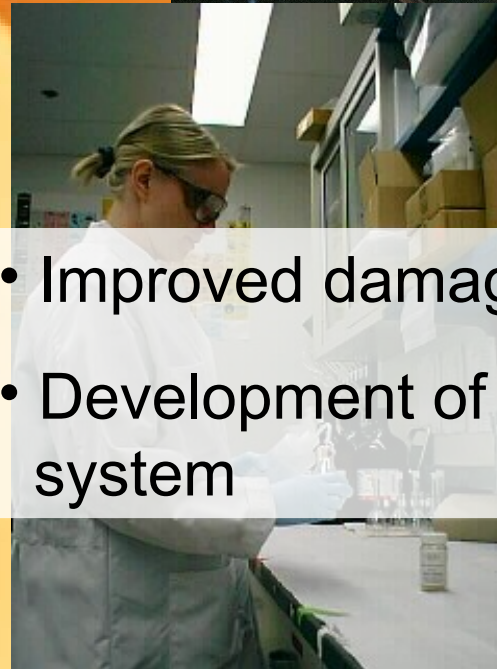
- Provide cost specifications for each treatment
- Development of standard model materials
- Development of evaluation criteria
- Development of standard quality control criteria



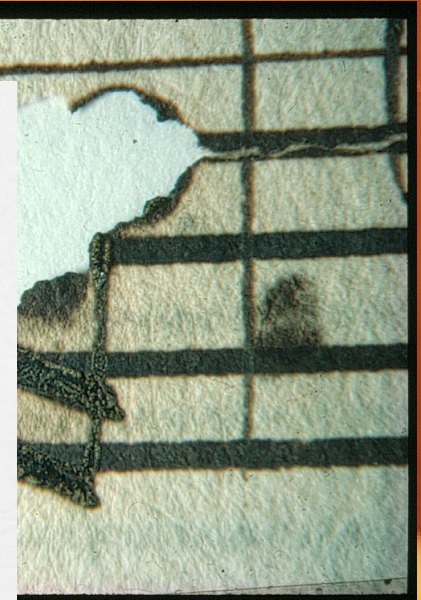
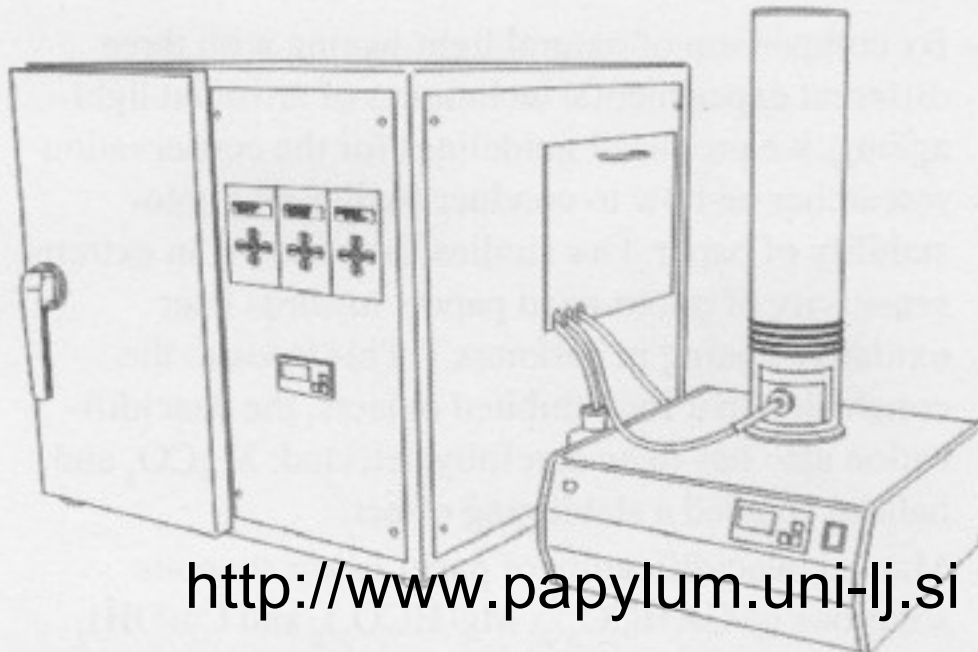




- Improved damage assessment
- Development of an early warning system

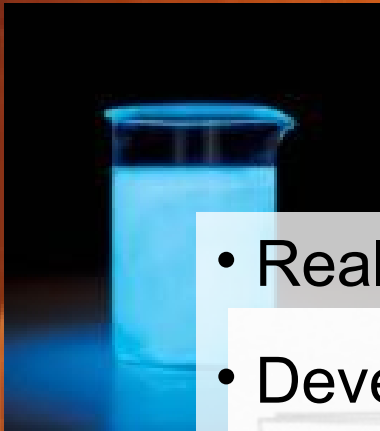


*Papyrus



<http://www.papyrus.uni-lj.si>

*Papyrus



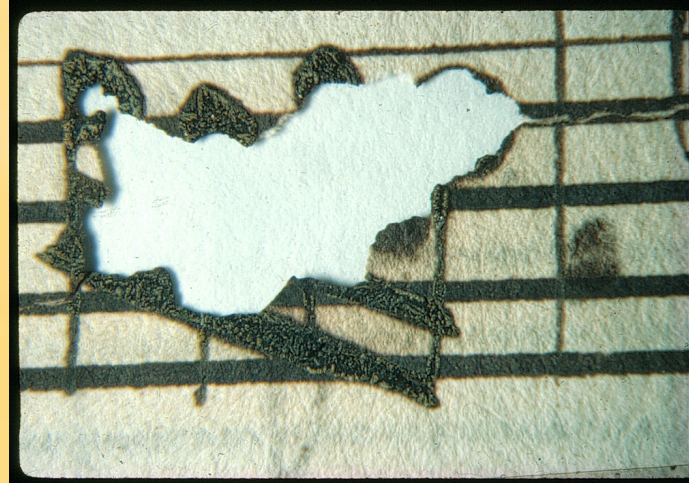
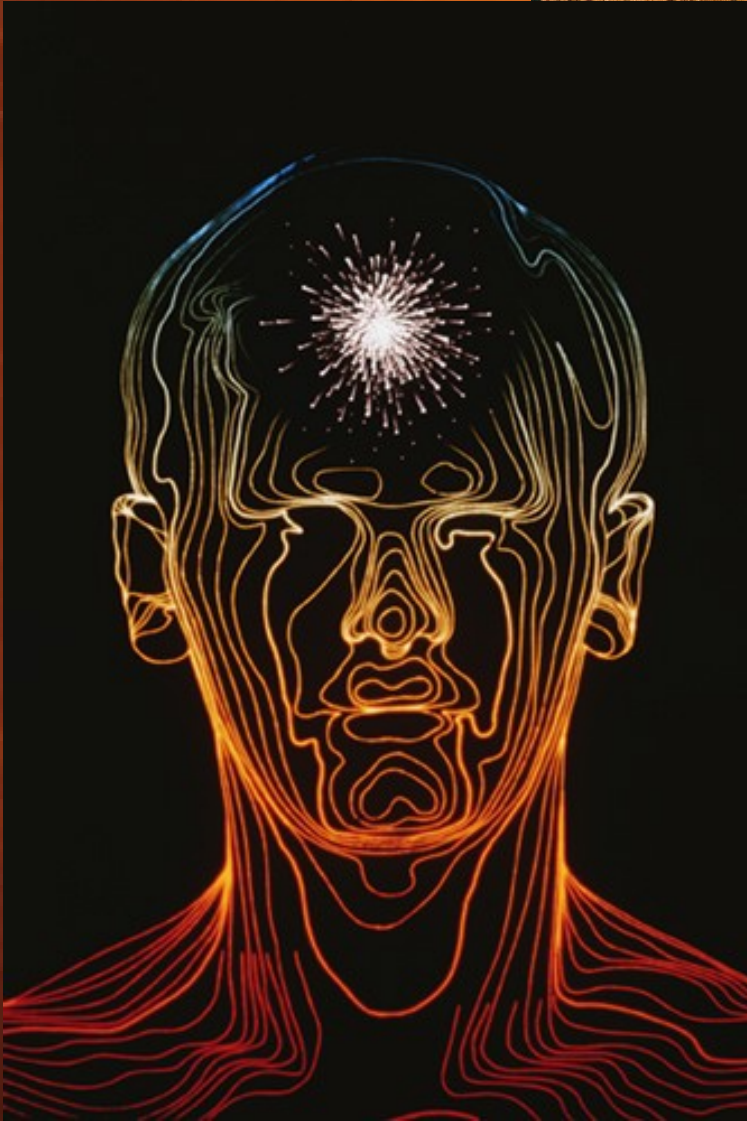
- Real life studies of deterioration
- Development of software to predict deterioration rate at room temperature



<http://www.papyrus.uni-lj.si>

SurveNIR

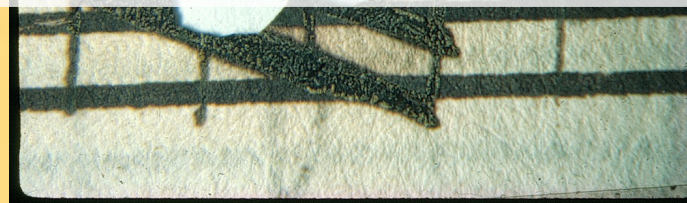
New EU-project



SurveNIR

New EU-project

- Determination of condition of a collection
- Identify major causes of deterioration
- Identify vulnerable areas of a collection
- Facilitate management and resources



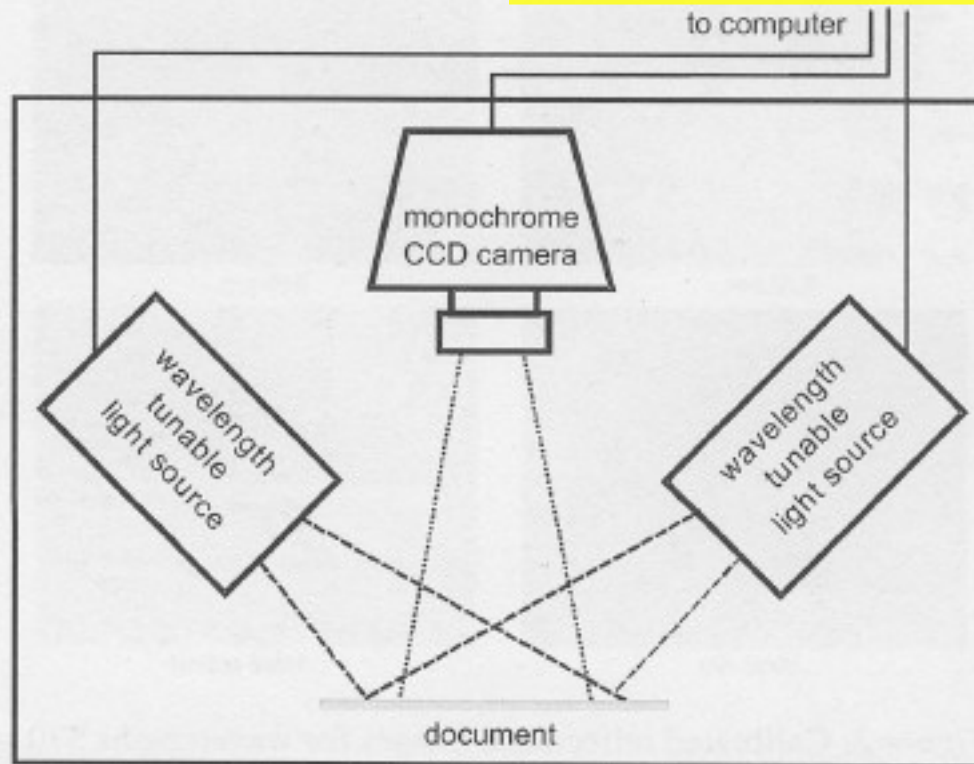


Figure 1: Schematic setup of a hyperspectral imaging system to be used for paper and writing durability studies.

HYPERSPECTRAL IMAGING

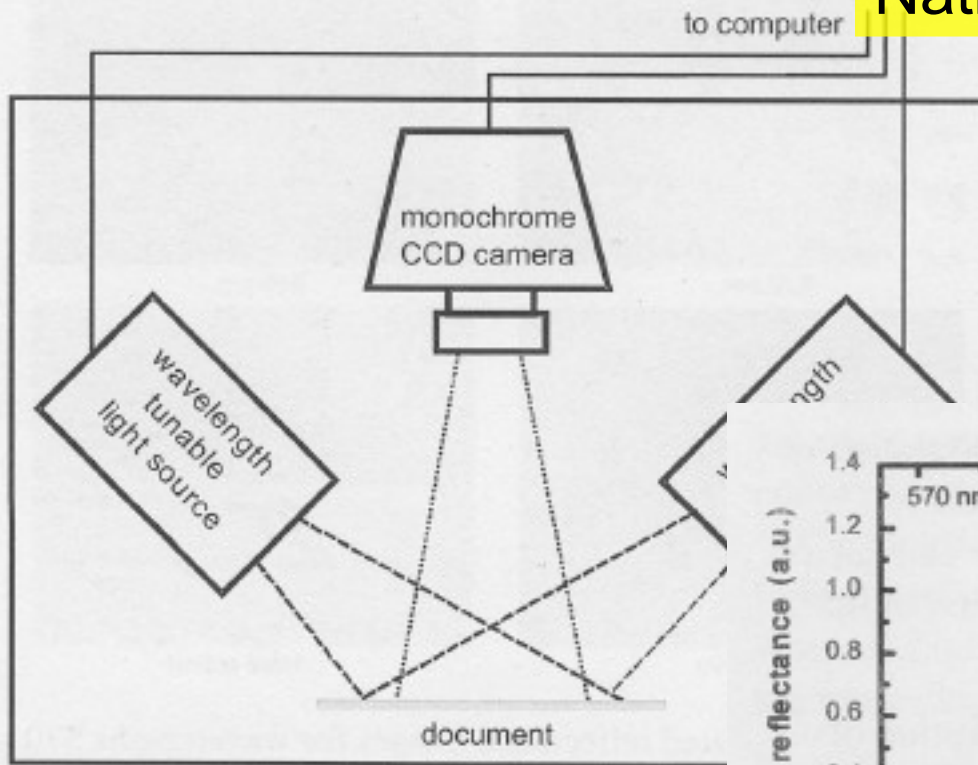
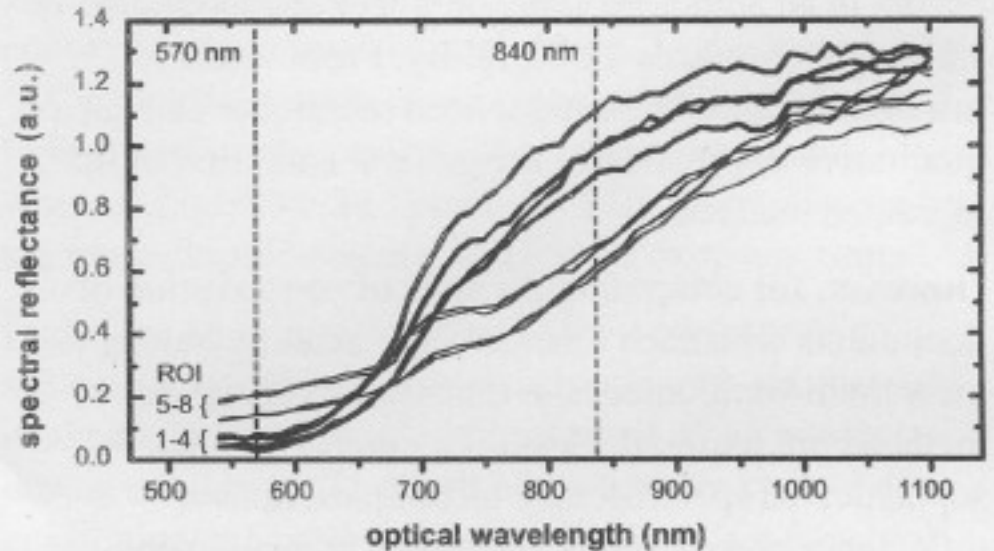
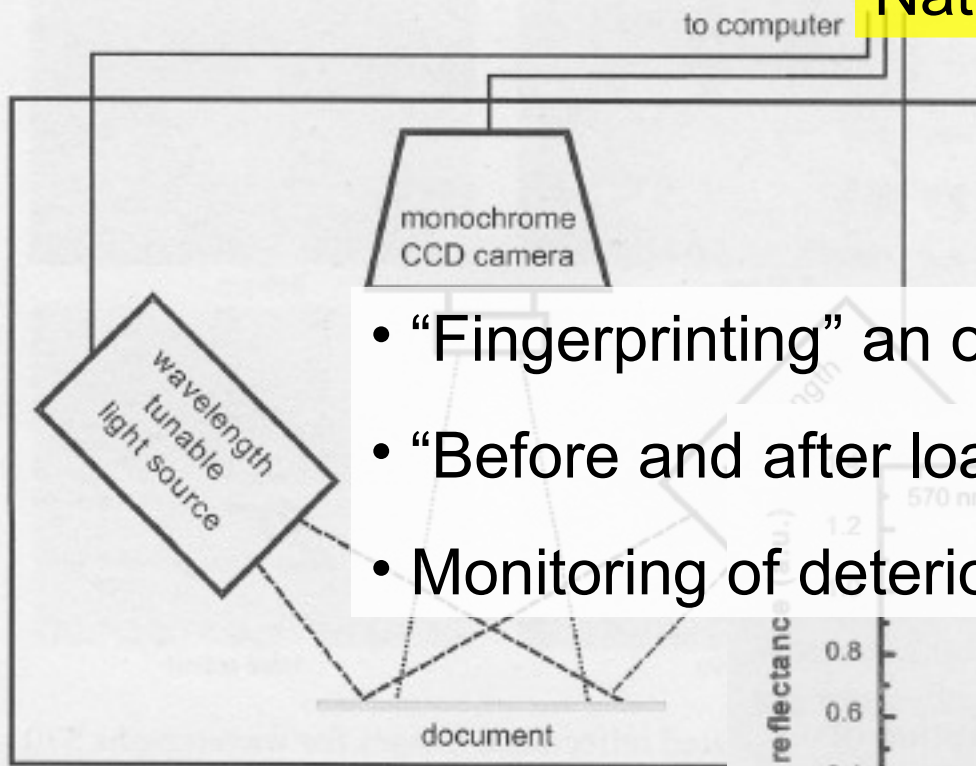


Figure 1: Schematic setup of a hyperspectral to be used for paper and writing durability stu

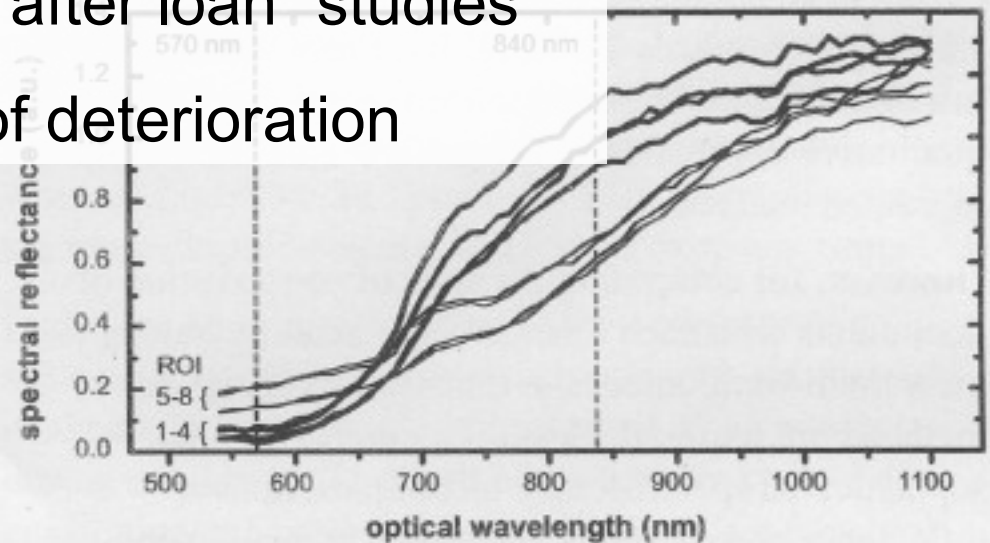


HYPERSPECTRAL IMAGING



- “Fingerprinting” an object
- “Before and after loan” studies
- Monitoring of deterioration

Figure 1: Schematic setup of a hyperspectral to be used for paper and writing durability stu



HYPERSPECTRAL IMAGING



**BRITISH
LIBRARY**

FUTURE LIFE OF COLLECTIONS

Report on a meeting on
Applied Conservation Research,
held at The British Library on
27–28 September 2004

**Supported by
The Andrew W. Mellon Foundation**

<http://www.bl.uk/>

- Life cycle prediction
- Effects of storage environment and selection of the optimum environment for different objects
- Non-destructive methods for assessing damage to materials

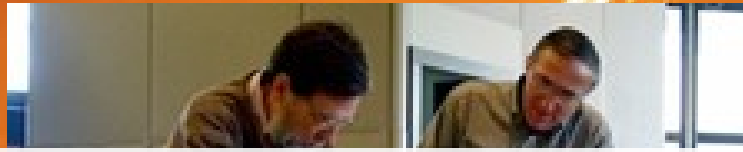
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Archiving conferences held in

- San Antonio, Texas, 2004

- Washington, DC, 2005

and will be held in

- Ottawa, Canada, 2006



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