The squares show the relative market distribution of three watermark types in Italian paper, 1470-1500, based on the Piccard repertory. Do these variations show cultural preferences? marketing choices? historical randomness? data bias?

Bernstein. The Memory of Papers

What we do...
1. Paper matters!
   a "memory bearer". Its date and location of production can be estimated by examining its origins. Tracing the movement and the economical, social and cultural environment of its origins. Paper provides a thread of captured events that are a basis for historical research and exploration of cultural heritage.

2. Fine paper needs finer tools:
   an increase in laid lines density reveals how Renaissance paper makers adapted to print technology.

3. Backlight: ink screens the structure.
4. Backlight-Frontlight-Subtraction: fairly good in some cases; cheap; simple software.
5. Radiography: best results; expensive; restricted use in libraries.

Historical Means

What we do...
1. Historical means:
   - Tutorials – on-demand, program on website
   - Paper studies exhibitions – intinerant, ask to participate!
   - 03-06.2007 – Vienna, Austria
   - 06-09.2007 – Rome, Italy
   - 02.2009 – Vienna, Austria

2. Backlight: ink screens the structure.
3. Backlight-Frontlight-Subtraction: fairly good in some cases; cheap; simple software.
4. Radiography: best results; expensive; restricted use in libraries.

Bernstein. The ambition of the Bernstein project is to create a digital environment for the expertise and history of paper. This project will interlink all existing European paper reproduction databases and make their content accessible for use to specialised image processing tools for the analysis of paper images. It will provide an interface to digital resources from domains related to paper studies, such as cartography and bibliography, which enrich and complement the database.

To ensure sustainability of growth and interest in paper studies beyond the lifetime of the project there is a strong dissemination plan. This plan includes the provision for ready to deploy paper expertise software and exhibitions.

What we benefit...
- Paper studies
- Cartography
- Bibliography
- Exhibition
- Tutorial
- Databases
- Dating
- Authentication
- Measuremenst
- Production
- Printing era
- Finer paper needs finer tools:
- Increase in laid lines density

Bernstein. Paper captures sparks from far ago

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