termarks Collection Phe memory of papers Piccard-Online www.piccard-online.de www.bernstein.oeaw.ac.at

Facts and figures

92.000 watermarks in

38 groups

collected in

9 European countries

from manuscripts in

120 archives and libraries

covering the

13th-19th centuries

Gerhard Piccard, initially a painter, developed an artistic interest in the

infrastructure for the expertise and history of paper. The purpose The individual resources are databases of watermarks and other related features, image measurement software, contextual resources for cartography and bibliography and an integrated workspace.

The Bernstein project aims to generate the conceptual and technical

"Bernstein" is German for "amber". Amber is famous for preserving insects from long ago. We can see these ancient insects The name by holding the amber against a light source, a movement similar to that of the historian who looks for traces of the past revealed to him in the structural features of papers.

The collection and its creator

marks. His private passion became a profession and he dedicated over 40 years of his

shapes of water-

life travelling and tracing watermarks, which he eventually published in 25 volumes. In 1951 he donated his collection to the State Archives of Baden-Württemberg which today is home to the world's largest online accessible collection of watermarks.

Watermarks are an important source for dating manuscripts. Given The purpose of watermarks the presence of two identical watermarks, onederiving from a dated, one from an undated document, deed or

painting, it can be assumed that both were written on at the same time. Piccard proved that the dating can be determined with an exactitude of more or less 5 years.



Datei Bearbeiten Ansicht Favoriten Extras ?		
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Adresse 🚳 http://www.piccard-online.de/		
⊡ Sechsberg	Wasserzeichensammlung Piccard - Strukturansicht	
🗈 Hand/Handschuh	Mensch	
🗅 Schiff	Kopf	
🖻 Mensch	Narr Lange Zipfel an der Kappe, darunter Buchstabe oder Marke	
🖻 Kopf		
🗀 Einfach, ohne Beizeichen		
🗅 Mit Kopfbedeckung		
🗀 Mit Krone, im Kreis	apper a	
🗅 Mit Heiligenschein	Top.	
🗅 Mit Mitra, im Kreis	۰ ۹	
🗅 Mit Flügeln		
🗈 Mohr mit Stirnband (ein Schlaufenende)		
主 Mohr mit Stirnband (Schlaufenende geteilt)	Neuenburg, 1633	
主 Mohr mit Stirnband (zwei Schlaufenenden)	Nr.: 21160	
主 Mohr mit Stirnband und Kreis	Herkunft: GLA, Breisgau, Generalia - fasc. 1079	
主 Mohr mit einzelnen Haaren	690	
D Mohr im Kreis	S V Z L	

The consortium brings together all major European actors in the field of digital historical paper expertise who come from The consortium both the humanities and computer sciences.

> Dutch University Institute for Art History Florence, Italy NIKI (International Database of Watermarks and Paper used for Prints and Drawings)

Austrian Academy of Sciences, Austria (coordinator) WZMA (Watermarks of the Middle Ages)

State Archives of Baden-Württemberg, Germany **Piccard-Online**

National Library of the Netherlands, Netherlands WILC (Watermarks in Incunabula printed in the Low Countries)

Institute for Information Systems and Computer Media, Austria internet services, knowledge management systems

Liverpool University, United Kingdom

Cheshire3 database integration system, cross-domain resource discovery tools

German National Library, Germany international bibliography of paper history

picture 1: scanned file card

picture 2: Piccard-Online

Piccard copied each tracing of a watermark to a standard size file card.

The digitisation project

These cards were scanned and the corresponding data was

entered into a database (date of the manuscript, place of issue, issuer, possessing institution). The watermark images are presented in a tree structure and can be searched by visual or full-text search.

Duration and funding

finished in September 2006, funded by the German Research Foundation (DFG)

Laboratory for Occidental Medieval Studies in Paris, France quantitative history of paper

Delft University of Technology, Netherlands image processing tools

Main users will be historians and cultural heritage conservators, although other areas where paper The user community identification capabilities are required are expected to benefit from the project, such as the art market, forensic science, security research and the papermaking industry.

Duration and funding

30 month (September 2006 – February 2009), funded by the eContentplus programme



Deutsche









