

Minutes of the Bernstein General Meeting, Stuttgart, July 1st-2nd, 2008

Participants (in alphabetical order):

Vlad Atanasiu, Georg Dietz, Erwin Frauenknecht, Thomas Fricke, Alois Haidinger, Martin Haltrich, Sandra Hodeček, Brit Hopmann, Victor Karnaukhov, Peter Krasser, Helmut Leitner, Gerald Maier, Héctor Moreu Otal, Ezio Ornato, Carmen Partes, André Perchthaler, Martha Populin, Behnaz Pourebrahimi, Peter Rückert, Rob Sanderson, Walter Schinnerl, Frieder Schmidt, Maria Stieglecker, Marieke van Delft, Jan C. A. van der Lubbe, Gerard van Thienen, Emanuel Wenger.

Guests:

Bob Allison (Bates College), Martin Kluge (Basler Papiermühle), Sven Limbeck (Herzog August Bibliothek Wolfenbüttel), Viviana Nicoletti (Istituto centrale per il restauro e la conservazione del patrimonio archivistico e librario, Rome), Herrad Spilling (Handschriftenabteilung der Württembergischen Landesbibliothek), Μαρίνος Βλέσσας (Marinos Vlessas, Greece), Tilo Wütherich (Landesarchiv Baden-Württemberg).

Tuesday, July 1st, 2008

Opening and greetings: Rückert, Wenger
Welcome and introductory words.

Morning chairman: Wenger

Wenger: [For details see ppt-presentation on TWiki](#)
Introduction of guests
Introduction of new “Bernstein Consortium” members:
- Brit Hopmann (KB)
- Peter Krasser (TUG)
- Héctor Moreu Otal (DUT)
- André Perchthaler (TUG)
- Behnaz Pourebrahimi (DUT)

Aims of the Bernstein GM 2008.

Timetable of July 1st, 2008 and July 2nd, 2008.

To all: Please give copy of your ppt-presentations to *Hodeček*.

Rückert: Dinner at Murrhardter Hof; meeting points: 19.30 in front of LABW for those who participate in guided tour, for others: 20.00 at Murrhardter Hof.

Wenger: Everybody agrees with agenda, no objections => agenda accepted.

Presentations

10:15 WP1 – Presentation of work (Leitner)

[For details: see ppt-presentation on TWiki](#)

Presentation of results of WP1, thanks to everybody working on this task, have reached good results.

July 2007: Deliverable no. 11, D1-2, workspace presentation v.1.

Mock-ups of user interface.

Implementation of SRU-Gateways (for connection to single databases of Bernstein-partners).

Bernstein Portal.

Discussions with database providers (some problems with technical staff of KB have to be solved for implementation of WILC).

Article: “Bernstein-Technik” for 2nd edition of German catalogue.

Component model prototype.

Meetings participation (Vienna, Nov. 21st-22nd, 2007, Leipzig, May 15th, 2008)

WP1 Next steps.

Referring to: Integration of final design: *Atanasiu*: Final design available now.

Referring to: Realizing the multilingual user interface: *Wenger*: Translation in 6 languages.

- Open issues: *Leitner*: TUG really wants to do these tasks, but there are only some month left for implementation

Referring to: Browse Motif: *Leitner*: For implementation agreed hierarchy of motifs necessary, but till now not really agreed hierarchy on motifs.

Referring to: Integration of image processing tools: *Leitner*: Not sure what is current status of these image processing tools.

- Issues for BernsteinPlus?

Referring to BernsteinPlus: Not possible for Bernstein to integrate multilingual component model now.

10:35 Workspace presentation (Krasser, Perchthaler), discussion

For details: see ppt-presentation on TWiki and

Bernstein Portal: <http://bernstein.iicm.tugraz.at:8080/BernsteinPortal/start.disp>

Team: Integrated workspace: Krasser, Perchthaler; Gateway: Selvedin Čataković.

Specification and goals; technology; SRU – Search Retrieve over URL; SRU – Syntax; address of the gateway; gateway; workspace workflow; configuration;

Search functions: Simple Search
 Advanced Search
 Component Search (not integrated in Workspace yet)
 Browse motif (not integrated yet)

Left hand side: Information fields: Databases, Hits, Total, List, Statistics, Map
 (not implemented yet).

Top of the page: Sort results by: Height, Date, Ref. Number, Motif, Place,
 Database; then sort by: Height, Date, Ref. Number, Motif, Place,
 Database.
 Find: Exact, Character String.

Right hand side: Limitation of hits: 50, 100, 200, 500, 1000, all.
 Hits per page: 10, 20, 50, 100
 You searched for: Short search history

Example SIMPLE SEARCH: Search for “anchor”, also search for additional word e.g. “anchor letter” possible, Results: thumbnails button => “Show thumbnails”, export results (not implemented yet), bookmarks (not implemented yet); limitation of hits possible.

Example ADVANDED SERACH: You can combine two tabs together (“Simple Search” / “Advanced Search”), search for e.g. date (date or range of date, e.g. 1530-1540) additionally possible => result list.

Short demonstration of Bernstein portal.

Future work: integration of bookmark function and sort function.

Questions and discussion:

Van Thienen: Should show distance of chain lines in result list instead of height?

Krasser/Perchthaler: Programmed as discussed in meeting (Vienna, Nov. 21st-22nd, 2007).

Schmidt: Great what you have done, completely new view on world of watermarks. But not able to realise on first step whether I do “Simple Search” or “Advanced Search”. Colour change would be helpful. And: place/place of use!

Krasser/Perchthaler: Can be changed in German version, suggestions for translation of “place/place of use” are welcome.

Wenger: Can also user change termini?

Krasser/Perchthaler: No, only we can change this.

Karnaukhov: “Anchor” in English only searched or also German language “Anker” searched?

Van Delft: Do we have to define language in advance? How is index generated?

Wenger: Language for future, in future no definition of languages necessary.

Krasser/Perchthaler: Index is generated by all databases. Index in WZMA is only in German, so database has to be translated, now we have to mix languages (English, German).

Rückert: Problem can be solved, we have to prepare databases in two languages (English, German), some technical problems, because not all results are shown in a search.

Allison: Is there any limit to the number of fields that can be included in the list of searchable fields for database specific search?

Krasser/Perchthaler: The number of fields is unlimited for general search, which can be found in all databases, if you e.g. add “width” in general search you will get no answer from WZMA, because they don’t have search filed “width”.

Van Delft: What about showing in results-field the reference number in “pop-up”?

Krasser/Perchthaler: Reference number is given on the left hand side.

Dietz: How can user go to a specific watermark?

Krasser/Perchthaler: Reference number goes directly to database and to your watermark e.g. WZMA, search field: “Ref. Number”, enter reference number, you can go directly to a specific watermark, also with Piccard-Online, you can copy the reference number, enter it into search field “Ref. Number” and then you get the information.

Rückert: Presentation of pdf-files of watermarks only possible in Piccard-Online? If I want to print a 1:1 picture of the watermark, can I get this from Bernstein database or only from Piccard-Online?

Krasser/Perchthaler: Only from Piccard-Online.

Allison: How are you treating new databases if there are added new ones to workspace?

Krasser/Perchthaler: You can see them on the left hand side of the Bernstein portal.

Leitner: If more than 30 databases, we can think about hierarchy or something similar.

Coffee break

11:50 WP2 – Presentation of work (Rückert, Partes)

[For details: see ppt-presentation on TWiki](#)

Bernstein staff in Stuttgart

WP2

T2.1a: Textual watermark standard: Comparison of WILC and Piccard-Online

T2.2: Multi-lingual access: Final version of the Thesaurus (TWiki: [English](#), [French](#), [German](#)); based on the terminology used in all three relevant databases. 750 entries now new in Thesaurus, user can change arrangement of languages.

Comparison with Briquet, first level additions to Thesaurus, e.g. amphora – Amphore – amphore. Problematic question to discuss: systematic for Bernstein, hierarchy of motifs. Standard now: we compared our motif groups on a first and second level. We got new classification (in German language), e.g. “Figuren”, “anthropomorphe” with sub-categories; 12 main groups, the same in WZMA and Piccard-Online; can be put together. Have to discuss how we should go further, new levels?

Partes:

Presentation of work: Repertories Concordances: [For details: see ppt-presentation on TWiki](#)
Demands; Aim; Cooperation partners: KSBM, DUT and LABW; Meetings in Stuttgart; Assumption for Mapping; Approach; Difficulties; Results.

Questions and discussion:

Partes: Concerning MATLAB: Please ask *Moreu Otal* and *van der Lubbe*.

Schmidt: How do you solve problem that Piccard vol.s 1-2 don't contain reproductions of watermarks but typological images as a repertory, change of idea in “Findbüchern” after first two volumes.

Partes: Problem not solved yet, because vol. 1-2 are not digitized yet, just starting at vol. 3.

Van Thienen: What about duplicates?

Partes: Same place and source => identically watermark.

Wenger: Can work be finished within Bernstein?

Rückert: There will be two applications: Piccard-Online and printed Piccard, then mapping, then applications will be put together, this is the idea for the moment.

Leitner: Will printed Piccard application be integrated into Bernstein portal?

Rückert: Yes.

Partes: Printed Piccard is similar to digitized book, not a database, but an application.

Karnaukhov: Are ref. numbers of printed Piccard and Piccard-Online identical?

Partes: Ref.-numbers are not identical, some differences. How to solve this? => Not clear yet.

Rückert: Piccard-Online correct numbers online. When printed Piccard digitized => gets number, then interlinking has to be done. For the moment this is a problem, but we will solve this, after mapping is finished. This is work for a new Bernstein project; Structure motif: motif not arranged alphabetically, because we made it first by hand in German, in future we will make this in alphabetical order in English.

Limbeck: Will there be a concordance between new and old ref. numbers in Piccard-Online and printed Piccard?

Rückert: Important question, books used by specialists; we have to make such a concordance, old ref. number will stay. Mapping and this concordance are of great importance.

12:15 WP3 – Presentation of work (Van der Lubbe)

[For details: see ppt-presentation on TWiki](#)

The DUT-Bernstein Team; DUT Image Processing Tasks; Sieve feature measurements in binary images; Identical watermarks identification; Sieve feature segmentation and measurements in grayscale images; Watermark imaging by backlight subtraction; Publications; Future work.

Questions and discussion:

Wenger: How can the Bernstein user have access to your tools? How can integration of measurements be integrated in workspace?

Van der Lubbe: Only experts are interested in whole tool, but some details might be of interest for user, e.g. similarity measurement, so some features are of interest.

Wenger: Fifth type of search?

Van der Lubbe: We can discuss this afterwards.

12:40 WP4 – Presentation of work (Ornato/Populin, Schmidt, Schinnerl)

Ornato: [For details: see ppt-presentation on TWiki](#)

Bibliography (Schmidt):

Short information about steps done after Fabriano:

In cooperation with *Thomas Berger* in Bonn: Complete reengineering of the bibliography databases, flat structure. Has been normalized, now with relational structure and master records allowing multilingual subject headings.

XML-export.

Cheshire3 application in Liverpool.

Two meetings: Nov. 21st, Vienna; Mai 15th, Leipzig;

Clare Llewellyn left project.

Problems with server, so today is an experiment, presentation in the afternoon.

Questions and discussion:

Van Delft: Which kind of presentation used? Why CERL not integrated? This already exists.

Ornato: Aim of this is not the same.

Van Delft: CERL has list of place-names of Europe incl. all synonyms and identifications.

Ornato: But it has a different aim.

Presentation: “T4.2 Numerical & graphical statistics” (Schinnerl)

[For details: see ppt-presentation on TWiki](#)

Meeting in Graz, Feb. 5th, 2008

Specifications for statistical functionality

Discussions and investigations

Deliverable no. 15, D4.4, Statistical functionalities

Implementation of 1st prototype

Next steps

Discussion: July 2nd, 2008 after presentation.

WP5-7 – Presentation of work (Wenger)

=> Postponed to July 2nd, 2008

13.00-14.30 Lunch / Break

Afternoon chairman: Wenger

14:35 Component model, evaluation report (Hopmann, Stieglecker)

[For details: see ppt-presentation on TWiki](#) and [ResultDataEntry on TWiki](#)

Stieglecker: We picked out “bull’s head with star” for our work and presentation; we tried to modify component model a little bit; problems: e.g. *van Thienen* took images from sieve side, we have taken it from other side; where does motive touch – left or right side? We suggest removing of some features; users prefer easy model to quickly go through it.

Questions and discussion:

Van Thienen: The model is good for new cataloguing, but the components should be reduced.

Rückert: The collection cannot be re-described, but we need one instrument for new selection which has no systematic. We need a clear and easy way!

Schmidt: Recommends on Theo Gerardy 1967: different shapes are always the same wire so Gerardy suggested looking for constant elements.

Van Thienen: Gerardy did good work, but the measuring of 67000 watermarks is not possible. 5 Bernstein-experts could not agree, why should the others do? The watermark moves on the sieve so do it the easy way and get good results.

Wenger: We cannot use it for our databases. We will not continue the component model on Bernstein, perhaps on future projects.

Rückert: We should create a task for new databases so perhaps we should create a hierarchy to help finding the right group.

Wenger: Decision about the component model (if we should keep it in the workspace or not) will be taken tomorrow.

15:10 Terminology (wm standards, time specification) (Frauenknecht)

[For details: see ppt-presentation on TWiki](#)

Watermark description standard (Piccard-Online: Internal problems; WILC – Piccard-Online; Thesaurus – Component model; Thesaurus – Briquet)

Deliverable no. 18, D2.3, Textual watermark description standard (due August 2008)

Rückert: Discussions internal in small working groups before guided tours.

15:20 Bibliography (Sanderson, Schmidt)

Presentation of Bernstein bibliographic database: Translations and drop-down-lists coming soon.

Sanderson: <http://dnb.cheshire3.org/>

15:40 GIS (Atanasiu)

For details: <http://www.bernstein.oeaw.ac.at/twiki/bin/view/Main/PaperCartography>
<http://bernstein.viskom.oeaw.ac.at/BAPH/default.aspx>

Place where books were printed, places where paper was used, e.g. “Bernstein Atlas for paper history”; there are three different ways to use the geo-reference data:

For Bernstein visualisation,

for sharing (Google maps), and

for local generation of new geo-references (with MATLAB).

16:00 Workspace – design (Atanasiu)

No presentation of “expertise”, as announced; expertise: next month.

For details: see web design proposal in [TWiki](#) and other [proposals](#).

Questions and discussion:

Karnaikhov: Unnatural that the website subtitles (subordinate menu items) are disposed above the titles (parent menu items), must be changed.

Partes: What has happened to the design we agreed on in Vienna (Nov. 21st-22nd, 2007)?

Atanasiu: We didn’t agree on a design yet.

18:00 Sekt-Apéro in Hauptstaatsarchiv Stuttgart.

Guests: Nicole Bickhoff, Head of Hauptstaatsarchiv Stuttgart

Robert Kretzschmar, President of Landesarchiv Baden-Württemberg

19:00 Guided tour through Piccard-collection of LABW by Peter Rückert.

Wednesday, July 2nd, 2008

Morning chair: Wenger

Wenger: Timetable of July 2nd, 2008: [For details: see ppt-presentation on TWiki](#)

09:15 Statistics (Schinnerl)

For details: New Bernstein portal online (1st prototype of statistic functionalities):

<http://bernstein.iicm.tugraz.at:8080/BernsteinPortal/start.disp>

Bernstein portal, contains four databases.

First example ([screen print on TWiki](#)): Search in POL, search for 1330 (date) “search”, 44 hits => New: statistics => “Show results”: Result list, now new: “Statistics”.

Search for six parameters possible: 1. Motif, 2. Place, 3. Depository, 4. Date, 5. Height, 6. Distance of chain lines; “Summary statistics”: for each parameter you can get single statistics, e.g. combination of motif + place, motif + depository. Select “motif”, “show statistics”: statistics show how often motif is appearing in result set you got. Possible to show statistics of all the parameters listed above, the moment you click on “show statistics”, but first of all you have to select one parameter.

Red line (screen print: link above): interquartile mean (e.g. for parameter distance of chain lines); combination “Motif”+“Place”: bubble chart, not implemented yet. “Motif”+“Height”: min-max-chart (x-axis: Motifs [+ occurrence], y-axis: Height); “Motif”+“Distance of chainlines”: min-max-diagram (blue line: interquartile mean for each of the motifs, number of occurrences); “Place”+ “Depository”: bubble chart, not implemented yet; “Place”+“Date”: min-max-chart (Places of use (x-axis), Height (y-axis)); “Place”+“Distance of chain lines”: min-max chart.

Second example: search “All Databases”, select “Advanced Search”, search for “bird crown” and also German search term (“Vogel Krone”), later, if it is implemented, search in two languages is not necessary anymore; Results: 107 different motifs.

Date – detail statistics: 2 different charts, one for exact dates, second for date ranges (i.e. not sure which exact date watermark has); 1st: single dates: 1421-1780 (incl. interquartile mean); 2nd: date ranges: 1411-1428 (incl. interquartile mean).

“Motif”+“Date”: min-max-chart; “Date”+ “Place of use”: min-max-chart (all places of use visible, number of occurrence of places, e.g. Augsburg 5 times, incl. interquartile of this place of use); “Date”+ “Depository”: min-max-chart; “Date”+“Height: min-max-chart (x-axis: Date, y-axis: Height), incl. interquartile mean; “Date”+“Distance of chainlines”: min-max-chart (x-axis: Date, y-axis: Distance of chain lines)

“Motif”+ “Place”, “Motif”+“Depository”, will be implemented in next month. URL will be sent via Bernstein-List for testing.

Questions and discussion:

Dietz: Zooming-in in exact date possible?

Schinnerl: JFreeChart doesn't support this.

Dietz: Feature to print out or export these diagrams?

Schinnerl: Diagrams are generated as image, can be stored in traditional way.

Dietz: pdf-maker? Date added?

Schinnerl: Not planned to do yet, but can be done, if desired.

Dietz: Diagrams important for dissemination, copyright would be necessary.

Schinnerl: Should be done and can be done.

Sanderson: What about bar charts?

Schinnerl: We have chosen pie chart, there is possible to see even small values. Wish of project members, that whole number of types in selection should be presented, information useful? Not sure about this, but this was the wish.

09:40 Dissemination kit (Karnaukhov)

[For details: see ppt-presentation on TWiki](#)

Preliminary title: "Paper Study Dissemination Kit" (DK); Bernstein workspace and DK; DK deployment; DK deployment requirements; DK data contents; DK watermark database; DK Watermark images; DK software package; Flowchart of the paper study system; Watermark classification package; Bernstein standard for watermark classification; DK multilingual functionality; Multilingual functionality of PSS; Dissemination KIT documentation; Paper study system services; Digital processing of watermark images; Watermark classification and identification; Printing service of the PSS; Watermark contour extraction; Locally-adaptive image processing.

Hard restriction: We must develop, deploy and/or restriction software under the proper licenses. Standard tool for installing our software and all files used in DK must be developed. Example images have to be selected (copyright?), we have to select them for showing user how it works. Database structure mainly based on WZMA and partly on WILC databases structures. The MySQL database management system will be used for the new Bernstein database.

Title: Watermark Study (PWS) system / paper study toolkit => we have to discuss. Guided installation (windows-standard, installation wizard); image-processing sometimes necessary; quality of WILC-images the best, they use beta-ratdographies. The current standard Bernstein hierarchical classification structure contains: 31 main motifs (1st level) and 544 sub-motifs. Change of structure /standard possible. Right now based mainly on WZMA, because till now no common standard between WZMA, Piccard-Online etc. Software interface will be multilingual. Printing service of the PWS will be developed.

Demonstration of programme: Changing of definition of watermarks possible; shifting of one level to another => definition changes automatically; possible to make alphabetical order for each language. No need to type, mistakes can be avoided.

Questions and discussion:

Kluge: Adding information of chain lines, date of use etc. possible?

Karnaukhov: Yes, of course, by using special forms. Measurements can be implemented very simple.

Kluge: Time of use?

Karnaukhov: PWS can manage the data contained in the DB.

Rückert: Actual format of WZMA?

Karnaukhov: Yes.

Karnaukhov: Special procedure implemented to check special measurements.

Schmidt: Countermark and mark printing in one page possible?

Stieglecker: Impossible to take countermark and watermarks in one page, because not used in Middle Ages.

Schmidt: But in Briquet they are. I really would like if there is a support for mark and countermark, also Dietz likes to have this.

Karnaukhov: Somebody must define and populate into the database in advance, what is watermark and countermark.

Dietz: We need only a field where we can link some records together.

Karnaikhov: in our system we have special table, some definition. As you know, in the WZMA DB three types of relations are defined, but nevertheless the original relations must be defined by user.

Wenger: Is it possible to provide a trial version to some of us? It must be tested, test of download, test of installation a.s.o.

Dietz: How does it work if the user uses database offline in his own collection, how are watermarks coming back to Bernstein portal, where is export function?

Karnaikhov: Trial version will be provided. As for offline use: User can install and use offline the local database on a local computer. Special tool for merging the data of such two databases will be developed. If not connected online, work offline and merge later.

Schmidt: Single user version or multiple users?

Karnaikhov: Number of current users will be restricted by the used DBMS server.

Wenger: shift questions to discussion.

10:20 Multilinguality (Wenger)

Thesaurus important (English, French, German); Italian version: work in progress, done by our Rome-group. Russian Thesaurus work in progress; Valencia group promised to make translation to Spanish terms => at least six languages available. Dutch Thesaurus desired?

Rückert: What information can we add to Del. no 18, D2.3 Textual watermark description standard)?

Wenger: First version of Russian and Italian thesaurus possible to deliver for this deliverable.

Rückert: User has now three languages for workspace.

Wenger: List of TUG with German terms will be sent, we will make translation into six languages, so workspace will be available also in six languages, also major part of dissemination kit will be done in six languages.

Rückert: Work done in Vienna?

Wenger: Some work is done in Vienna, the other is organised by Vienna.

10:25 Exhibition, catalogue (Rückert, Dietz, Wenger)

Rückert: Survey – exhibition:

- Museum im Schottenstift, Vienna, Austria, March 22nd-June 9th, 2007
- Paper and Watermark Museum, Fabriano, Italy, July 9th-August 24th, 2007
- Institute for the pathology of Books, Rome Italy, September 8th-October 10th, 2007

Preparation of new exhibitions:

- Sala del Tesoro della Trivulziana, Milano, Italy, Opening: Oct. 28th, 2008; visitors are welcome. Information: Rückert, [TWiki](#).
- No information about Florence and Torino.

Dietz: Exhibition in Dresden (Buchmuseum, Sächsische Landesbibliothek – Staats- und Universitätsbibliothek Dresden, February 2009) planned as a final meeting of the Bernstein project; in collaboration with University department for paper engineers. We want to light several parts of paper, Bernstein and watermark research on paper up to modern paper research. Some problems during preparation in last month: For whole project 20.000 € for exhibitions available (incl. travel costs, speakers), so we asked paper industry for financing, had some successful contacts, but May 1st, 2008 department of paper engineers cancelled, they need money for their students. We have to change program now: Less costs, but no estimation on it at the moment, we have to recalculate again, further information coming soon on TWiki page.

Wenger: Nevertheless, exhibition successful, we hope exhibition will continue after project, e.g. Stockholm (National archive, 2010); or Bergisch Gladbach (Papiergeschichtliche Sammlung im Kulturhaus Zanders); or Ljubljana, or Greece.

Van Delft: How will this be financed?

Wenger: By budget of ÖAW, no more “Bernstein-money”, can only make it in locations where we have to pay no rent.

Van Delft: What about translations of the exhibition in other languages?

Wenger: English will be prepared. New edition of the catalogue planned, second German version in preparation. Last deadline for submission of articles middle of July 2008, then catalogue will still be in time. Then we try to make an English translation, some of the articles are already available in English.

Rückert: Also internet version planned?

Wenger: Yes. Project exhibition will also go on after end of project, we only have to finance transport costs and insurances. Is there a possibility for the exhibition in KB (The Hague)?

Van Delft: Sure.

Wenger: But we cannot finance Dutch translation.

Van Delft: This is ok.

Coffee break

10:50-11.05 WP5-7 (Wenger)

[For details: see ppt-presentation on TWiki](#)

WP5: Assessment and evaluation: referring to progress monitoring: half-year progress report next: August 2008, will be sent by *Dietz*.

WP6: Accessibility, dissemination and sustainability

WP7: Project management: Second annual report (**due date Sept. 26, 2008**); activities and impact (**delivery date: Sept. 5, 2008**)

Second annual report: Activities and impact, financial statement

Budget

Financial statement (eligible costs, non-eligible costs) => more details: Bernstein Grant Agreement Annex II.13-16; **delivery date: Sept. 12th, 2008**: Excel sheets, signed with head of department.

Budget overview.

Money left will be transferred to institutions in March 2009. You can only get it if you have already spent it BEFORE. You have to proof that you have spent the full budget. It means, only those who can prefinance can get the last amount of money, will only be paid, if EC accepts final report.

Example time sheets

Next deliverables:

- 2008.07.30: no. 17, D1.3 workspace v.2 (TUG)
- 2008.08.30: no. 18, D2.3 Textual watermark description standard (LABW)
- 2008.08.30: no. 19, D2.4 Numerical paper description standards (NIKI)
- 2008.09.30: no. 20, D7.5 Half-year progress report (OEAW)
- 2008.09.30: no. 21, D7.6 Second annual report (OEAW)

Van Delft: Deliverable no. 19, D2.4 Numerical watermark description standards: Is this new?

Rückert: Has nothing to do with watermark classification.

Wenger: This deliverable already included in Description of work;

Sept./Oct. 2008: Peer review, Luxembourg (WP-leader, coordinator) possible; WP leaders and coordinators will be invited: possible: look through deliverables a.s.o. Just to check deliverables a.s.o.

BernsteinPlus (Content, new consortium, repertories). In Bernstein we could not generate new databases, because of this BernsteinPlus is quite important.

Europeana, EDL (European Digital Library): Entry point to Europe's digital content of libraries, museums, etc. Digitized books, films, paintings, newspapers, sounds and archives. Integration of Bernstein in Europeana (Bernstein searchable via Europeana): Europeana prototype will launch Nov. 2008.

Domains

11.15-12.00 Discussion

Domain name: Right now on ÖAW-website, proposals for names (all still available):

- www.memoryofpapers.eu
- www.thememoryofpapers.eu
- www.bernstein-paper.eu
- www.paper-bernstein.eu
- www.paper-expertise.eu
- www.paper-portal.eu

Wenger: Can we decide on domain name now?

Leitner: At least we should try to come to decision.

Schmidt: With minus added in first two examples domain-names more readable.

Karnaukhov: Link this domain name with and without minus.

DECISION:

First proposal chosen, also satisfy with link to link with hyphen, decision is taken. Majority agrees.

Workspace, Webdesign:

Wenger: workspace design: Three proposals by graphic designer will be presented, one proposal by Vlad: afterwards voting.

Component model:

Wenger: We cannot continue with component model, what can we do with component model in workspace? We don't want to remove it at all from workspace.

Leitner: Could add it to about-section, but remove it from main-menu, but for those who are interested in detailed information, they can get them from "about".

Van Delft: So you don't think people are going to use it?

Leitner: People can try it in about-area.

Wenger: So we should remove it from main page.

DECISION: Remove component model from main page, but keep it in a submenu item.

Geographical lists:

Van Delft: Geographical lists – how they are added to database?

Atanasiu: Excel sheet.

Van Delft: We just get an excel sheet? When will they be sent?

Atanasiu: Next week (week 28 of 2008)

Van Delft: Each institution gets place names?

Atanasiu: You get all of them, but you can sort the list and take only the ones important for your institution. You can sort excel-sheet by your institution.

Wenger: You will send them to everybody?

Atanasiu: Yes, via E-Mail.

Dissemination kit – discussion:

Rückert: Referring to title: No paper study, just watermark description standard, really impressed by this, we can do it in this way, this has also to be marked in title. Proposal for title: “watermark description standard”

Van Delft: System quite complex, wondering, if new user sees this, will be surprised, what is this? Little bit too complicated. You first should define the user you are aiming at.

Karnaukhov: Developed in cooperation with *Haidinger*, *Stieglecker* (KSBM).

Van Delft: But they are not inexperienced users; should be simpler.

Schmidt: What about “Watermark description starter kit”?

Karnaukhov: No, dissemination kit possible, but not starter kit, looks strange after one year for example if it is still called “starter kit”. Original version named “Wasserzeichen”, “paper studies” sounds better, but this can be changed easily.

Dietz: What about “yellow marks” like Yellow-Pages. Referring to *van Delft*’s remark, that database is too complicated. Most of the institutions have own databases. I am only interested to have a tool for watermarks, because I have already the data. Is it necessary to have a program to keep all this data again, because they are already available on my computer.

Karnaukhov: Structure of the current database will be changed, database will create and support Bernstein standard database, which now was accepted by Bernstein as an ideal one. Use in very easy way by Graz, will be standard one. It will connect directly to our workspace, without any problem. We worked together with *Haidinger* the following way, after some month it is so simple, we selected the most sophisticated tool which is useful.

Dietz: But useful for only for manuscripts.

Karnaukhov: You (*Dietz*) are the only who needs the database, when all data inserted you do not need the tool, can be done very fast. Possible solution: I can create new program to support your data.

Dietz: We need a user interface all other things are owned by the institutions.

Karnaukhov: No good idea. This database must be locally located. Dataflow is much higher. Printing of images makes flow very slow, so it must be local one with access of user. Only possibility: to adjust program to you, but only to you, because Piccard-Online doesn’t want to have it like this, KSBM already has one version.

Rückert: Good idea. We have to prepare description of existing databases for Bernstein (Bernstein classification scheme has to be prepared), convinced by *Victors* idea. Problem is just – as yesterday discussed – classification and harmonization of data we have. Agree with *Haidinger:* We need Bernstein plus to make this classification

Karnaukhov: *Haidinger* has previous running version of DK, is working properly, used till now, because no problems at all. It is possible to make any sorting in structure, language doesn’t matter, drag and drop, and you will get new index.

Rückert: How long does it take to make a description of one watermark?

Stieglecker: In average 3-5 minutes, very fast, really easy to use.

Leitner: Like to have at least for database index version, some institutions would prefer this.

Karnaukhov: Not planned, I have license only for windows, open source, commercial license only for license, use CodeGear developer tool, only for windows.

Wenger: We have to discuss this, because art historians are using Macs a.s.o. so an index would be necessary.

Leitner: But index of database should be no problem to provide, necessary for installation on server. Second remark: We need SRU-gateway in DK to connect it to Bernstein workspace. Should be a mini-application, so that we can access from Bernstein portal to databases: http-interface for generating links necessary, then easily connection of new database to Bernstein possible.

Karnaukhov: We have to discuss this.

Van Delft: Would it be possible to simplify it?

Karnaikhov: Yes, I can remove some advanced features. Some features cannot be simplified more (like drag and drop classification).

Van Delft: Can you establish a link to existing databases?

Karnaikhov: For searching, yes, but quite often difficult to get permission. We have to discuss.

Leitner: At least for images ...

Van Delft: Also new databases will be with Bernstein, if somebody starts new database, we will need institutions.

Wenger: (to Karnaikhov) Why do you already need some data in databases?

Karnaikhov: For demo version, click on it quite often: image doesn't exist in database, not good for (inexperienced) user.

Rückert: If you are a new user, describing watermarks you must get an idea how to do, so the idea of a demo version is very good.

Karnaikhov: In all cases we must make registration of users to inform them about changes in Bernstein standard and about updates of the PWS. We must inform registered users about change of classification model, this can afterwards be downloaded.

Wenger: Thanks to everybody, afternoon: presentation of guests.

Lunch / Break (Optionally at the Cafeteria of Neues Schloß Stuttgart)

Afternoon chairman: Rückert

13.30 Deliberations between Bernstein partners and guests

Short presentation: *Nicoletti* [For details: see ppt-presentation on TWiki](#)

Short presentation: *Vlessas* (Greece): Bleiche Vergangenheit – Versprechende Zukunft: Eine kleine Skizze der griech. papiergeschichtl. Forschung: Starting a paper and watermark project. Greece had no hand made paper production and no papermills. Because of Osmanic Empire western paper especially produced for Greek market was imported until 1825. First tries of papermaking in the 1820; first industrial paper production in 1876; until 1821 Greek books were produced in western European countries; paper was used for schoolbooks and administrative writing. There is no research on paper in Greece until now. An archive for paper should be compound to organise private collections, tools for creating a watermark and paper database are desired. Resource: Osmanic manuscripts. They want to motivate young students to specialise on paper history and research.

14:30 Discussion and concluding remarks

Allison: for details: <http://abacus.bates.edu/Faculty/wmarchive/>

A brief summary of the history of the Watermark Archive Initiative (WAI), founded by the First International Conference on the History, Function and Study of Watermarks (Roanoke, Virginia, 10-13 October, 1996). Its 2 Main objectives: (1) to promote publication of paper descriptions and images through a distributed database system so that scholars working in all disciplines can find each other's work. The Bernstein workspace is solving that need. (2) to produce a relational database (WAI's International Paper Registry, IPR) designed for (a) full paper descriptions and (b) integrated searching via the distributed database, and (c) capable of supporting humanistic research through enabling the discovery of relationships of papers to historical persons, institutions and works of art or intellectual content associated with paper. The IPR Database will make possible publication of papers and related data by many scholarly projects via the Bernstein Workspace.

Kluge: The database of Basler Papiermühle contains 4240 items, but only 2600 wm (scans) are catalogued in IPH-standard. 40000 original papers from 300 papermills and 1352 papermakers (important: initials of names of papermakers are visible as watermarks) are stored in the museum. How to implement the data in the Bernstein workspace? The Museum has no money to develop software. Sheets of paper (plane sheets): from the 15th to 18th century (all dated). No website available.

Sanderson: Short report about conference at KB: (www.europeana.eu).

Ornato: Piccard-Online for statistics. [For details: see ppt-presentation on TWiki](#) and [Excel-sheet on TWiki](#).

DECISIONS:

Decision 1:

Rückert (LABW): Preparation of concordance of ref.-numbers: Printed Piccard – Piccard-Online.

Decision 2:

Wenger (ÖAW): First proposal of domain name chosen (www.memoryofpapers.eu), also satisfy with link to link with hyphen (www.memory-of-papers.eu), decision is taken. Majority agrees.

Decision 3:

Krasser, Leitner, Perchthaler Schinnerl (TUG): Remove component model from main page. Implementation of missing parts into Bernstein-portal (e.g. for “Statistics”) and sending URL via Bernstein-List for testing.

Decision 4:

Atanasiu (ÖAW, LAMOP): Excel sheet with geographical lists will be sent in week 28 of 2008 by Atanasiu.

Decision 5:

Rückert (LABW, KSBM, KB): Bernstein classification scheme has to be prepared (e.g. necessary for Dissemination Kit).

Next meetings

- *Wenger*: Next WP-meetings not scheduled yet, will be done on demand.
- Final meeting is planned in Dresden, Feb. 2009.

Vienna, July 22nd, 2008

Martin Haltrich, Sandra Hodeček, Frieder Schmidt