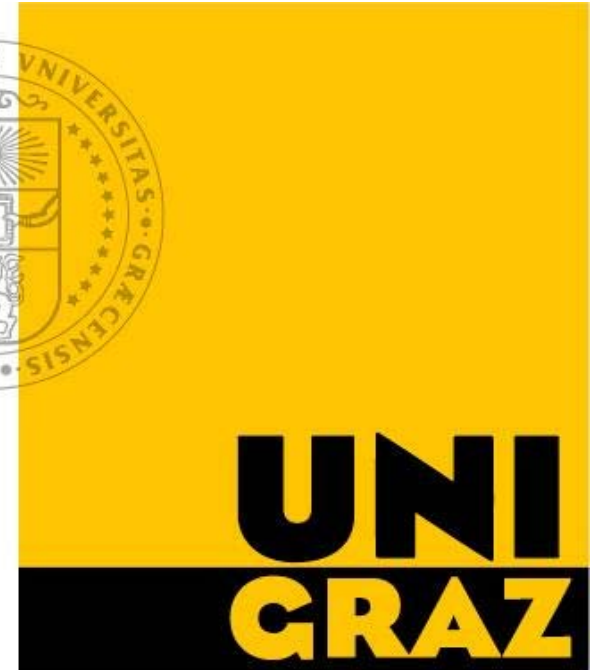


Services offered to VIP by the University of Graz, Austria

- Services to individuals
- Services to the VIP community



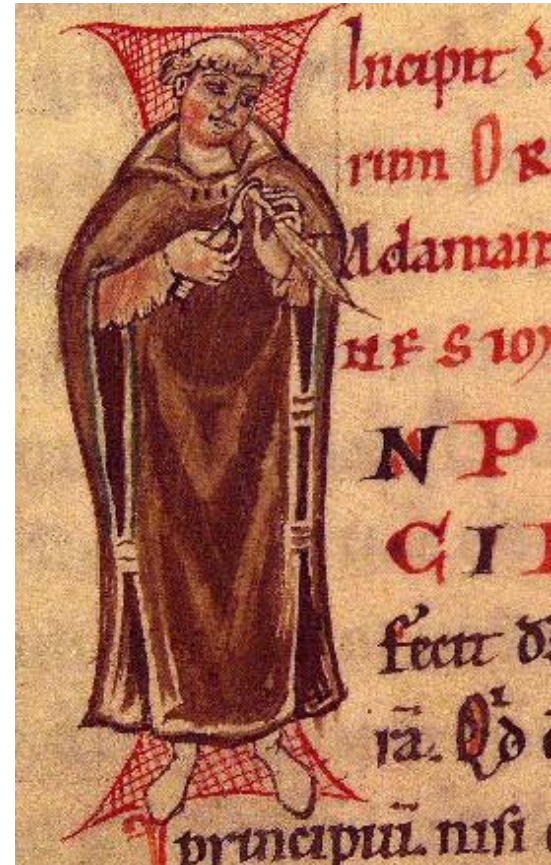
Services to individuals

- In 1993 the first work station for blind library users at an Austrian Academic library was installed at Karl-Franzens-University Library, Graz, run by a blind librarian.



Services to individuals

- Since 1994 the University of Graz has established a “Counselor for students with disabilities”.



Services to individuals

- I3s3 Austrian
Institute for
Information Systems
and Support
Services for blind
and visually
handicapped
University students



Computer Science for the Blind

Johannes Kepler University
Linz, Austria



Services to the VIP community

– *EU Project
TESTLAB*

- ***TEsting Systems
using Telematics
for Library Access
for Blind and
visually
handicapped
readers. 1996 -
1998***



Services to the VIP community

- Working on digitisation projects
- with special regards on the needs of VIP



Services to the VIP community

- Gutenberg Österreich
- ALO Austrian Literature Online
www.literature.at



Services to the VIP community

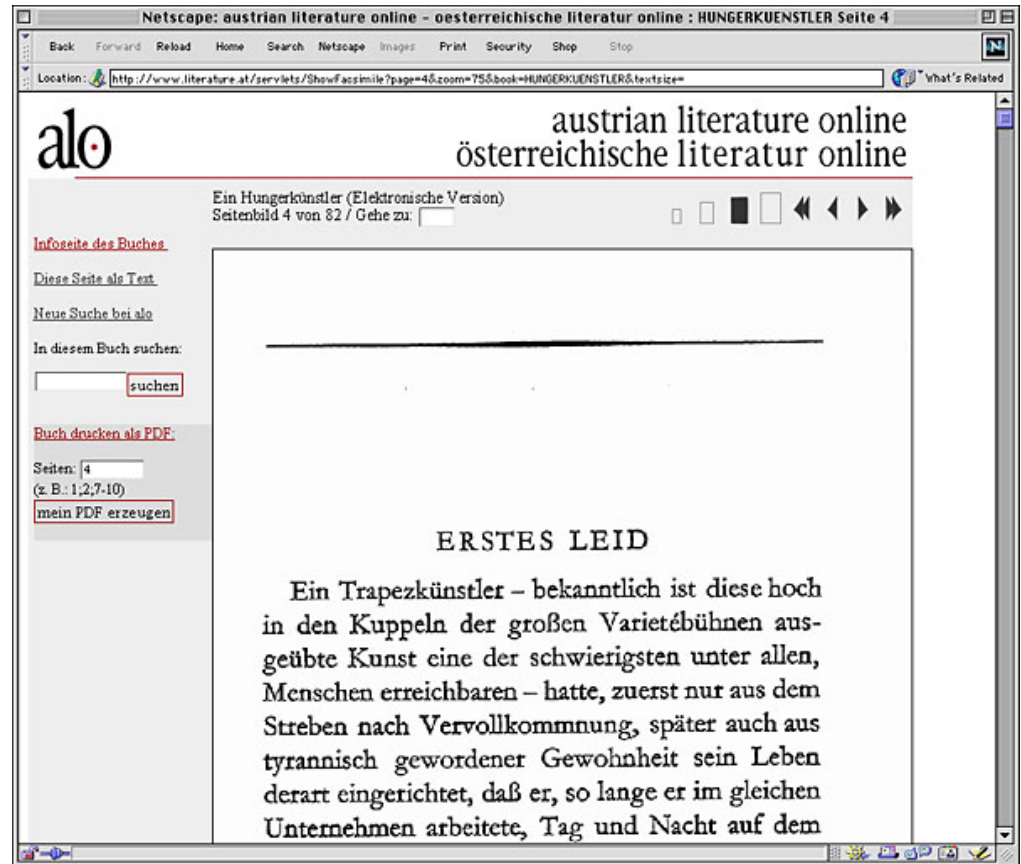
- The enemies of the book are

-
-



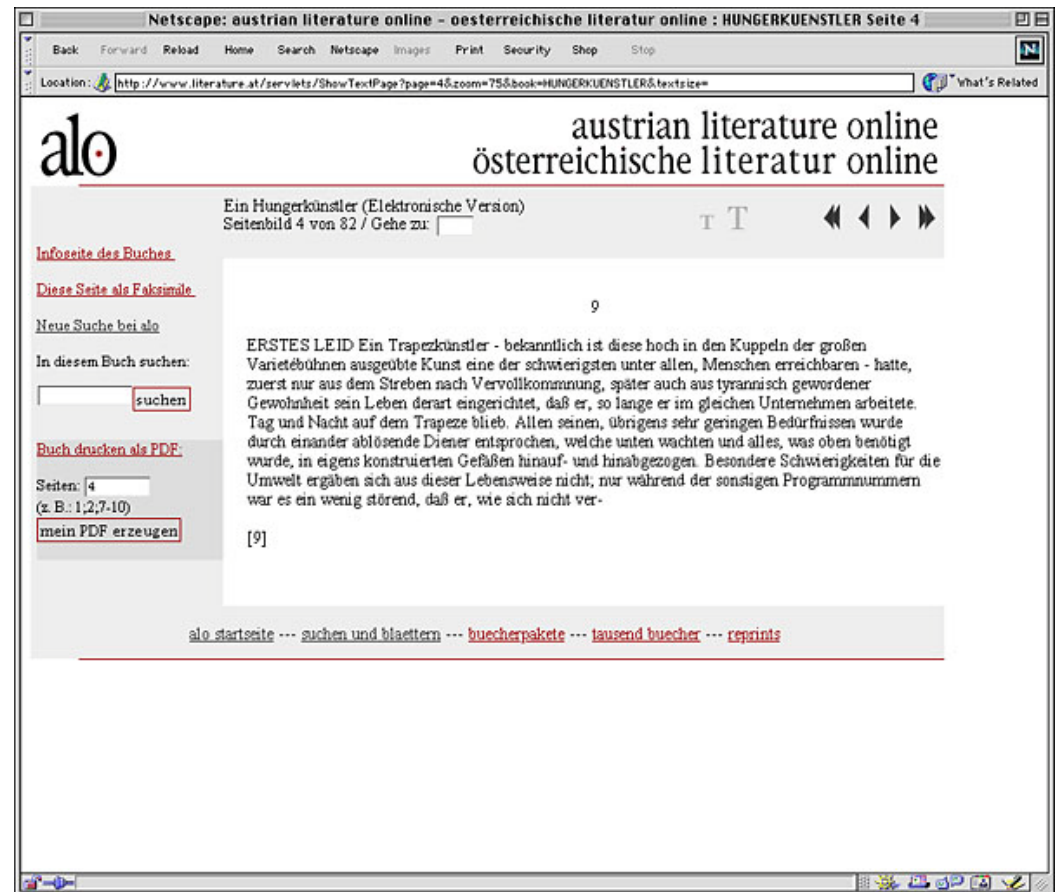
Services to the VIP community

- ALO
- provides image files for authenticity



Services to the VIP community

- ALO
- provides full text for search and accessibility



Services to the VIP community

- ALO
- EU Trial Project: books2u!

Proposal Acronym ⁵	books2u!	Proposal No ⁶	IST-2000-28715
A2		Proposal Summary	
Objectives (maximum 1000 characters)			
<p>The interlibrary loan system of books is one of the central services of national, university, and research libraries throughout Europe. Millions of volumes are shipped every year. Nevertheless, the interlibrary lending of books is a time-consuming, ineffective and expensive activity: The book has to be shipped from the lending library to the borrowing library and back again - just to satisfy the request of one single user. In contrast to that, our books2u! project will set up a new service that will invest the time and money presently used for shipping into scanning and digitally reformatting the requested book. The user will thus be able to view the page images on a web site. After its digital conversion the book itself will be safeguarded, and every European citizen will have access to the digital page images via Internet.</p>			

Services to the VIP community

- ALO
- books2u!
- interlibrary loan project using experience from our cultural heritage projects



Services to the VIP community

- ALO
- books2u!
- interlibrary loan project and experiences from document delivery services

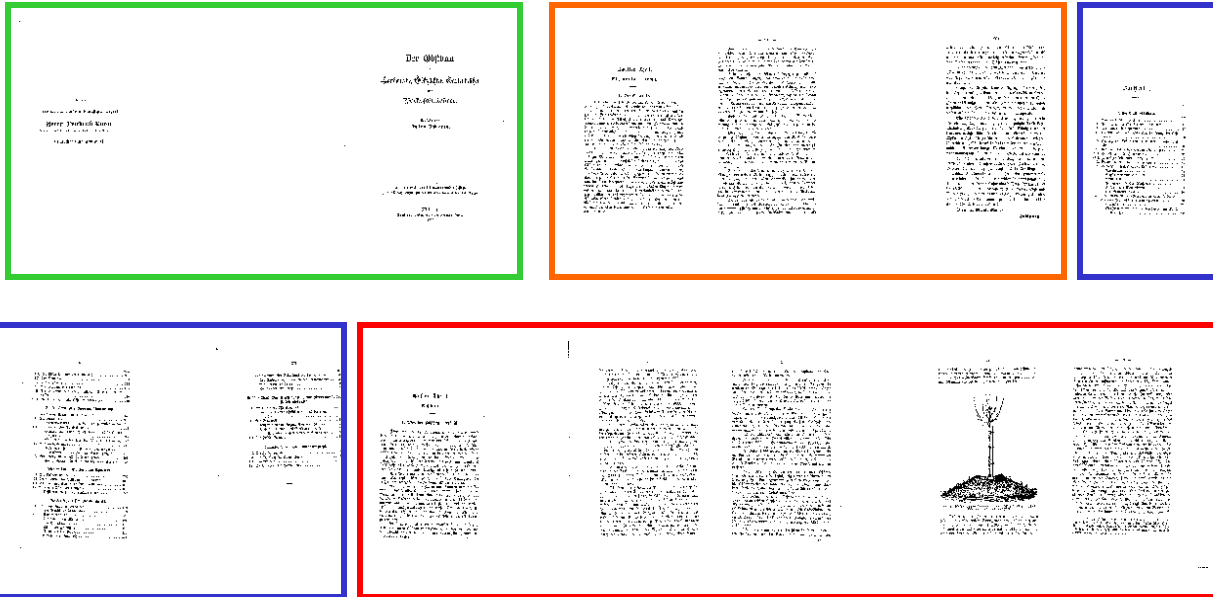


Services to the VIP community

- The METAe metadata engine project



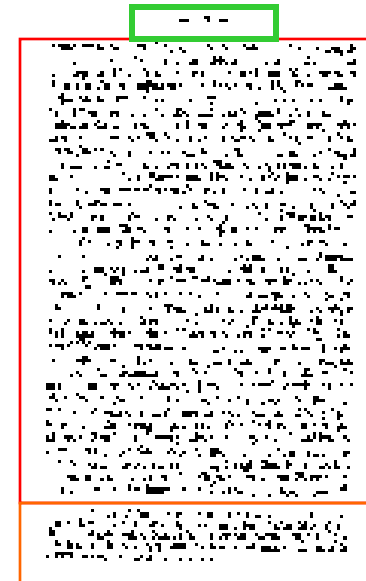
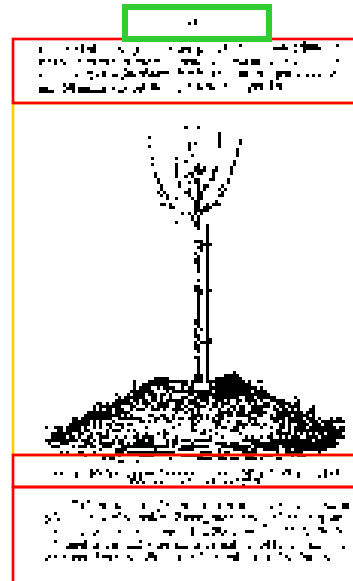
METAE Document analysis and structural elements



„grammar of books“ – the logical structure of a text and its
materialisation into the physical layout of a printed document

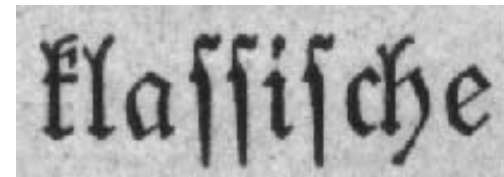
Page analysis and layout elements

- text – non-text elements
- text elements such as caption lines, headlines, tables, paragraphs...
- metatext elements such as footnotes
- descriptive metadata such as page numbers
- extension of metadata: location of elements will be recorded as well



Character analysis and „Fraktur“

1. Metadata: kind of alphabet, fonttype, fontsize will be recorded
2. Fraktur: 90% of all documents in central Europe texts
3. Trainable OCR-engines: Maximal recognition rates are 95%, average is much lower



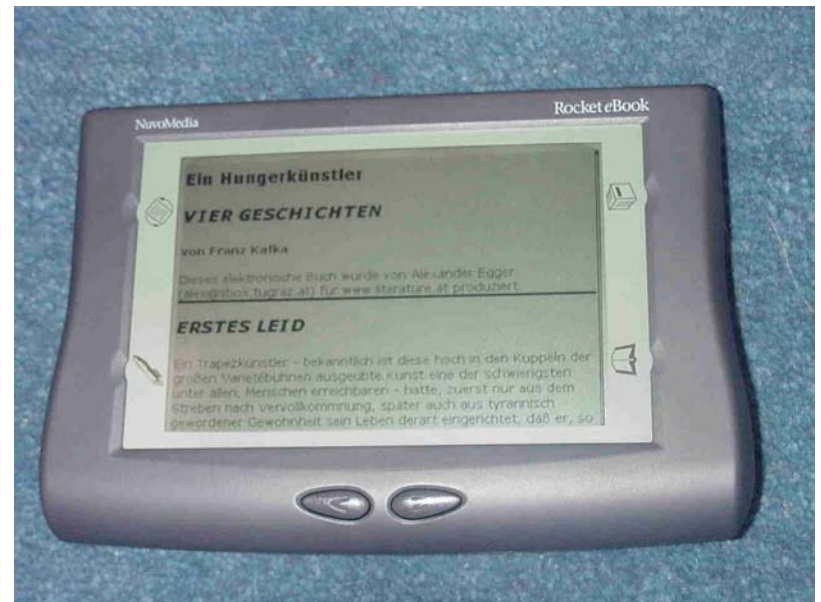
4. MitCom Neue Medien GmbH. and ABBYY: FineReader OCR
5. Fraktur alphabet and enhanced alphabet for other European typefaces as well, e.g. long „s“ for English texts
6. Support with historical dictionaries for German, English, Spanish, French and Italian

Application areas and benefits

1. Cost-effectiveness: Instead of manual interaction software will do a good part of the job
2. Higher quality: The output of the digitisation process should be of higher quality than before
3. Less maintenance effort since digital preservation standards are integrated from the very beginning
4. Expected users are not only libraries, but also companies specialising in digitisation and – institutions for the blind

Services to the VIP community

- ALO
- books2u!
- METAe
- ALO rocket eBooks
- and



Services to the VIP community

- ALO MS reader eBooks
- will create literature in alternative formats



Services to the VIP community

- For the use of

- Mario

thank you

- bruno.sperl@uni-graz.at

