

Austrian association supporting
the blind and visually impaired

RoboBraille Alternate SMART Media

or: how to convert Documents in a
smarter and easier way by means of
Open Source Tools



The Project

Goals

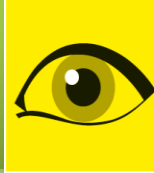
- to explore and describe how to prepare and create educational material in alternate formats in a smarter and easier way using RoboBraille and other relevant free document conversion and authoring tools.
- to develop and describe a complete training course that can be implemented with immediate effect in educational systems throughout Europe



The Project

Sections/Parts of the Handbook

- Unit 1: An Introduction to inclusive education
- Unit 2: Designing Accessible Documents
- Unit 3: Using Learning Technologies to support Learners
- Unit 4: DAISY Conversions
- Unit 5: E-book conversions
- Unit 6: Braille conversions



The Project

Introduction in inclusive education

- the topic of inclusive education is introduced and discussed using case studies.
- Inclusive education describes the procedures and dispositions necessary to accommodate all Learners learning needs, regardless of their
 - physical,
 - intellectual,
 - emotional,
 - linguistic,
 - socio-economic factors



The Project

Designing Accessible Documents

- guidelines are provided for the creation of accessible Word documents and PDF's (checker like PAC, Callas...)
- an overview is presented of the challenges to creating accessible PowerPoint documents.
- the learners are offered an insight into the principles behind accessible web content (WCAG 2.0)



The Project

Using Learning Technologies

- Learning technologies are technologies that are used by all Learners in an inclusive learning environment.
- Learning technologies are designed to facilitate flexible learning opportunities and for learners to maximise their learning preferences



The Project

DAISY Conversion

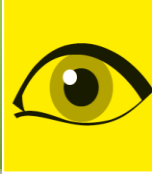
- What is DAISY
- Reading DAISY books
- DAISY readers
- Producing DAISY books
- Prerequisites
- Production tools



The Project

E-Book-Conversion

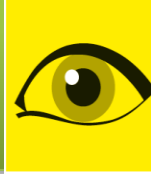
- What is an e-book
- Reading e-books
- Apps
- Tablets, phones and e-book readers
- Producing e-books
- Prerequisites
- Production tools



The Project

Braille Conversion

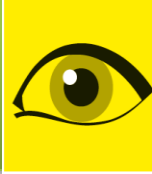
- Introduction to Braille
- The Challenges of Braille conversion
 - Not only does Braille differ from country to country and from language to language: Braille also varies according to
 - domain (e.g., literary Braille, scientific Braille, Braille music, Braille poetry and pharmaceutical Braille),
 - medium of rendition (six-dot Braille for paper, eight-dot Braille for computers),
 - contraction levels (from two levels in British English Braille to five levels in the recently revitalised Norwegian Braille code).
- Converting to Braille conversion six-dot and eight-dot Braille
- Converting to the character set of the embosser
 - formatting, word-wrapping and paginating



The Project

Robobrainle

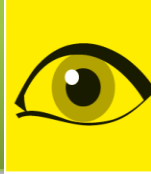
- as a public service, RoboBraille is capable of converting documents into a variety of alternate formats
- the service can also be used to convert otherwise inaccessible or tricky documents into more accessible formats.



The Project

Robobraille/Conversion options

- Digital Braille books
- MP3 audio files
- DAISY structured audio books
- E-books in EPUB and Mobi
- Accessibility conversions



The Project

Robobraille

- Only for non-commercial use
- Free for personal use
- Inexpensive for institutional use
- <http://www.robobraille.org>
- Upload via Website
- or you send the attached document via your emailclient to an adress:
 - Audio:american@ deutsch@
parlefrançais@ daisy@ daisymath@....
 - Braille: banagrade1@ banagrade2@ sixdot@ kurzschrift@....
 - E-books: epub@ epub3@ mobi@
 - Conversion: convert@

Convert a File

Follow the four easy steps below to have your document converted into an alternative, accessible format. The result is delivered in your email inbox. You may upload a file, enter a URL to a file or simply type in the text you wish to have converted. The form expands as you make your selections.

Source

- File
- URL
- Text

Step 1 - Upload your document

Select your file and upload it to the server (max 64 MB). Multiple files of the same type may be selected. Supported file types are .DOC, .DOCX, .PDF, .PPT, .PPTX, .TXT, .XML, .HTML, .HTM, .RTF, .EPUB, .MOBI, .TIFF, .TIF, .GIF, .JPG, .BMP, .PCX, .DCX, .J2K, .JP2, .JPX, .DJV and .ASC

File name: Keine ausgewählt

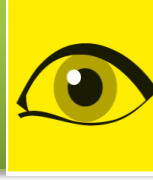
The file ATAG 2015.docx was successfully uploaded to the server (12 kb).

Step 2 - Select output format

Specify the target format of your document. For this document type, the following formats are available:

Target format

- MP3 audio
- DAISY full text and audio
- DAISY Math full text and audio
- Braille
- E-book
- Accessibility conversion



Thank You Contact

<http://www.hilfsgemeinschaft.at>

hoeckner@hilfsgemeinschaft.at