

# Daisy Producer: an integrated production management system for accessible media

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  - Questions

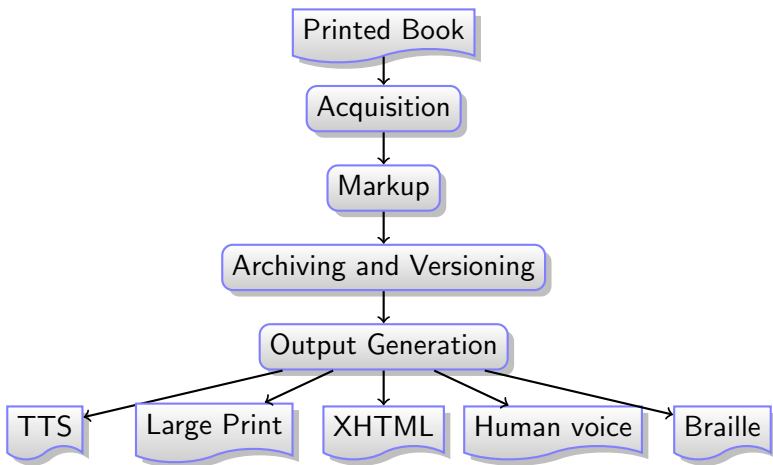
# Background

- Swiss Library for the Blind and Visually Impaired produces accessible media
  - DTBs, Braille, Large Print
  - XHTML, RTF
- Large amounts of produced media
- We want to increase output production
  - produce more books
  - in less time

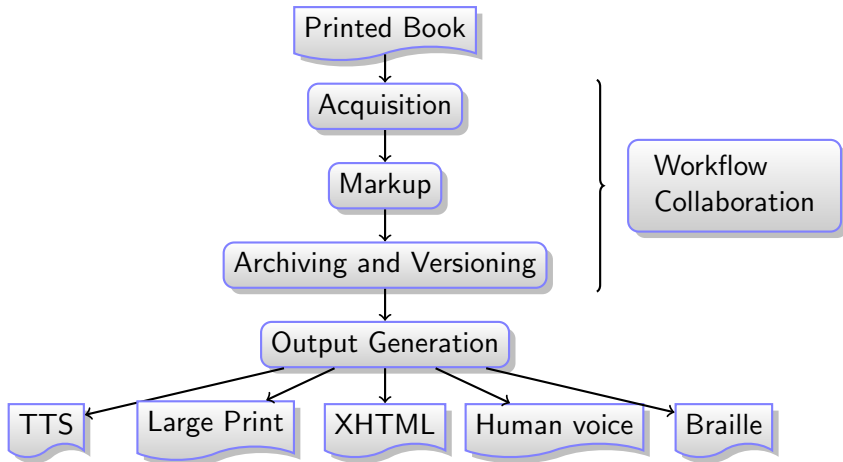
# Why are we here?

- Not that easy to increase output production
- Production lines are separate
  - Does not scale
  - No benefit from synergies
- Lack of collaboration/workflow support
  - Work on the same book is often done by different people
  - Sometimes even in different locations

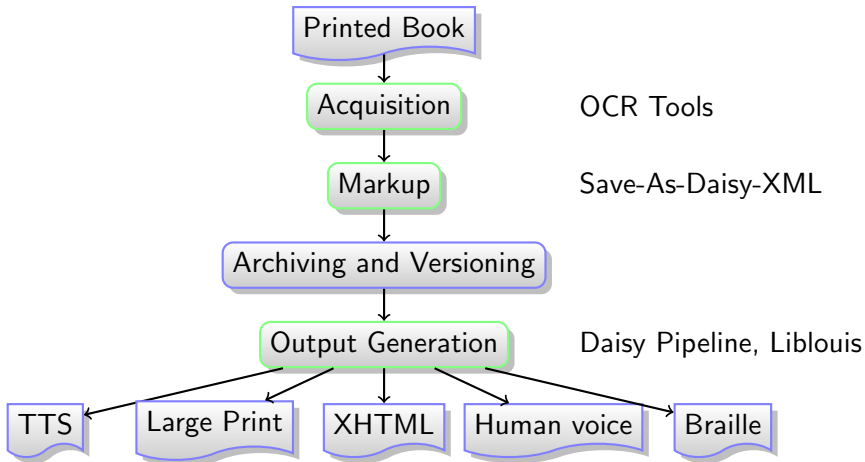
# Production of accessible media



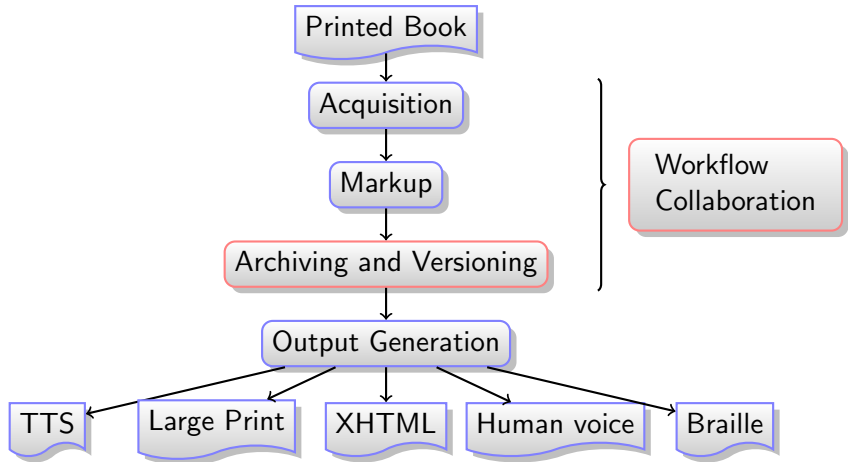
# Production of accessible media



# Production tools



# Production tools



# Production tools summary

- Acquisition → e.g. OCR tools
- Markup → e.g. Save-As-Daisy-XML
- Output Generation → Daisy Pipeline, Liblouis
- Archiving and Versioning
- Workflow and Collaboration

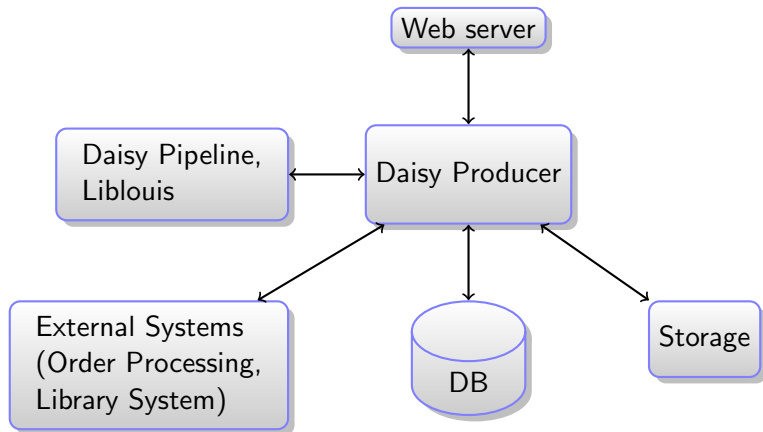
## *Daisy Producer enters the stage*

- Integrated workflow management
- Collaboration support
- Archiving and versioning
- Unified production for all output formats
  - centered around DTBook XML
- Automated output generation
- Web-based

# *Daisy Producer* enters the stage

An integrated production management system

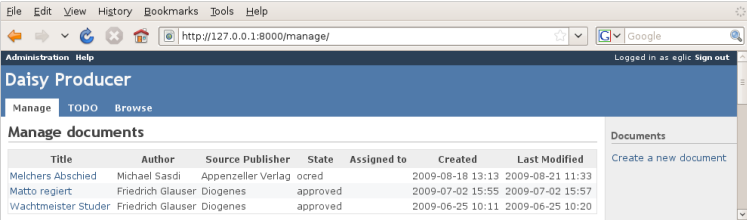
# Architecture



# Use Cases

- Management
  - Initiate a production
  - Assign tasks to users
- Production
  - Work on a production
    - e.g. scan, markup, upload document, proof read, approve, etc.
- Consumption
  - Download a customized version of a finished production
- Administration
  - Manage users, groups
  - Define workflow

# Management



The screenshot shows a web browser window displaying the Daisy Producer management interface. The browser's address bar shows the URL `http://127.0.0.1:8000/manage/`. The interface includes a navigation menu with 'Administration' and 'Help' options, and a user login status 'Logged in as eglic Sign out'. The main content area is titled 'Daisy Producer' and features a 'Manage documents' section. This section contains a table with columns for Title, Author, Source Publisher, State, Assigned to, Created, and Last Modified. The table lists three documents: 'Melchers Abschied', 'Matto regiert', and 'Wachtmeister Studer'. A 'Documents' sidebar on the right includes a 'Create a new document' link.

Title	Author	Source Publisher	State	Assigned to	Created	Last Modified
Melchers Abschied	Michael Sasdi	Appenzeller Verlag	ocred		2009-08-18 13:13	2009-08-21 11:33
Matto regiert	Friedrich Glauser	Diogenes	approved		2009-07-02 15:55	2009-07-02 15:57
Wachtmeister Studer	Friedrich Glauser	Diogenes	approved		2009-06-25 10:11	2009-06-25 10:20

Figure: Management overview of all documents in production

# Production – Overview



The screenshot shows a web browser window displaying the Daisy Producer interface. The browser's address bar shows the URL `http://127.0.0.1:8000/todo/`. The page title is "Daisy Producer" and the user is logged in as "eglic". The navigation menu includes "Management", "TODO", and "Browse". The main content area is titled "Pending documents" and contains a table with the following data:

Title	Author	Source Publisher	State
Melchers Abschied	Michael Sardi	Appenzeller Verlag	ocred

Figure: Overview of all pending documents

# Production – Detailed view

The screenshot shows a web browser window displaying the Daisy Producer application. The browser's address bar shows the URL `http://127.0.0.1:8000/todo/5/`. The application's navigation bar includes "Administration" and "Help" on the left, and "Logged in as eglic Sign out" on the right. The main content area is titled "Daisy Producer" and has tabs for "Manage", "TODO", and "Browse". The "TODO" tab is active, showing "Document Details" for a document titled "Melchers Abschied".

**Document Details**

**Melchers Abschied**

<b>Author:</b>	Michael Sasdi	<b>State:</b>	ocred
<b>Source</b>			
<b>Publisher:</b>	Appenzeller Verlag		

**Versions**

from Save-As-Daisy-XML	2009-08-21 11:22
Initial version created from meta data	2009-08-18 13:13

Comment:  Content:

**Attachments**

melcher.rtf	RTF as extracted from OCR	application/rtf	2009-08-21 11:21
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Comment:  Content:

**State**

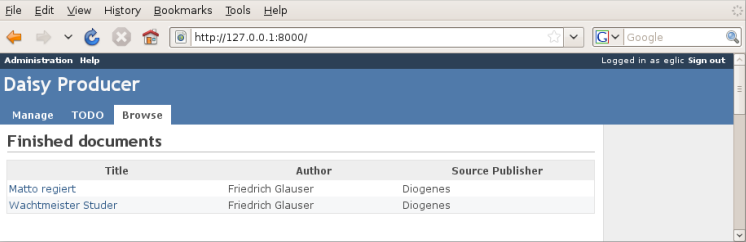
State:

**Document**

- OCR
- Markup

Figure: Detailed view of a pending document

# Consumption – Overview



The screenshot shows a web browser window displaying the Daisy Producer interface. The browser's address bar shows the URL `http://127.0.0.1:8000/`. The page has a dark blue header with the text "Daisy Producer" and a navigation menu with "Administration" and "Help" on the left, and "Logged in as eglic Sign out" on the right. Below the header, there are tabs for "Manage", "TODO", and "Browse", with "Browse" selected. The main content area is titled "Finished documents" and contains a table with three columns: "Title", "Author", and "Source Publisher".

Title	Author	Source Publisher
Matto regiert	Friedrich Glauser	Diogenes
Wachtmeister Studer	Friedrich Glauser	Diogenes

Figure: Overview of all finished documents

# Consumption – Detailed view

The screenshot shows a web browser window displaying the Daisy Producer interface. The browser's address bar shows the URL `http://127.0.0.1:8000/1/`. The page title is "Daisy Producer" and the user is logged in as "eglic". The navigation menu includes "Management", "TODO", and "Browse".

### Document Details

**Wachtmeister Studer**

**Author:** Friedrich Glauser  
**Source Publisher:** Diogenes

**View as PDF**

FontSize: 17pt  
Font: Tiresias LPfont  
Page style: Plain  
Alignment: justified  
Papersize: a4paper  
Download

**View as Braille**

Cells per Line: 40  
Lines per Page: 28  
Contraction: Grade 0  
Hyphenation:   
Show original page numbers:   
Enable Capitalization:

# Implementation

- Python using Django Web Framework
- Usual multi-tiered design
- Runs on any platform
  - Linux, Windows, Mac
- Works with any relational database
  - MySQL, PostgreSQL, Oracle

# Features

- Workflow
  - freely definable (Finite State Machine)
- Collaboration
  - shared and versioned workspace
- Management
  - Overview of production
  - Assign tasks to users or groups
- Self-service output generation
  - using Daisy Pipeline and Liblouis

# Demo

Demo Time

# How does this help me?

*Daisy Producer* helps with your production of accessible media

- Manage the production
  - Overview
  - Workflow
- Helps with collaboration
  - Provides a versioned shared storage for documents
- Integrates with Daisy Pipeline and Liblouis
  - Generation of output media
- Ultimately allows your production to scale

## Where can I get it?

- Freely available from <http://www.daisyproducer.org>
- Released under an Open Source license
- Feedback is highly appreciated

# A work-in-progress

- *Daisy Producer* is not finished
  - Influence is possible and welcome
  - see Roadmap
- Users, Testers and of course Developers are welcome

# Roadmap

- Q1 2010
  - Launch in production for fiction books
- Future
  - Support for all of DTBook XML
  - Support for more output formats
  - Integration with library and order processing system

# Questions

Questions?