



PUBLIC DOMAIN PROJECT

Gemeinfreies Film- und Musikarchiv



Public Domain Project

Christoph Zimmermann

Carl Flisch

- Server Administrator
- Technical Support
- Music historian
- Collector
- Radio administrator

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You just heard

- The little demonstration at the beginning was:
 - Rigoletto (Act 2), Aria: Ella fu ma rapita!
 - Author: Giuseppe Verdi (Music), Piave (Lyricist)
 - Performer: Enrico Caruso with symphony orchestra
 - Media: 12" 78 rpm single sided disc
 - Length: 4 min
 - First released: 1914

Thanks to René for the phono preamplifier!

Structure of this session

Presentation

Open discussion

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General Idea

The Public Domain Project is all about free music & fair use of it.

- Legally free
- 100% no copyright protection

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Free music for any use!

Use the music archive your way:

- Streaming
- Sampling
- Remixing
- Background music
- ...

Nobody to ask, just use it!

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Achievements

- 2008 Discussions startet
- 2009 First file server donated and installed
- 2010 Wikipedia DE “Wissenswert” Contest:
We won and got the laser turntable
- 2011 A collector joins and donates 30 000 records
- 2012 New server hosting sponsor: ZHDK

Relocating the collection



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Facts

50 000 physical records in our collection

4000 unique visits per month

150 digitalized audio records

50 m² archive space

5 active people

0 funding

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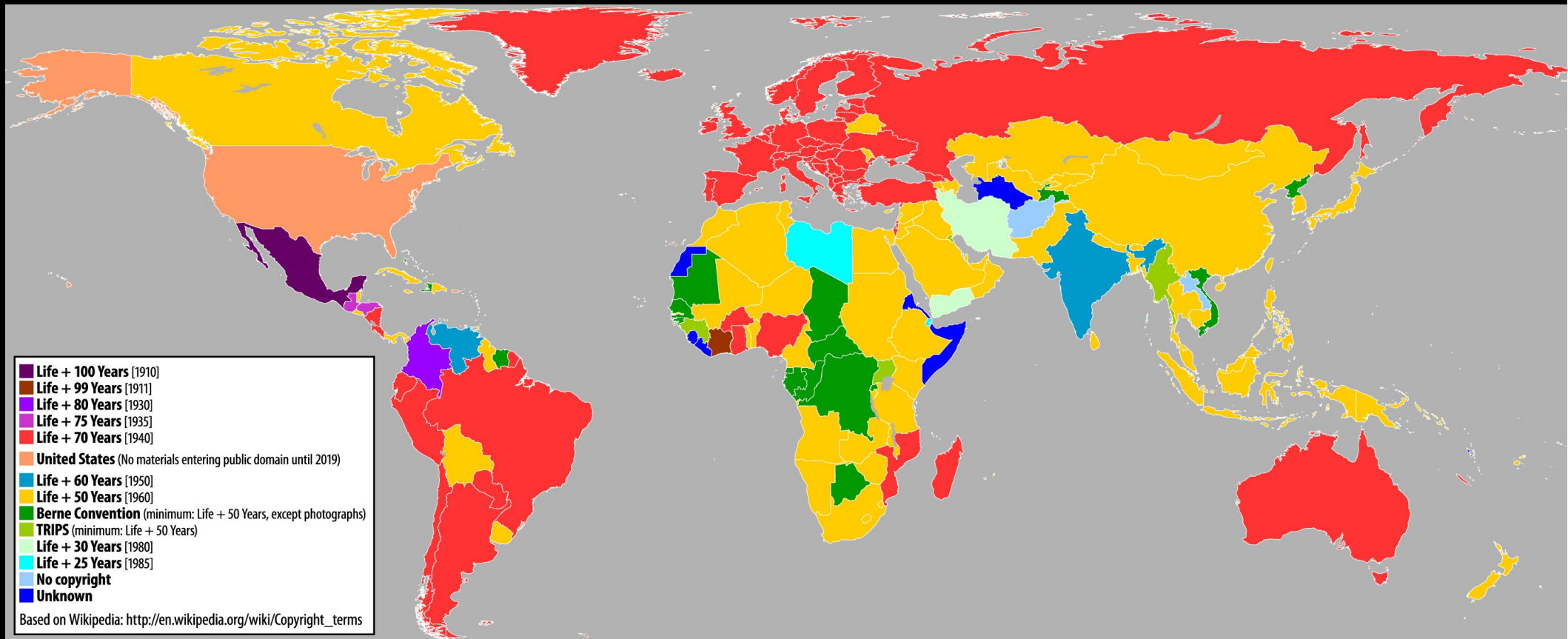
Legally, what means free?

- In legal terms:

When a work is in the *Public Domain* it is free

- The term *public domain* is the opposite of *copyright protected*
- In german the legal term is *gemeinfrei*

International Copyright Law



Source: Balfour Smith (Center for the Study of the Public Domain)

How we handle it:

When it is out of copyright protection in Switzerland, we share it:

- 70 years after the author died
- 50 years after publication
- or
- Creative Commons „by“-license



Example: The All Star Trio/Jaudas' Society Orchestra (Edison 50496)

Daten des Tonträgers

- Genre: L-Seite: Foxtrott / R-Seite: Foxtrott
- Label: Edison Records
- Labelcode: -
- Bestellcode: 50496
- Matrizen-Nr: 6354 (50496-L) / 6331 (50496-R)
- Matrizen-Kopplung: 1918
- Spieldauer: -
- Aufnahmedaten: L-Seite: 6. September 1918 / R-Seite: 1918
- Aufnahmeort: -
- Erscheinungsdatum: **1918**
- Bemerkungen: -

Besetzung

- Interpret L-Seite: The All Star Trio
- Interpret R-Seite: Jaudas' Society Orchestra

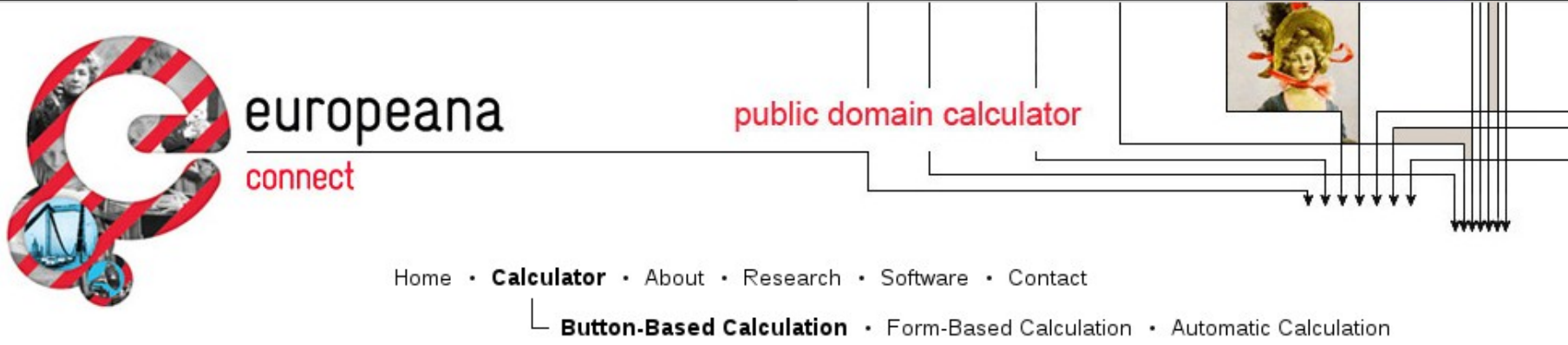
Inhalt des Tonträgers

- L-Seite: Just Blue - Fox Trot (Komponisten: Victor Arden (1893-1962) & F. Wheeler Wadsworth (?))
- R-Seite: Smiles - Fox Trot (Komponist: Leland Stanford Roberts (1884-1949))

Ende des Urheberrechtsschutzes

- **L-Seite**
 - 50 Jahre nach der Erstveröffentlichung: 1968
 - Nach dem Tod des ausübenden Künstlers (?), jedoch nicht vor dem Ablauf der Schutzfrist: 1968
 - 70 Jahre nach dem Tod des Komponisten: **2032**
- **R-Seite**
 - 50 Jahre nach der Erstveröffentlichung: 1968
 - Nach dem Tod des ausübenden Künstlers (?), jedoch nicht vor dem Ablauf der Schutzfrist: 1968
 - 70 Jahre nach dem Tod des Komponisten: **2019**

PD Calculator




After choosing a jurisdiction you will be guided through to several questions that help you to determine the copyright status of a work under review.

- www.outofcopyright.eu

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Parts of the project



PUBLIC DOMAIN

English
The free online music database

Deutsch
Die freie Musik Datenbank


Français
La base de données musique libre

Italiano
La banca dati musica libera

Public Domain Radio
Online Radio Channels

Public Domain Downloads
Free Music and video material

[Deutsch](#) • [English](#) • [Français](#) • [Italiano](#)



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Parts of the project

- File archive
- Radio streams
- Music encyclopedia
- Swiss foundation “Public Domain”

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Music Encyclopedia

- Build a community driven encyclopedia
- Contains all known information about a archived music title
- Provides further information about:
 - Composer/Author
 - Artists
 - Lyrics, libretto

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MediaWiki based



The screenshot shows a MediaWiki page for the Public Domain Project. At the top, there are navigation tabs for 'page', 'discussion', 'view source', and 'history'. The main heading is 'Main Page'. Below this, there is a section titled 'Public Domain Project' with a subtitle 'Official website · Facebook fan page · Fan shop · Project guide · Worldwide copyright terms'. The main content area is titled 'Public Domain Project' and contains a paragraph describing the project as an open-minded initiative for the conservation and utilization of public domain music and film material. It lists three sub-projects: the Public Domain Pool, the Public Domain Wiki, and the Public Domain Radio. To the right of the text, there are two images: a black Edison Disc record and a V-Disc record. The Edison Disc image is accompanied by text explaining that it is also known as a Diamond Disc record, marketed by Edison Records from 1912 to 1929. The V-Disc image is accompanied by text explaining that it is a morale-boosting initiative involving the production of recordings during the World War II era by special V-Disc ('V' for Victory).

[page](#) [discussion](#) [view source](#) [history](#)

Main Page

Public Domain Project

[Official website](#) · [Facebook fan page](#) · [Fan shop](#) · [Project guide](#) · [Worldwide copyright terms](#)

Public Domain Project

The **Public Domain Project** is an open-minded (open to all persons) project for the conservation and utilization of Public Domain music and film material. It consists of the following projects:

- The **Public Domain Pool**, a free Music database of digitalized recordings
- The *Public Domain Wiki*, an Open content **music encyclopedia** that represent the full inventory of the **Public Domain Pool** includes all known information about a musical work.
- The **Public Domain Radio** that broadcasts the historical recordings as a **Internet radio station**.
- The **Swiss Foundation Public Domain** is the corporation of the Public Domain Project.



The **Edison Disc**, also known as a Diamond Disc record, was a type of audio **disc record** marketed by **Edison Records** from 1912 to 1929.



V-Disc ("V" for Victory) was a morale-boosting initiative involving the production of several series of recordings during the **World War II** era by special

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Online Radio



Public Domain Classical

- Mixed Classical music, Chamber music and Symphonies



Public Domain Jazz

- Mixed Jazz, Ragtime and Swing

More channels are on the way!

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Online Radio

- Streams in mp3 and aac+
- Providing Shoutcast and Icecast Streams
- Using Icecast and Liquidsoap on Linux
- **More than 20 000 unique listeners!**

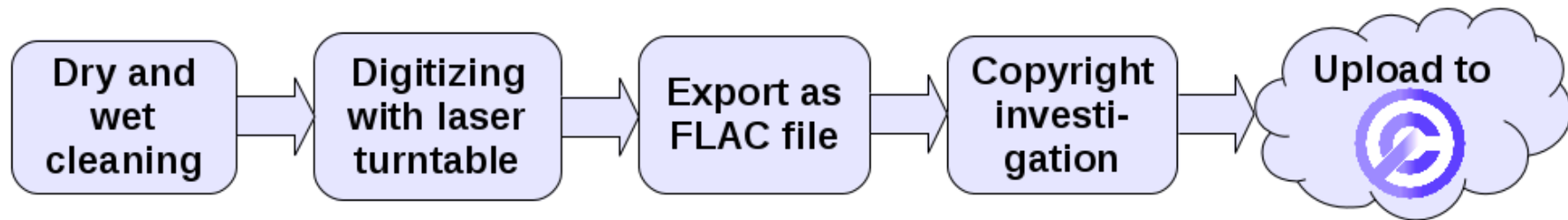
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Sound Pool

- Collecting records
 - Mainly Shellac records
- Digitalize them
- Make the files available
- Store the original records

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Digitalizing Process



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Cleaning



- Very important step
 - Improoves recording, reduces clicks
 - Demonstration: Uncleaned record

Digitalizing

- Recording in 24 bit/96 kHz
- Lossless, license and patent free file format:
 - FLAC
- Focus on best possible record
- Restoration always separate!

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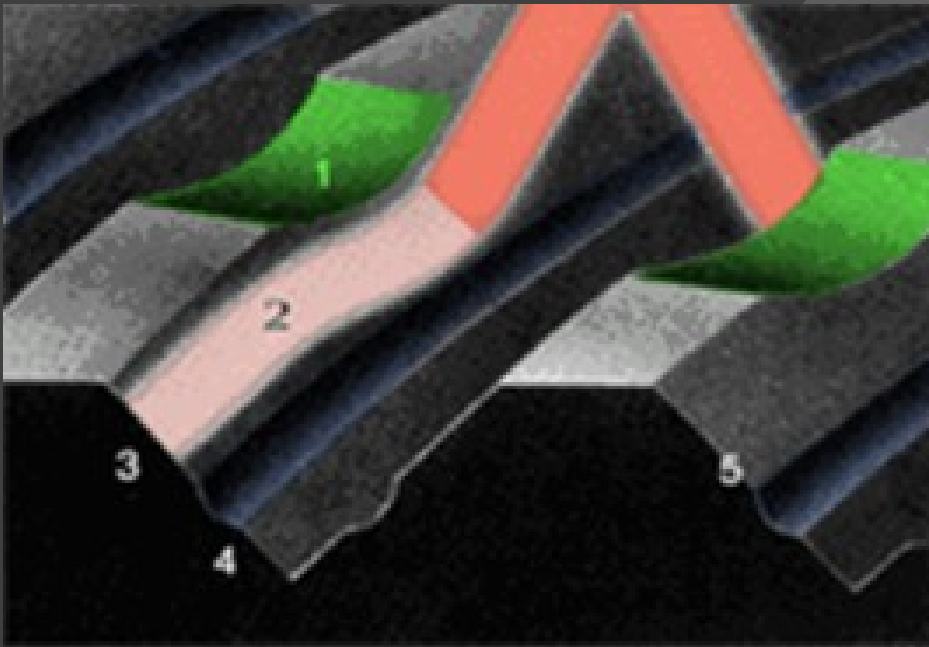
Laser turntable

- Financed by Wikimedia (DE):



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The Needle vs. The Laser



1. Scratch damage on the land area of grooves.
2. Laser beams that read the audio modulations.
3. The area of the groove that is read avoids the scratch.
4. The area of the groove where stylus damage is found.
5. The Groove with damage from a needle.

Recording hardware



- Thanks to Misch!

Upload to Commons

Special page

File list

This special page shows all uploaded files. When filtered by user, only files where that user uploaded the most recent version of the file are shown. More options are available in the [Gallery tool](#) (requires JavaScript)

File list

Items per page:

Username:

Date	Name	Thumbnail	Size	User	Description
01:27, 15 March 2012	Victor-16714b-b8830.ogg (file)		2.06 MB	Pdproject	<i>{{Information Description ={{de}}=Interpret: Arthur Pryor's Band
 Formation: Militärmusik
 Titel: March Religioso
 Komponist: William Paris Chambers (1854-1913)
 Aufnahmedatum: 11. April 1910
 Erstveröffentlichung: März 1911}} So...}}</i>
01:03, 15 March 2012	Victor-16714a-b9786.ogg (file)		2.3 MB	Pdproject	<i>{{Information Description ={{de}}=Interpret: Helen Clark (?)
 Stimmlage: Sopran
 Titel: Last Night
 Komponist: Halfdan Kjerulf (1815-1868)
 Englischer Text: Theo Marzials (1850-1920)
 Aufnahmedatum: 11. Januar 1911
 Erstveröffent...}}</i>
20:09, 13 March 2012	L anthologie sonore-18b-as41m6-80647.ogg (file)		3.06 MB	Pdproject	<i>{{Information Description ={{de}}=Gesang: Max Meili (1899-1970)
 Dirigent: Curt Sachs (1881-1959)
 Titel: Minnesänger (13e siècle)
 Inhalt: a) Kreuzfahrerlied (1228); b) Ob aller mynne
 Komponisten: a) Walther von der Vogelweide (ca. ...}}</i>

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Demonstration



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1/4" Tape

- Studio quality
- Used also as master tapes
- We got a collection of 200 tapes
- We have a Studer B67 to play them

Studer B67



- Nobody has time and space at the moment!

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Share the data

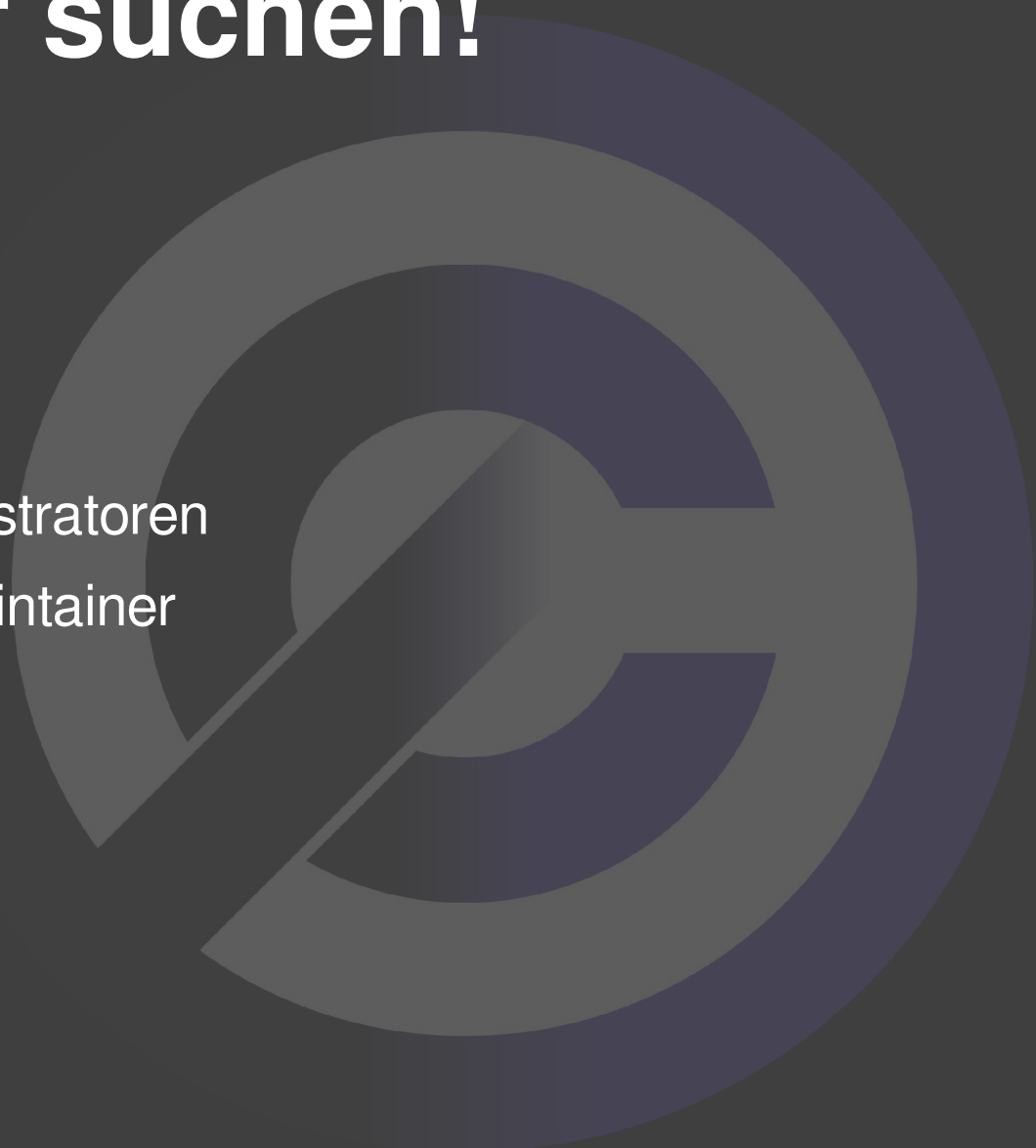
- Integration into other projects like Wikipedia
- Integration into the europeana catalog
 - Needs Dublin-Core compliant RDFa semantic data (Who is interested in SemanticMediawiki?)



- Integration into music production software as sample pool

Wir suchen!

- Helfer
 - Autoren
 - Community Betreuer
 - Linux/Mediawiki Administratoren
 - SemanticMediaWiki Maintainer
 - PHP/Perl Entwickler
 - Übersetzer
 - **Dich!**
- Sponsoren
 - Finanzierung/Spenden
 - Alte Tonträger (Schellack etc.)



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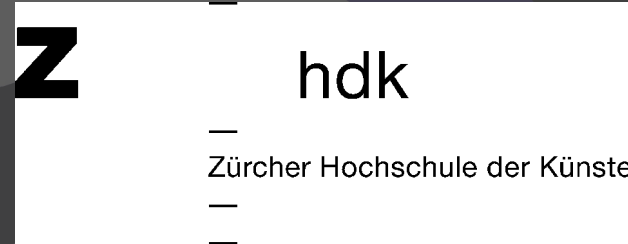
Partners



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Sponsors



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Contact

www.publicdomainproject.org

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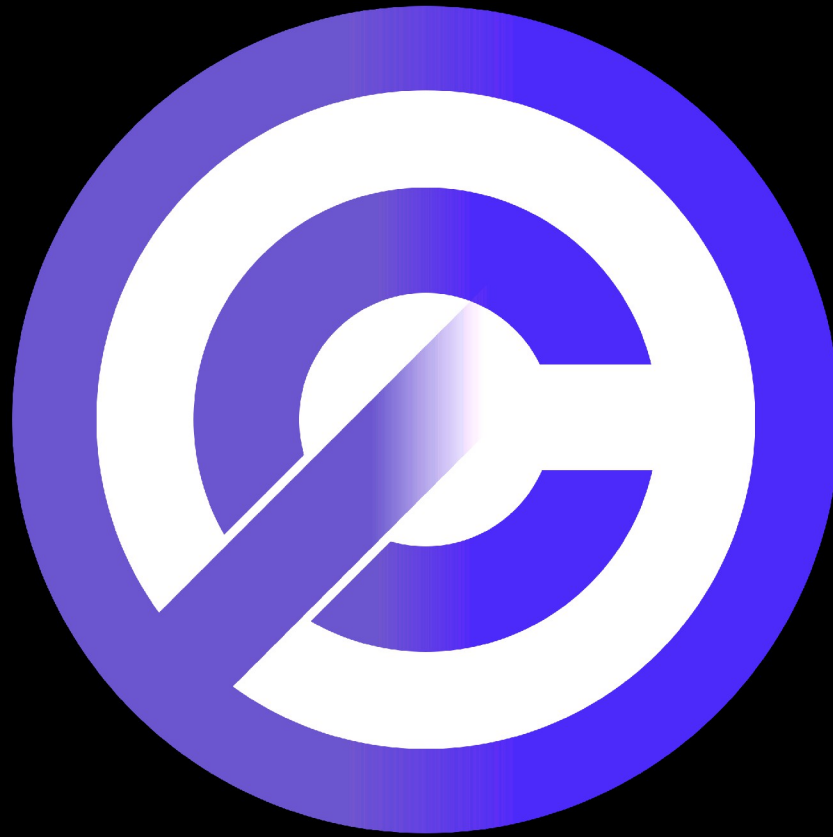
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Diskussionsrunde

Online Texteditor für unsere Notizen während
der Diskussionsrunde:

<https://piratenpad.de/GIAk1AxjDR>

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Record cleaning machines

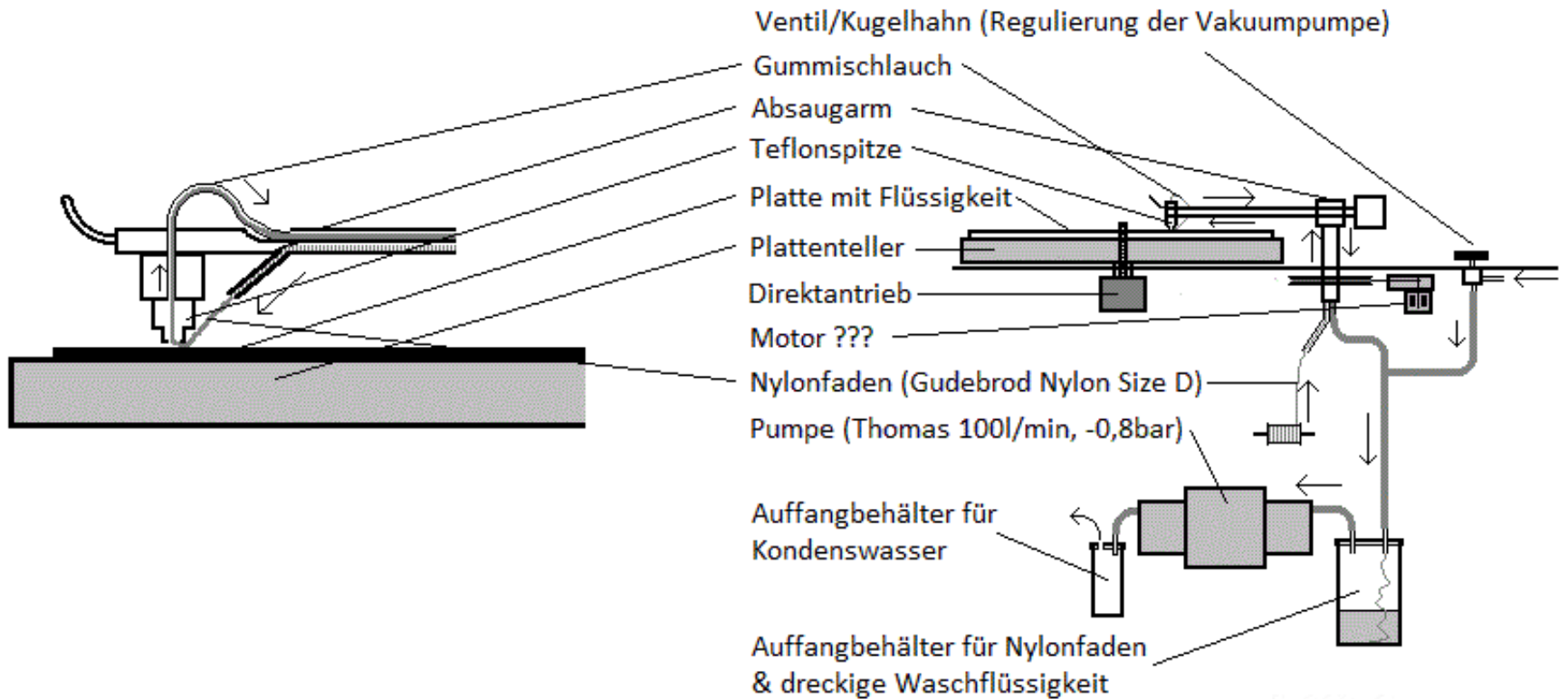


- Fast
- Simple principle
- Loud (Vacuum Cleaner!)
- Risk of scratches is higher
- Different disc diameters complicated



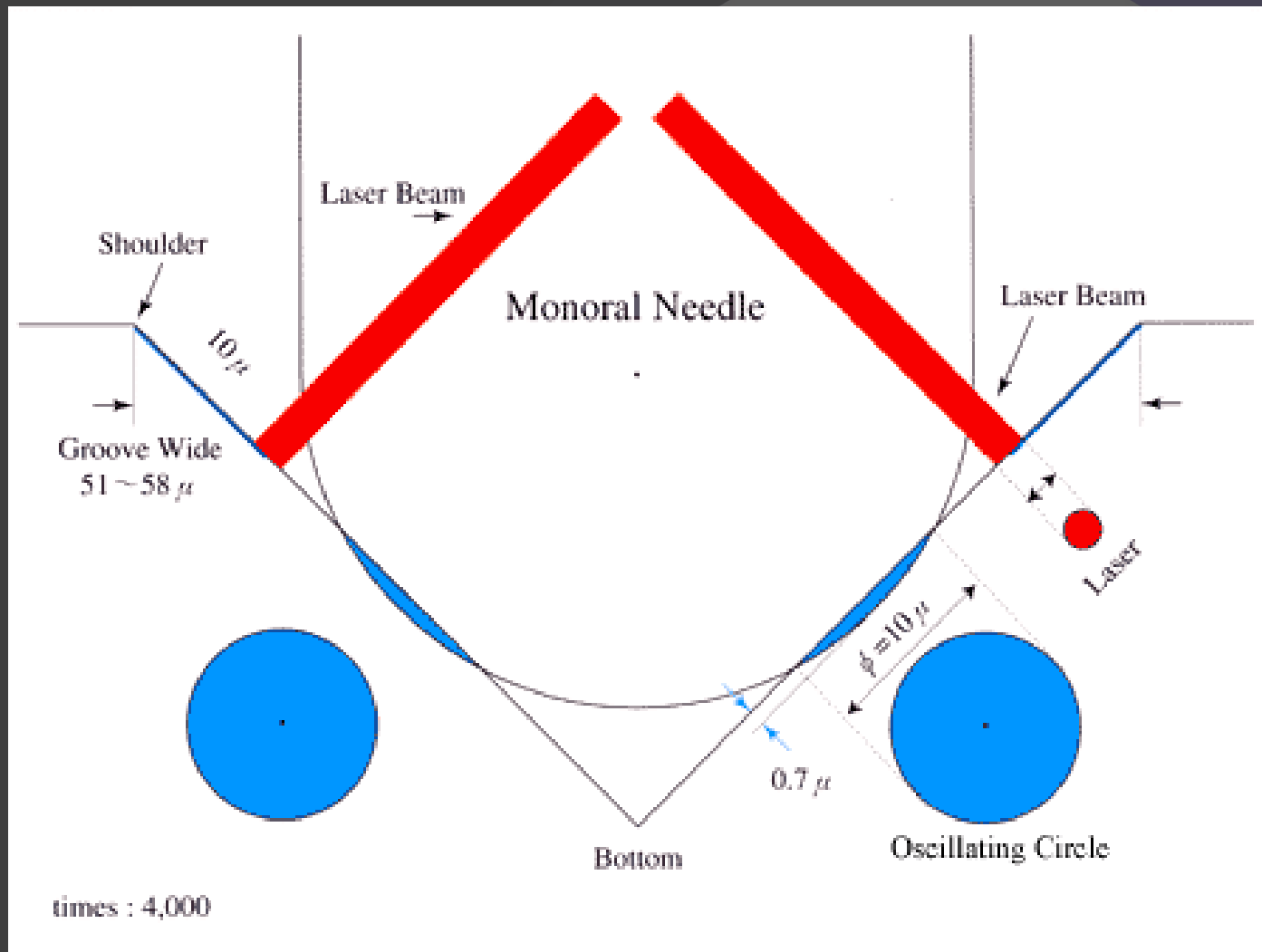
- Very good results
- Needs more control
- Not that loud
- Cheap replacement parts
- For any diameter

Record cleaning machines



Source: hifi-forum.de (Thanks to user Antiphon)

Detail: Lasterturtable



Intended audience

- Music listeners
- Musicians searching for free samples
- Artists looking for royalty free Music
- Collectors
- Music historians
- Archives

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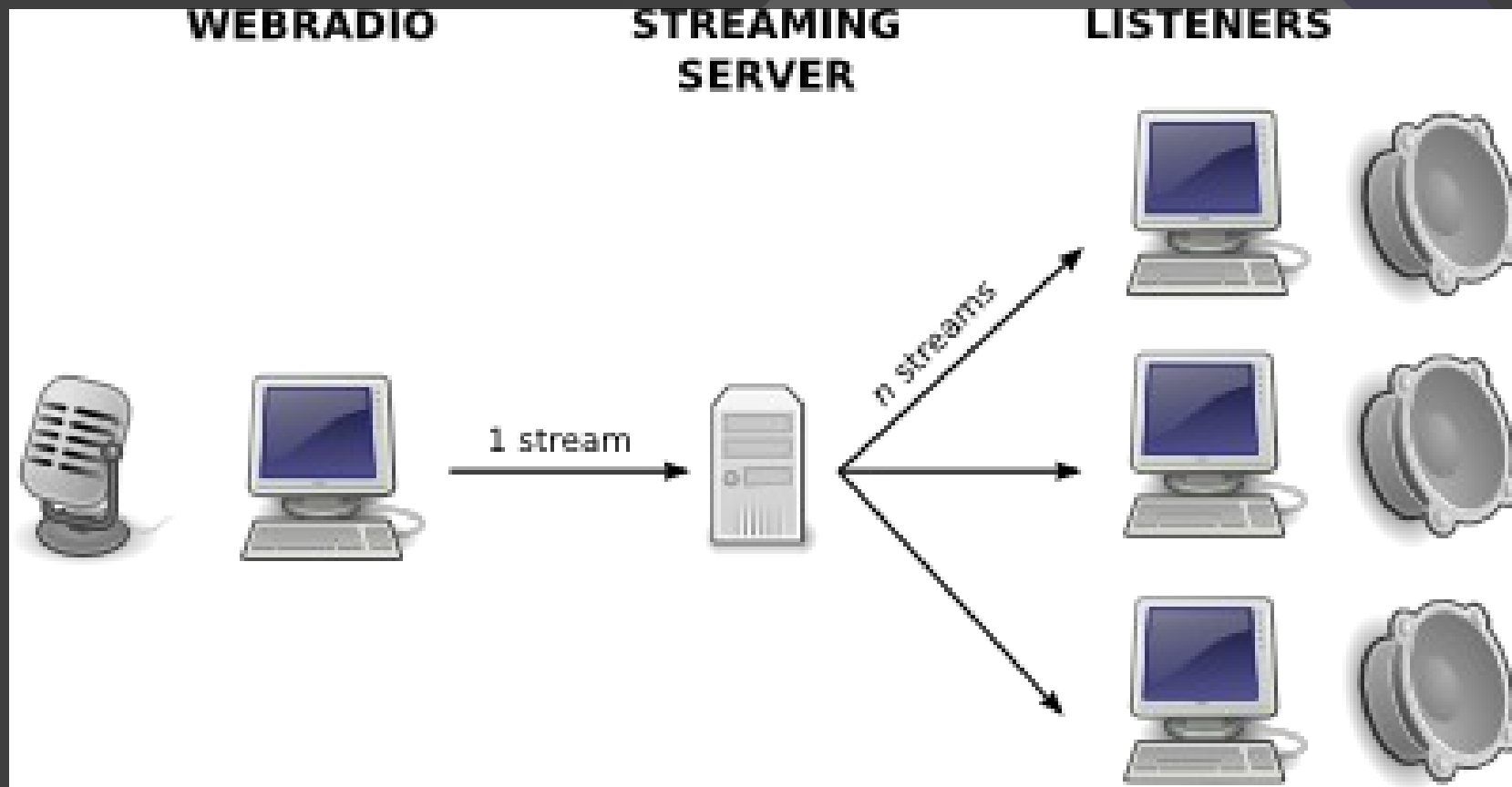
About europeana

- For users:
 - Europeana is a single access point to millions of books, paintings, films, museum objects and archival records that have been digitised throughout Europe. It is an authoritative source of information coming from European cultural and scientific institutions.
- For heritage institutions:
 - Europeana is an opportunity to reach out to more users, increase their web traffic, enhance their users' experience and build new partnerships.

Source pro.europeana.eu/about

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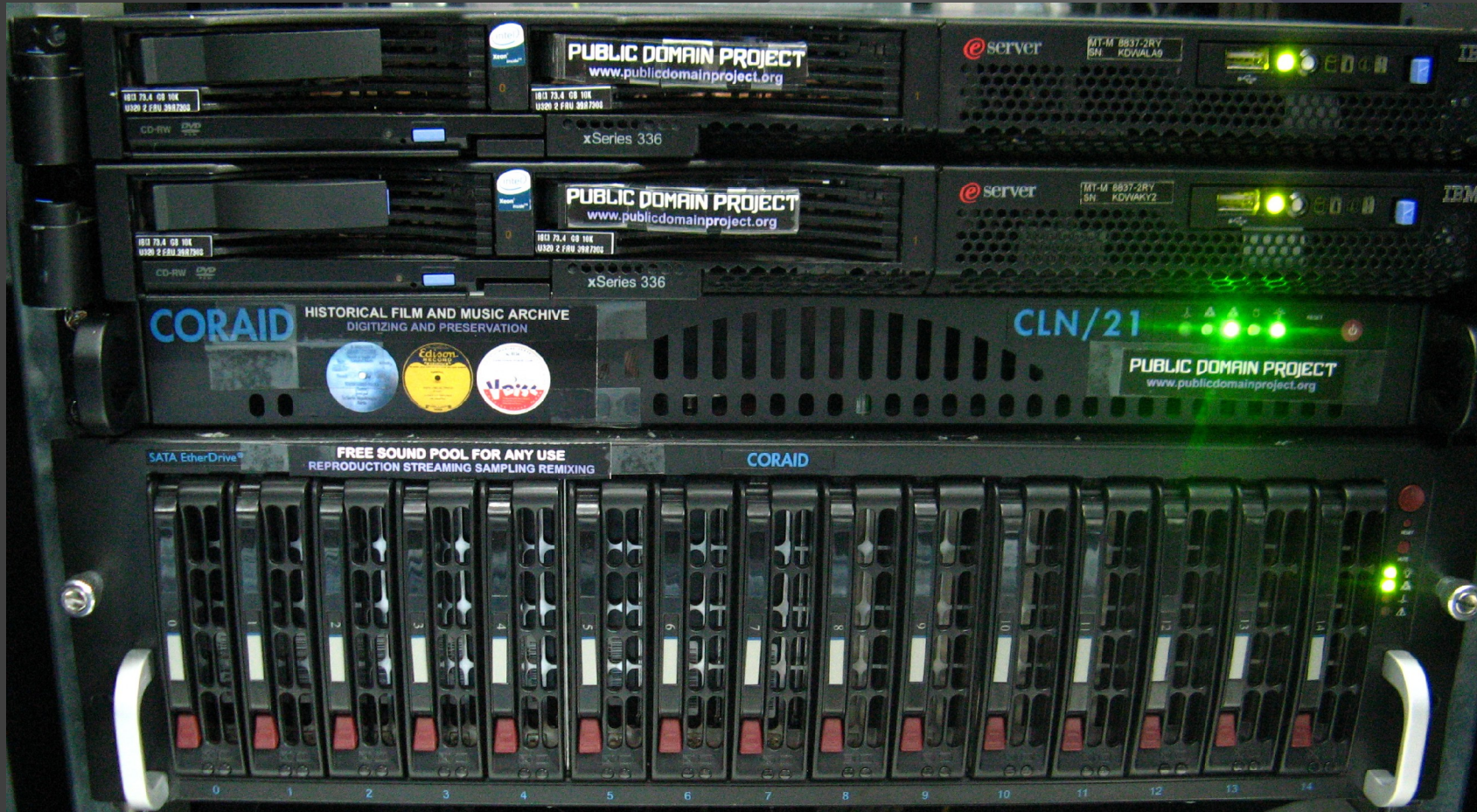
How online radio works



Source: liquidsoap.fm

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Server and Storage



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Thanks to Open Source

- VM Host:
 - Debian GNU/Linux, Virtualbox
- Web system:
 - Apache2, PHP, Mediawiki
- Radio:
 - Icecast2, Liquidsoap, LAME, FAAC
- Storage:
 - FLAC, ATA over Ethernet (AoE), LVM2, NFS

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Public Domain Project

Christoph Zimmermann

Server Administrator
Technical Support

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