

16 NOVEMBRE-17:00-17:40 H

Sala Paral·lel 62
Barcelona

KEYNOTES MUSICDATA UPC

TARDA DE MÚSICA i IA: MusicData UPC,
Festival EinESS i EIESmusic

Què són les metadades musicals?

A càrrec de Gonçal Calvo,
Head Innovation BMAT



www.musicdataupc.org



Organitza:  **EIES**  **digital fems**  **UNIVERSITAT POLITÈCNICA DE CATALUNYA BARCELONATECH**  **ANYS** **UPC** Amb el suport de:  **GOVERN DE CATALUNYA**  **MINISTERI DE CULTURA I HERETATGE**  **FECYT**  **Generalitat de Catalunya Departament de Cultura**  **ICUB Institut de Cultura**  **Ajuntament de Barcelona**



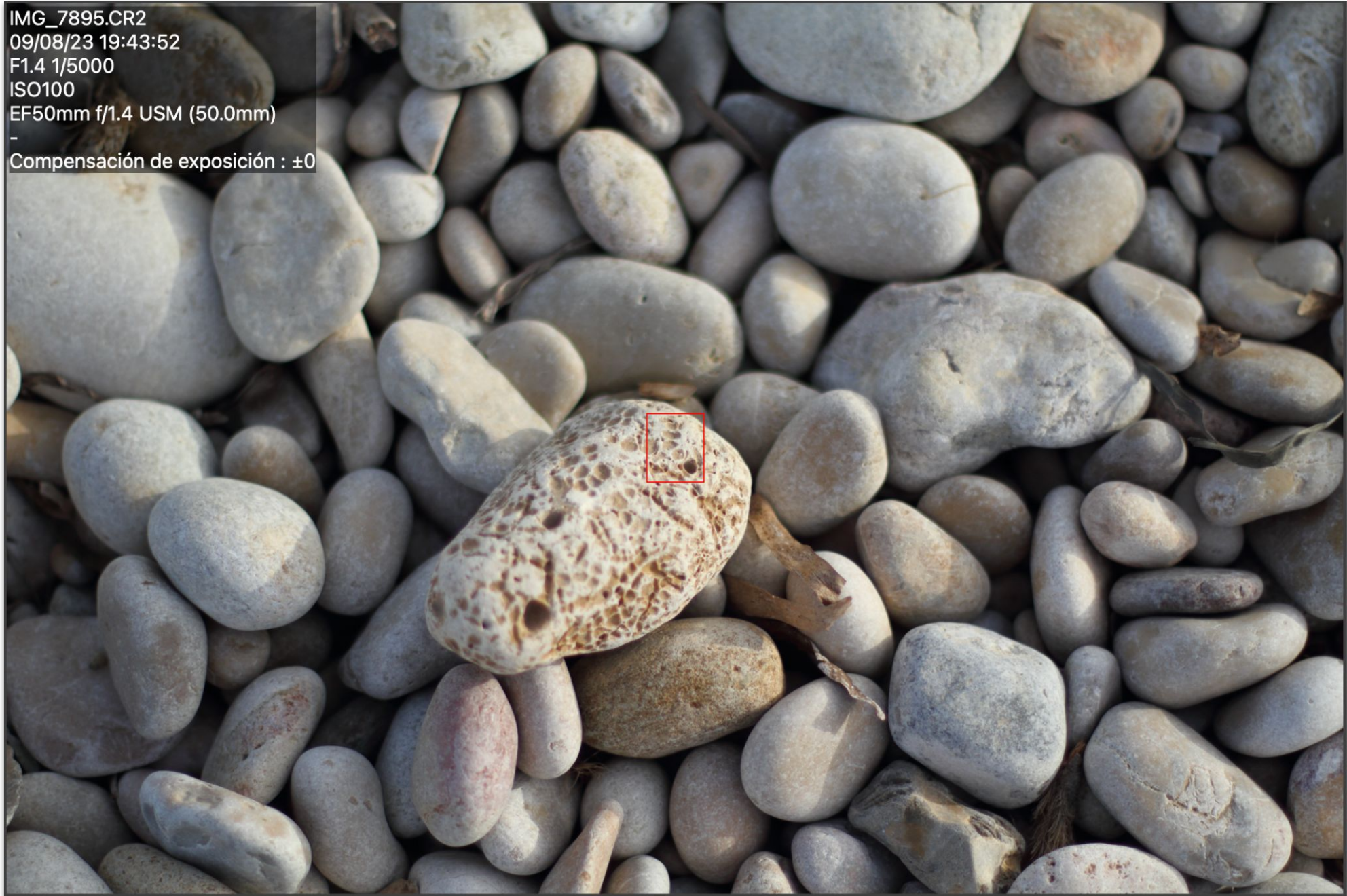
Què són les metadades?



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MUSIC INNOVATORS

Les **metadades** (de la grec *μετα*, *meta*, 'després de, més enllà de'^[1] y llatí *datum*, 'el que es dóna', «dada»^[2]), literalment «sobre dades», son dades que descriuen altres dades.

IMG_7895.CR2
09/08/23 19:43:52
F1.4 1/5000
ISO100
EF50mm f/1.4 USM (50.0mm)
-
Compensación de exposición : ±0



Paolo Orтели vs. Degree feat. Lili Rose - Moonlight Shadow (Spankers Edit)

Llista de reproducció — 0:05:40

Títol	Autor	Durada
REVELE	SILVINA ROUCO	02:08
Moonlight Shadow (Spankers Edit)	Paolo Orтели vs. Degree feat. Lili Rose	03:31

Informació multimèdia

General Detalls del còdec Estadístiques

Títol
Moonlight Shadow (Spankers Edit)

Artista
Paolo Orтели vs. Degree feat. Lili Rose

Àlbum
[Empty field]

Gènere
[Empty field]

S'està reproduint
[Empty field]

Descripció
[Empty field]

Drets d'autor
[Empty field]

Editor
[Empty field]

Codificat per
[Empty field]


Idioma
[Empty field]

Dades
2012

Número de la pista
44

Ubicació
file:///Users/gcalvo/Documents/Majors_and_Distributors/Kontor/20130313_0003/425011

Save Metadata





Quins tipus de metadades existeixen?



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Principals tipus de metadades musicals

Metadades editorials

Metadades d'identificació

Metadades descriptives

Metadades editorials

www.ritmonet.net/index.php?accion=datos_canci

Datos de la canción seleccionada

Artista: Paloma San Basilio
Estilo musical: Dance
Canción: Love Makes My World Go Round
Subtítulo:
Número: 1
Número de disco: 1
Versión:
Duración: 00:03:04
ISRC: ESD011200018
Sello: EMI
Pline: (P) 2012 The copyright in this sound recording is owned by PASABA S.L.U bajo licencia exclusiva a Emi Music Spain, S.A
Autor: Ivan Bovin Gomez San Basilio
Otros artistas:
Director:
Año de grabación: 2011
Idioma:
Grid: A 10306F0000002LJCO
Ean / Referencia: 5099964427454

Album

2010

Pau Vallvé • 2010 • 12 songs, 36 min 36 sec

▶ ❤️ ⬇️ ⋮

#	Title	Plays	🕒
1	Protagonistes Pau Vallvé	2,988,170	4:01
2	Encara No Pau Vallvé	319,423	2:55
3	Tothom Dorm Pau Vallvé	114,255	3:06
4	Vacances Pau Vallvé	138,015	3:59

Metadades d'identificació

Sound Recordings

<input type="checkbox"/> ID	Display Artist	Display Title	ISRC	Duration	ISWC
<input type="checkbox"/> 5978459d2f440577c69e46df	The Beatles	Help! - Love Version	GBAYE0601553		T0101403591
<input type="checkbox"/> 5971d0982f440577c63345db	The Beatles	Help! - Remastered 2009	GBAYE0601465	139	T0101403591
<input type="checkbox"/> 597335432f440577c65640c2	The Beatles	Help! - Remastered 2015	GBUM71505900	139	T0101403591
<input type="checkbox"/> 5b964bc5fec27ae5ef19319	The Beatles	Help!	FR96X1805656	140	T0101403591

Metadades descriptives

Exemples

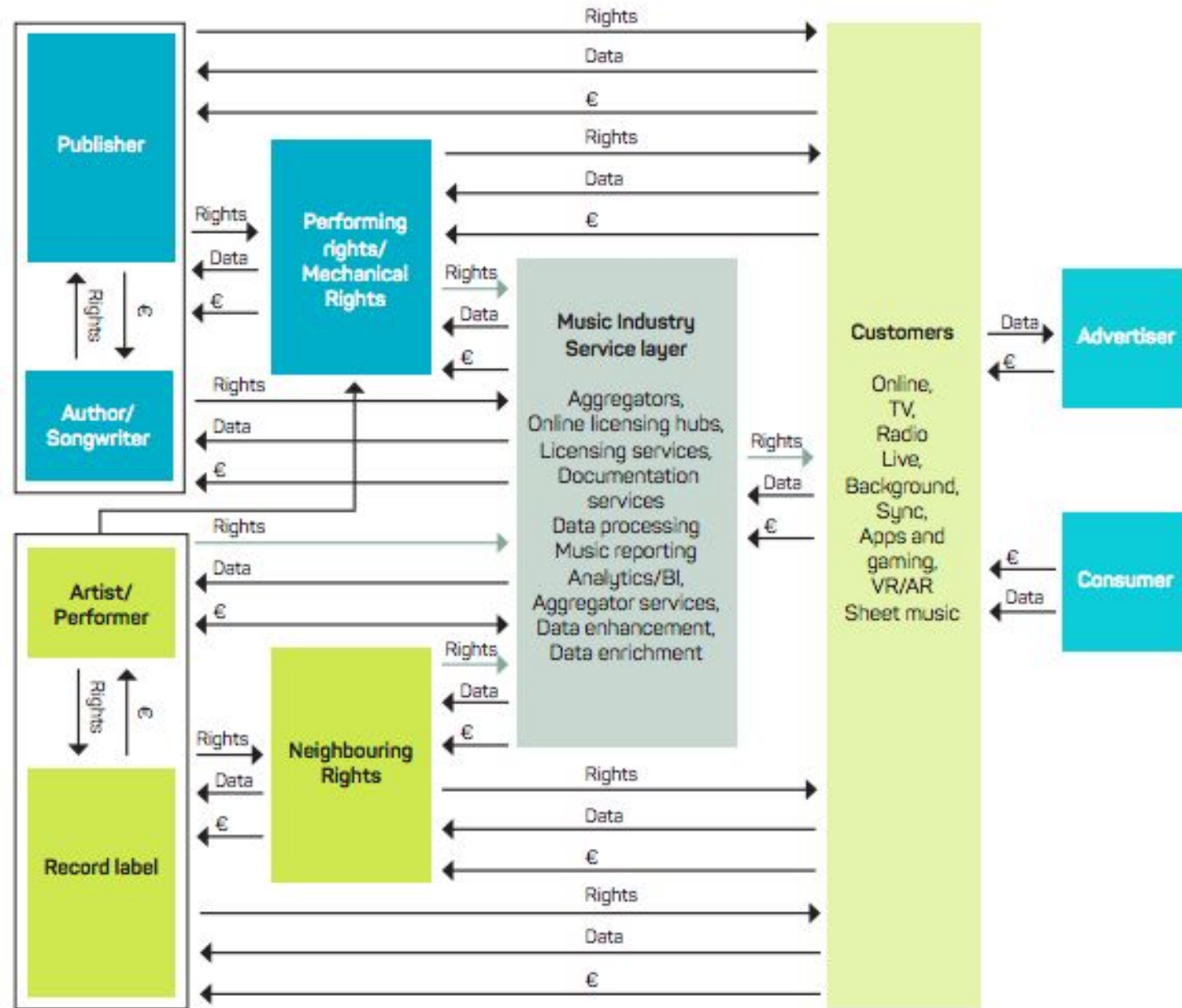
- Gènere musical (e.g., rock, jazz, rap...)
- Cultura (occidental/no occidental)
- Dançabilitat
- Tonal / atonal
- Tonalitat (e.g. do, re, mi...)
- Mode (major / menor)
- Instrumental / cantada
- Família de veu (masculina / femenina)
- BPM
- Velocitat percebuda (ràpid / normal / lenta)
- Instrument solo (clarinet, oboè, piano, saxòfon, violí, violonça...)
- Timbre (clar / fosc)
- Estudi / directe
- Fidelitat (hi-fi / lo-fi)
- Acústic, Electrònic...
- Ànim
 - Agressiu / Tranquil
 - Feliç / Trist
 - Festiu / Tranqui

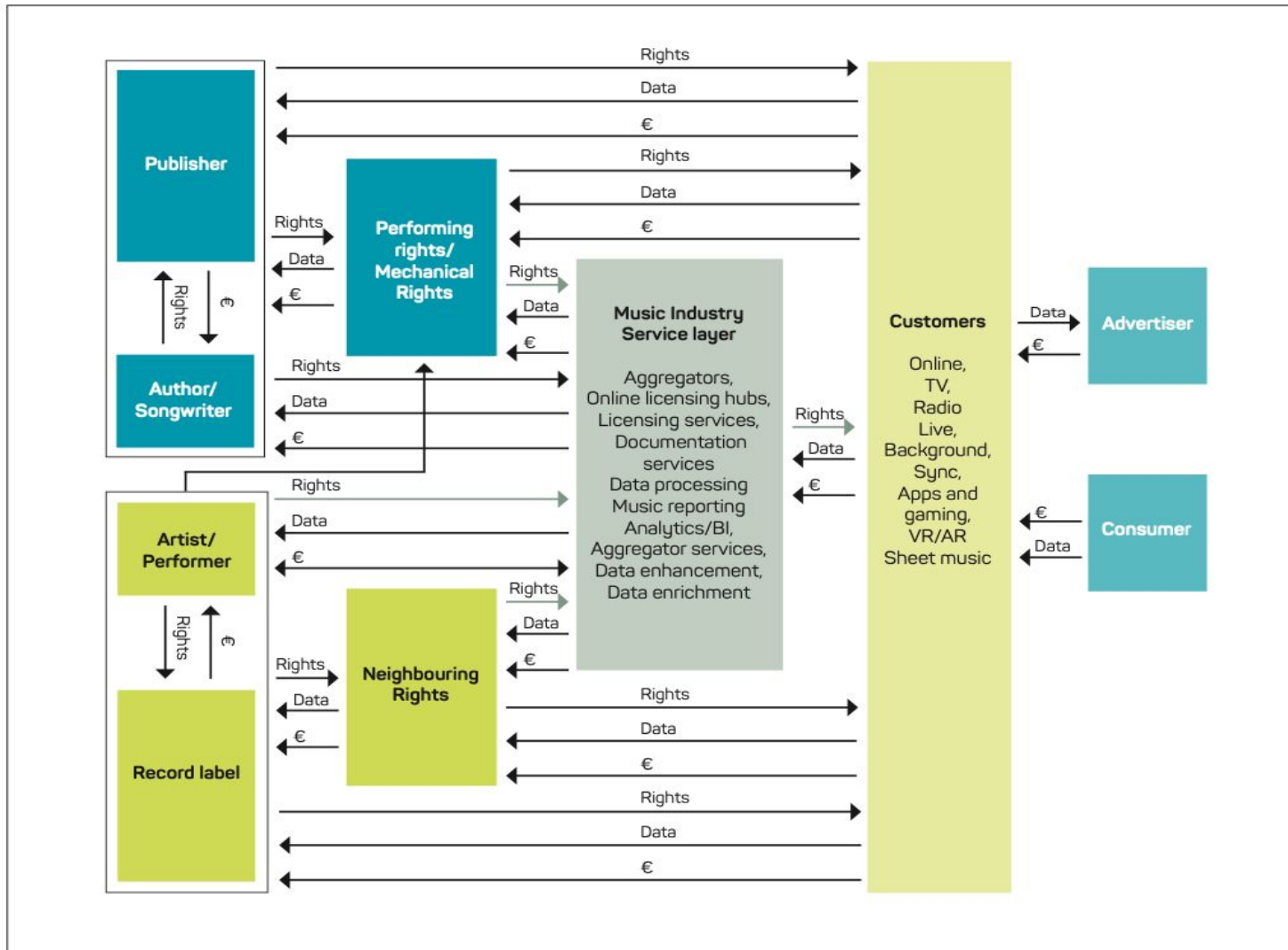


Qui genera les metadades?



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Authoring
Publishing
Performing

CMOs
Aggregators
Licensing hubs
Metadata platforms

Streaming/VOD services
Broadcasters
Live event organizers
Background music users

For Everyone

I. Get or retrieve your ISNI

Who is it for?

All the contributors associated with a creative work, including a music content, should have an ISNI. This includes both creators (performers, musicians, authors, etc.) and other actors in the industrial chain (makers, record labels, etc.), whether they are individuals or organizations.

How can I get it?

First, make sure you do not have one already:

<http://www.isni.org/search>

If you don't, simply contact a registrant agency such as

ICO <http://isnimusique.ca>

What Is It?

The International Standard Name Identifier (ISNI) is a standardized unique identifier administered by the International Standard Organisation (ISO).

It allows to distinguish homonyms and link aliases.

It serves as a link between various databases. It is recommended you send your ISNI to open databases such as MusicBrainz or Wikidata.

Work – Author – ISNI

Work – Publisher – ISNI

Track – Main Artist – ISNI

Track – Guest Artist (feat.) – ISNI

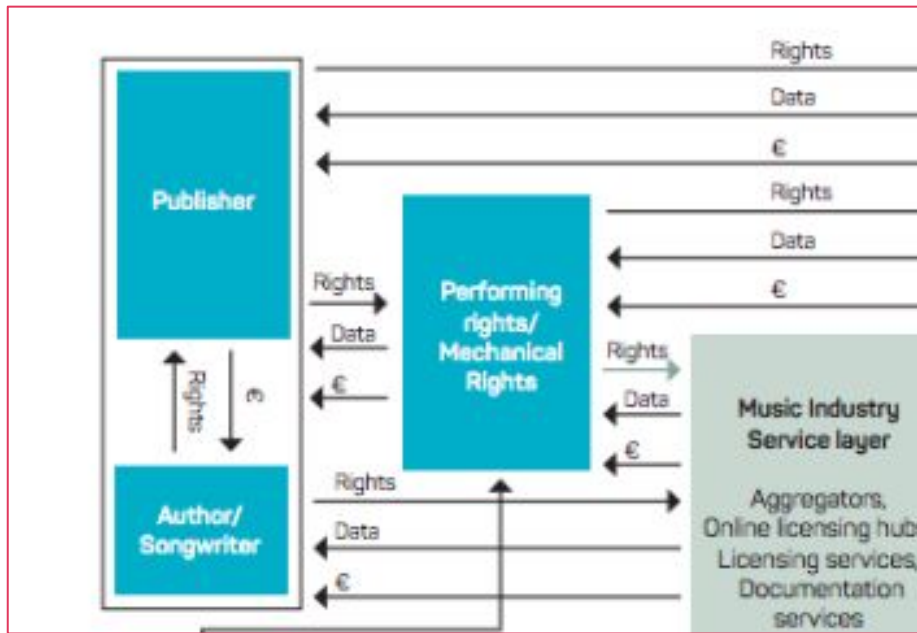
Track – Musician or Background Vocalists – ISNI

Track – First Maker – ISNI

Track – Contributor – ISNI

Product – Record Label – ISNI

Product – Contributor – ISNI



Compositors / Editors
IPI



Obra / Work / Composició
ISWC

<https://www.cisac.org/>

Performing rights -> Drets per l'ús de la música en públic (TV/Ràdio, Pel·lícules, Directes...)

Mechanical rights -> Drets per la reproducció (còpia) d'una obra tant en forma física com un CD como en streaming

ISWC & IPI

<https://iswcnet.cisac.org/>

Preferred ISWC ▼	Original Title ▼	Rank ▼	Creator Name(s)	IP Name Number	
T-042.821.030-3	PROTAGONISTES	1	VALLVE NAVARRO PAU	00460786631	⋮ View Less

Titles:

All titles	Type
PROTAGONISTES	OT
PROTAGONISTES	TO

Creators:

Creator Name(s)	IP Name Number	Affiliation	Rolled Up Role
VALLVE NAVARRO PAU	00460786631	SGAE	C (C,A,CA)

II. Get or retrieve your IPI

Who is it for?

Authors, composers and publishers of a musical work.

Work – Author– IPI

How can I get it?

To obtain your IPI, you must register as a member with a Collective Management Organization such as SOCAN.

Work – Publisher – IPI

An IPI will be assigned to you automatically.

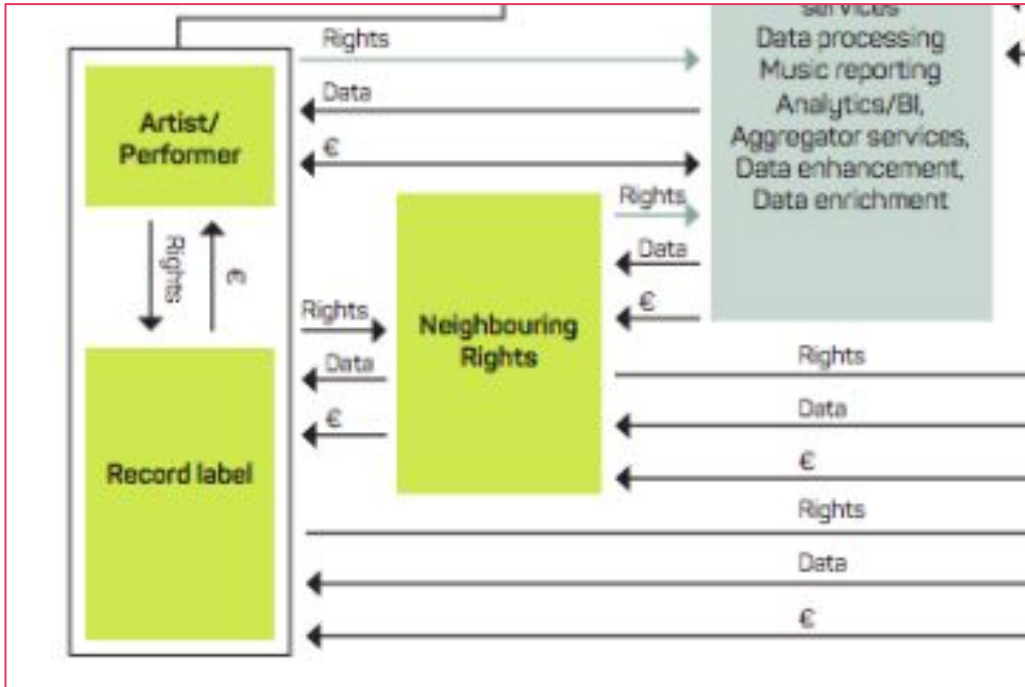
If you already are a member of SOCAN, you can retrieve your IPI number by logging into your profile on their web site.

<http://www.socan.com/fr/>

What Is It?

The Interested Parties Information (IPI) is a unique identifier for authors, composers, publishers, arrangers, adaptors and translators.

It is useful to Collective Management Organizations in order to properly distribute royalties amongst the various rights holders.



Track / Màster / Sound Recording

Artista / Intèrpret

Segell discogràfic

S C A P R



IPN

ISRC

Neighbouring rights -> Drets d'exploració del màster on s'interpreta una obra

The structure of ISRC comprises 12 alphanumeric characters, formed of three code elements:

**—
STRUCTURE**

Hover over the ISRC for a breakdown of the code

ISRC AA-6Q7-20-00047

For Performers (Singers, Musicians)

III. Get or retrieve your IPN

Who is it for?

Performers: singers or musicians.

How can I get it?

To obtain your IPN, you must register as a member with a Collective Management Organization for performers who is a member of SCAPR, such as ARTISTI. An IPN will be assigned to you automatically.

<https://www.artisti.ca/en>

The IPN is not public. To access it, you need to make a request to your Collective Management Organization.

What Is It?

The International Performer Number (IPN) is a unique identifier for performers: singers or musicians.

It is useful to Collective Management Organizations for performers in order to properly distribute royalties amongst their rights holders by distinguishing people with the same names.

Track – Main Artist – IPN

Track – Guest Artist (feat.) – IPN

Track – Musician or Background Vocalists – IPN

GRAVACIÓ
SOUND RECORDING



OBRA
WORK



Writer	Publisher	RoyaltyAdministrator	SubPublisher	Affiliation	Mechanical		Performance		
					Own %	Coll %	Affiliation	Own %	Coll %
MCCARTNEY PAUL JAMES	SONY/ATV TUNES LLC	SONY/ATV MUSIC PUBLISHING LLC		NS			PR	25.0	25.0
				HARRY FOX AGENCY	50.0		ASCAP	25.0	
				NS			NS		
LENNON JOHN WINSTON	SONY/ATV TUNES LLC	SONY/ATV MUSIC PUBLISHING LLC		NS			PR	25.0	25.0
				HARRY FOX AGENCY	50.0		ASCAP	25.0	
				NS			NS		

1 ISWC -> múltiples ISRC

Sound Recordings

<input type="checkbox"/> ID	Display Artist	Display Title	ISRC	Duration	ISWC
<input type="checkbox"/> 5978459d2f440577c69e46df	The Beatles	Help! - Love Version	GBAYE0601553		T0101403591
<input type="checkbox"/> 5971d0982f440577c63345db	The Beatles	Help! - Remastered 2009	GBAYE0601465	139	T0101403591
<input type="checkbox"/> 597335432f440577c65640c2	The Beatles	Help! - Remastered 2015	GBUM71505900	139	T0101403591
<input type="checkbox"/> 5b964bc5fec27ae5ef19319	The Beatles	Help!	FR96X1805656	140	T0101403591



**Per a què
serveixen?**



bmat
MUSIC INNOVATORS













home > [search results](#)

Search Results

▶ LAUNCH PLAYER

Artist/Album	Track	Date/Genre	Listen	Rel.	1 2 Next More
 John Brown's Body This Day	👉 Satisfaction Feeling	12.31.69		0.63	🔍 more like this + add to My Playlists
 Bob Marley Trench Town Rock	👉 Mr. Chatterbox	12.31.69		0.63	🔍 more like this + add to My Playlists
 DJ Roll Call DJ Roll Call	👉 Gi Wi Some Love	12.31.69		0.63	🔍 more like this + add to My Playlists
 Bob Marley The Complete Lee "Scratch" Perry Sessions	👉 Shocks Of Mighty (Dub Version)	12.31.69		0.62	🔍 more like this + add to My Playlists

DISCOVER SEARCH

Discover Music ⓘ

FIND A SONG THAT SOUNDS LIKE:
e.g. Bob Marley One Love

Genre

Region

Mood


TIMEFRAME:

by Release Date: 1940 - 2008

TEMPO RANGE:
[slow](#) | [medium](#) | [fast](#)

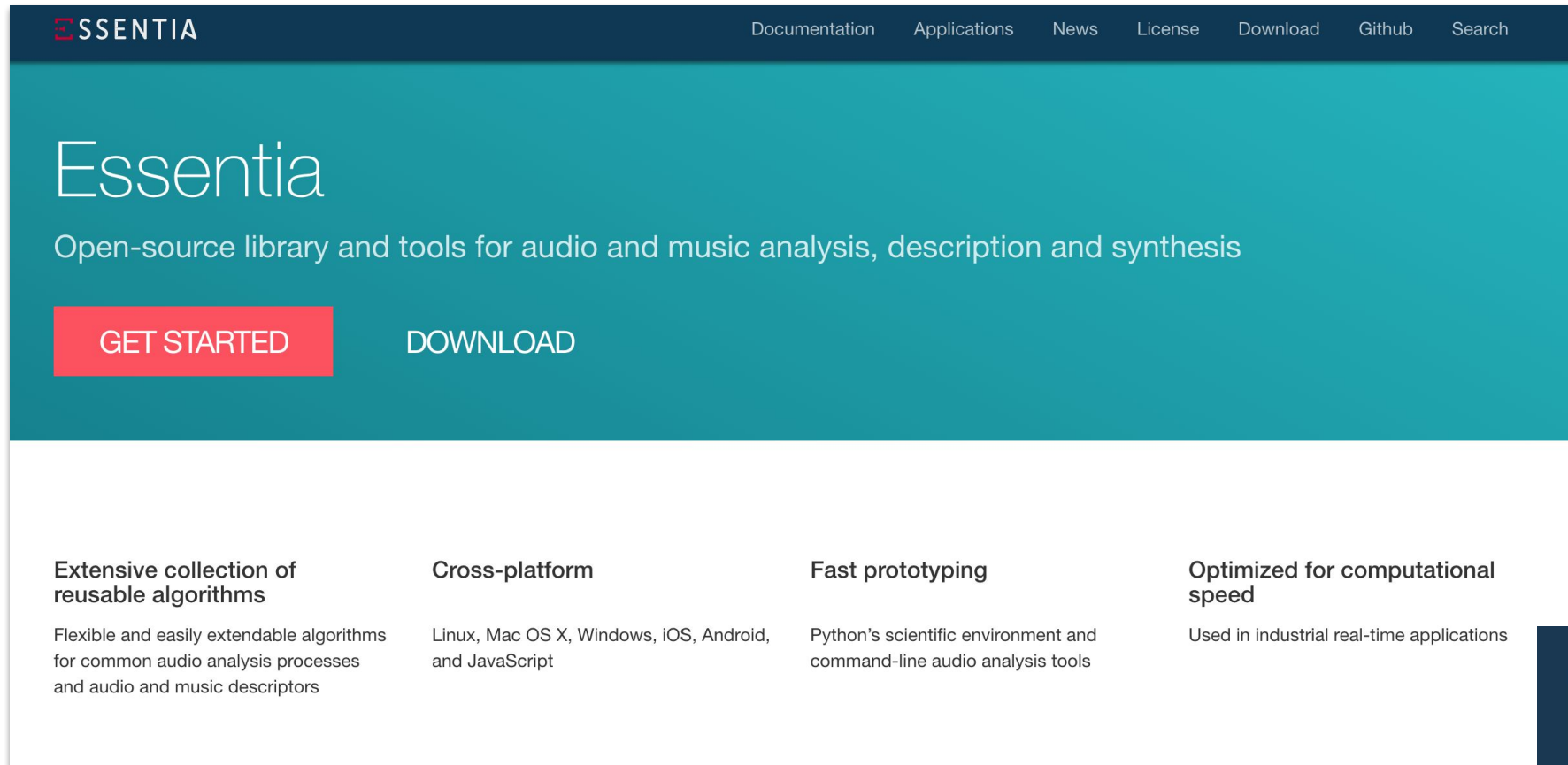
by BPMs: 50 - 200

SEARCH

RESET ALL powered by 

Extracció de descriptors. Anàlisi d'àudio

Algoritmes d'IA permeten determinar certes característiques de baix i alt nivell de la música analitzant-ne l'àudio



The screenshot shows the homepage of the Essentia project. At the top, there is a dark blue navigation bar with the 'ESSENTIA' logo on the left and links for 'Documentation', 'Applications', 'News', 'License', 'Download', 'Github', and 'Search' on the right. Below the navigation bar is a large teal banner with the word 'Essentia' in a large white font. Underneath the banner, the text reads 'Open-source library and tools for audio and music analysis, description and synthesis'. There are two buttons: a red 'GET STARTED' button and a white 'DOWNLOAD' button. Below the banner, there are four columns of text describing the project's features: 'Extensive collection of reusable algorithms', 'Cross-platform', 'Fast prototyping', and 'Optimized for computational speed'. Each column has a brief description of the feature. At the bottom right of the screenshot, there is a dark blue footer containing the 'upf.' logo, the text 'Universitat Pompeu Fabra Barcelona', and the 'MTG Music Technology Group' logo.



Universitat
Pompeu Fabra
Barcelona

MTG
Music Technology
Group

Metadades descriptives. Aplicació

Exploració de catàleg i motors de recomanació musical























Per a tots els descriptors es donen valors de probabilitat de 0 a 1

```
['thpcp', 'hpcp', 'chords_number_rate', 'key_strength', 'tuning_nontempered_energy_ratio', 'key_mode', 'chords_histogram',  
'chords_key', 'tuning_diatonic_strength', 'chords_changes_rate', 'chords_progression', 'chords_mode', 'chords_strength',  
'key_key', 'tuning_equal_tempered_deviation', 'tuning_frequency', 'inharmonic', 'odd2evenharmonicenergyratio',  
'pitch_max_to_total',  
'tristimulus', 'pitch_centroid', 'pitch_min_to_total', 'pitch_after_max_to_before_max_energy_ratio', 'oddtievenharmonicenergyratio',  
'spectral_complexity', 'silence_rate_20dB', 'average_loudness', 'pitch', 'spectral_kurtosis', 'barkbands_kurtosis',  
'spectral_spread',  
'spectral_rms', 'dissonance', 'spectral_energyband_high', 'spectral_skewness', 'spectral_flux', 'silence_rate_30dB',  
'spectral_energyband_middle_high',  
'barkbands_spread', 'spectral_centroid', 'pitch_salience', 'silence_rate_60dB', 'spectral_rolloff', 'barkbands',  
'spectral_energyband_low',  
'barkbands_skewness', 'pitch_instantaneous_confidence', 'spectral_energyband_middle_low', 'spectral_strongpeak', 'hfc', 'mfcc',  
'spectral_energy',  
'spectral_flatness_db', 'zerocrossingrate', 'spectral_decrease', 'spectral_crest', 'beats_loudness', 'first_peak_spread',  
'bpm_confidence',  
'bpm_intervals', 'perceptual_speed', 'onset_rate', 'second_peak_spread', 'rubato_stop', 'first_peak_bpm', 'onset_times',  
'rubato_start',  
'second_peak_weight', 'bpm', 'complexity', 'bpm_estimates', 'beats_loudness_bass', 'second_peak_bpm', 'beats_position',  
'first_peak_weight',  
'ballroom_classes_samba', 'solo_instrument_violin_classes_not_violin', 'rosamerica_classes_rhy', 'solo_instrument_piano_  
classes_not_piano',  
'rosamerica_classes_cla', 'moods_acoustic', 'moods_aggressive_probability', 'Dortmund_classes_electronic', 'fidelity',  
'Dortmund_probability',  
'tonal_atonal_classes_atonal', 'solo_instrument_violin_classes_violin', 'voice_instrumental', 'fidelity_mp3_classes_hifi',
```



VERICAST

Reporte [Generar Reporte](#)

CUANDO	DURACIÓN	CANAL	REF. TOCADA	TÍTULO/ARTISTA
21/06/21 - 20:28:40	01:20	MegaStar...	 	Chain My Heart por Topic X Bebe Rexha
21/06/21 - 20:27:59	00:46	Cadena 100	 	Don't Worry por Madcon Feat. Ray Dalton
21/06/21 - 20:25:07	03:05	MegaStar...	 	Rasputin por Majestic X Boney M
21/06/21 - 20:24:32	03:23	Cadena 100	 	Take On Me (Remastered Album Versio...
21/06/21 - 20:23:23	01:09	Flaixbac	 	Barcelona Tropical por Suu
21/06/21 - 20:22:06	02:36	MegaStar...	 	Djadja por Aya Nakamura
21/06/21 - 20:21:07	03:19	Cadena 100	 	Higher Power por Coldplay
21/06/21 - 20:19:13	03:17	Flaixbac	 	Save Your Tears por The Weeknd
21/06/21 - 20:19:04	02:58	MegaStar...	 	Cloudy Day por Tones And I
21/06/21 - 20:18:22	00:37	Els40 (Bar...	 	I Knew You Were Trouble por Taylor Swift
21/06/21 - 20:18:18	00:03	Flaixbac	 	Ets Tu por Mosaic

PANEL

- Panel

BROADCAST

- Artista
- Temas Principales
- Top Lanzamientos
- Canales
- Compañía
- Reporte**
- FCF

BÚSQUEDA

- Nueva Búsqueda

ENTITATS DE GESTIÓ DE DRETS

VERICAST

Reporte [Generar Reporte](#)

CUANDO	DURACIÓN	CANAL	REF. TOCADA	TÍTULO/ARTISTA
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BÚSQUEDA

- Nueva Búsqueda

TVs i Anuncis

Establiments públics



ENTITATS DE GESTIÓ DE DRETS

VERICAST

Reporte [Generar Reporte](#)

CUANDO	DURACIÓN	CANAL	REF. TOCADA	TÍTULO/ARTISTA
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PANEL

- Panel

BROADCAST

- Artista
- Temas Principales
- Top Lanzamientos
- Canales
- Compañía
- Reporte**
- FCF

BÚSQUEDA

- Nueva Búsqueda

TVs i Anuncis

Establiments públics

Digital (música)



DSP	Service
	music
	SRMF
DSP TikTok	TIKTOK
	Facebook Masterlist

ENTITATS DE GESTIÓ DE DRETS

VERICAST						
Reporte Generar Reporte						
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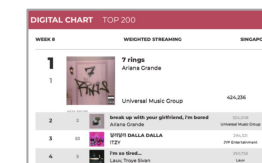
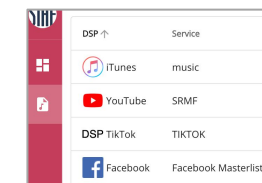
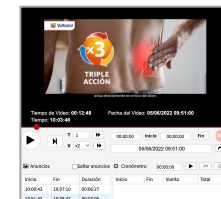
ENTITATS DE GESTIÓ DE DRETS

TVs i Anuncis

Establiments públics

Digital (música)

Charts



VERICAST

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21/06/21 - 20:22:06	02:36	MegaStar...		Djadja por Aya Nakamura
21/06/21 - 20:21:07	03:19	Cadena 100		Higher Power por Coldplay
21/06/21 - 20:19:13	03:17	Flaixbac		Save Your Tears por The Weeknd
21/06/21 - 20:19:04	02:58	MegaStar...		Cloudy Day por Tones And I
21/06/21 - 20:18:22	00:37	Els40 (Bar...		I Knew You Were Trouble por Taylor Swift
21/06/21 - 20:18:18	00:03	Flaixbac		Ets Tu por Mosaic

PANEL

- Panel

BROADCAST

- Artista
- Temas Principales
- Top Lanzamientos
- Canales
- Compañía
- Reporte**
- FCF

BÚSQUEDA

- Nueva Búsqueda

ENTITATS DE GESTIÓ DE DRETS

TVs i Anuncis

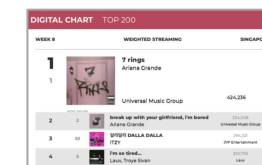
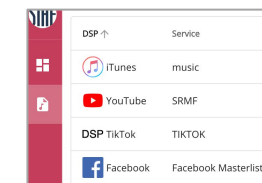
Establiments públics

Digital (música)

Charts

Digital (VoD)

Serveis de Back Office



VERICAST

Reporte Generar Reporte

CUANDO	DURACIÓN	CANAL	REF. TOCADA	TÍTULO/ARTISTA
21/06/21 - 20:28:40	01:20	MegaStar...		Chain My Heart por Topic X Bebe Rexha
21/06/21 - 20:27:59	00:46	Cadena 100		Don't Worry por Madcon Feat. Ray Dalton
21/06/21 - 20:25:07	03:05	MegaStar...		Rasputin por Majestic X Boney M
21/06/21 - 20:24:32	03:23	Cadena 100		Take On Me (Remastered Album Versio...
21/06/21 - 20:23:23	01:09	Flaixbac		Barcelona Tropical por Suu
21/06/21 - 20:22:06	02:36	MegaStar...		Djadja por Aya Nakamura
21/06/21 - 20:21:07	03:19	Cadena 100		Higher Power por Coldplay
21/06/21 - 20:19:13	03:17	Flaixbac		Save Your Tears por The Weeknd
21/06/21 - 20:19:04	02:58	MegaStar...		Cloudy Day por Tones And I
21/06/21 - 20:18:22	00:37	Els40 (Bar...		I Knew You Were Trouble por Taylor Swift
21/06/21 - 20:18:18	00:03	Flaixbac		Ets Tu por Mosaic

PANEL

- Panel

BROADCAST

- Artista
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BÚSQUEDA

- Nueva Búsqueda

ENTITATS DE GESTIÓ DE DRETS

Editorials

Segells discogràfics

TVs i Anuncis

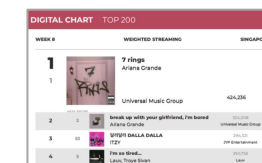
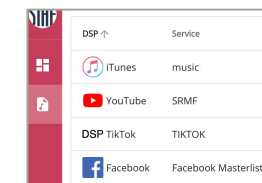
Establiments públics

Digital (música)

Charts

Digital (VoD)

Serveis de Back Office



2006

2010

2012

2013

2014

2015

2017

2018



VERICAST

Reporte Generar Reporte

CUANDO	DURACIÓN	CANAL	REF. TOCADA	TÍTULO/ARTISTA
21/06/21 - 20:28:40	01:20	MegaStar...		Chain My Heart por Topic X Bebe Rexha
21/06/21 - 20:27:59	00:46	Cadena 100		Don't Worry por Madcon Feat. Ray Dalton
21/06/21 - 20:25:07	03:05	MegaStar...		Rasputin por Majestic X Boney M
21/06/21 - 20:24:32	03:23	Cadena 100		Take On Me (Remastered Album Versio...
21/06/21 - 20:23:23	01:09	Flaixbac		Barcelona Tropical por Suu
21/06/21 - 20:22:06	02:36	MegaStar...		Djadja por Aya Nakamura
21/06/21 - 20:21:07	03:19	Cadena 100		Higher Power por Coldplay
21/06/21 - 20:19:13	03:17	Flaixbac		Save Your Tears por The Weeknd
21/06/21 - 20:19:04	02:58	MegaStar...		Cloudy Day por Tones And I
21/06/21 - 20:18:22	00:37	Els40 (Bar...		I Knew You Were Trouble por Taylor Swift
21/06/21 - 20:18:18	00:03	Flaixbac		Ets Tu por Mosaic

ENTITATS DE GESTIÓ DE DRETS

Editorials

Segells discogràfics

Emissores televisió i ràdio

TVs i Anuncis

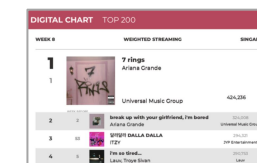
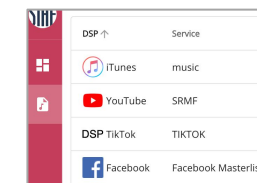
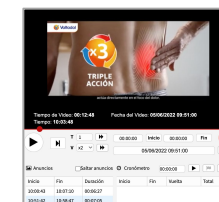
Establiments públics

Digital (música)

Charts

Digital (VoD)

Serveis de Back Office



2006

2010

2012

2013

2014

2018



2015

2017

2021

VERICAST

Reporte Generar Reporte

CUANDO	DURACIÓN	CANAL	REF. TOCADA	TÍTULO/ARTISTA
21/06/21 - 20:28:40	01:20	MegaStar...		Chain My Heart por Topic X Bebe Rexha
21/06/21 - 20:27:59	00:46	Cadena 100		Don't Worry por Madcon Feat. Ray Dalton
21/06/21 - 20:25:07	03:05	MegaStar...		Rasputin por Majestic X Boney M
21/06/21 - 20:24:32	03:23	Cadena 100		Take On Me (Remastered Album Versio...
21/06/21 - 20:23:23	01:09	Flaixbac		Barcelona Tropical por Suu
21/06/21 - 20:22:06	02:36	MegaStar...		Djadja por Aya Nakamura
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21/06/21 - 20:18:18	00:03	Flaixbac		Ets Tu por Mosaic

PANEL

- Panel
- BROADCAST**
 - Artista
 - Temas Principales
 - Top Lanzamientos
 - Canales
 - Compañía
 - Reporte**
 - FCF
- BÚSQUEDA**
 - Nueva Búsqueda

ENTITATS DE GESTIÓ DE DRETS

Editorials

Segells discogràfics

Emissores televisió i ràdio

DSPs

TVs i Anuncis

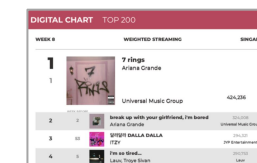
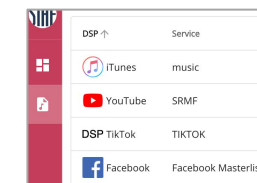
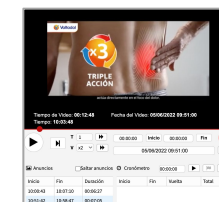
Establiments públics

Digital (música)

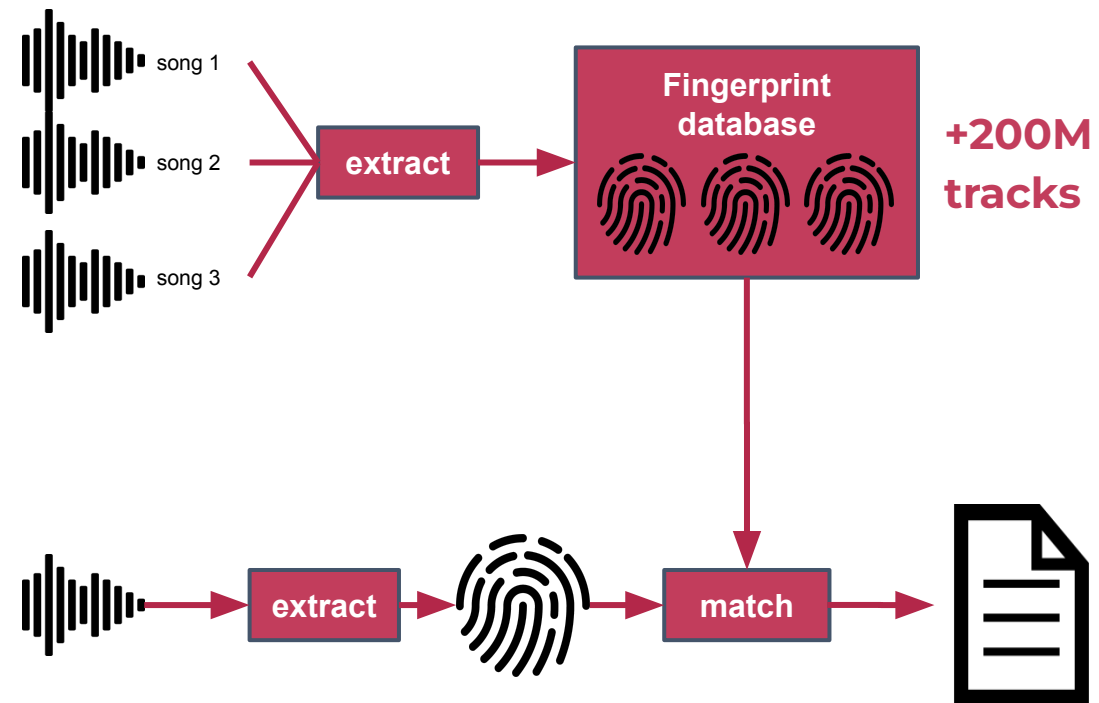
Charts

Digital (VoD)

Serveis de Back Office



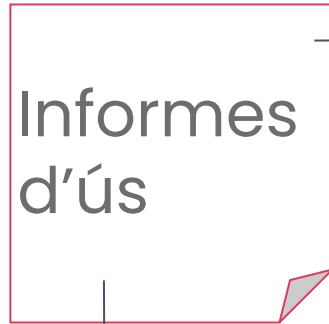
MUSIC MONITORING AND RECOGNITION



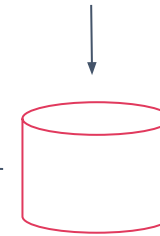
MUSIC MONITORING AND RECOGNITION

artist_name	title	start_time	end_time	confidence
Albert Alay	PolòniaCaretà	0:00:00	0:00:12	188
Oliver Jackson, Jackson Taylor	As We Are	0:00:45	0:00:57	5,33
Jordan Kareem Rees	Escape Plan	0:04:13	0:04:28	13,33
Lawrence James Oakley	Trinkets	0:15:24	0:15:32	16
The Beach Boys	Surfin' U.S.A. (Backing Track) (2001 Digital Remaster)	0:15:35	0:16:45	36,27
Thomas David Cooper, John Rowcroft	Fronds Like These (sting a)	0:16:45	0:16:51	26,5
Shirley Ellis	The Clapping Song (Clap-Pat-Clap-Slap)	0:16:54	0:17:01	14,5

Exemple de línia d'informe d'ús



Emisora	Data	Programa	Tema	Artista
Cadena Ser	12/02/23	Hoy por hoy	Help	Los Beatles



Help
(Work)
ISWC
T0101403591

€€
€

total ús

preu per
reproducció

25% PRS -> Jonh Lennon
25% ASCAP -> Sony/ATV (John Lennon's Publisher)
25% PRS -> Paul McCartney
25% ASCAP -> Sony/ATV (Paul McCartney's Publisher)

Dashboard de monitorització

UPM
Settings | Support | Logout
VERICAST

DASHBOARD

Dashboard

BROADCAST

- Artists
- Top Tracks
- Track List
- Channels
- Labels
- Ads
- Ads Report
- Music Report
- TV Report
- Editor


SEARCH

New Search

Top Tracks Q


NO.	TREND	REF.	TITLE/ARTIST	LABEL	PLAYCOUNT
1	NEW	▶	Feel Much Better Now by Joel Evans, Martha Bean	FOCUS SONGS	915
2	↓ -1	▶	Boot Bangin by Gus G, Kully Bhamra	INSIDE TRACKS	753
3	▬	▶	Dark Obsessions by Magnum Opus	VOLTA MUSIC	658
4	↑ 4	▶	Breathe by Alistair Hetherington, Lawrence Autie	CHAPPELL GRAND STAGE	607
5	↓ -1	▶	Sugar High by Henry Parsley	BRUTON	597
6	NEW	▶	Surprise Cha Cha Cha by Alec Gould	BRUTON	544
7	↑ 2	▶	Let Me Hear You Say Hey by Paul Emmanuel	BRUTON	528
8	↓ -2	▶	Faux Rawk by John Hunter Jr, Jonathan Slott, Nicholas Seeley	ONEMUSIC	514
9	↓ -2	▶	Off The Beaten Path by Benjamin Krause	SPOT ON	509
10	NEW	▶	Moth To A Flame by Christian Tschuggnall, Michael Edwards	VOLTA MUSIC	471

Top Labels Q



LABEL	PLAYCOUNT
KOSINUS	12,205
ATMOSPHERE	11,660
BRUTON	8,785
KILLER TRACKS	8,676
KOKA	7,231

Top Channels Q



CHANNEL	PLAYCOUNT
TV3 Norge	3,616

PANEL

Panel

BROADCAST

Artista

Top Temas

Lista De Temas

Canales

Compañía

Reporte

FCF

Monitor

BÚSQUEDA

Nueva Búsqueda

Reporte

Generar Reporte

02/11/2019 - 08/11/2019

Filtros Activos

Ver Filtros

<input type="checkbox"/>		CUANDO	DURACIÓN	CANAL	REF. TOCADA	TÍTULO/ARTISTA			
<input type="checkbox"/>		08/11/19 - 14:57:58	00:02	Telecinco			Sobreviviré por <i>MONICA NARANJO</i>		
<input type="checkbox"/>			08/11/19 - 14:45:01	00:09	Telecinco			That's Love por <i>Oddisee</i>	
<input type="checkbox"/>			08/11/19 - 14:43:18	00:26	Telecinco			Swedish Garden por <i>Brice Davoli</i>	
<input type="checkbox"/>		08/11/19 - 14:39:20	00:50	Telecinco			Te Amaré Por Mil Años por <i>Coro Iglesia Luz Divi...</i>		
<input type="checkbox"/>		08/11/19 - 14:35:22	00:11	Telecinco			Despacito (Remix) por <i>Luis Fonsi & Daddy Yank...</i>		
<input type="checkbox"/>		08/11/19 - 14:32:40	00:04	Telecinco			Muñequita Linda por <i>Juan Magan X Deorro Ma...</i>		
<input type="checkbox"/>		08/11/19 - 14:32:33	00:03	Telecinco			Bajito por <i>Ana Guerra</i>		
<input type="checkbox"/>		08/11/19 - 14:31:03	00:21	Telecinco			We No Speak Americano (Spanish Re-Edit) por...		
<input type="checkbox"/>		08/11/19 - 14:30:15	00:17	Clan TV			Furtive Footsteps por <i>Paddy Kingsland</i>		
<input type="checkbox"/>		08/11/19 - 14:29:51	00:08	Telecinco			No por <i>Meghan Trainor</i>		
<input type="checkbox"/>			08/11/19 - 14:28:38	00:18	Telecinco			Taste por <i>Rhye</i>	
<input type="checkbox"/>			08/11/19 - 14:27:52	00:11	Telecinco			Al Agua Lleva por <i>Ismael Guijarro, Pedro Sierra</i>	

VERICAST

DASHBOARD

Dashboard

BROADCAST

Artists

Top Tracks

Track List

Channels

Channels By Catalog

Labels

Catalogs

Ads

Ads Report

Music Report

TV Report

FCF

Editor

SEARCH

New Search

TVs Music Report

Generate Report

WHEN	DURATION	CHANNEL	SHOW	PRODUCTION COMPANY	CATEGORY	MATCHES	RIGHTS	
12/11/19 - 00:00:00	0:30:00	TV2 Humor	The Office	Universal Media St...	Øvrige	6	00:00:58	
NO.	WHEN	REF.	MATCH	TITLE/ARTIST	LABEL	ISRC	DURATION	
1	12/11/19 - 00:09:58			Birds And The Bees by Ben ...	ATMOSPHERE	GBAXQ1128045	00:09	
2	12/11/19 - 00:11:01			Juglebox (Sadder Remix) b...	PLUSQUAM DIVISION	USA2P1645784	00:05	
3	12/11/19 - 00:14:27			Wanna Be Yours (Instrumen...	XSERIES	GBBPP1204801	00:05	
4	12/11/19 - 00:27:08			THE ONLY SURVIVOR (TRAIL...	CAVENDISH MUSIC	GBBGY1804404	00:14	
5	12/11/19 - 00:27:53			In The Light Of The Stars 2 ...	AUDIONETWORK	GBFFM1627662	00:13	
6	12/11/19 - 00:28:56			Tati Frutti by Eric Gemsa, Be...	PRIMROSE MUSIC	IT7150112710	00:12	
12/11/19 - 00:00:00	2:00:00	TV2 Sport 2 (old TV...	Tippekampen		Sport	0	00:00:00	
12/11/19 - 00:00:00	1 day, 0:00:00	VG TV	VGTV Program		Øvrige	0	00:00:00	
12/11/19 - 00:15:00	0:25:00	TV Zebra	Live PD: Police Pat...	Big Fish Entertain...	Øvrige	12	00:03:14	
12/11/19 - 00:25:00	0:30:00	NRK3	Gira på stripping		Øvrige	25	00:14:56	
12/11/19 - 00:25:00	1:00:00	TV3 Norge	Svenske Hollywoo...	Meter Film & Televi...	Øvrige	37	00:13:52	

Identificacions. Enriquiment de metadades

Video filename

start_time

end_time

confidence

artist_name

title

reference_start

phonogram_id (bmat code)

ISRC

ISWC

Formal Title

Title Version

Album

Label

Track Duration

Track Number

Catalog Number

EAN13/UPC

Release Date

ISRCs

Crawler Creation Date

Contributors

Composer

Author

Adapter

Arranger

Translator

Main Artist

Featured Artist

Distributor

Music Publisher

Is Classical Music

Is Production Music

Reference Sigpools

Genre

Language of Performance

Country Producer

Catalan

Música Propia

(...)

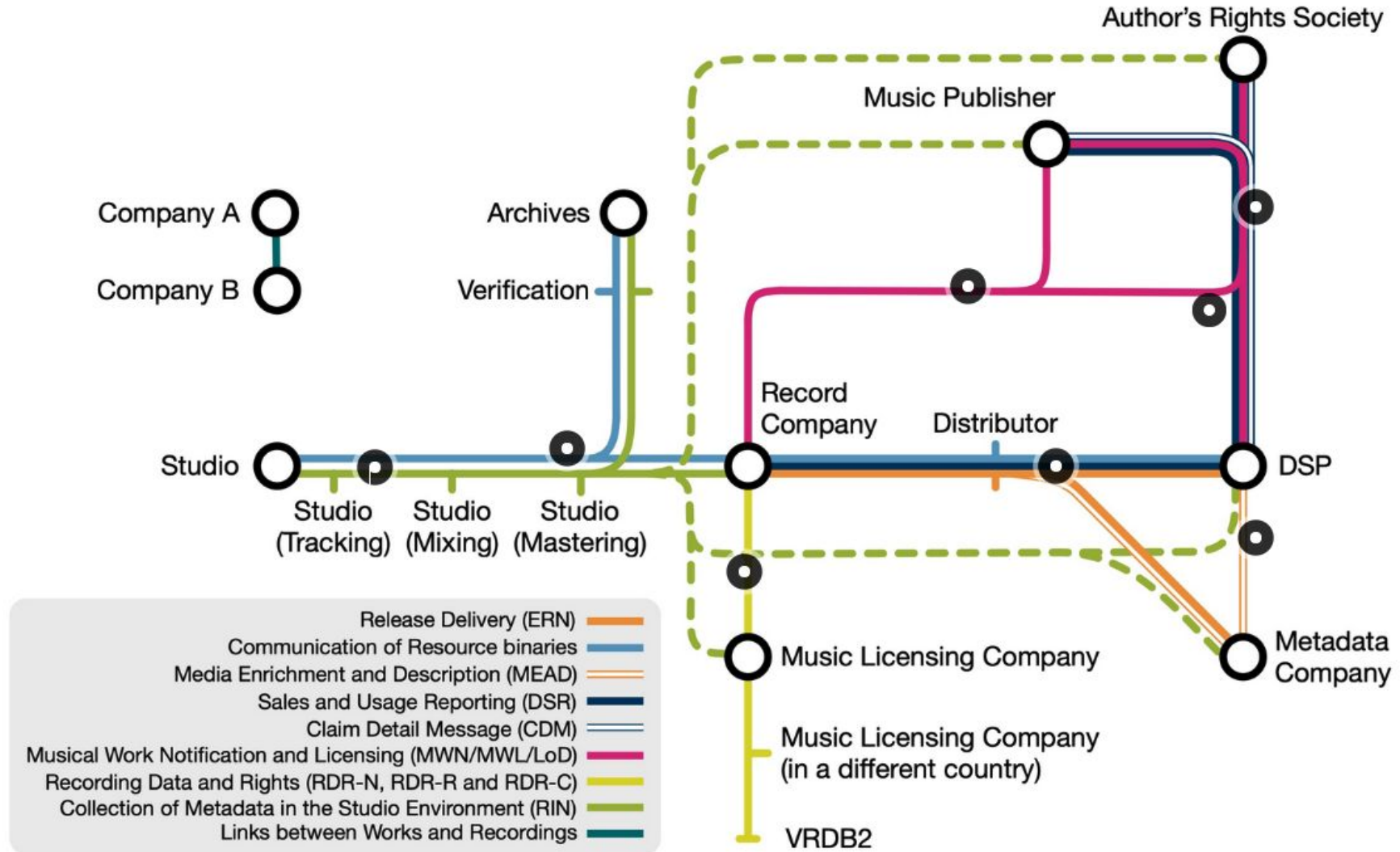


Com viatgen les metadades?

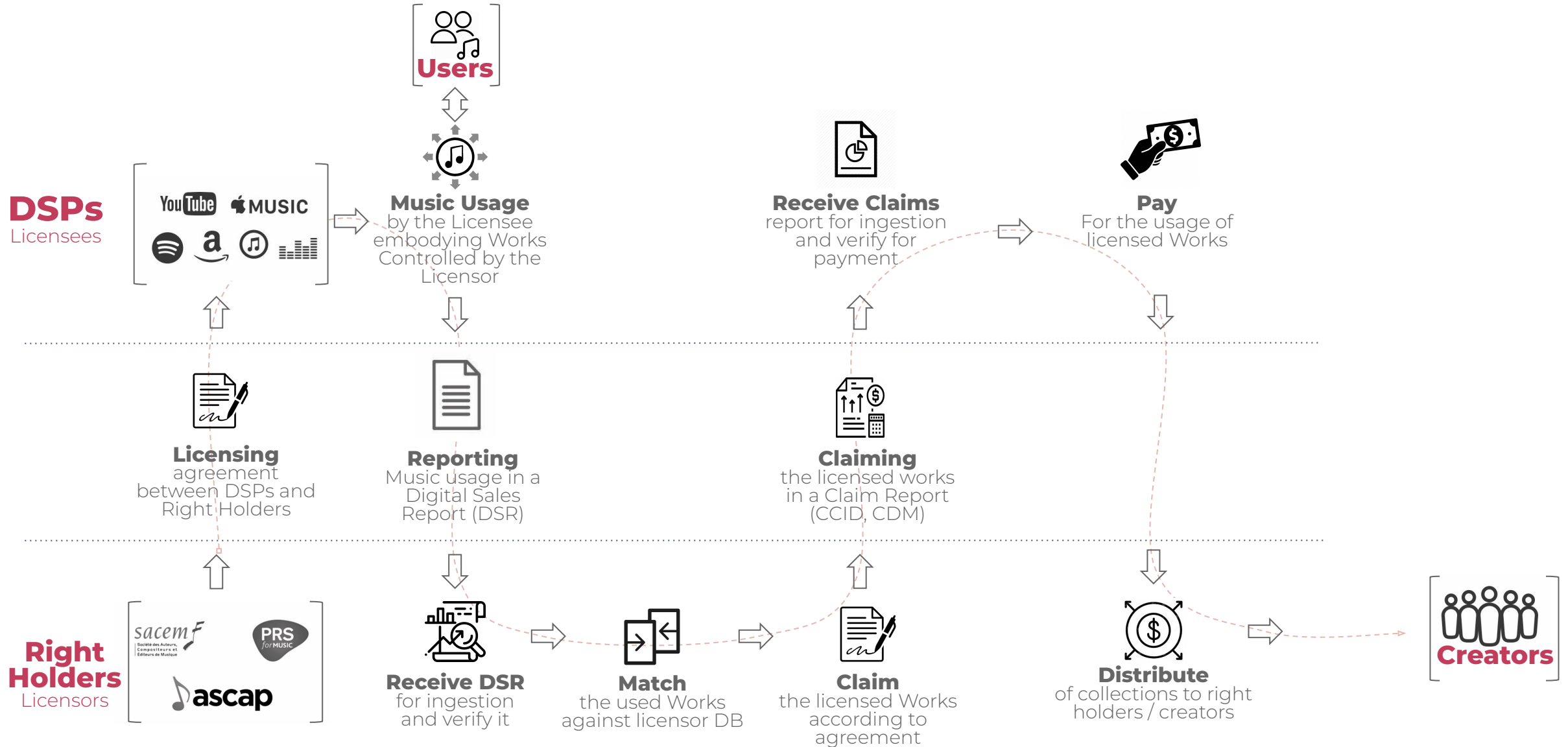


bmat
MUSIC INNOVATORS

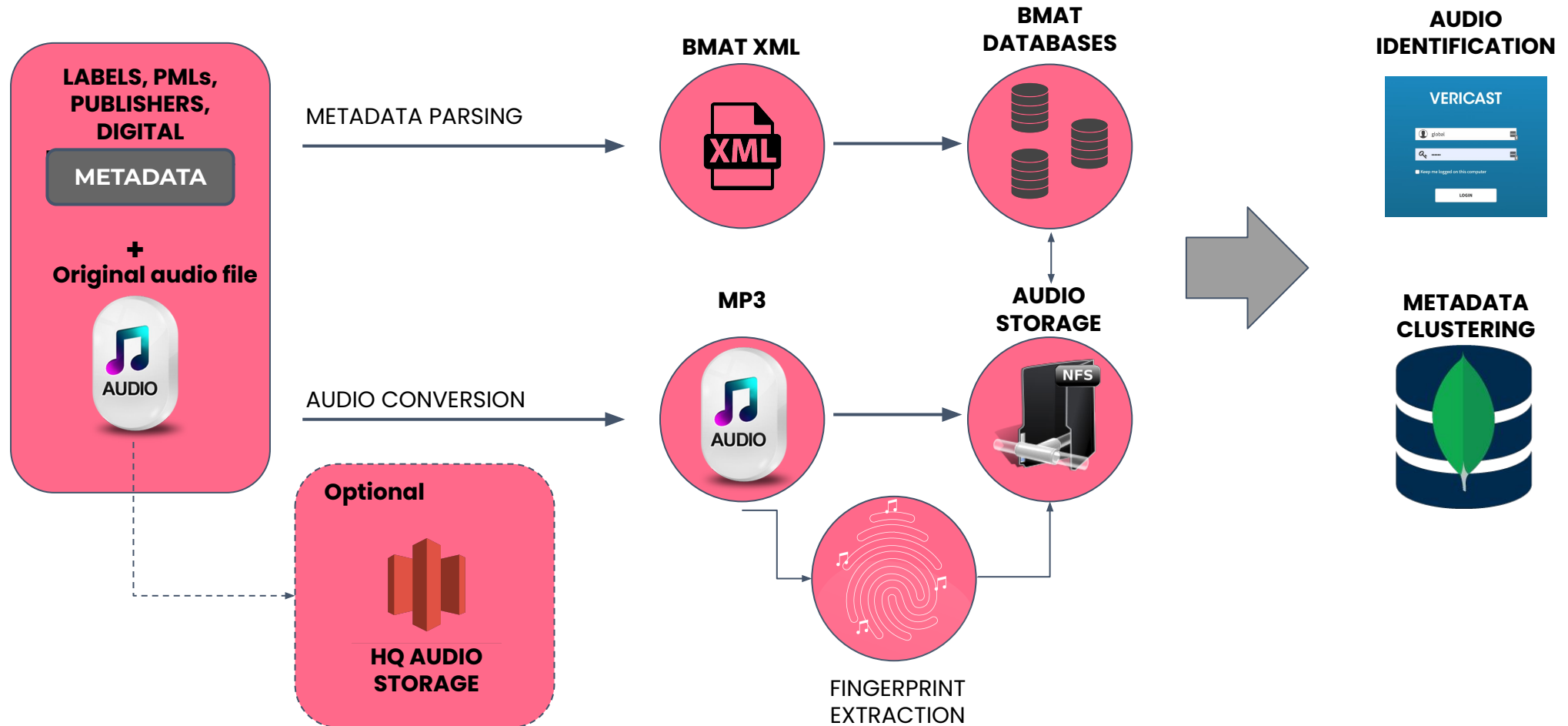
Els estàndards DDEX



Coreographies



Integració de metadades en sistemes



METADATA FORMATS

HIERARCHICAL

DDEX ERN

MMD XML
iTunes XML
JSON

TABULAR (EXCEL, CSV)

BMAT Standard Excels*
Custom Excels
Custom CSVs

WEB

Ritmonet
Vericast Upload
BMAT CMS

API

Provider's API

EMBEDDED

ID3 (all formats
readable with ffprobe)

AUDIO & VIDEO FORMATS

MP3, WMA, WAV, FLAC, MP4, WMV, ...
192...320kbps
44.1-48kHz

ARTWORK FORMATS

JPG, PNG, ...

BOOKLET

PDF

Dades obligatòries o opcionals

Required: title, artist, link with audio

Conditional / Optional: codes (ISRC, ISWC, UPC, customer IDs...), territorial data, composers...

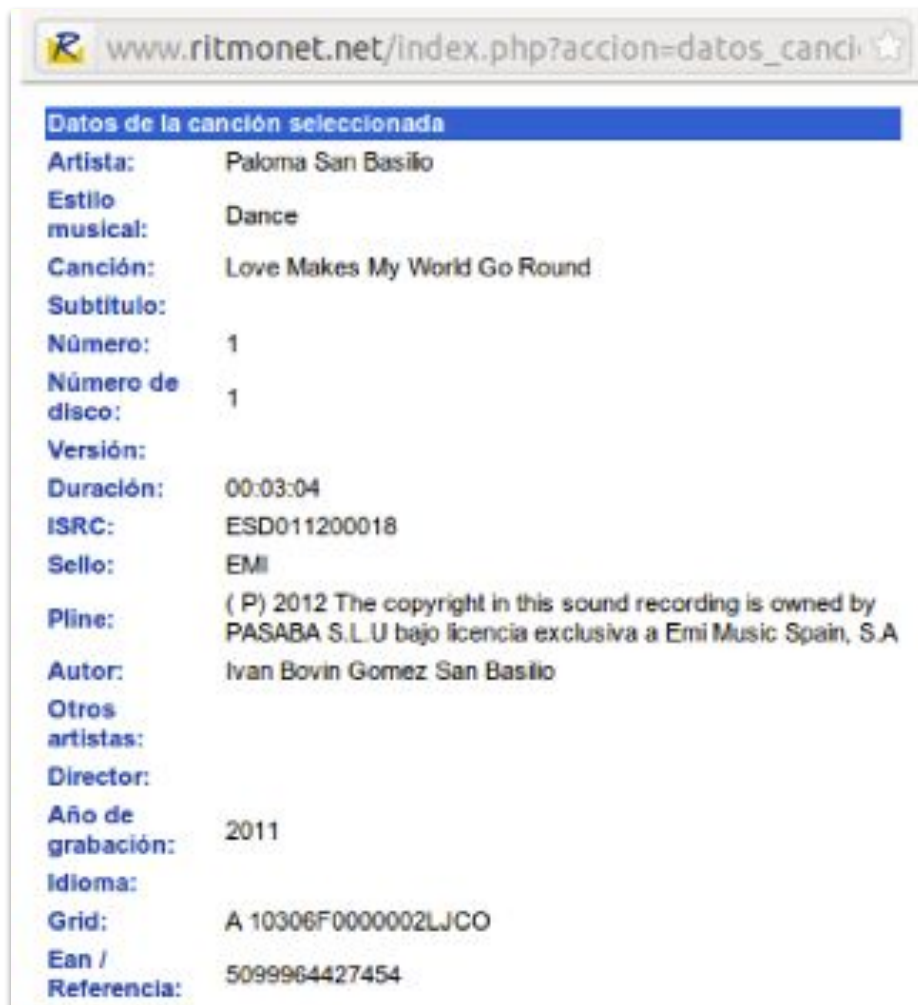
Adquisició de metadades: XML / JSON

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<?xml version="1.0" encoding="UTF-8" standalone="yes"?>
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  <type>update</type>
  <territory>AR</territory>
  <prd_title>Tell Me When</prd_title>
  <prd_version_title></prd_version_title>
  <prd_configuration>eAlbum</prd_configuration>
  <prd_label_name>Universal Music Argentina S.A.</prd_label_name>
  <set_count>1</set_count>
  <track_count>20</track_count>
  <complete_product>Y</complete_product>
  <prd_length>0:50:43</prd_length>
  <release_date>27-Nov-2006</release_date>
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  <c_line>(C) 1990 Decca Music Group Limited</c_line>
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    <current_price_effective_date>03-Feb-2010</current_price_effective_date>
  </prd_pricing>
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```

Adquisició de metadades: Excel / CSV

	A	B	C	D	E	F
1	URL	track title	main artist	album title	label	isrc
2	Revolver/the_beatles-yellow_submarine.mp3	Yellow Submarine	The Beatles	Revolver	Parlophone	GBAYE0601498
3	Revolver/the_beatles-eleanor_rigby.mp3	Eleanor Rigby	The Beatles	Revolver	Parlophone	GBAYE0601494
4	lady_gaga/lady_gaga-alejandro.mp3	Alejandro	Lady Gaga	The Fame Monster	Streamline Records	USUM70905526
5	pink/pink-there-you.go.mp3	There You Go	P!nk	Can't Take Me Home	LaFace	USLF29900351
6	Lonestar/my_front_porch_looking_in-lonestar.mp3	My Front Porch Looking In	Lonestar	From There to Here: Greatest Hits	Bna Entertainment	USBN10200036
7						
8						
9						
10						
11						
12						
13						
14						
15						

Adquisició de metadades: Web / API



www.ritmonet.net/index.php?accion=datos_canci

Datos de la canción seleccionada

Artista:	Paloma San Basilio
Estilo musical:	Dance
Canción:	Love Makes My World Go Round
Subtítulo:	
Número:	1
Número de disco:	1
Versión:	
Duración:	00:03:04
ISRC:	ESD011200018
Sello:	EMI
Pline:	(P) 2012 The copyright in this sound recording is owned by PASABA S.L.U bajo licencia exclusiva a Emi Music Spain, S.A
Autor:	Ivan Bovin Gomez San Basilio
Otros artistas:	
Director:	
Año de grabación:	2011
Idioma:	
Grid:	A 10306F0000002LJCO
Ean / Referencia:	5099964427454





Reptes i solucions



bmat
MUSIC INNOVATORS

Alguns dels principals reptes

- Dades aïllades
- Dades no interoperables
- Drethavents no identificats
- Dades inconsistents

Els drets d'autor triguen mesos a ser distribuïts i al voltant del 25% dels drets d'autor no es paguen als artistes i creadors a causa d'aquests factors. Quan ho fan, només és una petita fracció

Dades no interoperables



sgae
sociedad general de autores y editores

Variedades




Nº programa: **30123731**

Título del Espectáculo/Concierto o Gira _____

Intérprete _____

Local _____ **Cód. Local** _____

Domicilio _____

Población _____ **Provincia** _____

Nombre del declarante _____

Dirección _____ **CP** _____

Población _____ **Provincia** _____

Correo electrónico _____

Teléfono _____ **Código socio SGAE** _____

Firma _____

Relación de obras interpretadas en este local, desde fecha _____ **, hasta fecha** _____

*El nombre del intérprete deberá cumplimentarse únicamente si es distinto del que consta en la cabecera de la hoja-programa.

A cumplimentar por SGAE

Valoración del Programa

Evento nº _____

Pedido nº _____

Factura nº _____

Incluido en liquidación _____

Nº de hojas _____

Nº de títulos _____ **Partes** _____

Recogida por el Representante

D. _____

Titular de Zona Nº _____

Fecha de _____ de 2 _____

Sello y fecha de entrada en SGAE

TÍTULOS	AUTORES E INTÉRPRETE*	VECES INTERPRETADO
1	A _____ I _____	_____
2	A _____ I _____	_____

Dades no interoperables

Ke\$ha

Why Did Kesha Change Her Stage Name?

Well, the change wasn't all that drastic. When Kesha began her solo career in 2010, she went by the name Ke\$ha, and the name seemed to have stuck somewhere down the line. It was a little annoying to put a dollar sign in the search tab when looking for Kesha's music back then, but most of us managed to get through the hassle of having to press two keyboard buttons instead of one when typing Ke\$ha's name on YouTube.

RELATED:

How The Lawsuit Against Dr. Luke Left Kesha With A \$5 Million Net Worth

Copy editors, in particular, must have been thrilled by the news as the dollar sign in her name would have affected search rankings — but let's not get too technical on how the \$ sign is problematic in an artist's stage name when it comes to reporting. In 2014, she attended (and completed) a two-month stay in Timberline Knolls, located in Illinois, after her eating disorder had worsened. Friends and family members urged the songstress to seek professional help, which she did, and when she came out of the facility, she felt like a new person.

Dades no interoperables

P!nk

The screenshot shows the MusicBrainz profile for the artist P!nk. At the top, there are navigation links for 'Log In' and 'Create Account', a search bar, and a language dropdown set to 'English'. The profile header includes the artist's name 'P!nk' with a person icon, the text '(American singer/songwriter)', and '~ Person'. Below this is a horizontal menu with tabs for 'Overview', 'Releases', 'Recordings', 'Works', 'Events', 'Relationships', 'Aliases', 'Tags', 'Reviews', 'Details', and 'Edit'. The 'Overview' tab is selected. The main content area features a 'Legal name' field with the value 'Alecia Beth Moore', a 'Wikipedia' section with a short biography and a 'Show more...' link, and a 'Discography' section with a 'Filter' button. The discography table lists albums from 2000 to 2023, including 'Can't Take Me Home', 'Missundaztood', 'Try This', 'I'm Not Dead', 'Funhouse', 'The Truth About Love', 'Beautiful Trauma', 'Hurts 2B Human', and 'TRUSTFALL'. On the right side, there is an 'Artist information' section with details like 'Sort name: Pink', 'Type: Person', 'Gender: Female', 'Born: 1979-09-08', and 'Born in: Doylestown, Pennsylvania, United States'. Below this is a 'Rating' section showing a 4.5-star average and a 'Tags' section listing genres like 'pop', 'pop rock', and 'dance-pop'. At the bottom right, there is an 'External links' section with icons for the artist's official homepage, social media profiles (@pink, @Pink), and various music services (AllMusic, Apple Music US, Beatport, BnF Catalogue, Directlyrics, Discogs).

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Search Artist

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P!nk (American singer/songwriter)
~ Person

Overview Releases Recordings Works Events Relationships Aliases Tags Reviews Details Edit

Legal name: Alecia Beth Moore

Wikipedia

Alecia Beth Moore Hart (née **Moore**; born September 8, 1979), known professionally as **Pink** (stylized as **P!nk**), is an American singer, songwriter and actress.

During her teens, Pink was a member of the girl group Choice. Her first solo studio album, *Can't Take Me Home* (2000), was certified double-platinum in the United States. The R&B-influenced album spawned two *Billboard* Hot 100 top-ten songs: "There You Go" and "Most Girls". Pink gained further recognition with the collaborative single "Lady Marmalade"

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Discography Filter

Album

Year	Title	Artist	Rating	Releases
2000	Can't Take Me Home	P!nk	★★★★★	13
2001	Missundaztood	P!nk	★★★★★	28
2003	Try This	P!nk	★★★★★	20
2006	I'm Not Dead	P!nk	★★★★★	26
2008	Funhouse	P!nk	★★★★★	35
2012	The Truth About Love	P!nk	★★★★★	25
2017	Beautiful Trauma	P!nk	★★★★★	10
2019	Hurts 2B Human	P!nk	★★★★★	12
2023	TRUSTFALL	P!nk	★★★★★	10

Artist information

Sort name: Pink
Type: Person
Gender: Female
Born: 1979-09-08 (44 years ago)
Born in: Doylestown, Pennsylvania, United States
Area: United States
IPI code: 00342943558
ISNI code: 0000 0001 2028 175X

Rating
★★★★★ (see all ratings)

Tags

Genres
pop, pop rock, dance-pop, contemporary r&b, electropop

Other tags
2000s, 2010s

[See all tags](#)

External links

- Official homepage
- @pink
- @Pink
- AllMusic
- Apple Music US
- Beatport
- BnF Catalogue
- Directlyrics
- Discogs

Dades no interoperables

M / -M-

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Search Results

Last updated: 2023-11-15 14:51 UTC

[Previous](#) [1](#) [2](#) [3](#) [4](#) [5](#) [...](#) [207](#) [Next](#)

Found 5,159 results for "M"

Name	Sort Name	Type	Gender	Area	Begin	Begin Area	End	End Area
-M- (Matthieu Chedid)	M	Person	Male	France	1971-12-21	Boulogne-Billancourt		
Lebo M (producer/composer Lebohang Morake)	Lebo M	Person	Male	South Africa	1964-05-20	Johannesburg		
M (Robin Scott - Pop Muzik)	M	Group		United Kingdom	1978	London	1984	
Boney M.	Boney M.	Group		Bonn	1975			
m²	m²	Person						
M/M (techno)	M/M	Person						
Mitchie M	Mitchie M	Person	Male	Japan				
M@M (subgroup of CHEKICCO)	M@M	Group		Japan	1999		1999	
M+M (Italian dance music producers)	M+M	Group						
M People	M People	Group		United Kingdom	1990	Manchester		

Dades no interoperables

!!! (Chk Chk Chk)

Drethavents no identificats

Chained View - Spain

Interested Party	Role	Contrib. %	Mechanical			Performance			Synchronisation			IPI name num.
			Affiliation	Own %	Coll %	Affiliation	Own %	Coll %	Affiliation	Own %	Coll %	
CHARLES NIJA AISHA ALAYJA	CA	10.00	BMI			BMI	5.00	5.00	BMI			00770972018
SONGS OF UNIVERSAL INC.	E		BMI	5.00		BMI	2.50		BMI	5.00		00353271280
UNIVERSAL/MCA MUSIC ESPANOLA	SE		SGAE		5.00	SGAE		2.50	SGAE		5.00	00519051764
SONGS BY AMNIJA	E		BMI	5.00		BMI	2.50		BMI	5.00		00875711900
UNIVERSAL/MCA MUSIC ESPANOLA	SE		SGAE		5.00	SGAE		2.50	SGAE		5.00	00519051764
LENNON RAYMON	CA	5.00	NS			NS	2.50		NS			00789980256
MACK KARRIEM HASSAN	CA	5.00	NS			NS	2.50		NS			00339399809
MATTHEWS TATIANA TENISE	CA	10.00	HARRY FOX AGENCY			ASCAP	5.00		NS			00753266041
BELLINGER ERIC A.	CA	20.00	HARRY FOX AGENCY			BMI	10.00	10.00	NS			00461606760
SONY/ATV SONGS LLC	E		HARRY FOX AGENCY	20.00		BMI	10.00		NS	20.00		00187062752
SONY MP USA	SE		SGAE		20.00	SGAE		10.00	NS		20.00	00380551074
EMILE II DERNST	CA	25.00	NS			NS	12.50		NS			00434791443
NEVERSON TREMAINE ALDON	CA	5.00	NS	2.50		BMI	2.50	2.50	NS	2.50		00447853619
APRIL'S BOY MUSIC LLC	E		BMI	1.25		BMI	1.25		BMI	1.25		00477620531
CANCIONES WARNER BROS	SE		SGAE		2.50	SGAE		1.25	SGAE		2.50	00220528406
WARNER-TAMERLANE PUBLISHING CORP.	E		BMI	1.25		BMI	1.25		BMI	1.25		00185314175
CANCIONES WARNER BROS	SE		SGAE		2.50	SGAE		1.25	SGAE		2.50	00220528406
ALLEN RAKIM HASHEEM	CA	20.00	NS	10.00		ASCAP	10.00	10.00	NS	10.00		00740264660
WB MUSIC CORP.	E		ASCAP	10.00		ASCAP	10.00		ASCAP	10.00		00053026414
CANCIONES WARNER BROS	SE		SGAE		20.00	SGAE		10.00	SGAE		20.00	00220528406
Totals:		100.00		55.00	55.00		77.50	55.00		55.00	55.00	

Dades inconsistentes

00581490534	UNIVERSAL MUZIK TAKSIM ED. A. S.	SubPublisher	PerformingRightOwnership	0
00587707697	IMC MP D.O.O.	SubPublisher	PerformingRightOwnership	0
00526196053	UNDERDOG WEST SONGS	OriginalPublisher	PerformingRightOwnership	1.04
00000649518	ALMO MUSIC CORP.	OriginalPublisher	PerformingRightOwnership	3.13
00522148385	YOUNG MONEY PUBLISHING INC.	OriginalPublisher	PerformingRightOwnership	4.16
00488118915	JONAS BROTHERS PUBLISHING LLC.	OriginalPublisher	PerformingRightOwnership	4.16
00185314175	WARNER-TAMERLANE PUBLISHING CORP.	OriginalPublisher	PerformingRightOwnership	4.17
00187062752	SONY/ATV SONGS LLC.	OriginalPublisher	PerformingRightOwnership	4.17
00465501756	FAUNTLEROY MUSIC	OriginalPublisher	PerformingRightOwnership	4.17
00340375680	LASHAWN AMEEN DANIELS	ComposerLyricist	PerformingRightOwnership	4.99
00405845265	DWAYNE CARTER	ComposerLyricist	PerformingRightOwnership	8.33
00465167244	James Edward Fauntleroy II	ComposerLyricist	PerformingRightOwnership	8.34
00500713601	JOSEPH JONAS	ComposerLyricist	PerformingRightOwnership	8.34
00447372737	CLEOPATRA'S SON'S MUSIC	OriginalPublisher	PerformingRightOwnership	10
00128633767	EMI APRIL MUSIC INC.	OriginalPublisher	PerformingRightOwnership	15
00543648144	ROBIN MORRIS TADROSS	ComposerLyricist	PerformingRightOwnership	20

00475479212	SAMP (COLOMBIA) LTDA	SubPublisher	PerformingRightOwnership	0
00607513564	SONY ATV MUSIC PUBLISHING PORTUGAL S L	SubPublisher	PerformingRightOwnership	0
00071002530	EMI MUSIC PUBLISHING HOLLAND BV	SubPublisher	PerformingRightOwnership	0
00469433915	ED SAMP GREECE MOUSIKI EKDOTIKI	SubPublisher	PerformingRightOwnership	0
00276495716	EMI MUSIC PUBLISHING POLSKA SP ZOO	SubPublisher	PerformingRightOwnership	0
00590956506	THE BOOK PRODUCTIONS LLC	OriginalPublisher	PerformingRightOwnership	2.5
00340375680	LASHAWN DANIELS	ComposerLyricist	PerformingRightOwnership	5
00187062752	SONY/ATV SONGS LLC	OriginalPublisher	PerformingRightOwnership	6.25
00488118915	JONAS BROTHERS PUBLISHING LLC	OriginalPublisher	PerformingRightOwnership	6.25
00447372737	CLEOPATRA'S SON'S MUSIC	OriginalPublisher	PerformingRightOwnership	10
00500713601	JOSEPH JONAS	ComposerLyricist	PerformingRightOwnership	12.5
	JAMES FAUNTLEROY	ComposerLyricist	PerformingRightOwnership	12.5
	PUBLISHER UNKNOWN	OriginalPublisher	PerformingRightOwnership	12.5

Dades inconsistentes

DetailView - Contributor : 5e7dd7784847e49575bf7c22

Contributor core metadata - (modification date: Sun, 04 Oct 2020 07:02:03 GMT)

ID	IPI Name Numbers	Aliases
5e7dd7784847e49575bf7c22	00545522065	TANNENBAUM DANIEL, TENNENBAUM DANIEL, TANNENBAUM DAN, DANIEL TANNENBAUM, TANNENBAUM DANNY

Aliases

Alias	IPI Name Numbers	Manual
x DANIEL TANNENBAUM	00545522065	
x TANNENBAUM DANIEL	00545522065	
x TENNENBAUM DANIEL		
x TANNENBAUM DAN		
x TANNENBAUM DANNY		

IPI Name Numbers

IPI Name Number	Aliases
00545522065	DANIEL TANNENBAUM x TANNENBAUM DANIEL x

Works

ID	MWTitle	Contributors	ISWC
5e7101d34f9c6282635b5500	FOOTSTEPS	HONEYCUTT BRIAN , THORNTON TERRENCE , JONES MARVIN P , THORNTON GENE , KHALIL D J , TANNENBAUM DANIEL	T9162326387
5e7219bf82c60de7bc3f52ed	#JETSGO	SMITH COLUMBUS TOWER III , TANNENBAUM DANIEL , FRANKLIN SHANTE	T9132504531
5e722b319074b149fdc7261	CADILLACTICA	ABDUL RAHMAN KHALIL , SCOTT JUSTIN LEWIS , NATCHE DACOURY DAHI , TANNENBAUM DANIEL	T9159528719
5e723e81b2523292d1cf7245	DRUG TEST	JORDAN SYLVESTER JR , TAYLOR JAYCEON TERRELL , ABDUL RAHMAN KHALIL , COLE JERMAINE L , BENTON STANLEY BERNARD , KENDRICK LAMAR , YOUNG ANDRE ROMELL , TANNENBAUM DANIEL , BROADUS CALVIN CORDAZOR	T9124406015
5e725f653263a036f2cf7295	IMMA DO IT	HONEYCUTT BRIAN , KHALIL D J , JACKSON JOHN JR , TANNENBAUM DANIEL	T9054822821
5e725f90a2f53eda8ccf72a8	I DON T NEED NO	ABDUL RAHMAN KHALIL , TANNENBAUM DANIEL , BROADUS CORDOZAR CALVIN	T9060782469
5e7262ce5e7af2d940cf7243	IT WASN'T ME	PERRETTA MICHAEL TAYLOR , SMITH COLUMBUS TOWER III , TANNENBAUM DANIEL	T9125756572

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Una empresa intensiva en R+D+i

Invertim més de **3 milions d'euros** cada any en el nostre propi departament de Recerca i Desenvolupament.

FuturePulse

FuturePulse – Multimodal Predictive Analytics and Recommendation Services for the Music Industry – has received funding from the European Union's Horizon 2020 research and innovation programme under grant agreement No. 761634



Bloomen

Bloomen – Blockchains in the new era of participatory media experience has received funding from the European Union's Horizon 2020 research and innovation programme under grant agreement No. 762091.



NextCore

The National Research National Agency of the Ministry of Science and Innovation (La Agencia Estatal de Investigación del Ministerio de Ciencia e Innovación) supports the Retos-Colaboración 2019 project New generation of music monitoring technology (NextCore), RTC2019-007248-7.



IDENTI@RT

Ident@rt – R+D en preservació del valor d'actius digitals de música, art i disseny, amb distributed ledger tech – (COMRD118-1-0011) of la Comunitat Media (COM18-1-0002) is financed by ACCIÓ (Agència per la Competitivitat de l'Empresa, Generalitat de Catalunya) as part of the collaborative projects for investigation, development and innovation of the Communities RIS3CAT.



LoudSense

ACCIÓ (Agència per la Competitivitat de l'Empresa, Generalitat de Catalunya) supports the project LoudSense – AI system for automatic audibility estimation of background music in audiovisual productions (ACE014/20/000051) as part of the call INNOTEC 2020.



PICAE

PICAE – Publicació Intel·ligent de Continguts Audiovisuals i Editorials – (COMRD118-1-0007) of la Comunitat Media (COM18-1-0002) is financed by ACCIÓ (Agència per la Competitivitat de l'Empresa, Generalitat de Catalunya) as part of the collaborative projects for investigation, development and innovation of the Communities RIS3CAT.



DeepTrack

Ministerio de Economía y Empresa (Ministry of Economy and Enterprise) supports the Strategic Action of Economy and Digital Society – the Digital Enabling Technologies impulse 2019, project System for real-time massive audio monitoring based on artificial intelligence (DeepTrack), TSI-100903-2019-38.



PlayIT

Ministry of Industry, Energy and Digital Agenda (Ministerio de Energía, Turismo y Agenda Digital) supports the Strategic Action of Economy and Digital Society – Technological Impulse 2017, Project PlayIT: Big Data BI scalable engine for the process and identification of music metadata – TSI-100600-2017-20). Co-funded by Fondo Europeo de Desarrollo Regional (FEDER) – The way to build Europe.



Industrial Doctorates

The projects Music/Speech detection in broadcast media programs (DI46-2016) and Music identification algorithms using deep learning techniques (DI46-2020) are supported by the Industrial Doctorates plan of the Secretary of Universities and Investigation of the Department of Companies and knowledge of the Catalonia Generalitat (Secretaría de Universidades e Investigación del Departamento de Empresa y Conocimiento de la Generalitat de Cataluña).



Temes de recerca d'interès

- ❑ IA aplicada a la música, la imatge i a les metadades textuals
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- ❑ Anàlisi de **dades** i ciència de xarxes
- ❑ **Computació**: HPC, Edge, Cloud & IoT
- ❑ **Impacte**: Diversitat, biaix de gènere i sostenibilitat

🌟 / News / Artificial intelligence to determine which music broadcast on TV is subject to copyright

Artificial intelligence to determine which music broadcast on TV is subject to copyright

The spin-off of the UPF BMAT and the Music Technology Group (MTG) receive an INNOTEK grant to develop LoudSense, an algorithm that will establish what music broadcast on television productions fulfils audibility requirements for copyright

09.06.2021



Photo by Jeremy Bishop - Unsplash

Categories:

Transfer and Innovation

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🔗 NextCore to seek to overcome the limitations of music monitoring systems

For more information

News published by:

Institutional Communication and Promotion Unit

- [93 542 21 00](tel:935422100)
- comunicacio@upf.edu

The music of television productions is a major source of revenue for the music industry thanks to **copyright**. Copyright **can only be exercised when the music is sufficiently audible**, but this is difficult to determine depending on the context. For example, our perception can vary when other sounds, such as conversation, are superimposed.

Projecte - Matching Learning



Beatles yesterday live(best quality)
R12692 • 27K views • 10 years ago
paul mccartneys first (and in my opinion) his best performance of yesterday.



The Beatles - "Yesterday" live in Munich, 1966
Josh S • 1.4M views • 3 years ago
A rare group arrangement as shown on German television.



Writer	Publisher	RoyaltyAdministrator	SubPublisher	Mechanical			Performance		
				Affiliation	Own %	Coll %	Affiliation	Own %	Coll %
MCCARTNEY PAUL JAMES				NS			PRS	25.0	25.0
	SONY/ATV TUNES LLC			HARRY FOX AGENCY	50.0		ASCAP	25.0	
		SONY/ATV MUSIC PUBLISHING LLC		NS			NS		
LENNON JOHN WINSTON				NS			PRS	25.0	25.0
	SONY/ATV TUNES LLC			HARRY FOX AGENCY	50.0		ASCAP	25.0	
		SONY/ATV MUSIC PUBLISHING LLC		NS			NS		



Red.es (Ministry of Economic Affairs and Digital Transformation) supports this R&D project in Artificial Intelligence and other digital technologies together with their integration in the value chain (C005/21-ED call) as part of the Digital Spain 2025 plan: *Motor de reconciliación de entidades impulsado por IA para la industria de la música (AI-powered entity reconciliation engine for the music industry) - 2021/C005/00149157.*

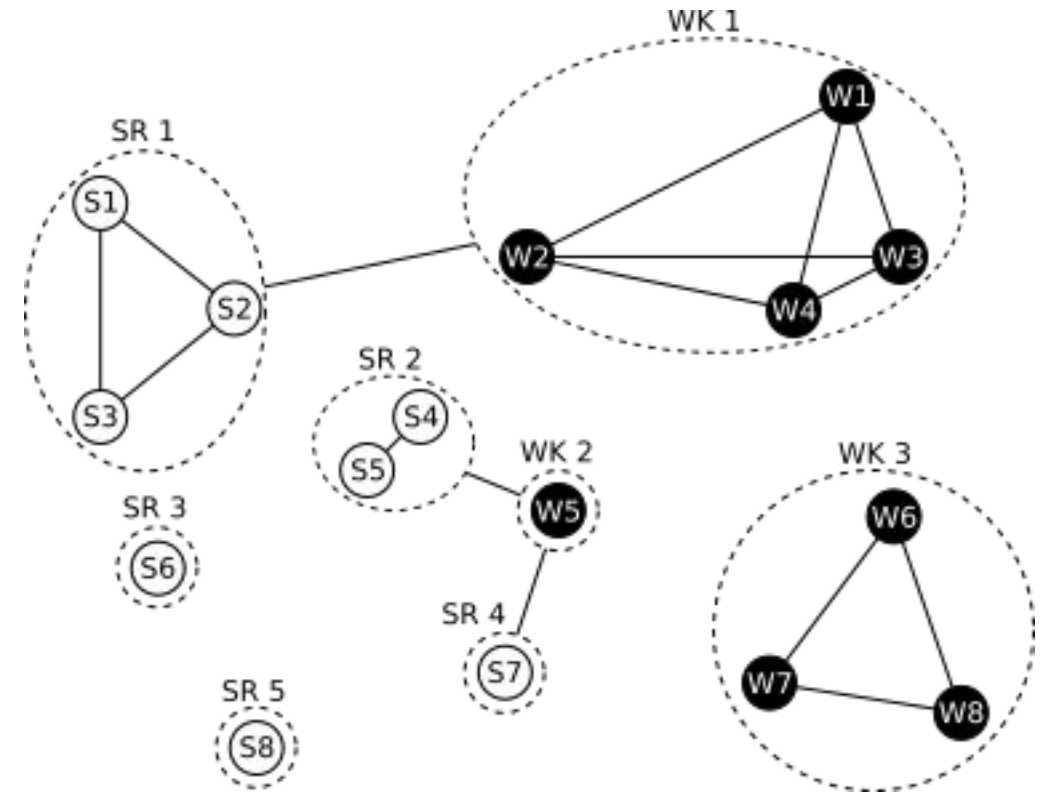


OBJECTIU: augmentar l'efectivitat de les eines d'identificació d'obres a partir de metadades usant IA

METADATA MATCHING

We match the metadata from digital sales providers with the internal music databases of collecting societies and enrich it with our own database to ensure it is complete. **Every day** we deliver **27 billion matches** to make sure **you** receive the royalties **you** deserve.

Title	score	Title	Artists	ISRC	MW Title	Contributors	ISWC	
Solo (feat. Demi Lovato) [Latin Remix]								
Artists (separated by commas): Clean Bandit	P: 0 W: 98	CLEAN BANDIT FEAT. DEMI LOVATO, CLEAN BANDIT	CLEAN BANDIT FEAT. DEMI LOVATO, CLEAN BANDIT	GBAHS1800328, GBAHS1800517	100 %	SOLO (FEAT. DEMI LOVATO) 95 %	GIBSON FREDERICK JOHN PHILIP, LOVATO DEMITRIA, PURCELL CAMILLE ANGELINA, CHATTO GRACE ELIZABETH, PATTERSON JACK ROBERT 81 % 100 % 100 % 100 % 0 % 100 %	T9047935091
ISRC (Separated by commas): GBAHS1800517								
Work Title:								
Contributors (separated by commas): LOVATO DEMITRIA, PURCELL C. ANGELINA, C	P: 0 W: 97	CLEAN BANDIT- DEMI LOVATO, CLEAN BANDIT	CLEAN BANDIT- DEMI LOVATO, CLEAN BANDIT			SOLO (FEAT. DEMI LOVATO) 95 %	LOVATO DEMITRIA, PURCELL CAMILLE ANGELINA, CHATTO GRACE ELIZABETH, PATTERSON JACK ROBERT, GIBSON FREDERICK JOHN PHILIP 100 % 100 % 100 % 0 % 100 % 81 %	T9047935091
ISWC:								
Score Type:								
Work								
Size of results: 25	P: 0 W: 91	CLEAN BANDIT- DEMI LOVATO, CLEAN BANDIT	CLEAN BANDIT- DEMI LOVATO, CLEAN BANDIT			SOLO 95 %	LOVATO DEMITRIA, PURCELL CAMILLE ANGELINA, CHATTO GRACE ELIZABETH, PATTERSON JACK ROBERT, GIBSON FREDERICK JOHN PHILIP 100 % 100 % 100 % 0 % 100 % 81 %	T9047935091
Sources:								
Index: bmatcher-w	P: 0 W: 87					SOLO 95 %	PATTERSON JACK, CHATTO GRACE, LOVATO DEMI, PURCELL CAMILLE, GIBSON FRED 100 % 67 % 85 % 67 % 100 % 0 %	T9047935091
<input checked="" type="checkbox"/> Title Alias: <input type="checkbox"/> Enhance: <input checked="" type="checkbox"/> Show all: <input checked="" type="checkbox"/> Full score:								
SEARCH	P: 0 W: 43	DEMI LOVATO	DEMI LOVATO			SOLO (FEAT. DEMI LOVATO) 95 %	CUTLER SCOTT MICHAEL, PREVEN ANNE, LOVATO DEMITRIA 48 % 52 % 100 % 0 %	T9047935091



MUSIC360

DIGITAL PLATFORM

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MUSIC360 is a 360 degrees perspective on the value of music. The project has received funding from the European Union's Horizon Europe research and innovation programme under grant agreement No. 101094872.



Co-funded by
the European Union



Gràcies!

Gonçal Calvo Pérez
Head of Innovation

innovation@bmat.com

