

Note 4 - Origin Of Films In VOD Catalogues In The EU

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A publication by the European Audiovisual Observatory

November 2015





Report prepared by the European Audiovisual Observatory for DG Connect

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This report was prepared in the framework of a contract between the European Commission (DG Connect) and the European Audiovisual Observatory

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NOTE 4: ORIGIN OF FILMS IN VOD CATA-LOGUES IN THE EU

Authors: Laura Ene and Christian Grece

1 Foreword – Methodology

The European Audiovisual Observatory undertook in October 2015 a research project on films in selected Video-on-Demand catalogues available in the European Union. The first results of this research project are presented in this note.

The aim of the project was to gather entire film catalogues of VoD services in each EU country and to match individual film titles with their country of origin (production) and their year of production. This has been done by developing a software-based robot capable of retrieving individual film titles for each VoD services, thanks to the Strasbourg-based IT company Logidée.

1.1 Selection of VoD and SVoD services in Member States

In order to be able to do so, we selected 91 VoD services (transactional and subscription VoD) in each EU country, accessible over the Internet. Therefore, VoD services only accessible through set-top boxes of cable, satellite or Internet service providers are not included in this survey.

75 VoD and 16 SVoD services in the 28 Member States have been analysed. The different services analysed and their countries of availability are given in table 1.

Table 1 16 SVoD and 75 VoD services analysed in 28 EU countries

VoD service	Coverage
Blockbuster	DK
Bnet	HR
Cdon	SE
Chili	AT, DE, GB, IT, PL
Curzonhomecinema	GB
Dkino	SI
Flimmit	AT
Hol	GR
Ipla	PL
iTunes	AT, BE, BG, CY, CZ, DE, DK, EE, ES, FI, FR, GB, GR, HU, IE, IT, LT, LU, LV, MT, NL, PL, PT, SE, SK
Lattelecom	LV
Maxdome	DE
Maxtv	HR
Megogo	CZ, EE, LT, LV
O2tv	CZ
Oyo	HR
PathéThuis	NL
Playplus	SE
Seenow	RO
Sfanytime	DK, FI, SE
Skynet	BE
Strefavod	PL
Tangotv	LU
Timvision	IT
Toya	PL
Univers Cine	BE, FR
Videoland	DE
CanalPlay VoD	FR
Vodo	GR
Volta	IE
Voyo	BG, CZ
Wuaki	AT, DE, ES, FR, GB, IE, IT
Youseeplay	DK
Ziggo	NL
CV-Di	Carrana
SVoD service	Coverage

SVoD service	Coverage
Canalplay	FR
C More	DK, FI, SE
Filmin	ES
Kinoplex	PL
Netflix	AT, DE, DK, FI, FR, GB, NL, SE
Sky Snap	DE
Yomvi	ES

For each country, we tried to have at least 2 VoD services but this was not possible for Malta, Portugal, Slovenia, Slovakia and Romania, for which we had only access to one service. We tracked 4 pan-European/pan-regional VoD and 2 pan-European/pan-regional SVoD services (presence in two or more EU countries). Netflix was the only service for which we had to use a proxy website, allflicks.net, for each country-specific Netflix catalogue as a direct access to the service through the robot was not possible.

The pan-European VoD and SVoD services which are included in this note, with country-specific catalogues are:

- Apple's iTunes (VoD) in Austria, Belgium, Bulgaria, Cyprus, Czech Republic, Denmark, Estonia, Finland, France, Germany, Greece, Hungary, Ireland, Italy, Lithuania, Luxembourg, Latvia, Malta, the Netherlands, Poland, Portugal, Sweden, Slovak Republic, Spain and the United Kingdom
- ChiliTV (VoD) in Austria, Germany, Italy, Poland and the United Kingdom
- SF Anytime (VoD) in Demark, Finland and Sweden

- Wuaki.tv (VoD) in Austria, Denmark, France, Ireland, Italy, Spain and the United Kingdom
- Netflix (through proxy site Allflicks SVoD) in Austria, Denmark, Finland,
 France, Germany, the Netherlands, Sweden and the United Kingdom
- CMore (SVoD) in Denmark, Finland and Sweden

The selection of VoD services in each country was based on perceived significance for the national market (as no market shares are available), accessibility over the Internet and possibility of retrieving film titles by using the developed software-based robot. Therefore, some services such as Google Play, Microsoft Store and Sony PlayStation Video for which our robot was not functional are not included.

Furthermore, for services for which a transactional VoD offer exists at the same time with a SVoD offer, we have considered these services to be VoD services (as more films are available on VoD services than SVoD services and we could not identify which film was comprised in which offer). The main services concerned by this classification are Maxdome in Germany, Flimmit in Austria and wuaki.tv in Spain.

1.2 Matching of retrieved film titles with film databases

Once film titles of VoD services have been retrieved, we were able to identify the country of production and the year of production by matching film titles with films in the Observatory's <u>LUMIERE</u> database on films, the <u>Moviedatabase</u> and <u>imDB</u> through a heuristic algorithm. For all services, we retrieved 135 782 film titles in different languages which were matched in these different databases. The final result (after matching film titles in different languages with their original film title) of film retrieved corresponds to 29 869 unique film titles that were available on the 91 VoD catalogues retrieved during the month of October 2015.

We considered the first country of production listed in LUMIERE as being the main country of production, without taking into account co-productions (which can be done in a second step).

1.3 Presentation of results

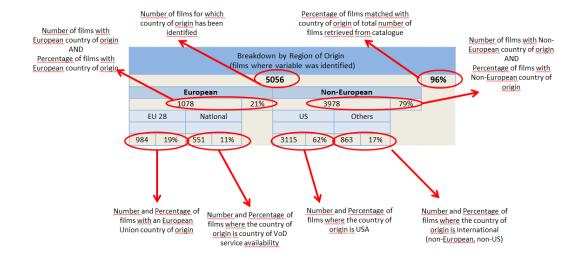
Results of individual services are presented in the section "Results for VoD and SVoD services by country". The tables give the overview of total films retrieved from the catalogue, Breakdown by Region of Origin and by Age of Production (in absolute figures and shares of films retrieved).

Table 2 Results - Example of presentation 5 270 Breakdown by Region of Origin Breakdown by Age of Production 5 056 5 270 100% # [0-2[12% [2-5[25% [5-10[20% 1 078 21% 3 978 79% [10-20[5 270 EU 28 US All films National Others 19% 551 11% 3 115 62% 863 17% 1 078 984 15% 29% 22% 13% 21% 29% 23% 22% 21% 14% 14% 551 14% 14% National 28% Non-European 11% 31% 23% 3 115

Source: OBS Research on VoD catalogues October 2015

In this example, the figure "5 270" below GB_iTune_Catalogue represents the number of total films retrieved by the software from the iTunes catalogue in the United Kingdom.

Results - Presentation of Breakdown by Region of Origin Breakdown by Region of Origin (films where variable was identified) 5056 96% European Non-European 21% 1078 3978 79% **EU 28** National US Others 984 19% 551 11% 3115 62% 863 17%



In this example, the results of films matched with their country/region of origin are presented in more detail. The figure "5 056" below "Breakdown by Region of Origin" represents the number of films for which we were able to match the country of origin and "96%" represents the percentage of films matched to their country of origin of all films retrieved. Here, 5 056 films (of the 5 270 films retrieved in the UK iTunes catalogue) or 96% have been matched to their country of origin.

- "European" represents the number of films in the catalogue having the first (or main) country of origin as part of the 47 Member states of the Council of Europe.

These countries are Albania, Andorra, Armenia, Austria, Azerbaijan, Belgium, Bosnia and Herzegovina, Bulgaria, Croatia, Cyprus, Czech Republic, Denmark, Estonia, Finland, France, Georgia, Germany, Greece, Hungary, Iceland, Ireland, Italy, Latvia, Liechtenstein, Lithuania, Luxembourg, Malta, Monaco, Montenegro, Netherlands, Norway, Poland, Portugal, Republic of Moldova, Romania, Russian Federation, San Marino, Serbia, Slovak Republic, Slovenia, Spain, Sweden, Switzerland, "The former Yugoslav Republic of Macedonia, Turkey, Ukraine and the United Kingdom.

In this example, 1 078 films had a European country of origin, representing 21% of films matched with their country of origin.

- "EU 28" represents the number of films in the catalogue having the first (or main) country of origin as part of the 28 member states of the European Union. "EU 28" is a subcategory of "European", all films with an "EU 28" origin are also included in the "European" figure.

These countries are Austria, Belgium, Bulgaria, Croatia, Cyprus, the Czech Republic, Denmark, Estonia, Finland, France, Germany, Greece, Hungary, Ireland, Italy, Latvia, Lithuania, Luxembourg, Malta, the Netherlands, Poland, Portugal, Romania, Slovakia, Slovenia, Spain, Sweden and the United Kingdom.

In this example, **984** films have an **EU 28** origin, representing **19%** of films matched with their country of origin.

- "National" represents the number of films having the first (or main) country of origin corresponding to the service's country of availability, in this case the United Kingdom. For each service in each country, we have identified the number of national films in the catalogue. A film with a country of origin of in the United Kingdom will be considered "National" in the catalogues of VoD services available in the United Kingdom but "European" and "EU28" in the catalogues of VoD services elsewhere in the European Union. National is a subcategory of "EU 28" and "European", all films with a national as country of origin are also included in the figures "EU28" and "European".

In this example, **551** films have a **National** (United Kingdom) country of origin, representing **11%** of films matched with their country of origin.

"Non-European" represents the number of films not having the first (or main) country of origin as part of the list of 47 European member states of the Council of Europe.

In this example, **3978** films have a **Non-European** country of origin, representing **79%** of films matched with their country of origin.

- "US" represents the number of films having the first (or main) country of origin in the United States of America. "US" is a sub-category of "Non-European", all films with an "US" country of origin are also included in the "Non-European" figure.

In this example, 3115 films have as country of origin the USA, representing 62% of

films matched with their country of origin.

"Others" represents the number of films having as the first (or main) country of origin a non-European and non-US country. It shows the share of international, non-US films in a VoD catalogue. "Others" is a sub-category of "Non-European", all films with an "Others" as country of origin are also included in the "Non-European" figure.

In this example, **863** films have an international country of origin (Non-European, Non-US), representing **17%** of films matched with their country of origin.

Table 4 Results - Presentation of Breakdown by Age of Production

Proplete Age of Production															
			akdown by Age o where variable v												
			5270				100%								
	Age brackets (years)														
	"	[0-2[[2-5[[5-10[[10-20[>20									
All films	5270	12%	25%	20%	15%	28%									
European	1078	15%	29%	22%	13%	21%									
EU 28	984	14%	29%	22%	14%	22%									
National	551	14%	23%	21%	14%	28%									
Non-European	3978	11%	23%	18%	17%	31%									
US	3115	9%	20%	17%	18%	35%									

Source: OBS Research on VoD catalogues October 2015

In this example, "5 270" represents the number of films retrieved for which we were able to match the year of production. "100%" represents the share of films matched to their year of production from the total films retrieved, in this example 5270 film titles of 5270 films retrieved were matched to a year of production.

The "Age Brackets" give the age of the films retrieved with the year 2015 as a reference. For "All films", 12% were produced in 2015 and 2014, 25% between 2013 and 2011, 20% between 2010 and 2006, 15% between 2005 and 1996, 28% had a year of production prior to 1996.

The categories "European", "EU 28", "National", "Non-European" and "US" give the breakdown of the age of films according to their country/region of origin.

1.4 Validity of results and Coverage of catalogues

We can only guarantee the validity of the results for the time period where the film titles were retrieved, End of September and October 2015. Furthermore, small matching errors might have occurred, for less than 5% of all films matched.

The findings are representative of VoD catalogues comprised in this note, **with a median of 78%** of films in VoD catalogues retrieved. The maximum coverage is at 99% for wuaki.tv in Spain and Ireland, the minimum for Megagogo different catalogues with 3%.

The catalogues of VoD services with films titles in Cyrillic and Greek (Megagogo and Vodo) were the only ones were the matching and coverage rate was very low, due to difficulties in retrieving and matching film titles by using the software. Also, Megagogo presented a large part of films not present in moviedatabases, often Russian fim titles. As the access to and retrieval of Netflix's different country catalogues was not possible, the website Allflicks has been used to retrieve each catalogue in a given a country.

The table gives the coverage ratio in percentage of each catalogue retrieved. The data and time of retrieval are also given as VoD catalogues might have changed between the period of retrieval and the publication of results (in the format YEAR-MONTHDAYHOURMINUTE, e.g. 201509281809 corresponds to the 28th of September 2015 at 18:09). Coverage ratio are indicative of the percentage of the total film catalogue analysed by the software (content identified as film/movies in the different VoD catalogues), small errors might have occurred.

Table 5 Coverage ratio of VoD catalogues (in %), Date and Time of retrieval, Total number of films in Catalogue and retrieved

	Ims in Catalogue and retrieved	-			
Country	Name of VoD service	Date and Time of retrieval (YYYYMMDDHHHH)	Number of films in total cata- logue	Number of films re- trieved	Coverage Ratio
AT	allflicks (Netflix Austria)	201509281809	1098	993	90%
AT	Flimmit	201509071211	2120	1427	67%
AT	Chili.TV Austria	201509232357	1658	1610	97%
AT	iTunes Austria	201509231843	7852	5598	71%
AT	wuaki.tv Austria	201510141838	1535	1490	97%
BE	iTunes Belgium	201509230909	7157	5125	72%
BE	Proximus TV Belgacom	201509101617	879	769	87%
BE	Universciné Belgique	201509111422	2097	1755	84%
BG	iTunes Bulgaria	201509221810	4394	2362	54%
BG	Voyo Bulgaria	201509101639	388	218	56%
CY	iTunes Cyprus	201509221810	4390	2427	55%
CZ	iTunes Czech Republic	201509231843	4844	2704	56%
	Megagogo Czech Repub-				
CZ	lic	201510011838	1103	74	7%
CZ	O2 Videotéka	201509111442	515	440	85%
CZ	Voyo Czech	201509111403	1502	1246	83%
DE	allflicks (Netflix Germany)	201509281809	1122	1020	91%
DE	Chili.TV Germany	201509231924	1612	1529	95%
DE	iTunes Germany	201509231144	7913	5649	71%
DE	Maxdome	201509111614	9840	7115	72%
DE	Sky Snap	201509111649	1167	1040	89%
DE	Videoland	201509111549	1575	1480	94%
DE	wuaki.tv Germany	201510061833	1837	1784	97%
DK	Blockbuster	201509091522	5474	4579	84%
DK	allflicks (Netflix Denmark)	201509281809	1607	1479	92%
DK	C More Denmark	201509211335	1448	1191	82%
DK	iTunes Denmark	201509221810	5317	3558	67%
DK	SF Anytime Denmark	201510090904	8203	6121	75%
DK	Yousee Play Film	201509111713	5615	4842	86%
EE	iTunes Estonia	201509231843	4733	2671	56%
EE	Megagogo Estonia	201509211545	892	27	3% ¹
ES	Filmin	201509281809	1139	1022	90%
ES	iTunes Spain	201509230909	4904	3110	63%
ES	wuaki.tv Spain	201510070906	4061	4009	99%
ES	Yomvi	201509281809	856	796	93%
FI	allflicks (Netflix Finland)	201509281809	675	575	85%
FI	C More Finland	201509281809	1314	1227	93%
FI	iTunes Finland	201509221810	5168	3463	67%
FI	SF Anytime Finland	201510072245	7484	5429	73%
FR	allflicks (Netflix France)	201509281809	1055	923	87%
FR	CanalPlay (SVoD)	201510151055	1516	841	55%
FR	iTunes France	201509221008	6717	5132	76%

VoD services highlighted present a low coverage and matching rate due to difficulties in retrieving and matching films titles in Cyrillic and Greek.

FR	Universciné France	201509231843	2987	2473	83%
FR		201509281810	3412	2913	85%
FR	CanalPlayVOD wuaki.tv France		2331	2246	96%
GB		201509241205	1860	1733	98%
	allflicks (Netflix UK)	201509281818			
GB	Chili.TV UK	201509232357	1239	1216	98%
GB	Curzon HomeCinema	201510151806	547	533	97%
GB	iTunes UK	201509231843	8132	5344	66%
GB	wuaki.tv UK	201510071825	3109	3029	97%
GR	Hol Video Club	201510021112	1475	718	49%
GR	iTunes Greece	201509221810	4500	2386	53%
GR	Vodo	201510161140	217	9	4%
HR	Bnet Videoteka	201509291540	576	506	88%
HR	MaxTV	201509291542	1020	741	73%
HR	Oyo	201509291157	270	240	89%
HU	iTunes Hungary	201509221942	4393	2560	58%
IE	iTunes Ireland	201509230909	7819	5212	67%
IE	Volta	201510011838	670	641	96%
IE	wuaki.tv Ireland	201510150936	1212	1195	99%
IT	Chili.TV Italy	201509231852	5165	4794	93%
IT	iTunes Italy	201509222015	5352	3570	67%
IT	Timvision	201510011838	2056	1970	96%
IT	wuaki.tv Italy	201510071539	1218	1188	98%
LT	iTunes Lithuania	201509241836	4341	2537	58%
LT	Megagogo Lithuania	201510021348	1099	33	3%
LU	iTunes Luxembourg	201509222050	6965	4862	70%
LU	Tango	201510151712	1153	1113	97%
LV	iTunes Latvia	201509222109	4173	2346	56%
LV	Lattelcom	201510151757	826	762	92%
LV	Megagogo Latvia	201510021348	1099	36	3%
MT	iTunes Malta	201509222252	5138	3026	59%
	allflicks (Netflix Nether-				
	(
NL	lands)	201509281809	1279	1167	91%
NL NL		201509222258	1279 5133	1167 3287	91% 64%
	lands)				
NL	lands) iTunes Netherlands	201509222258	5133	3287	64%
NL NL	lands) iTunes Netherlands Pathé Thuis	201509222258 201510011838	5133 551	3287 533	64% 97%
NL NL NL	lands) iTunes Netherlands Pathé Thuis Ziggo On-demand	201509222258 201510011838 201510011838	5133 551 2058	3287 533 1784	64% 97% 87%
NL NL NL PL	lands) iTunes Netherlands Pathé Thuis Ziggo On-demand Chili.TV Poland	201509222258 201510011838 201510011838 201509232357	5133 551 2058 1230	3287 533 1784 962	64% 97% 87% 78%
NL NL NL PL PL	lands) iTunes Netherlands Pathé Thuis Ziggo On-demand Chili.TV Poland IPLA TV	201509222258 201510011838 201510011838 201509232357 201510191854	5133 551 2058 1230 1768	3287 533 1784 962 1323	64% 97% 87% 78% 75%
NL NL NL PL PL	lands) iTunes Netherlands Pathé Thuis Ziggo On-demand Chili.TV Poland IPLA TV iTunes Poland	201509222258 201510011838 201510011838 201509232357 201510191854 201509231843	5133 551 2058 1230 1768 4575	3287 533 1784 962 1323 2586	64% 97% 87% 78% 75% 57%
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NL NL PL PL PL PL PL SE SE SE	lands) iTunes Netherlands Pathé Thuis Ziggo On-demand Chili.TV Poland IPLA TV iTunes Poland Kinoplex Gazeta VoD Strefa VoD Toya VoD iTunes Portugal SeeNow allflicks (Netflix Sweden) CDON Sweden C More Sweden	201509222258 201510011838 201510011838 201509232357 201510191854 201509231843 201510210956 201510201111 201510011838 201509222334 201510011838 201509281809 201510191854 201509211434	5133 551 2058 1230 1768 4575 1571 810 712 4001 304 1577 3380 1410	3287 533 1784 962 1323 2586 1301 574 470 1988 216 1455 2564 1357	64% 97% 87% 78% 75% 57% 83% 71% 66% 50% 71% 92% 76%
NL NL PL PL PL PL PL SE SE SE	lands) iTunes Netherlands Pathé Thuis Ziggo On-demand Chili.TV Poland IPLA TV iTunes Poland Kinoplex Gazeta VoD Strefa VoD Toya VoD iTunes Portugal SeeNow allflicks (Netflix Sweden) CDON Sweden C More Sweden iTunes Sweden	201509222258 201510011838 201510011838 201509232357 201510191854 201509231843 201510210956 201510201111 201510011838 201509222334 20150922334 2015109281809 201510191854 201509211434 201509230011	5133 551 2058 1230 1768 4575 1571 810 712 4001 304 1577 3380 1410 5392	3287 533 1784 962 1323 2586 1301 574 470 1988 216 1455 2564 1357 3581	64% 97% 87% 78% 75% 57% 83% 71% 66% 50% 71% 92% 76% 96%
NL NL PL PL PL PL PL SE SE SE SE	lands) iTunes Netherlands Pathé Thuis Ziggo On-demand Chili.TV Poland IPLA TV iTunes Poland Kinoplex Gazeta VoD Strefa VoD Toya VoD iTunes Portugal SeeNow allflicks (Netflix Sweden) CDON Sweden C More Sweden iTunes Sweden Telia Playplus Filmbutiken	201509222258 201510011838 201510011838 201509232357 201510191854 201509231843 201510210956 201510201111 201510011838 201509222334 201509281809 201510191854 201509211434 201509230011 201510201019	5133 551 2058 1230 1768 4575 1571 810 712 4001 304 1577 3380 1410 5392 410	3287 533 1784 962 1323 2586 1301 574 470 1988 216 1455 2564 1357 3581 320	64% 97% 87% 78% 75% 57% 83% 71% 66% 50% 71% 92% 76% 96% 66% 78%
NL NL NL PL PL PL PL PL SE SE SE SE SE	lands) iTunes Netherlands Pathé Thuis Ziggo On-demand Chili.TV Poland IPLA TV iTunes Poland Kinoplex Gazeta VoD Strefa VoD Toya VoD iTunes Portugal SeeNow allflicks (Netflix Sweden) CDON Sweden C More Sweden iTunes Sweden Telia Playplus Filmbutiken SF Anytime Sweden	201509222258 201510011838 201510011838 201509232357 201510191854 201509231843 2015102010956 201510201111 201510011838 201509222334 201509281809 201510191854 201509211434 201509230011 201510201019 201509241714	5133 551 2058 1230 1768 4575 1571 810 712 4001 304 1577 3380 1410 5392 410 8837	3287 533 1784 962 1323 2586 1301 574 470 1988 216 1455 2564 1357 3581 320 6517	64% 97% 87% 78% 75% 57% 83% 71% 66% 50% 71% 92% 76% 96% 66% 78%
NL NL PL PL PL PL PL SE SE SE SE	lands) iTunes Netherlands Pathé Thuis Ziggo On-demand Chili.TV Poland IPLA TV iTunes Poland Kinoplex Gazeta VoD Strefa VoD Toya VoD iTunes Portugal SeeNow allflicks (Netflix Sweden) CDON Sweden C More Sweden iTunes Sweden Telia Playplus Filmbutiken	201509222258 201510011838 201510011838 201509232357 201510191854 201509231843 201510210956 201510201111 201510011838 201509222334 201509281809 201510191854 201509211434 201509230011 201510201019	5133 551 2058 1230 1768 4575 1571 810 712 4001 304 1577 3380 1410 5392 410	3287 533 1784 962 1323 2586 1301 574 470 1988 216 1455 2564 1357 3581 320	64% 97% 87% 78% 75% 57% 83% 71% 66% 50% 71% 92% 76% 96% 66% 78%

1.5 Results presented in this note

<u>Section: The pan-European picture by business model – Origin of films in VoD and SVoD catalogues in the European Union</u>

The first section presents the aggregated results of the research by business model VoD and SVoD and the results for unique films titles by business model VOD and SVoD for all services comprised in this note.

The aggregated results "Cumulated film titles" include every movie (and therefore counting several times a film if there are several presences in VoD catalogues) we were able to retrieve and gives the overview of catalogues by business model (VoD and SVoD) for country of origin and age of production. The aim of this table is to show in a synthetic way the composition of VoD and SVoD services catalogues across the European Union. As films are counted for each occurrence, these figures give the total composition of the catalogues of the VoD and SVoD services analysed.

The aggregated results "Unique films" do count a film only once. This figure shows the variety of films across the European Union and does not represent overall compositions of catalogues but rather shows the diversity of films available in catalogues across the selected services in the EU. This measurement of diversity is not perfect and should be interpreted with care. As films are only counted once, the share of European and EU films is higher than in the cumulated tables as national and European films tend to be lesser present in catalogues across the European Union than films with a country of origin which is international or the US. The figures of the unique film figures should be interpreted in relation with the results of the cumulative overview.

Section: Pan-European VoD services: a picture of catalogues by country

This section presents the results for pan-European/pan-Regional VoD and SVoD services.

The pan-European VoD services that are analysed are:

- Apple's iTunes (VoD) in Austria, Belgium, Bulgaria, Cyprus, Czech Republic, Denmark, Estonia, Finland, France, Germany, Greece, Hungary, Ireland, Italy, Lithuania, Luxembourg, Latvia, Malta, the Netherlands, Poland, Portugal, Sweden, Slovak Republic, Spain and the United Kingdom
- ChiliTV (VoD) in Austria, Germany, Italy, Poland and the United Kingdom
- SF Anytime (VoD) in Demark, Finland and Sweden
- Wuaki.tv (VoD) in Austria, Denmark, France, Ireland, Italy, Spain and the United Kingdom

The pan-European/pan-Regional SVoD services that are analysed are:

- Netflix (through proxy site Allflicks SVoD) in Austria, Denmark, Finland,
 France, Germany, the Netherlands, Sweden and the United Kingdom
- CMore (SVoD) in Denmark, Finland and Sweden

Chapter 4 gives the overview by service and by country of total catalogues and averages of catalogues based on country catalogues. Here films are counted multiple times depending on their occurrence in catalogues. The catalogue averages

for each service are averages based on results of country catalogues.

The main aim of this presentation is to show differences for a same service between its different countries of operation, be it in number of films in catalogues, share of EU and European films and share of national films.

Chapter 4.3 gives a synthetic overview of averages of catalogues.

Chapter 5 gives the overview of the pan-European composition of catalogues for pan-European VoD and SVoD services by only counting film titles once, regardless of their multiple presences in several catalogues. The aim of this figure is to show the diversity of catalogues on a pan-European level for these pan-European services. Here again, as each film is only counted once, films with an European and EU28 origin will be more represented than in the cumulated overview of chapter 3, showing that services tend to have most of the same international and US movies across their catalogues in the EU but have more specific national or EU28 films for each country they are operating in.

Chapter 5.3 gives a synthetic overview of the composition of catalogues on a unique film title basis.

<u>Section: Top 10 film presence in catalogues of the 75 VoD services: films in more than 40 catalogues</u>

In this section, the Top 10 rankings by occurrence in VoD catalogues across the European Union for all 75 VoD services analysed are given, representing 63 individual film titles present on 41 VoD services across the EU or more. Of this 63 individual films most found in the analysed VoD catalogues, 58 have as country of origin the US, or 92% of this Top 10 ranking list.

The ranking for SVoD was not made as the number of services was too low (16) of which Netflix's catalogue represented 50% (8 SVoD catalogues are operated by Netflix in the SVoD services we were able to retrieve).

Section: Results for selected VoD and SVoD services by country

In the chapters 7 to 34 we present the results for individual services analysed per country.

The pan-European picture by business model – Origin of films in SVoD and VoD services in the European Union

Origin of Films in selected VoD catalogues available in the EU

Methodology

This section presents a snapshot of all films available across the EU on selected VoD platforms. The image is presented from both a quantitative and a qualitative point of view by measuring differently the "Film titles" variable.

"Cumulated film titles" is a quantitative indicator calculated by counting a film each time it was present in a catalogue, thus counting multiple times a same film. This figure gives the overview of all VoD services catalogues analysed during the research in the European Union.

"Unique film titles" is an indicator calculated by counting every film title only once across all VoD platforms, therefore adding up all unique films available (single-counting) and thus having an indicator for the VoD portfolio/catalogue diversity across the EU for all VoD catalogues analysed during the research. This method of representing the film catalogues is only indicative and its aim is to give an overview of the variety of films across the EU in selected VoD catalogues. Therefore it should not be used as a representation of VoD catalogues.

Results for 75 VoD services analysed

Table 6 Results - Cumulated film titles of the 75 VoD services analysed – Region of Origin and Age of Production, in %

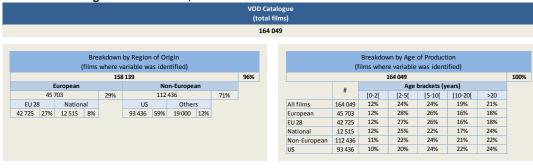


Table 7 Results - Unique film titles of the 75 VoD services analysed - Region of Origin and Age of Production, in %

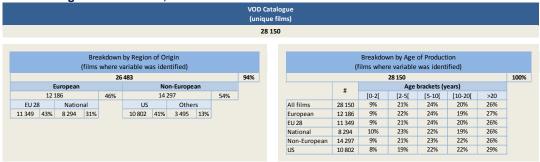
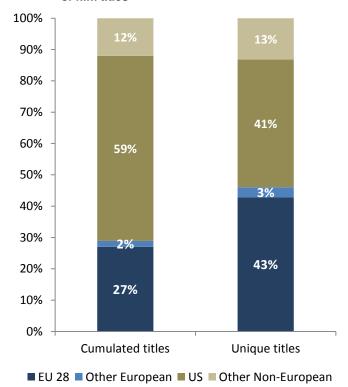


Figure 1 Breakdown by Region of Origin – Cumulated and Unique - 75 VoD catalogues, in % of film titles



100% 90% 80% 70% 19% 20% 60% 50% 24% 24% 40% 30% 24% 20% 21% 10% 12% 9% 0% Cumulated titles Unique titles ■ [0-2[■]2-5] years ■]5-10] years ■]10-20] years ■ >20 years

Figure 2 Breakdown by Age - Cumulated and Unique - 75 VoD catalogues, in % of film titles

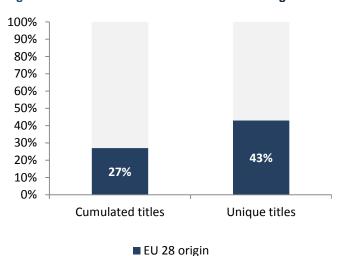


Figure 3 Share of EU films in the 75 VoD catalogues – Cumulated and Unique – in %

Source: OBS Research on VoD catalogues October 2015

<u>Main insights:</u> EU works seem to circulate less than international films on VoD services. EU works, representing 43% of catalogues when film titles are single-counted, represent only 27% when film titles are counted by occurrences in catalogues, suggesting that international films are more often part of VoD catalogues and circulate better across the selected catalogues of VOD services in EU countries. EU films are not part of catalogues as often as international films, according to data comparison between cumulated and unique film titles. A smaller amount of

EU film circulate across the EU than international films, and this finding is also found when looking at chapter 5, the Top 10 rankings of films found on the 75 VoD catalogues in the EU.

Cumulated film titles: The share of films with the main country of origin in the EU 28 is around 27% (45 703 EU film titles out of an overall of 158 139 film titles which have been matched to their country of origin) when all film titles found in the selected 75 VoD catalogues are considered. The share of non-European content is 71% with films which have their main country of origin in the US having a share of 59%. These figures tend to show that international films are more represented in VoD catalogues than films with an EU origin. Also, national films in each country are representing only 8% of films in the catalogues.

Films in the selected VoD catalogues are evenly distributed when it comes to the age of production with the exception of films produced in 2014 and 2015. This is not a big surprise as theatrical release and release on VoD are separated by several months for VoD services, depending on the commercial practice in each country. 36% of films in VoD catalogues are under 5 years old and 40% of films found in VoD catalogues have been produced before 2005, showing the importance of back-catalogues of films even in transactional VoD catalogues.

Unique film titles: When observing unique film titles, it becomes clear that many of the same film titles are found in selected VoD catalogues across the EU, the number of unique film titles being 28 150 compared to cumulated film titles of 164 049 which we have been able to retrieve from the selected VoD catalogues (or only 17.15%). Also, the share of films with an EU origin is much higher than in the cumulated film figures, at 43%, whereas the films with a non-European origin are passing to 54% as opposed to 71% in the cumulative figure. This indicates two facts: international films tend to be present in several VoD catalogues across the EU (the same film is present in several countries) and films with an EU origin tend to be more country-specific (high share of national films at 31%, as we have preferred the option to count a film as national if it was available on a national catalogue) and are not circulating as much on VoD catalogues as international films.

For the age of production of films, it appears that when film titles are only counted once, the ages of films tend to increase. In this case, 46% of films present in the 75 VoD catalogues have been produced before 2006. This shows that older films are more presented in VoD catalogues than more recent films, showing once again the importance for the selected VoD services of back-catalogues of films.

3 Origin of Films in selected SVoD catalogues services available in the EU

Methodology

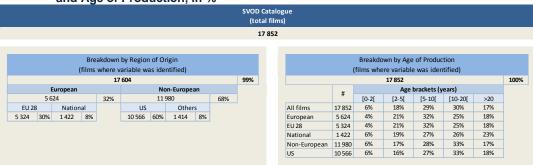
This section presents a snapshot of all films available across the EU on the 16 selected SVoD services. The image is presented from both a quantitative and a qualitative point of view by measuring differently the "Film titles" variable.

"Cumulated film titles" is a quantitative indicator calculated by counting a film each time it was present in a catalogue, thus counting multiple times a same film. This figure gives the overview of all the selected SVoD services catalogues analysed during the research in the European Union.

"Unique film titles" is an indicator calculated by counting every film title only once across all the selected SVoD platforms, therefore adding up all unique films available (single-counting) and thus having an indicator for the SVoD portfolio/catalogue diversity across the EU for all SVoD catalogues analysed during the research. This method of representing the film catalogues is only indicative and its aim is to give an overview of the variety of films across the EU in selected VoD catalogues. Therefore it should not be used as a representation of VoD catalogues.

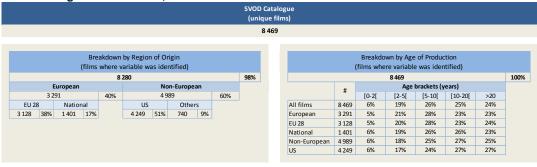
Results for 16 SVoD services analysed

Table 8 Results - Cumulated film titles of the 16 SVoD services analysed - Region of Origin and Age of Production, in %



Source: OBS Research on VoD catalogues October 2015

Table 9 Results - Unique film titles of the 16 SVoD services analysed - Region of Origin and Age of Production, in %



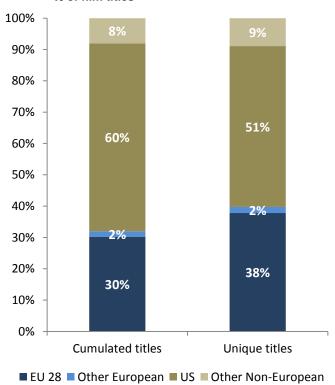


Figure 4 Breakdown by Region of Origin – Cumulated and Unique - 16 SVoD catalogues, in % of film titles

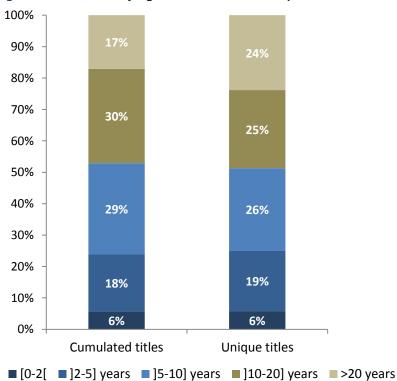


Figure 5 Breakdown by Age - Cumulated and Unique - 16 SVoD catalogues, in % of film titles

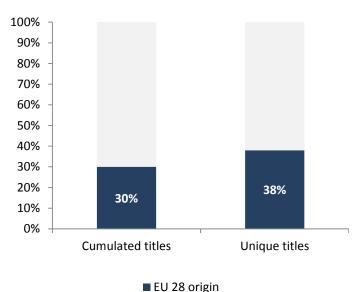


Figure 6 Share of EU films in the 16 SVoD catalogues – Cumulated and Unique – in %

Main insights:

Cumulated film titles

The share of films having as the main country of origin an EU country is around 30% (5324 film titles out of a total of 17 604 films which were matched with a country of origin). The lower amount of film titles than in the VoD service sample is a consequence of the lower number of SVoD services considered (16). Non-European films represented 68% of all film matched with their country of origin (11 980 out of 17 604) with US films representing 60% of all films retrieved and matched of the SVoD catalogues. The shares are almost equal to those found for VoD services, with the same share of national productions (8%) and only 1% to 3% percentage points in differences for the other regions of origin.

The main difference, without much surprise, resides in the age of films in SVoD catalogues which tend to be older. Around 47% of the films found in the catalogues were produced before 2006 and are therefore 10 year or older. Only 6% of the films in the SVoD catalogues were recently produced (2015 and 2014), for the VoD catalogue this share was 12%. This shows the importance of back catalogues of films for SVoD services and the differences of release windows for VoD (transactional or electronic-sell-through) and SVoD services in the EU. Also, films with an EU country of origin represented the smallest share of recent film (produced in 2014 and 2015) with only 4% compared to 6% for films with a national or international country of origin.

- Unique film titles

Here again, as before, international films tend to circulate more than national and EU films. The share of national films in SVoD catalogues rises to 17% when only unique film titles are considered and the share of films with an EU origin to 38% whereas films with an international country of origin are passing from 68% in the cumulated results to 60% when unique film titles are considered, meaning that more of the same films with an international country of production are found in

several EU countries than national or EU films. The same observations as for VoD services remain valid for SVoD services.

The impact on the age of films is not significant and the results are comparable to these of cumulated film titles.

Pan-European SVoD and VoD services: a picture of catalogues by country

In this section, the focus is on pan-European VoD and SVoD services (operating in more than 1 EU country) in order to show differences in catalogues at a country-level of the same service.

Chapter 4 presents the results of each catalogue per pan-European service and the averages calculated by using the different country catalogues. The aim is to show the "average" catalogue of a pan-European service, with all the shortcomings that averages present. The figures of the average catalogue should only be interpreted as a snapshot of the catalogue of a pan-European service, bearing in mind that each country catalogue is different. Differences among the different country catalogues when it comes to the origin of films can be observed, mainly in national films. Country differences when it comes to the age of films are also significant for some of the selected services.

Chapter 5 presents the catalogues of pan-European by single counting film titles. As before, the aim is to show the possible variety in film titles for each pan-European service. A film is only counted once even if it is present in several country catalogues of a service. The aim is to show circulation of films according to their origin in catalogues of a pan-European service.

- Catalogues of pan-European services by country Region of origin and Age of production
- **4.1** SVoD catalogues of pan-European services by country and pan-European average

4.1.1 Netflix

Table 10 Netflix – Catalogue by country: Region of origin and Age of films – in figures and %
Pan-European service:Netflix
Type: SVOD
Coverage: AT, DE, DK, FI, FR, GB, NL, SE

		Pan-Europe	an AVG		AT			DE		DK		FI		FR		G	В	N	L	SE	
	All films	1151			982	2	1	007	7	145	4	571		905		17:	10	11	48	142	8
> *=	European	254	22%		248	26%	2	67	27%	313	22%	100	18%	280	31%	294	17%	223	20%	305	21%
de ig	EU 28	241	21%		236	24%	2	54	25%	290	20%	90	16%	267	30%	286	17%	222	19%	282	20%
Breakdown by Region of Origin*	National	65	6%		0	0%		52	6%	49	3%	0	0%	153	17%	167	10%	54	5%	33	2%
2 C	Non-European	887	78%		724	74%	7.	30	73%	1130	78%	463	82%	614	69%	1402	83%	920	80%	1114	79%
, e	US	785	69%		643	66%	6	12	64%	1016	70%	411	73%	515	58%	1198	71%	855	75%	998	70%
- a	Others	102	9%		81	8%		38	9%	114	8%	52	9%	99	11%	204	12%	65	6%	116	8%
کھ ہے	[0-2[68	6%		33	3%		33	3%	75	5%	47	8%	34	4%	182	11%	6:	. 5%	76	5%
Breakdown by Age of Production	[2-5[254	22%		265	27%	2	76	27%	264	18%	135	24%	104	11%	470	27%	268	23%	253	18%
kdown Age of oductio	[5-10[359	31%		321	33%	3	31	33%	521	36%	195	34%	282	31%	311	18%	402	35%	509	36%
ro A ear	[10-20[328	28%		253	26%	2	55	25%	485	33%	163	29%	353	39%	318	19%	315	27%	479	34%
£	>20	142	12%		110	11%	1	12	11%	109	7%	31	5%	132	15%	429	25%	102	9%	111	8%
	*the films for which	h we had co	untry of	forigin	data av	/ailabl	e														

Source: OBS Research on VoD catalogues October 2015

The average Netflix catalogue in the 8 observed countries has 1151 film titles of which 21% are of EU origin and 6% of national origin. However, high differences between the different country catalogues appear. The French catalogue has the

highest share of national films (representing 17%) and EU films (30%) while the British catalogue has the lowest share of EU films (17%) and the highest for international films (83%). US films represent on average 69% of the films in Netflix's 8 country catalogues, the lowest share of US films is found in the French catalogue of Netflix with 58%. Language difference, different access to film licences and different country tastes from subscribers in each country could explain these differences.

Concerning the age of films, again high differences appear for recent films where the share is the highest in the UK catalogue and the lowest in the countries where Netflix launched last year its service, Austria (3%), Germany (3%) and France (4%). Also, the French catalogue has the highest share of films older than 10 years with 54% of film titles whereas the average EU Netflix catalogue has only 40% of films older than 10 years. Different release windows in the different countries and difficulties to access more recent film titles could explain these differences.

4.1.2 CMore

Table 11 CMore – Catalogue by country: Region of origin and Age of films – in figures and %
Pan-European service: C More

Type: **SVOD**Coverage: **DK, FI, SE**

		Pan-Europe	an AVG	DK		FI		SE	
	All films	1 238	3	1 17	1	1 20	8	1 33	4
_ *_	European	446	36%	409	35%	418	35%	511	39%
d r	EU 28	406	33%	370	32%	385	32%	462	35%
§ Ö	National	71	6%	29	2%	1	0%	182	14%
Breakdown by Region of Origin*	Non-European	782	64%	754	65%	783	65%	810	61%
3re gio	US	706	57%	679	58%	708	59%	730	55%
Re B	Others	77	6%	75	6%	75	6%	80	6%
کم ر	[0-2[76	6%	78	7%	74	6%	77	6%
	[2-5[139	11%	141	12%	131	11%	144	11%
kdov Age o	[5-10[309	25%	301	26%	301	25%	326	24%
Breakdown b Age of Production	[10-20[551	45%	525	45%	544	45%	585	44%
A A	>20	162	13%	126	11%	158	13%	202	15%

*the films for which we had country of origin data available

Source: OBS Research on VoD catalogues October 2015

The average CMore catalogue in the 3 Nordic countries has 1 238 film titles (and here the catalogues are similar except for national film titles). The main difference resides in the share of national film titles among the different catalogues. CMore is operated by TV4 Gruppen (Sweden) and Telenor (Norway) therefore more Swedish content is found in its catalogue (share of 14% of films for Swedish film titles). The share of EU films is around 33% on average and international films are mainly originating from the US (57%).

As for Netflix, older films are mainly found in the catalogues of CMore, with an average share of 58% for films which are 10 years or older. Recent films (produced in 2014 and 2015) represent 6% of the films retrieved, showing again that SVoD services count more on large back-catalogues of films than recent titles. Films produced between 2010 and 2015 represented only 17% of the catalogues, 83% having 5 or more years.

4.2 VoD - catalogues of pan-European services by country and pan-European average

4.2.1 Apple's iTunes

Table 12 iTunes - Catalogue by country: Region of origin and Age of films - in figures and %

Pan-European service: iTunes

Type: VOD

Coverage: AT, BE, BG, CY, CZ, DE, DK, EE, ES, FI, FR, GB, GR, HU, IE, IT, LT, LU, LV, MT, NL, PL, PT, SE, SK

		Pan-European AVG			AT		BE		BG	i	CY		С	z	D	E	DK	(
	All films	3 381			5 46	3	4 60)1	2 33	4	2 36	9	2 6	37	5 5	25	3 43	80
~ *c	European	732	23%		1 811	34%	1 389	31%	286	13%	290	13%	364	15%	921	36%	730	23%
و اق	EU 28	672	21%		1 696	32%	1 309	29%	246	11%	246	11%	322	13%	1779	33%	684	21%
ž o	National	149	5%		108	2%	49	1%	1	0%	0	0%	45	2%	607	11%	201	6%
a kg	Non-European	2 476	77%		3 483	66%	3 064	69%	1 865	87%	1 886	87%	2 080	85%	459	64%	2 503	77%
Breakdown by Region of Origin*	US	1 985	62%		2 720	51%	2 434	55%	1 438	67%	1 461	67%	1 630	67%	924	54%	2 014	62%
Re	Others	492	15%		763	14%	630	14%	427	20%	425	20%	450	18%	535	10%	489	15%
by n	[0-2[383	11%		531	10%	547	12%	287	12%	310	13%	331	13%	472	9%	452	13%
eakdown Age of roduction	[2-5[819	24%		1 331	24%	1 237	27%	526	23%	552	23%	619	23%	351	24%	840	24%
dov ge d	[5-10[690	20%		1 273	23%	867	19%	452	19%	469	20%	529	20%	365	25%	642	19%
Breakdown by Age of Production	[10-20[617	18%		1 013	19%	742	16%	466	20%	433	18%	520	20%	030	19%	633	18%
F G	>20	872	26%		1 315	24%	1 208	26%	603	26%	605	26%	638	24%	307	24%	863	25%

*the films for which we had country of origin data available

EE		ES		FI		FR		GB	3	GR	l	HU	ı	IE		IT	
2 62	7	3 01	.6	3 34	9	4 87	7	5 27	1	2 34	6	2 51	.8	5 14	9	3 51	.7
318	13%	569	20%	608	19%	1 858	39%	1 079	21%	273	13%	291	12%	1 104	22%	1 006	30%
257	11%	542	19%	571	18%	1 759	37%	985	19%	233	11%	264	11%	1 003	20%	979	29%
1	0%	112	4%	79	3%	1 078	22%	552	11%	1	0%	5	0%	40	1%	482	14%
2 117	87%	2 321	80%	2 539	81%	2 948	61%	3 978	79%	1 896	87%	2 046	88%	3 835	78%	2 361	70%
1 671	69%	2 097	73%	2 051	65%	2 546	53%	3 115	62%	1 485	68%	1 607	69%	2 962	60%	1 979	59%
446	18%	224	8%	488	16%	402	8%	863	17%	411	19%	439	19%	873	18%	382	11%
310	12%	267	9%	439	13%	425	9%	629	12%	289	12%	263	10%	625	12%	351	10%
562	21%	734	24%	831	28%	1 133	23%	1 335	25%	493	21%	531	21%	1 319	26%	883	25%
508	19%	672	22%	613	20%	1 089	22%	1 028	20%	453	19%	495	20%	1 001	19%	780	22%
513	20%	613	20%	610	20%	910	19%	815	15%	443	19%	525	21%	835	16%	607	17%
734	28%	730	24%	856	28%	1 320	27%	1 464	28%	668	28%	704	28%	1 369	27%	896	25%
LT		LU	1	LV		MT	Ī	NL		PL		PT		SE		SK	

	•													JL		310	
2 49	99	4 17	5	2 31	.5	2 98	5	3 19	1	2 51	.4	1 94	5	3 44	1	2 43	2
298	13%	992	25%	293	14%	412	15%	828	27%	315	14%	217	12%	703	22%	335	15%
248	11%	916	23%	244	11%	353	13%	766	25%	274	12%	203	11%	628	19%	301	13%
0	0%	7	0%	1	0%	0	0%	166	5%	4	0%	0	0%	173	5%	4	0%
2 025	87%	3 045	75%	1 842	86%	2 366	85%	2 204	73%	2 005	86%	1 562	88%	2 529	78%	1 946	85%
1 587	68%	2 441	60%	1 408	66%	1 817	65%	1 955	64%	1 557	67%	1 179	66%	2 036	63%	1 499	66%
438	19%	604	15%	434	20%	549	20%	249	8%	448	19%	383	22%	493	15%	447	20%
258	10%	468	11%	263	11%	345	12%	390	12%	311	12%	250	13%	465	14%	286	12%
512	20%	1 103	26%	512	22%	637	21%	920	29%	591	24%	472	24%	892	26%	549	23%
507	20%	800	19%	487	21%	558	19%	666	21%	484	19%	408	21%	635	18%	478	20%
500	20%	699	17%	466	20%	543	18%	536	17%	505	20%	365	19%	617	18%	496	20%
722	29%	1 105	26%	587	25%	902	30%	679	21%	623	25%	450	23%	832	24%	623	26%

Source: OBS Research on VoD catalogues October 2015

The average iTunes catalogue has a share of 21% of EU film titles and 5% of national films. These are also the criterions for which the main differences appear in the different country catalogues, with some of iTunes national country catalogues having close to 0% of national films and on the other hand the French catalogue with 22% of national films, the Italian with 14% and the British catalogue with 11%. The share of non-European film titles is around 77% on average, here again with some differences between the country catalogues with several countries having a share close to 85%-88% of non-European film titles (PT, PL, MT, LV, LT, HU, GR,

EE, CZ, CY, BG) and others under 70% (AT, BE, DE, FR). US films represent on average 62% of the films in the different iTunes catalogues.

iTunes being a transactional and electronic-sell-through VoD service, films tend to be more recent with on average 35% of films having less than 5 years, showing the different release windows applied to these services than for SVoD services. Films being 10 years or older still represent 44% of films in the catalogue on average. No significant differences among the country catalogues appear in regard to age of films according to our results.

4.2.2 ChiliTV

Table 13 ChiliTV - Catalogue by country: Region of origin and Age of films - in figures and %

Pan-European service: Chili TV

Type: VOD

Coverage: AT, DE, GB, IT, PL

		Pan-Europe	an AVG		Α٦	Г		DE		GB		IT		PL	
	All films		2 004			1 594		1 516		1 209		4 749		952	2
. *	European	523	26%		288	18%		240	16%	82	7%	1 866	40%	139	15%
own by Origin*	EU 28	515	26%		285	18%		238	16%	80	7%	1 835	39%	139	15%
owr fOr	National	221	11%		72	5%		71	5%	59	5%	879	19%	25	3%
Breakdown by Region of Origin	Non-European	1 469	74%		1 286	82%		1 272	84%	1 126	93%	2 850	60%	811	85%
Bre egic	US	1 381	69%		1 258	80%		1 245	82%	1 102	91%	2 511	53%	791	83%
∝	Others	88	4%		28	2%		27	2%	24	2%	339	7%	20	2%
λq c	[0-2[226	11%		200	13%		193	13%	136	11%	430	9%	173	18%
Breakdown by Age of Production	[2-5[371	19%		267	17%		245	16%	193	16%	984	21%	166	17%
akdowr Age of oductic	[5-10[499	25%		396	25%		378	25%	332	27%	1 164	25%	226	24%
real A Pro	[10-20[468	23%		370	23%		355	23%	310	26%	1 122	24%	184	19%
ā	>20	439	22%		361	23%		345	23%	238	20%	1 049	22%	203	21%

*the films for which we had country of origin data available

Source: OBS Research on VoD catalogues October 2015

ChiliTV being an Italian service, it is with no surprise that the highest share of national films can be found in the Italian catalogue with 19%, well above the average of 11% for national films in the different ChiliTV catalogues. On average, 26% of films in the catalogues are from EU countries and non-European films represent 74%, with US films taking a share of 69% on average. The country catalogue really distinctive from the other ones is the Italian catalogue of ChiliTV where more national and EU content is found than in the other catalogues. ChiliTV having been operating in Italy before entering other markets was more able to secure EU film titles for its Italian market and relied less heavily on international and US film than in its other markets (91% of films in the British catalogue are of US origin). 30% of films have less than 5 years and no major country differences appear. Here again, the share of films having 10 years or more is quite important, representing on average 45% with the notable exception of the Polish catalogue where this share is only 30%. ChiliTV has entered the Polish market at the beginning of 2015 (at the same time it has entered the Austrian market but having been operating in Germany before, the service might have secured some of the same film titles for the Austrian market), and this is seen in the fact that the Polish catalogue has the smallest amount of films in the catalogue and the more recent share of films, with

35% having less than 5 years.

4.2.3 SF Anytime

Table 14 SF Anytime – Catalogue by country: Region of origin and Age of films – in figures and %

Pan-European service: SF Anytime Type: VOD Coverage: DK, FI, SE

		Pan-Europea	an AVG	DK		FI		SE	
	All films	4 128	3	4 15	3 72	22	4 51	.3	
> *_	European	1 220	30%	1 160	29%	1 024	28%	1 475	33%
n b rigi	EU 28	1 158	29%	1 103	27%	968	27%	1 404	32%
§ Ō	National	158	4%	70	2%	65	2%	340	8%
Breakdown by Region of Origin*	Non-European	2 814	70%	2 891	71%	2 585	72%	2 967	67%
3reg gio	US	2 405	60%	2 471	61%	2 226	62%	2 519	57%
Re	Others	409	10%	420	10%	359	10%	448	10%
by n	[0-2[515	12%	536	13%	481	13%	528	12%
wn of of tior	[2-5[1 264	31%	1 271	31%	1 164	31%	1 356	30%
kdov Age o	[5-10[1 417	34%	1 420	34%	1 288	35%	1 543	34%
Breakdown b Age of Production	[10-20[621	15%	623	15%	533	14%	706	16%
P.	>20	312	8%	300	7%	256	7%	380	8%

*the films for which we had country of origin data available

Source: OBS Research on VoD catalogues October 2015

SF Anytime has on average 29% of EU films in its 3 Nordics catalogues. The share for non-European films is around 70% and films produced in the US represented 60% on average of films in the catalogues. The only main difference between the catalogues concerns the share of national films, which represented 8% in the Swedish catalogue and only 2% in the Danish and Finnish catalogues. As for CMore, SF Anytime is owned by Bonnier a Swedish media group which could explain the higher share of national films in the Swedish catalogue.

Films are recent, with 43% of films having less than 5 years on average. The share of films older than 10 years is only around 23% on average, showing that SF Anytime is mostly selling and renting more recent films than the other pan-European services observed before.

4.2.4 Wuaki.tv

Table 15 Wuaki - Catalogue by country: Region of origin and Age of films - in figures and %

Pan-European service: **Wuaki** Type: **VOD** Coverage: **AT, DE, ES, FR, GB, IE, IT**

	Others	Pan-European AVG			АТ		DE	Ε		ES			FR		GE	3	IE			IT
	All films	2110			146	8	176	52		3973			2216		2989		118	3		181
~ *-	European	571	27%		469	32%	511	29%		1095	28%		864	39%	581	20%	227	19%	2	48 21%
rigi:	EU 28	552	26%		458	31%	499	29%		1057	27%		837	38%	563	19%	214	18%	2	39 20%
§ ō	National	221	11%		4	0%	203	12%		359	9%		508	23%	388	13%	4	0%		79 7%
<u> </u>	Non-European	1518	73%		987	68%	1238	71%		2840	72%		1340	61%	2352	80%	944	81%	9	25 79%
gio.	US	1387	66%		892	61%	1133	65%		2577	65%		1180	54%	2182	74%	876	75%	8	67 74%
Re B	Others	131	6%		95	7%	105	6%		263	7%		160	7%	170	6%	68	6%		58 5%
ے و	[0-2[377	18%		335	23%	390	22%		388	10%		392	18%	656	22%	230	19%	2	51 21%
	[2-5[483	23%		390	27%	447	25%		761	19%		498	22%	748	25%	268	23%	2	68 23%
dov ge c	[5-10[472	22%		339	23%	385	22%		994	25%		540	24%	569	19%	227	19%	2	53 21%
Breakdown Age of Production	[10-20[430	20%		236	16%	307	17%		1048	26%		414	19%	556	19%	233	20%	2	13 18%
F G	>20	348	16%		168	11%	233	13%		782	20%		372	17%	459	15%	225	19%	1	96 17%

*the films for which we had country of origin data available

Source: OBS Research on VoD catalogues October 2015

On average, the share of EU film represented 26% of films in the catalogues of wuaki.tv across the 6 EU countries. The French catalogue boosts the higher share of EU films (38%) and national films (23%). Films in the wuaki.tv catalogues are recent with 41% of films having less than 5 years. The Spanish catalogue has the smallest share of recent films (only 10% of films produced the past 2 years) but this could also be explained by the fact that the Spanish catalogue has the most movies overall with 3 973 film titles matched to their country of origin. Wuaki.tv being a Spanish service which expanded to other EU countries only later on, the service might have secured more films for its Spanish service.

4.3 Overview of averages for catalogues of pan-European VoD and SVoD services

Table 16 Overview of Pan-European VoD and SVoD services – Catalogue Averages: Region of origin and Age of films – in figures and %

	All films			Netflix 1151			iTun 3 38			Chili TV 2 004			SF Anytime 4 128			Wua 211	
7.11.111110																	
_ *_	European	254	22%		446	36%	732	23%		523	26%		1 220	30%		571	27%
η by	EU 28	241	21%		406	33%	672	21%		515	26%		1 158	29%		552	26%
Breakdown by egion of Origin'	National	65	6%		71	6%	149	5%		221	11%		158	4%		221	11%
n o	Non-European	887	78%		782	64%	2 476	77%		1 469	74%		2 814	70%		1518	73%
Break	US	785	69%		706	57%	1 985	62%		1 381	69%		2 405	60%		1387	66%
Re B	Others	102	9%		77	6%	492	15%		88	4%		409	10%		131	6%
þ u	[0-2[68	6%		76	6%	383	11%		226	11%		515	12%		377	18%
	[2-5[254	22%		139	11%	819	24%		371	19%		1 264	31%		483	23%
akdown Age of roductio	[5-10[359	31%		309	25%	690	20%		499	25%		1 417	34%		472	22%
Breakdown Age of Productio	[10-20[328	28%		551	45%	617	18%		468	23%		621	15%		430	20%
Д	>20	142	12%		162	13%	872	26%		439	22%		312	8%		348	16%

*the films for which we had country of origin data available

100% 90% 80% 70% 60% 50% 40% 30% 20% 21% 10% 21% 0% Netflix Chili TV C More iTunes SF Anytime Wuaki ■ EU 28 ■ Other European ■ US ■ Other Non-European

Figure 7 Overview of Pan-European VoD and SVoD services – Catalogue Averages: Region of origin – in %

The overview shows that, on average, Netflix and iTunes have the smallest share of EU films in their catalogues with 21%. The highest share for EU films is obtained by the Nordic services CMore and SF Anytime, with respectively 33% and 29%. On the other hand, US films take the highest share with 69% on average in the catalogues of Netflix and ChiliTV. The share of US films in the observed catalogues represent between 57% and 69% on average. ChiliTV and WuakiTV are the services which have on average the highest share for national films, with 11%. The other pan-European services have a share of national films which represent between 4% and 6% of the catalogues on average but as seen above with significant differences among the country catalogues.

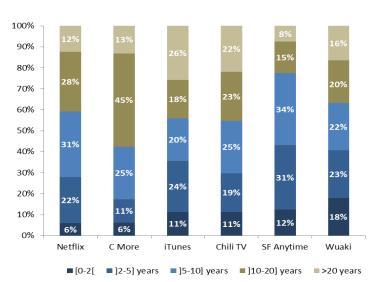


Figure 8 Overview of Pan-European VoD and SVoD services – Catalogue Averages: Age of films – in %

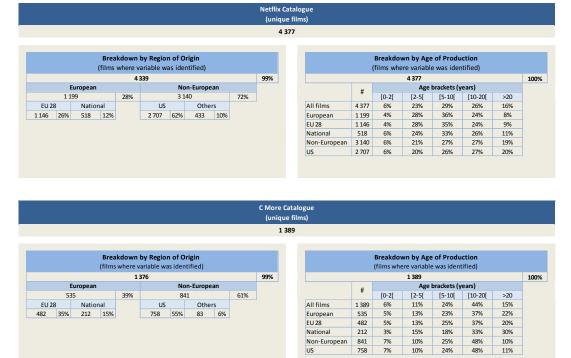
VoD services have the more recent films in their catalogues compared to SVoD services, with share of films younger than 5 years comprised between 30% and 43%. C More has the oldest film on average in its catalogues with 58% of films having more than 10 years; SF Anytime has the lowest share of films older than 10 years in its catalogues with 23%. SF Anytime and wuaki.tv are the services with the highest share of films younger than 5 years, with respectively 43% and 41%.

5 Pan-European catalogues of pan-European VoD and SVoD services by unique film titles

The aim of this chapter is to present the variety of a catalogue of a pan-European service. Film titles are only counted once even if they are present in more than one catalogue. It gives the "overall" catalogue structure of a pan-European service if it could offer all its films in all countries where the service is operating in. However, these figures should be interpreted with care as they are not representative of a market reality, as it was the case for unique film catalogues figures before.

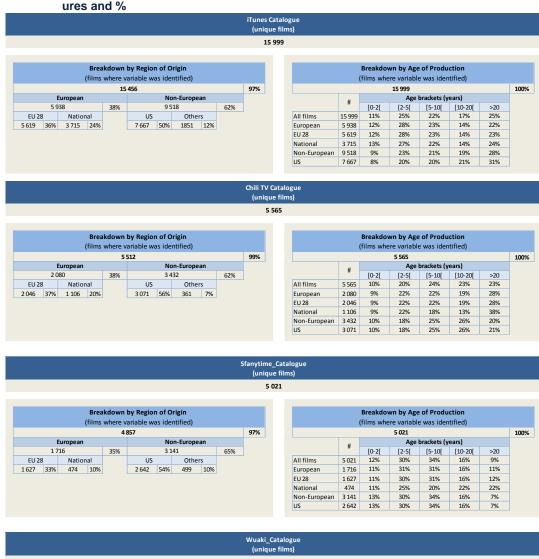
5.1 SVoD services – pan-European catalogue in unique film titles

Table 17 Pan-European catalogue of pan-European SVoD services, unique film titles, in figures and %



5.2 VoD services – pan-European catalogue in unique film titles

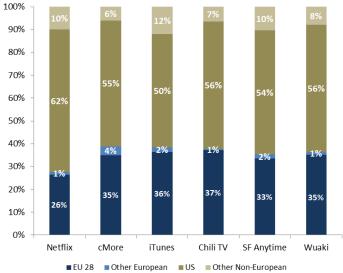
Table 18 Pan-European catalogue of pan-European VoD services, unique film titles, in figures and %



										Wuaki (unio	_Cata que fil										
											6 825										
					by Region		•									e of Produ					
(films where variable was identified) 6717 98%												(films where variable was identified) 6 825									
	E	uropean			, 1,	Nor	n-Europe	an		3070			Age hrackets (years)								
	24	44		36%		4 27	3		64%				#	[0-2[[2-5[[5-10[[10-20[>20	1		
EU 28		Nation	ıal		US		Othe	rs				All films	6 825	15%	23%	23%	21%	18%	1		
2 369	35%	1 545	23%		3 740	56%	533	8%				European	2 444	18%	26%	24%	16%	15%			
												EU 28	2 369	18%	26%	24%	17%	16%			
												National	1 545	22%	26%	21%	16%	15%			
												Non-European	4 273	14%	21%	23%	24%	19%			
												US	3 740	13%	20%	22%	24%	21%			

5.3 Overview of catalogues by unique film titles for pan-European VoD and SVoD services: region of origin and age of films

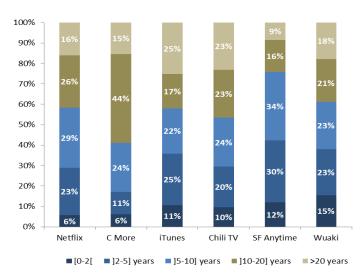
Figure 9 Overview of Pan-European VoD and SVoD services – Unique film titles: Region of origin – in %



Source: OBS Research on VoD catalogues October 2015

Compared to the cumulative figures and averages, it appears again that the share of EU films is higher than when film titles are counted by occurrence, suggesting again that EU films circulate less than international films on the selected VoD services across the EU. VoD and SVoD services seem to include EU films and national films for their country catalogues in specific countries, thus adapting to country tastes or handling with different licences. US films, which shares are comprised between 50% and 62%, are circulating more when compared to the cumulative figures where they made up between 57% and 69% of film catalogues.

Figure 10 Overview of Pan-European VoD and SVoD services – Unique film titles: Age of films – in %



Top 10 film presence in VoD catalogues

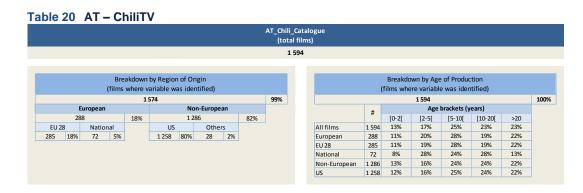
Top 10 film rankings in catalogues of the selected 75 VoD services: films in more than 40 catalogues

Table 19 Top 10 film rankings in VoD catalogues analysed

		Tilm rankings in VoD catalogues a	,	
Rank	No. of VOD catalogues in which the title is present	Film	Year of Production	Countries of Origin
_	50	American Sniper	2014	US
1	50	Run All Night	2015	US
2	49	Furious Seven	2015	US / JP / CN
3	48	Horrible Bosses 2	2014	US
4	47	Inherent Vice	2014	US
	47	Seventh Son	2015	US / GB / CA / CN
	46	Get Smart	2008	US
5	46	Journey 2: The Mysterious Island	2012	US / CB
	46 46	Prince of Persia: The Sands of Time The Fast and the Furious	2010	US / GB US / DE
	46	Valentine's Day	2001	US
	45	Changeling	2008	US
	45	Chappie	2015	US / MX
	45	Harry Potter and the Goblet of Fire	2005	GB INC / US
6	45	Mad Max: Fury Road	2015	AU / US
	45	Night at the Museum: Secret of the Tomb	2014	US
	45	Pirates of the Caribbean: Dead Man's Chest	2006	US
	45	Project X	2012	US
	44	300: Rise of an Empire	2014	US
	44	Cars	2006	US
7	44	Edge of Tomorrow Tangled	2014	US
	44	TRON: Legacy	2010	US
	44	Up	2009	US
	43	Beyond the Lights	2014	US
	43	Charlie and the Chocolate Factory	2005	US / GB INC
	43	Cinderella	2015	US / GB
	43	Interstellar	2014	US / GB
	43	National Treasure	2004	US
8	43	Ouija	2014	US
	43	Pirates of the Caribbean: At World's End	2007	US
	43	Rock of Ages Sucker Punch	2012	US / CA
	43	Ted	2011	US CA
	43	V for Vendetta	2006	GB INC / DE / US
	42	Alice in Wonderland	2010	US
	42	Annabelle	2014	US
	42	Big Hero 6	2014	US
	42	Body of Lies	2008	US
	42	Cars 2	2011	US
	42	Dolphin Tale 2	2014	US
9	42	E.T. the Extra-Terrestrial	1982	US / CD INC/ FC
	42	Exodus: Gods and Kings	2014	US / GB INC/ ES
	42 42	Gone in Sixty Seconds Happy Feet Two	2000	US AU
	42	Red Riding Hood	2011	US / CA
	42	Surrogates	2009	US
	42	The Fast and the Furious: Tokyo Drift	2006	US
	41	Bolt	2008	US
	41	Boyhood	2014	US
	41	Despicable Me: Minion Madness	2010	US
	41	Fast & Furious	2009	US
	41	Forgetting Sarah Marshall	2008	US
	41	G.I. Joe: The Rise of Cobra	2009	US / CZ
10	41	Gladiator	2000	US CRUNC/US
10	41	Harry Potter and the Prisoner of Azkaban Mr. Popper's Penguins	2004	GB INC/ US US
	41	No Way Jose	2011	US
	41	Ocean's Twelve	2015	US / AU
	41	Pacific Rim: Jaeger Pilot Oculus Rift Experience	2004	US
	41	Rise of the Planet of the Apes	2011	US
	41	The Lego Movie	2014	US / AU / DK
	41	Unbroken	2014	US

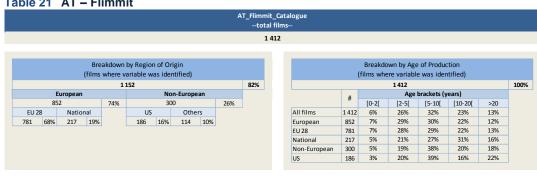
Results for selected VoD and SVoD services by country

AT – Austria: Results for selected VoD and **SVoD** services



Source: OBS Research on VoD catalogues October 2015

Table 21 AT - Flimmit



Source: OBS Research on VoD catalogues October 2015

Table 22 AT - iTunes

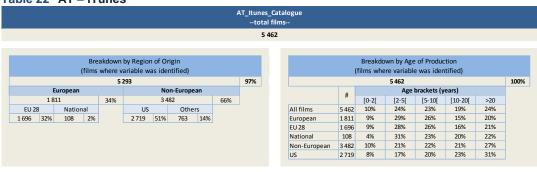


Table 23 AT - Neflix

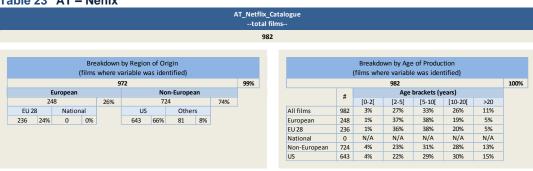
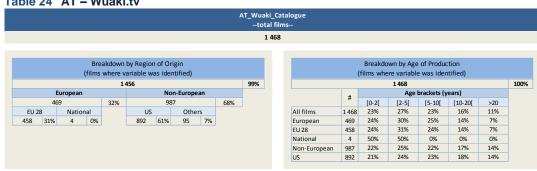


Table 24 AT - Wuaki.tv



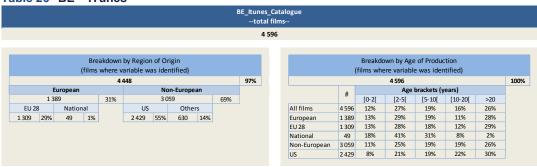
Source: OBS Research on VoD catalogues October 2015

Table 25 AT - VoD catalogue and coverage details

Country	Name of VoD service	Date and Time of retrieval (YYYYMMDDHHHH	Number of films in total cata- logue	Number of films re- trieved	Coverage Ratio
AT	allflicks (Netflix Austria)	201509281809	1098	993	90%
AT	Flimmit	201509071211	2120	1427	67%
AT	Chili.TV Austria	201509232357	1658	1610	97%
AT	iTunes Austria	201509231843	7852	5598	71%
AT	wuaki.tv Austria	201510141838	1535	1490	97%

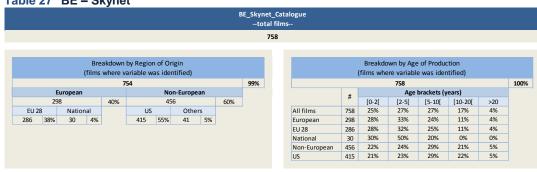
BE - Belgium: Results for selected VoD services

Table 26 BE - iTunes



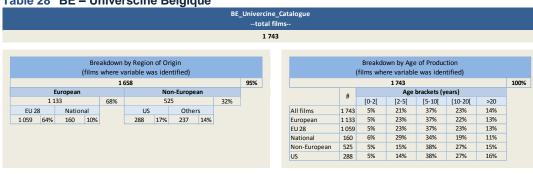
Source: OBS Research on VoD catalogues October 2015

Table 27 BE - Skynet



Source: OBS Research on VoD catalogues October 2015

Table 28 BE – Universciné Belgique



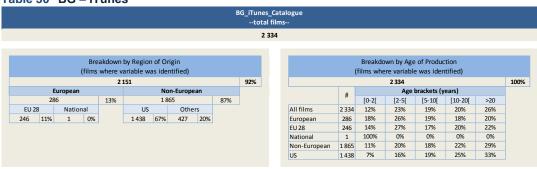
Source: OBS Research on VoD catalogues October 2015

Table 29 BE - VoD catalogue and coverage details

Country	Name of VoD service	Date and Time of retrieval (YYYYMMDDHHHH	Number of films in total cata- logue	Number of films re- trieved	Coverage Ratio
BE	iTunes Belgium	201509230909	7157	5125	72%
BE	Proximus TV Belgacom	201509101617	879	769	87%
BE	Universciné Belgique	201509111422	2097	1755	84%

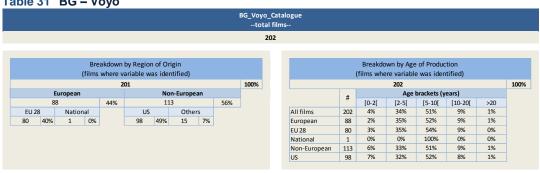
BG - Bulgaria: Results for selected VoD services

Table 30 BG - iTunes



Source: OBS Research on VoD catalogues October 2015

Table 31 BG - Voyo



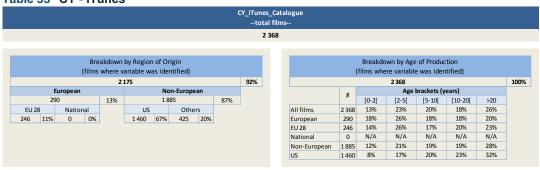
Source: OBS Research on VoD catalogues October 2015

Table 32 BG - VoD catalogue and coverage details

Country	Name of VoD service	Date and Time of retrieval (YYYYMMDDHHHH	Number of films in total cata- logue	Number of films re- trieved	Coverage Ratio
BG	iTunes Bulgaria	201509221810	4394	2362	54%
BG	Voyo Bulgaria	201509101639	388	218	56%

10 CY – Cyprus: Results for selected VoD services

Table 33 CY - iTunes



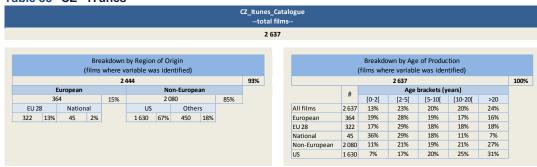
Source: OBS Research on VoD catalogues October 2015

Table 34 CY - VoD catalogue and coverage details

Country	Name of VoD service	Date and Time of retrieval (YYYYMMDDHHHH	Number of films in total cata- logue	Number of films re- trieved	Coverage Ratio
CY	iTunes Cyprus	201509221810	4390	2427	55%

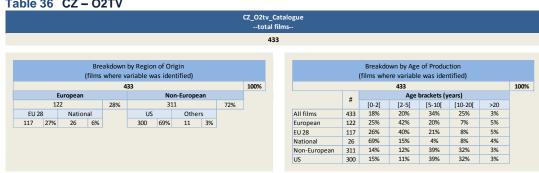
CZ - Czech Republic: Results for selected VoD services

Table 35 CZ - iTunes



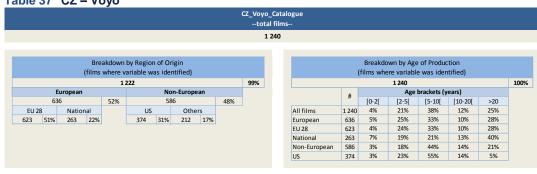
Source: OBS Research on VoD catalogues October 2015

Table 36 CZ - O2TV



Source: OBS Research on VoD catalogues October 2015

Table 37 CZ – Voyo



Source: OBS Research on VoD catalogues October 2015

Table 38 CZ - Megagogo

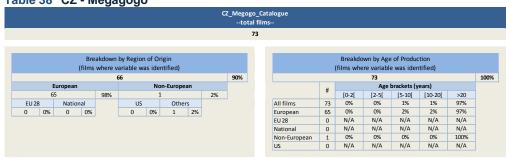
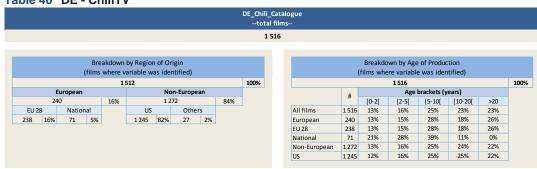


Table 39 CZ - VoD catalogue and coverage details

Country	Name of VoD service	Date and Time of retrieval (YYYYMMDDHHHH	Number of films in total cata- logue	Number of films re- trieved	Coverage Ratio
CZ	iTunes Czech Republic	201509231843	4844	2704	56%
CZ	Megagogo Czech Re- public	201510011838	1103	74	7%
CZ	O2 Videotéka	201509111442	515	440	85%
CZ	Voyo Czech	201509111403	1502	1246	83%

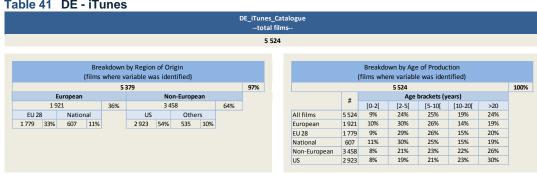
12 DE – Germany: Results for selected VoD and **SVoD** services

Table 40 DE - ChiliTV



Source: OBS Research on VoD catalogues October 2015

Table 41 DE - iTunes



Source: OBS Research on VoD catalogues October 2015

Table 42 DE - Maxdome

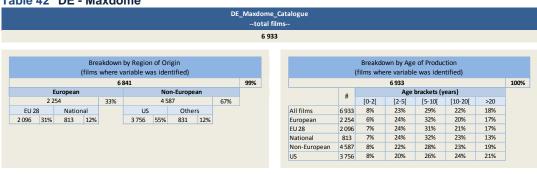


Table 43 DE - Netflix

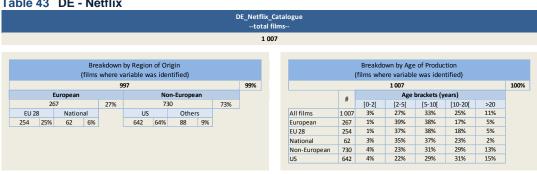


Table 44 DE - Sky Snap

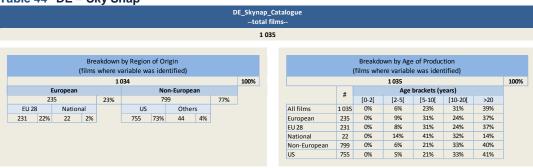
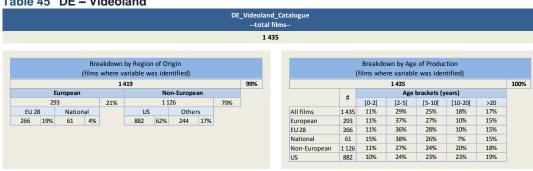
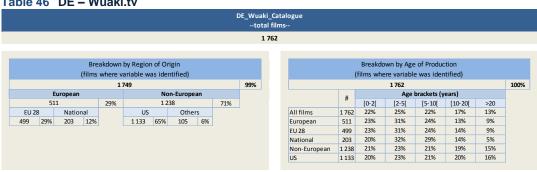


Table 45 DE - Videoland



Source: OBS Research on VoD catalogues October 2015

Table 46 DE - Wuaki.tv



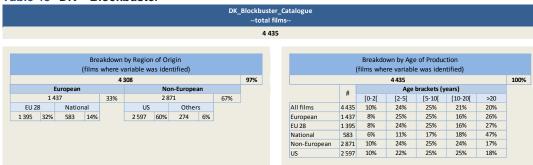
Source: OBS Research on VoD catalogues October 2015

Table 47 DE - VoD catalogue and coverage details

Country	Name of VoD service	Date and Time of retrieval (YYYYMMDDHHHH	Number of films in total cata- logue	Number of films re- trieved	Coverage Ratio
DE	allflicks (Netflix Germa- ny)	201509281809	1122	1020	91%
DE	Chili.TV Germany	201509231924	1612	1529	95%
DE	iTunes Germany	201509231144	7913	5649	71%
DE	Maxdome	201509111614	9840	7115	72%
DE	Sky Snap	201509111649	1167	1040	89%
DE	Videoland	201509111549	1575	1480	94%
DE	wuaki.tv Germany	201510061833	1837	1784	97%

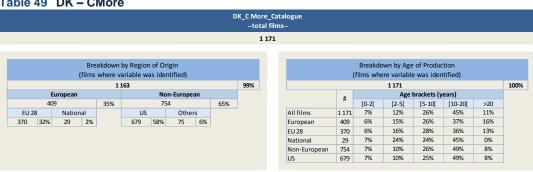
DK - Denmark: Results for selected VoD and **SVoD** services

Table 48 DK - Blockbuster



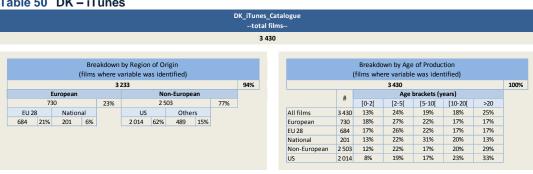
Source: OBS Research on VoD catalogues October 2015

Table 49 DK - CMore



Source: OBS Research on VoD catalogues October 2015

Table 50 DK - iTunes



Source: OBS Research on VoD catalogues October 2015

Table 51 DK - iTunes

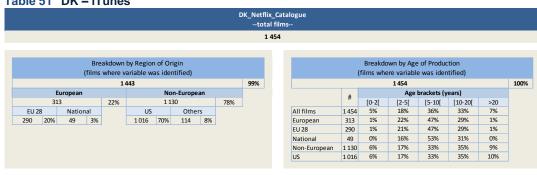


Table 52 DK - SF Anytime

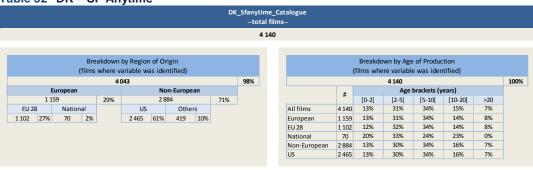
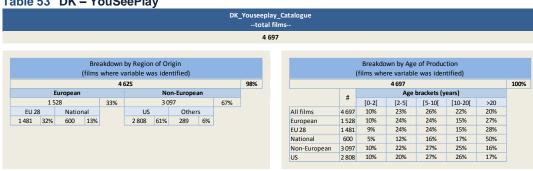


Table 53 DK - YouSeePlay



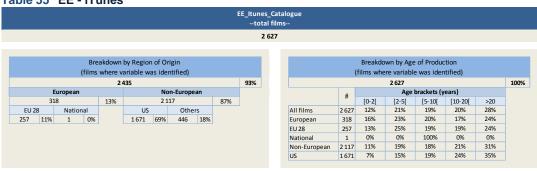
Source: OBS Research on VoD catalogues October 2015

Table 54 DK - VoD catalogue and coverage details

Country	Name of VoD service	Date and Time of retrieval (YYYYMMDDHHHH	Number of films in total catalogue	Number of films re- trieved	Coverage Ratio
DK	Blockbuster	201509091522	5474	4579	84%
DK	allflicks (Netflix Den- mark)	201509281809	1607	1479	92%
DK	C More Denmark	201509211335	1448	1191	82%
DK	iTunes Denmark	201509221810	5317	3558	67%
DK	SF Anytime Denmark	201510090904	8203	6121	75%
DK	Yousee Play Film	201509111713	5615	4842	86%

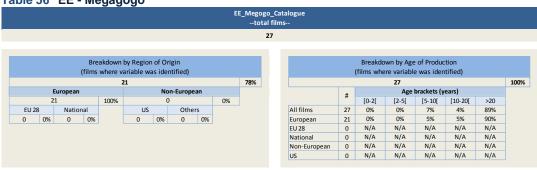
14 EE – Estonia: Results for selected VoD services

Table 55 EE - iTunes



Source: OBS Research on VoD catalogues October 2015

Table 56 EE - Megagogo

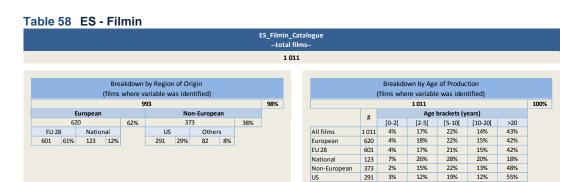


Source: OBS Research on VoD catalogues October 2015

Table 57 EE - VoD catalogue and coverage details

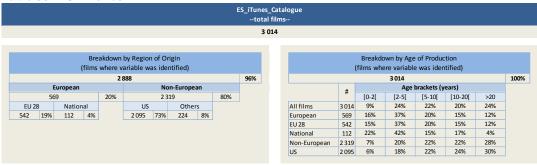
Country	Name of VoD service	Date and Time of retrieval (YYYYMMDDHHHH	Number of films in total cata- logue	Number of films re- trieved	Coverage Ratio
EE	iTunes Estonia	201509231843	4733	2671	56%
EE	Megagogo Estonia	201509211545	892	27	3%

ES - Spain: Results for selected VoD services



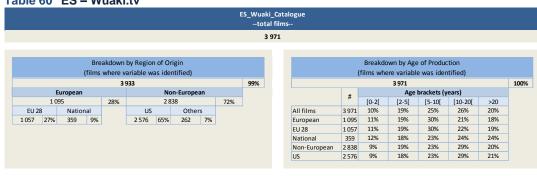
Source: OBS Research on VoD catalogues October 2015

Table 59 ES - iTunes



Source: OBS Research on VoD catalogues October 2015

Table 60 ES - Wuaki.tv



Source: OBS Research on VoD catalogues October 2015

Table 61 ES - Yomvi

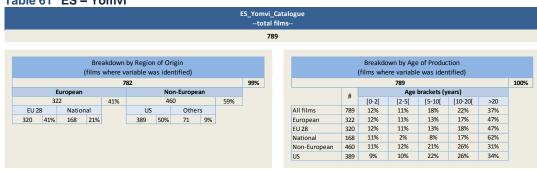
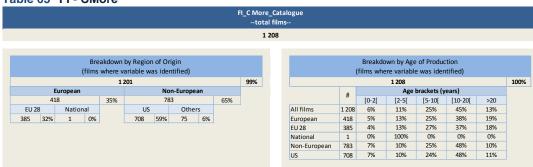


Table 62 ES - VoD catalogue and coverage details

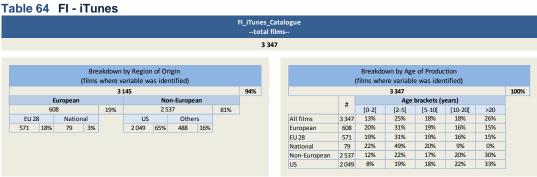
Country	Name of VoD service	Date and Time of retrieval (YYYYMMDDHHHH	Number of films in total catalogue	Number of films re- trieved	Coverage Ratio
ES	Filmin	201509281809	1139	1022	90%
ES	iTunes Spain	201509230909	4904	3110	63%
ES	wuaki.tv Spain	201510070906	4061	4009	99%
ES	Yomvi	201509281809	856	796	93%

FI - Finland: Results for selected VoD and **SVoD** services

Table 63 FI - CMore

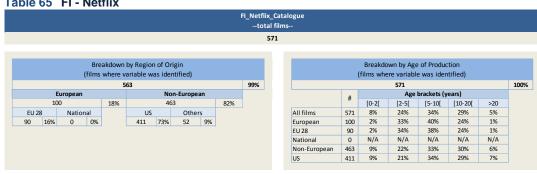


Source: OBS Research on VoD catalogues October 2015



Source: OBS Research on VoD catalogues October 2015

Table 65 FI - Netflix



Source: OBS Research on VoD catalogues October 2015

Table 66 FI - SFAnytime

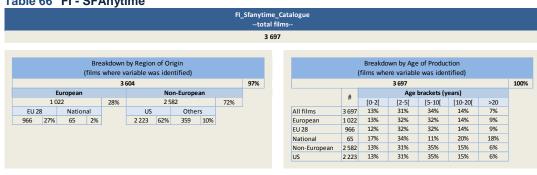
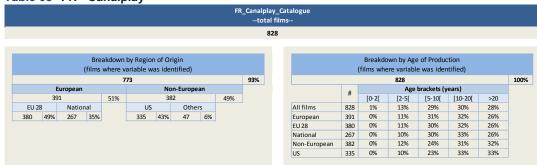


Table 67 FI - VoD catalogue and coverage details

Country	Name of VoD service	Date and Time of retrieval (YYYYMMDDHHHH	Number of films in total cata- logue	Number of films re- trieved	Coverage Ratio
FI	allflicks (Netflix Finland)	201509281809	675	575	85%
FI	C More Finland	201509281809	1314	1227	93%
FI	iTunes Finland	201509221810	5168	3463	67%
FI	SF Anytime Finland	201510072245	7484	5429	73%

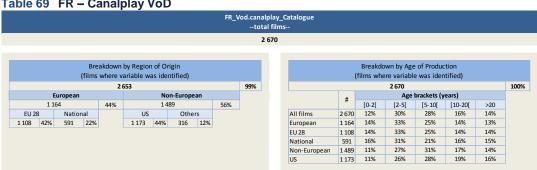
17 FR – France: Results for selected VoD and **SVoD** services





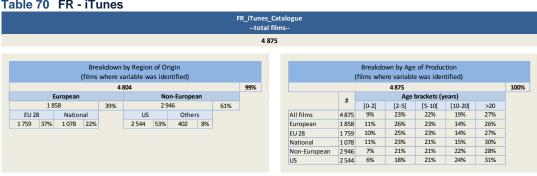
Source: OBS Research on VoD catalogues October 2015

Table 69 FR - Canalplay VoD



Source: OBS Research on VoD catalogues October 2015

Table 70 FR - iTunes



Source: OBS Research on VoD catalogues October 2015

Table 71 FR - Netflix

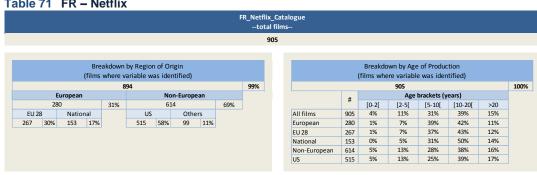


Table 72 FR - Universciné France

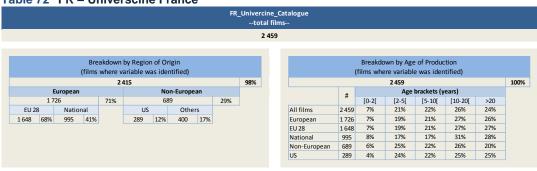
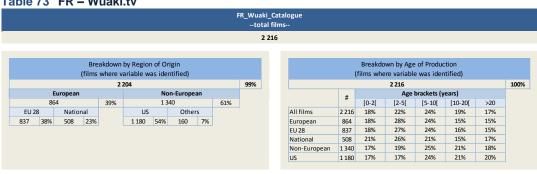


Table 73 FR - Wuaki.tv



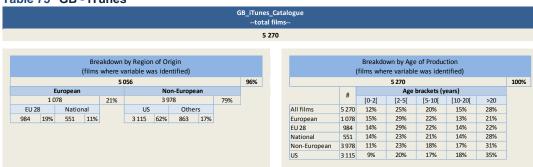
Source: OBS Research on VoD catalogues October 2015

Table 74 FR - VoD catalogue and coverage details

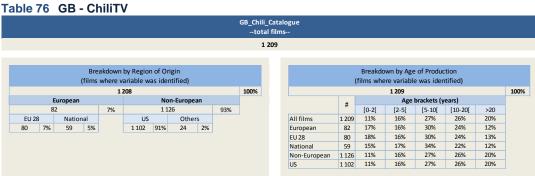
Country	Name of VoD service	Date and Time of retrieval (YYYYMMDDHHHH	Number of films in total cata- logue	Number of films re- trieved	Coverage Ratio
FR	allflicks (Netflix France)	201509281809	1055	923	87%
FR	CanalPlay (SVoD)	201510151055	1516	841	55%
FR	iTunes France	201509221008	6717	5132	76%
FR	Universciné France	201509231843	2987	2473	83%
FR	CanalPlayVOD	201509281810	3412	2913	85%
FR	wuaki.tv France	201509241205	2331	2246	96%

GB - United Kingdom: Results for selected VoD and SVoD services

Table 75 GB - iTunes

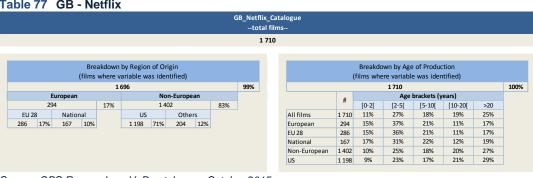


Source: OBS Research on VoD catalogues October 2015



Source: OBS Research on VoD catalogues October 2015

Table 77 GB - Netflix



Source: OBS Research on VoD catalogues October 2015

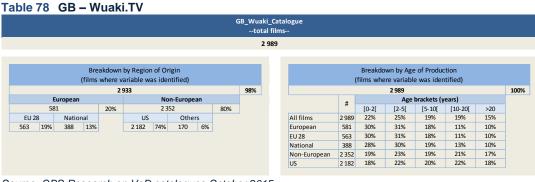


Table 79 GB - Curzon Home Cinema

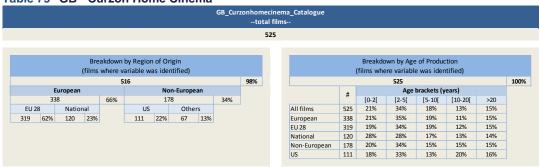
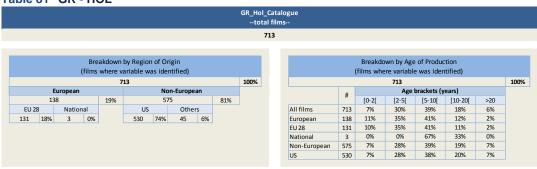


Table 80 GB - VoD catalogue and coverage details

Country	Name of VoD service	Date and Time of retrieval (YYYYMMDDHHHH	Number of films in total cata- logue	Number of films re- trieved	Coverage Ratio
GB	allflicks (Netflix UK)	201509281818	1860	1733	93%
GB	Chili.TV UK	201509232357	1239	1216	98%
GB	Curzon HomeCinema	201510151806	547	533	97%
GB	iTunes UK	201509231843	8132	5344	66%
GB	wuaki.tv UK	201510071825	3109	3029	97%

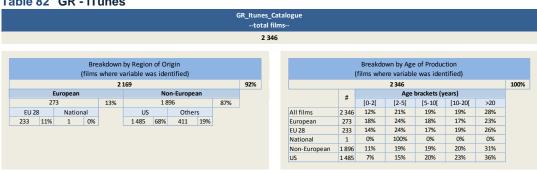
19 GR – Greece: Results for selected VoD services

Table 81 GR - HOL



Source: OBS Research on VoD catalogues October 2015

Table 82 GR - iTunes



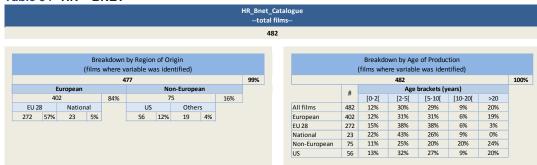
Source: OBS Research on VoD catalogues October 2015

Table 83 GB - VoD catalogue and coverage details

Country	Name of VoD service	Date and Time of retrieval (YYYYMMDDHHHH	Number of films in total cata- logue	Number of films re- trieved	Coverage Ratio
GR	Hol Video Club	201510021112	1475	718	49%
GR	iTunes Greece	201509221810	4500	2386	53%
GR	Vodo	201510161140	217	9	4%

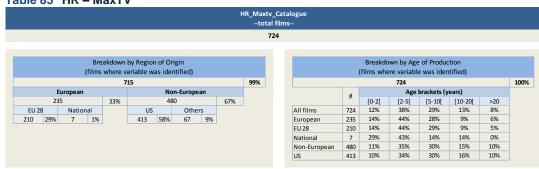
20 HR - Croatia: Results for selected VoD services

Table 84 HR - BNET



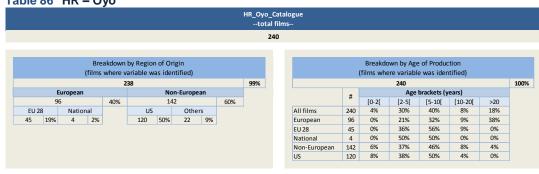
Source: OBS Research on VoD catalogues October 2015

Table 85 HR - MaxTV



Source: OBS Research on VoD catalogues October 2015

Table 86 HR - Oyo



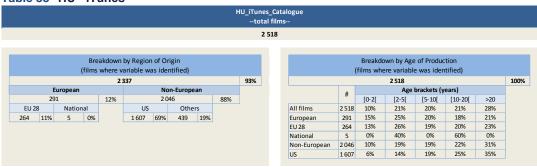
Source: OBS Research on VoD catalogues October 2015

Table 87 HR - VoD catalogue and coverage details

Country	Name of VoD service	Date and Time of retrieval (YYYYMMDDHHHH	Number of films in total catalogue	Number of films re- trieved	Coverage Ratio
HR	Bnet Videoteka	201509291540	576	506	88%
HR	MaxTV	201509291542	1020	741	73%
HR	Oyo	201509291157	270	240	89%

21 HU - Hungary: Results for selected VoD services

Table 88 HU - iTunes



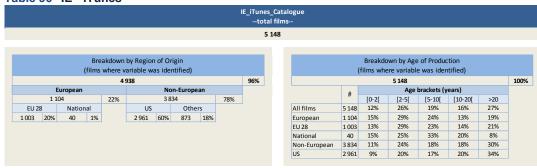
Source: OBS Research on VoD catalogues October 2015

Table 89 HU - VoD catalogue and coverage details

Country	Name of VoD service	Date and Time of retrieval (YYYYMMDDHHHH	Number of films in total catalogue	Number of films re- trieved	Coverage Ratio
HU	iTunes Hungary	201509221942	4393	2560	58%

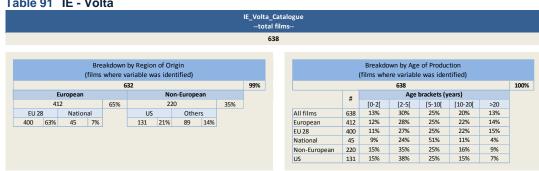
22 IE – Ireland: Results for selected VoD services

Table 90 IE - iTunes



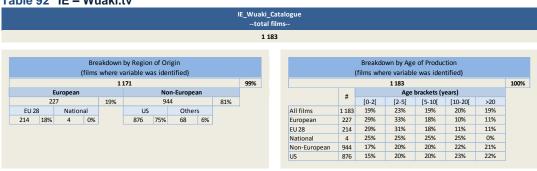
Source: OBS Research on VoD catalogues October 2015

Table 91 IE - Volta



Source: OBS Research on VoD catalogues October 2015

Table 92 IE - Wuaki.tv



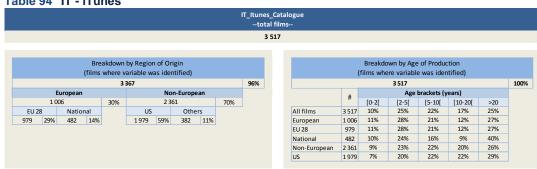
Source: OBS Research on VoD catalogues October 2015

Table 93 IE - VoD catalogue and coverage details

Country	Name of VoD service	Date and Time of retrieval (YYYYMMDDHHHH	Number of films in total cata- logue	Number of films re- trieved	Coverage Ratio
IE	iTunes Ireland	201509230909	7819	5212	67%
IE	Volta	201510011838	670	641	96%
IE	wuaki.tv Ireland	201510150936	1212	1195	99%

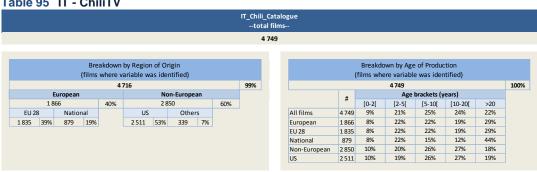
IT - Italy: Results for selected VoD services

Table 94 IT - iTunes



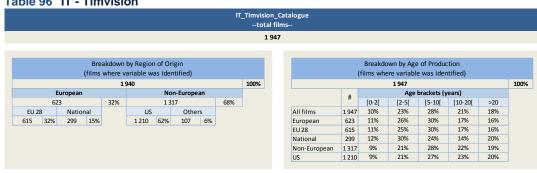
Source: OBS Research on VoD catalogues October 2015

Table 95 IT - ChiliTV



Source: OBS Research on VoD catalogues October 2015

Table 96 IT - Timvision



Source: OBS Research on VoD catalogues October 2015

Table 97 IT - Wuaki.TV

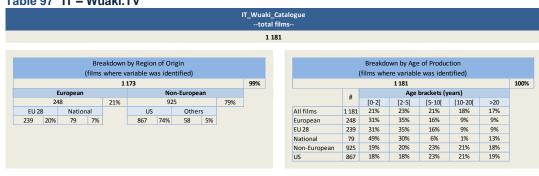
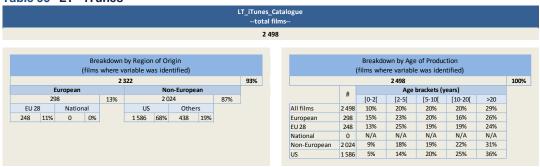


Table 98 IT - VoD catalogue and coverage details

Country	Name of VoD service	Date and Time of retrieval (YYYYMMDDHHHH	Number of films in total cata- logue	Number of films re- trieved	Coverage Ratio
IT	Chili.TV Italy	201509231852	5165	4794	93%
IT	iTunes Italy	201509222015	5352	3570	67%
IT	Timvision	201510011838	2056	1970	96%
IT	wuaki.tv Italy	201510071539	1218	1188	98%

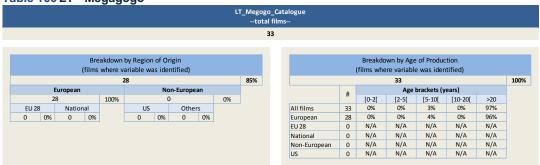
24 LT - Lithuania: Results for selected VoD services

Table 99 LT - iTunes



Source: OBS Research on VoD catalogues October 2015

Table 100 LT - Megagogo



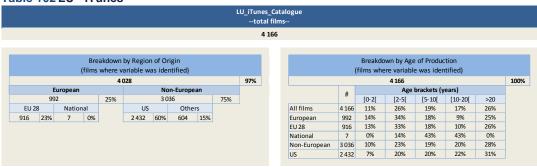
Source: OBS Research on VoD catalogues October 2015

Table 101 LT - VoD catalogue and coverage details

Country	Name of VoD service	Date and Time of retrieval (YYYYMMDDHHHH	Number of films in total cata- logue	Number of films re- trieved	Coverage Ratio
LT	iTunes Lithuania	201509241836	4341	2537	58%
LT	Megagogo Lithuania	201510021348	1099	33	3%

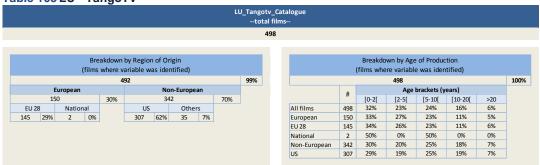
25 LU - Luxembourg: Results for selected VoD services





Source: OBS Research on VoD catalogues October 2015

Table 103 LU - TangoTV



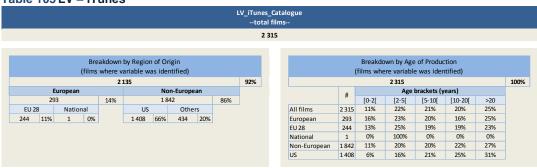
Source: OBS Research on VoD catalogues October 2015

Table 104 LU - VoD catalogue and coverage details

Country	Name of VoD service	Date and Time of retrieval (YYYYMMDDHHHH	Number of films in total cata- logue	Number of films re- trieved	Coverage Ratio
LU	iTunes Luxembourg	201509222050	6965	4862	70%
LU	Tango	201510151712	1153	1113	97%

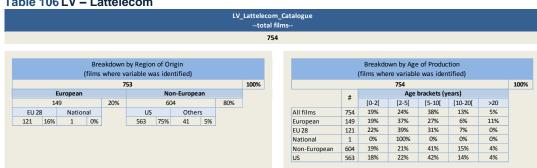
26 LV – Latvia: Results for selected VoD services

Table 105 LV - iTunes



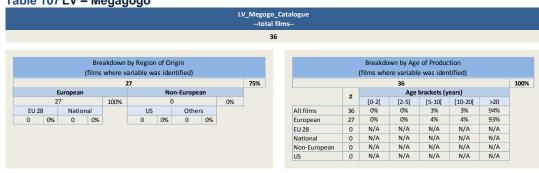
Source: OBS Research on VoD catalogues October 2015

Table 106 LV - Lattelecom



Source: OBS Research on VoD catalogues October 2015

Table 107 LV - Megagogo



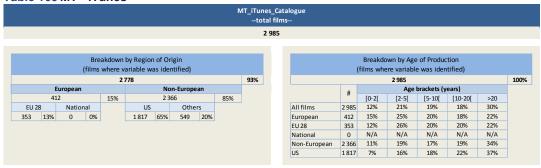
Source: OBS Research on VoD catalogues October 2015

Table 108 LV - VoD catalogue and coverage details

Country	Name of VoD service	Date and Time of retrieval (YYYYMMDDHHHH	Number of films in total cata- logue	Number of films re- trieved	Coverage Ratio
LV	iTunes Latvia	201509222109	4173	2346	56%
LV	Lattelcom	201510151757	826	762	92%
LV	Megagogo Latvia	201510021348	1099	36	3%

27 MT – Malta: Results for selected VoD services

Table 109 MT - iTunes



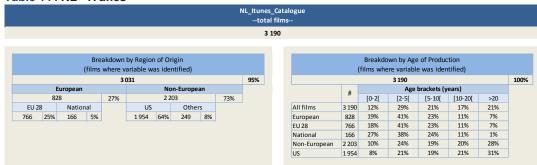
Source: OBS Research on VoD catalogues October 2015

Table 110 MT - VoD catalogue and coverage details

Country	Name of VoD service	Date and Time of retrieval (YYYYMMDDHHHH	Number of films in total catalogue	Number of films re- trieved	Coverage Ratio
MT	iTunes Malta	201509222252	5138	3026	59%

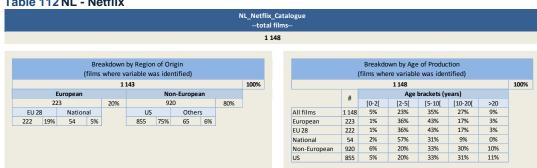
28 NL - Netherlands: Results for selected VoD and SVoD services

Table 111 NL - iTunes



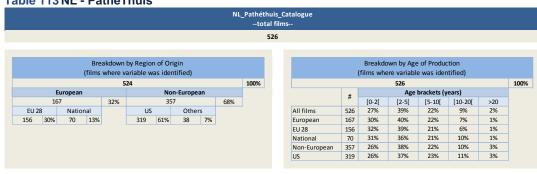
Source: OBS Research on VoD catalogues October 2015

Table 112 NL - Netflix



Source: OBS Research on VoD catalogues October 2015

Table 113 NL - PathéThuis



Source: OBS Research on VoD catalogues October 2015

Table 114 NL - Ziggo

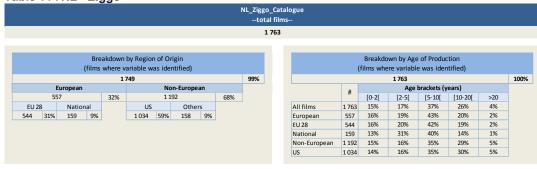
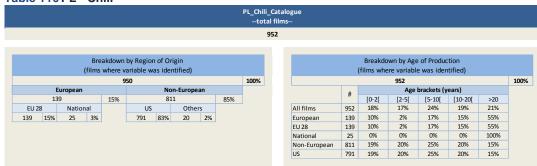


Table 115 NL - VoD catalogue and coverage details

Country	Name of VoD service	Date and Time of retrieval (YYYYMMDDHHHH	Number of films in total cata- logue	Number of films re- trieved	Coverage Ratio
	allflicks (Netflix Nether-				
NL	lands)	201509281809	1279	1167	91%
NL	iTunes Netherlands	201509222258	5133	3287	64%
NL	Pathé Thuis	201510011838	551	533	97%
NL	Ziggo On-demand	201510011838	2058	1784	87%

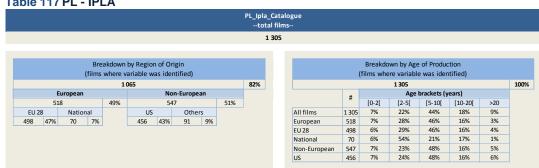
PL – Poland: Results for selected VoD services

Table 116 PL - Chili



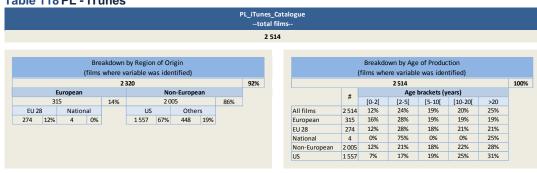
Source: OBS Research on VoD catalogues October 2015

Table 117 PL - IPLA



Source: OBS Research on VoD catalogues October 2015

Table 118 PL - iTunes



Source: OBS Research on VoD catalogues October 2015

Table 119 PL - Kinoplex

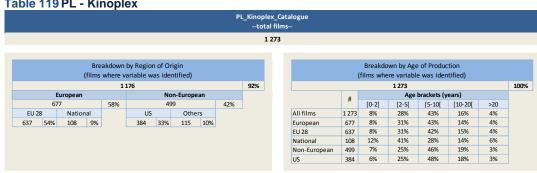


Table 120 PL - StrefaVoD

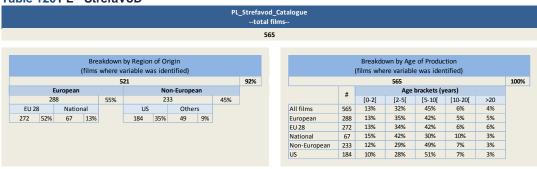
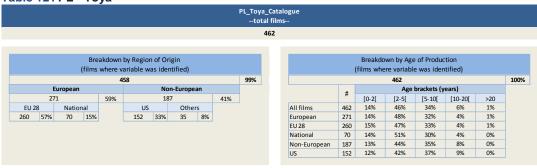


Table 121 PL - Toya



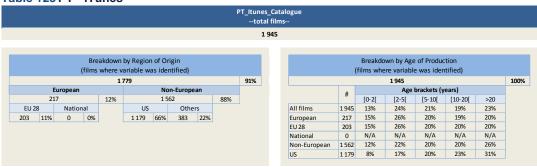
Source: OBS Research on VoD catalogues October 2015

Table 122 PL - VoD catalogue and coverage details

Country	Name of VoD service	Date and Time of retrieval (YYYYMMDDHHHH	Number of films in total cata- logue	Number of films re- trieved	Coverage Ratio
PL	Chili.TV Poland	201509232357	1230	962	78%
PL	IPLA TV	201510191854	1768	1323	75%
PL	iTunes Poland	201509231843	4575	2586	57%
PL	Kinoplex Gazeta VoD	201510210956	1571	1301	83%
PL	Strefa VoD	201510201111	810	574	71%
PL	Toya VoD	201510011838	712	470	66%

30 PT – Portugal: Results for selected VoD services





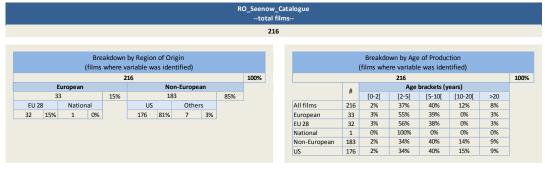
Source: OBS Research on VoD catalogues October 2015

Table 124 PT - VoD catalogue and coverage details

Country	Name of VoD service	Date and Time of retrieval (YYYYMMDDHHHH	Number of films in total cata- logue	Number of films re- trieved	Coverage Ratio
PT	iTunes Portugal	201509222334	4001	1988	50%

31 RO – Romania: Results for selected VoD services





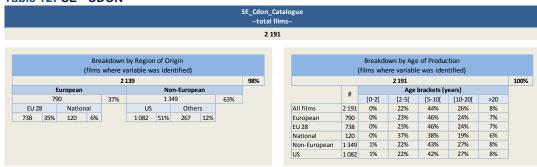
Source: OBS Research on VoD catalogues October 2015

Table 126 RO - VoD catalogue and coverage details

Country	Name of VoD service	Date and Time of retrieval (YYYYMMDDHHHH	Number of films in total cata- logue	Number of films re- trieved	Coverage Ratio
RO	SeeNow	201510011838	304	216	71%

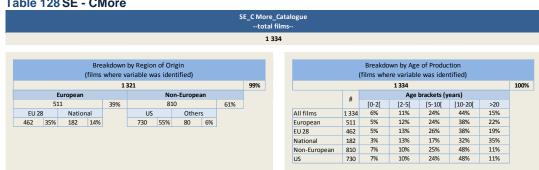
32 SE - Sweden: Results for selected VoD and **SVoD** services

Table 127 SE - CDON



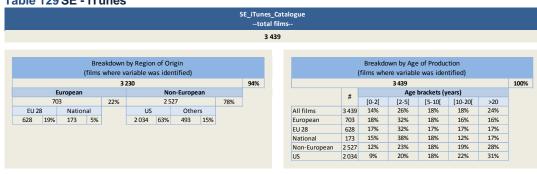
Source: OBS Research on VoD catalogues October 2015

Table 128 SE - CMore



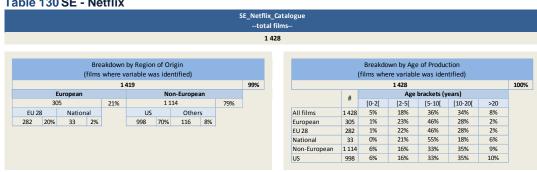
Source: OBS Research on VoD catalogues October 2015

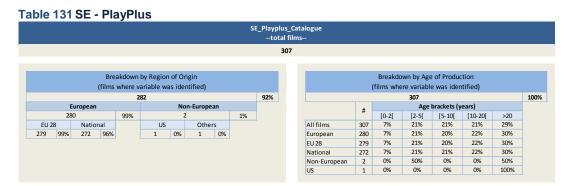
Table 129 SE - iTunes



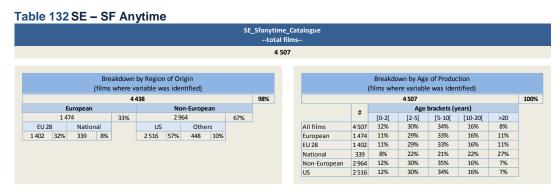
Source: OBS Research on VoD catalogues October 2015

Table 130 SE - Netflix





Source: OBS Research on VoD catalogues October 2015



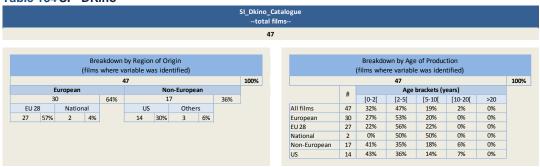
Source: OBS Research on VoD catalogues October 2015

Table 133 SE - VoD catalogue and coverage details

Country	Name of VoD service	Date and Time of retrieval (YYYYMMDDHHHH	Number of films in total cata- logue	Number of films re- trieved	Coverage Ratio
SE	allflicks (Netflix Sweden)	201509281809	1577	1455	92%
SE	CDON Sweden	201510191854	3380	2564	76%
SE	C More Sweden	201509211434	1410	1357	96%
SE	iTunes Sweden	201509230011	5392	3581	66%
SE	Telia Playplus Filmbutiken	201510201019	410	320	78%
SE	SF Anytime Sweden	201509241714	8837	6517	74%

33 SI – Slovenia: Results for selected VoD services

Table 134 SI - DKino



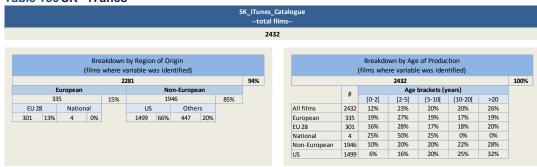
Source: OBS Research on VoD catalogues October 2015

Table 135 SI - VoD catalogue and coverage details

Country	Name of VoD service	Date and Time of retrieval (YYYYMMDDHHHH	Number of films in total cata- logue	Number of films re- trieved	Coverage Ratio
SI	Dkino	201510011824	49	47	96%

34 SK – Slovakia: Results for selected VoD services





Source: OBS Research on VoD catalogues October 2015

Table 137 SK - VoD catalogue and coverage details

Country	Name of VoD service	Date and Time of retrieval (YYYYMMDDHHHH	Number of films in total cata- logue	Number of films re- trieved	Coverage Ratio
SK	iTunes Slovakia	201509230011	4235	2481	59%

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