

The summary results of the Satellite Account on Culture and Creative Industry of the Slovak Republic (2012-2017)

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The document describes the results of the Satellite Account of Culture and Creative Industry of the Slovak Republic for the years 2012-2017 in the form of tables and charts.

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List of abbreviations used in the text and their explanation

Generally:

SO SR	Statistical Office of the Slovak Republic
MC SR	Ministry of Culture of the Slovak Republic
INFOSTAT	Institute of Informatics and Statistics
Eurostat	Statistical Office of the European Union
SNA	System of National Accounts
NA	National Accounts
SUT	Supply and Use Tables
VA	Value Added
GDP	Gross Domestic Product
CCI	Culture and Creative Industry
SA CCI SR	Satellite Account on Culture and Creative Industry of the Slovak Republic

Classifications:

NACE	The Statistical Classification of Economic Activities
CPA	Classification of Products by Activities
ISCO	International Standard Classification of Occupation

1 Introduction

The Satellite Account on Culture and Creative Industry of the Slovak Republic started to be built in 2015 on the initiative of the Ministry of Culture of the Slovak Republic, which submitted this request to the Statistical Office of the Slovak Republic. The INFOSTAT - Institute of Informatics and Statistics, which was founded by the Statistical Office of the Slovak Republic, was entrusted with the task.

The SA CCI SR depicts the CCI sector in detailed classifications and subdivisions that the SNA central framework does not allow. SA CCI is based on the same principles of accounting, classifications and definitions as the SNA SR.

The aim of the SA CCI SR is to estimate the economic significance of the CCI sector based on the supply and use tables of the system of national accounts and existing supplementary sources from statistical surveys of the Statistical Office of the Slovak Republic, the Ministry of Culture and other administrative data sources.

The methodology and content of the satellite account of culture and creative industry of the Slovak Republic is based on the ESSnet-Culture final report published in 2012.

Between 2015 and 2017, the detailed methodology of the creation of the SA CCI SR was elaborated, in three materials [1,2,3]. The starting points for construction of the SA CCI SR, the analysis of available data sources suitable for use in SA CCI SR and the proposal of methodology of creation of SA CCI SR were described in these materials. For the first time the experimental SA CCI SR was prepared for the reference year 2012. Between 2012 and 2016, the experimental account for next years was carried out. Gradually, the accounts were modified in terms of methodology and content, and in 2017 the official versions for whole period were prepared.

1.1 Definition the scope of the culture and creative industries

Satellite Account on Culture and Creative Industry SR provides information on the CCI sector

- from the perspective of CCI industries (units providing CCI services)
- in terms of CCI-related products (CCI products and services produced by all industries of the economy).

The CCI industries (based on NACE classification) have been grouped into domain:

O₁ Cultural heritage

O₂ Periodical and non-periodical printing

O₃ Visual arts and crafts

O₄ Architecture

O₅ Performing arts

O₆ Audiovisual and multimedia

O₇ Advertising

O₈ Art education

O₉ Support services for CCI
Industries out of CCI (but products of CCI)

The core of SA CCI SR is formed by 8 basic domains (**O₁-O₈**). Each of them consists of particular industries of CCI within the NACE classification fully or partly.

O₁ includes the activities of libraries, archives, museums and the operation of historical monuments and tourist attractions.

O₂ includes activities related to creating, publishing, and distributing books, periodical and non-periodical printing in various formats.

O₃ includes painting, sculpture, photography and specialized design activities.

O₄ includes activities related to architectural services.

O₅ includes various forms of artistic performances such as theatre, dance, music and concerts, whether classical or popular music, and the operation of cultural facilities.

O₆ includes activities related to film, video, music, television and radio and other audiovisual formats.

O₇ includes activities related to advertising services.

O₈ includes activities related to artistic (music, dance, art and other) education.

In addition to the core domains, the O₉ domain was added containing the supporting services for the CCI areas. Only a small part of the production of these activities can be included in the CCI (there are retail activities, cultural management, copyright protection, cultural and recreational associations).

In addition to CCI domains, SA CCI SR comprises also production of non-CCI industries which is created by cultural products.

The output of the CCI sector in the individual CCI industries as well as in other industries of the economy is further specified by CCI products defined by the product classification (CPA). In the domains (O₁-O₈), which form the core of the culture sector, the production of industries is created mainly by CCI products. In the CCI support industries (O₉), only part of their production belongs in the CCI. Even non-CCI industries can produce CCI products.

SA CCI SR is based on the classification of products defined by ESSnet-Culture, which has been adapted to the available statistical data in the SR.

CCI-related groups of products have been defined as follows:

P₁ Heritage, Archives, Libraries

P₂ Books and press

P₃ Visual arts services

P₄ Architecture services

P₅ Performing arts services

P₆ Audiovisual and multimedia

P₇ Advertising services

P₈ Interdisciplinary products

P₉ Minor products of CCI

P₁ includes library and archive services (collection, cataloging, searching, lending); operation of museums, historical monuments and tourist attractions (organization of exhibitions, displaying collections of all kinds, protection of historical monuments).

P₂ includes book publishing, periodical and other publishing services, as well as bookbinding services.

P₃ includes art-related services, specialized design and photography services.

P₄ includes architectural services and consultancy.

P₅ includes services related to the performing arts, the operation of cultural facilities and ticket reservations.

P₆ includes computer game publishing services, film, video, sound recording, production and broadcasting of radio and television programs, rental of video tapes and discs, and original computer game software

P₇ includes comprehensive advertising and advertising design services.

P₈ includes news agency services, arts education services, interpretation and translation services.

P₉ includes retail services (with stamps, coins, souvenirs, works of art and antiques, books, newspapers, magazines and audio-video recordings), partly public administration services, other professional, technical and commercial services, administrative services in recreational, cultural and religious, and the services of other member organizations.

1.2 Data sources of SA CCI SR

Various available data sources are used for compounding of SA CCI SR tables:

- Statistical survey SO SR for big and small non-financial enterprises, for non-profit institutions serving households, surveys for subsidised and budgetary organisations,
- other statistical surveys of the SO SR: on labour, on income and expenditures of households, on foreign trade,
- administrative data (financial statements) for sole traders, persons not registered in the business register, business entities, units classified to the general government sector,
- data from the SNA of the Slovak Republic (Supply and use tables, employment ...)
- organisations register managed by SO SR,
- statistics of the National Bank of the Slovak Republic,
- statistical surveys of the Ministry of Culture of the Slovak Republic type KULT,
- data publicly available on the Internet (e.g. financial statements, annual reports, yearbooks, etc.)
- financial report data (from income tax declarations).

2 The main outputs of the Satellite Account of Culture and Creative Industry SR

The impact of the cultural and creative industries on the whole economy can also be assessed from two points of view:

- as the impact of CCI industries (providers) on the economy and their comparison with other industries. The whole output or value added of the core CCI industries are analysed.
- as the effect of production or value added of CCI, which was separated from the main supporting as well as other industries of the economy (only the CCI products).

In the final output presented in this document we have applied a second perspective, i.e. we present production, respectively value added containing only CCI products.

2.1 Value added in the CCI sector

The value added (VA) in the CCI sector is represented by newly created value of CCI products produced by each unit of that sector. It is calculated as the difference between the production of CCI and relating intermediate consumption (costs of used energy, goods and services) of all industries of the economy. The value added of CCI in 2017 was 1,359.558 mill. EUR, in comparison with 2016 it was a slight increase by 3.848 mill. EUR. The core domains (O₁-O₈) represents about 65.9%, support services of CCI (O₉) about 7.4% and other industries about 26.7% of the VA of the whole CCI sector. Compared to the whole economy, the VA of CCI, represents 1.78% in 2017 (a slight decrease of 0.06% compared to 2016).

Table 1a Value added of CCI in the period 2012-2017 (mill. EUR)

Domains (by industries)	Value Added						
	Year	2012	2013	2014	2015	2016	2017
O ₁ Cultural heritage		76.875	81.335	80.733	91.709	105.674	104.394
O ₂ Periodical and non-periodical printing		144.290	102.924	103.102	125.925	113.247	100.778
O ₃ Visual arts and crafts		31.165	38.216	30.462	33.804	39.632	44.556
O ₄ Architecture		64.289	61.113	61.624	88.640	94.314	109.669
O ₅ Performing arts		91.063	96.956	96.588	87.885	113.238	127.678
O ₆ Audiovisual and multimedia		122.589	87.396	97.462	113.577	123.157	124.394
O ₇ Advertising		182.794	210.766	225.987	246.407	243.370	185.536
O ₈ Art education		67.905	72.964	78.740	84.792	93.037	99.112
O ₉ Support services for CCI		101.297	101.343	61.674	76.284	93.384	100.389
Industries out of CCI (but products of CCI)		254.771	268.965	228.687	254.848	334.658	363.051
Total CCI		1,137.037	1,121.980	1,065.059	1,203.872	1,353.710	1,359.558
Total economy		66,410.254	67,521.912	68,907.405	71,446.187	73,436.195	76,430.454
Share of VA of CCI in VA of economy (%)		1.71	1.66	1.55	1.69	1.84	1.78

Table 1b Share of VA of CCI by domains in VA of the whole economy in the period 2012-2017 (%)

Domains (by industries)	Value Added						
	Year	2012	2013	2014	2015	2016	2017
O ₁ Cultural heritage		0.12	0.12	0.12	0.13	0.14	0.14
O ₂ Periodical and non-periodical printing		0.22	0.15	0.15	0.18	0.15	0.13
O ₃ Visual arts and crafts		0.05	0.06	0.04	0.05	0.05	0.06
O ₄ Architecture		0.10	0.09	0.09	0.12	0.13	0.14
O ₅ Performing arts		0.14	0.14	0.14	0.12	0.15	0.17
O ₆ Audiovisual and multimedia		0.18	0.13	0.14	0.16	0.17	0.16
O ₇ Advertising		0.28	0.31	0.33	0.34	0.33	0.24
O ₈ Art education		0.10	0.11	0.11	0.12	0.13	0.13
O ₉ Support services for CCI		0.15	0.15	0.09	0.11	0.13	0.13
Industries out of CCI (but products of CCI)		0.38	0.40	0.33	0.36	0.46	0.48
Total CCI		1.71	1.66	1.55	1.69	1.84	1.78

Table 1c Share of VA of CCI by domains in VA of the whole CCI sector in the period 2012-2017 (%)

Domains (by industries)	Value Added						
	Year	2012	2013	2014	2015	2016	2017
O ₁ Cultural heritage		6.76	7.25	7.58	7.62	7.81	7.68
O ₂ Periodical and non-periodical printing		12.69	9.17	9.68	10.46	8.37	7.41
O ₃ Visual arts and crafts		2.74	3.41	2.86	2.81	2.93	3.28
O ₄ Architecture		5.65	5.45	5.79	7.36	6.97	8.07
O ₅ Performing arts		8.01	8.64	9.07	7.30	8.37	9.39
O ₆ Audiovisual and multimedia		10.78	7.79	9.15	9.43	9.10	9.15
O ₇ Advertising		16.08	18.79	21.22	20.47	17.98	13.65
O ₈ Art education		5.97	6.50	7.39	7.04	6.87	7.29
O ₉ Support services for CCI		8.91	9.03	5.79	6.34	6.90	7.38
Industries out of CCI (but products of CCI)		22.41	23.97	21.47	21.17	24.72	26.70
Total CCI		100.00	100.00	100.00	100.00	100.00	100.00

2.2 Gross domestic product in the CCI sector

Gross domestic product (GDP) is one of the most monitored economic indicators of the economy. GDP in the CCI sector has been calculated by the production approach as the sum of the value added of CCI and net taxes on CCI products. The gross domestic product of CCI in 2017 amounted to 1,391.034 mill. This represented a slight increase of EUR 22.209 mill. EUR compared to 2016. The core domains (O1-O8) represent about 68 %, *Support services for CCIs* (O9) about 6 % and *Industries out of CCI* represent about 26 % of the GDP of the whole CCI sector. The share of GDP of CCI sector was 1.64% to GDP of the whole economy in 2017, which was a slight decrease by 0.05% compared to 2016.

Table 2a Gross domestic product of CCI in the period 2012-2017 (mill. EUR)

Domains (by industries)	Gross domestic product						
	Year	2012	2013	2014	2015	2016	2017
O ₁ Cultural heritage		75.962	80.363	79.684	90.195	105.674	104.394
O ₂ Periodical and non-periodical printing		149.457	100.246	130.643	132.323	116.373	120.483
O ₃ Visual arts and crafts		33.545	40.852	32.970	36.809	42.376	48.407
O ₄ Architecture		64.991	62.234	62.682	89.522	95.298	111.187
O ₅ Performing arts		93.213	99.235	99.783	90.451	114.904	129.875
O ₆ Audiovisual and multimedia		138.360	113.555	122.872	130.407	144.156	142.498
O ₇ Advertising		189.134	220.041	236.594	259.728	256.352	192.404
O ₈ Art education		67.879	72.957	78.733	84.792	93.032	99.106
O ₉ Support services for CCI		76.675	74.076	47.086	57.828	74.198	87.130
Industries out of CCI (but products of CCI)		252.203	270.064	221.033	245.086	326.463	355.549
Total CCI		1,141.420	1,133.624	1,112.079	1,217.140	1,368.825	1,391.034
Total economy		72,703.513	74,169.873	76,087.789	79,138.243	81,226.073	84,850.874
Share of GDP of CCI in GDP of economy (%)		1.57	1.53	1.46	1.54	1.69	1.64

Table 2b Share of GDP of CCI by domains in GDP of the whole economy in the period 2012-2017 (%)

Domains (by industries)	Gross domestic product						
	Year	2012	2013	2014	2015	2016	2017
O ₁ Cultural heritage		0.10	0.11	0.10	0.11	0.13	0.12
O ₂ Periodical and non-periodical printing		0.21	0.14	0.17	0.17	0.14	0.14
O ₃ Visual arts and crafts		0.05	0.06	0.04	0.05	0.05	0.06
O ₄ Architecture		0.09	0.08	0.08	0.11	0.12	0.13
O ₅ Performing arts		0.13	0.13	0.13	0.11	0.14	0.15
O ₆ Audiovisual and multimedia		0.19	0.15	0.16	0.16	0.18	0.17
O ₇ Advertising		0.26	0.30	0.31	0.33	0.32	0.23
O ₈ Art education		0.09	0.10	0.10	0.11	0.11	0.12
O ₉ Support services for CCI		0.11	0.10	0.06	0.07	0.09	0.10
Industries out of CCI (but products of CCI)		0.35	0.36	0.29	0.31	0.40	0.42
Total CCI		1.57	1.53	1.46	1.54	1.69	1.64

Table 2c Share of GDP of CCI by domains in GDP of the whole CCI sector in the period 2012-2017 (%)

Domains (by industries)	Gross domestic product						
	Year	2012	2013	2014	2015	2016	2017
O ₁ Cultural heritage		6.66	7.09	7.17	7.41	7.72	7.50
O ₂ Periodical and non-periodical printing		13.09	8.84	11.75	10.87	8.50	8.66
O ₃ Visual arts and crafts		2.94	3.60	2.96	3.02	3.10	3.48
O ₄ Architecture		5.69	5.49	5.64	7.36	6.96	7.99
O ₅ Performing arts		8.17	8.75	8.97	7.43	8.39	9.34
O ₆ Audiovisual and multimedia		12.12	10.02	11.05	10.71	10.53	10.24
O ₇ Advertising		16.57	19.41	21.27	21.34	18.73	13.83
O ₈ Art education		5.95	6.44	7.08	6.97	6.80	7.12
O ₉ Support services for CCI		6.72	6.53	4.23	4.75	5.42	6.26
Industries out of CCI (but products of CCI)		22.10	23.82	19.88	20.14	23.85	25.56
Total CCI		100.00	100.00	100.00	100.00	100.00	100.00

Chart 1

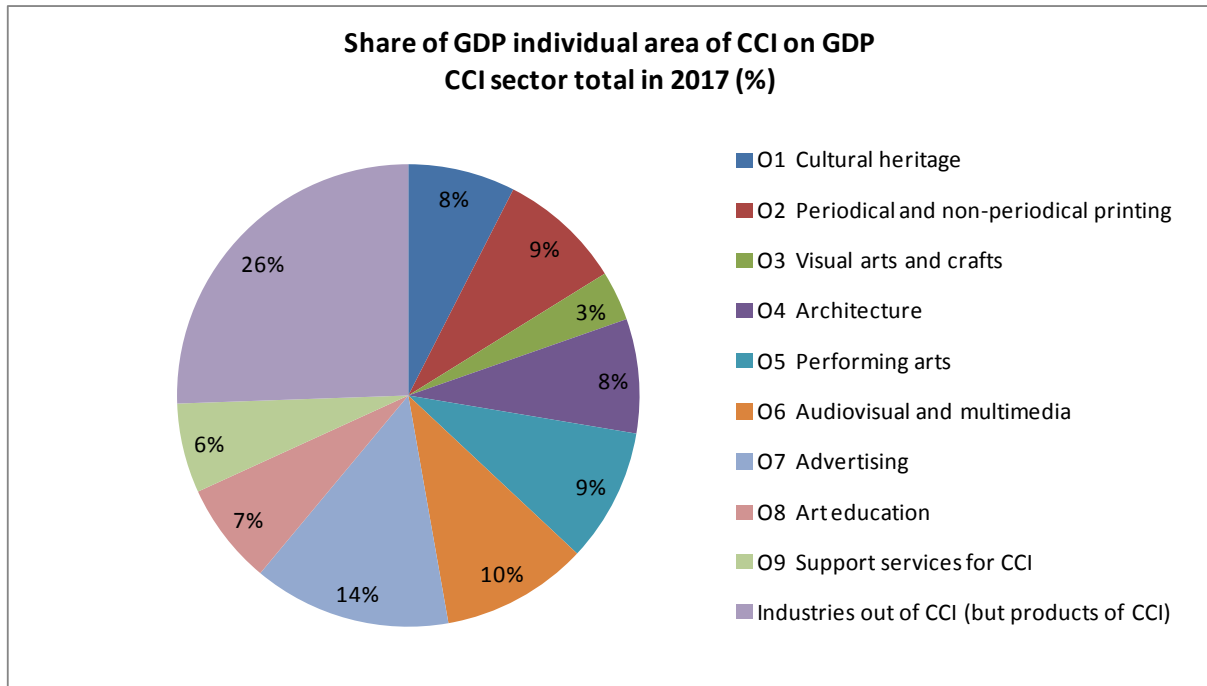
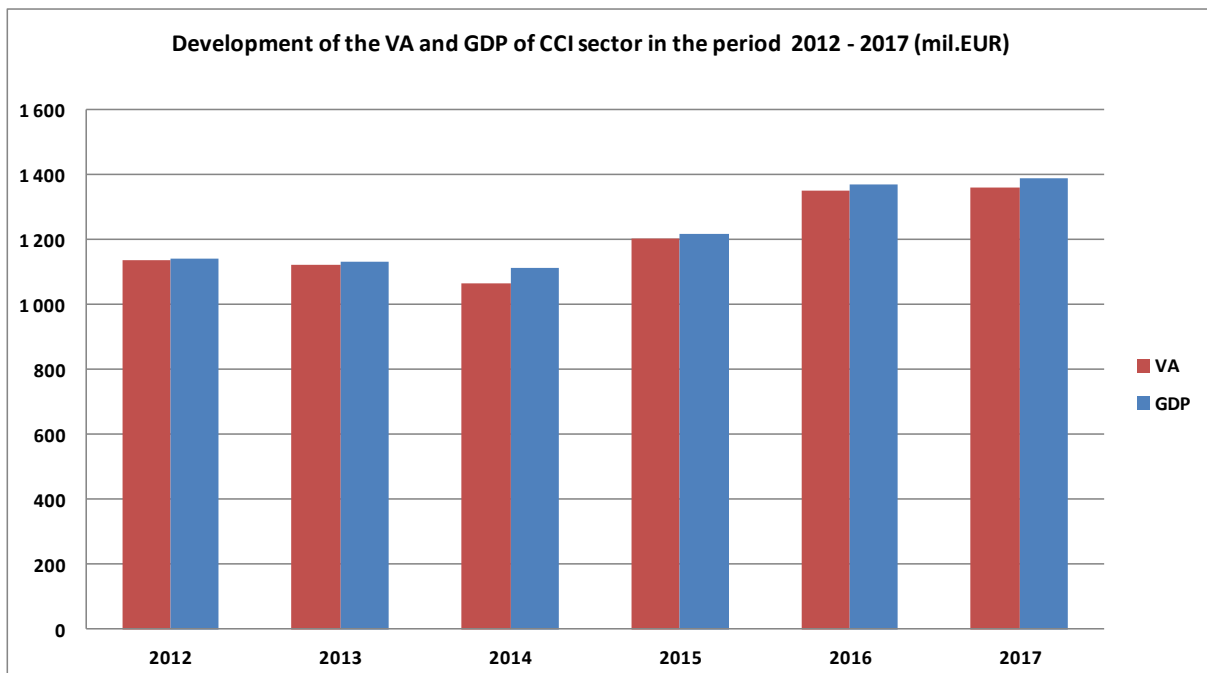


Chart 2



Overall development of VA and GDP is characterized by declining trend till the year 2014. Contrariwise, we observe gradual increase of VA and GDP from 2015 to 2017.

Advertising, Audiovisual and multimedia and Performing arts have the major share in VA and GDP among all domains of CCI. *Support services for CCI and Visual arts and crafts* have the least share in VA and GDP. The *Industries out of CCI* have significant share in VA and GDP of CCI. It means that nearly 26 % (in 2017) of Gross Domestic Product CCI

is created by industries which don't belong to the CCI sector, but which produce some goods and services classified as CCI products.

2.3 Employment in CCI sector

Employment in CCI sector is declared by average number of full time equivalent persons. These are only those jobs that belongs in the CCI job categories. Initially, employment was quantified in the industries (O1-O8), (O9) domains as well as in *Industries out of CCI* and next the CCI occupations were determined by ISCO classification.

The employment of CCI in full time equivalent (employees and self-employed) estimated in all industries of the economy for 2017 represents about 1.43% of total employment of whole economy. Employment of core domains (O₁-O₈) represents about 64.8%, support services of CCI (O₉) about 3.3% of total CCI employment. Also in *Industries out of CCI* sector occurs CCI-related employees. They represent about 31.9% of total CCI employment.

Table 3 Employment of CCI in the period 2012-2017 (average full time equivalent)

Domains (by industries)	Employment of CCI (employees and self-employed)						
	Year	2012	2013	2014	2015	2016	2017
O ₁ Cultural heritage		2,918	2,765	2,739	3,017	2,954	3,167
O ₂ Periodical and non-periodical printing		3,103	2,970	3,017	3,100	3,461	3,504
O ₃ Visual arts and crafts		1,288	1,260	1,174	1,221	1,372	1,544
O ₄ Architecture		1,514	1,382	1,412	1,455	1,669	1,921
O ₅ Performing arts		2,336	2,425	2,450	2,695	2,706	2,543
O ₆ Audiovisual and multimedia		1,973	1,859	1,977	2,012	2,127	2,372
O ₇ Advertising		2,454	2,421	2,376	2,459	2,558	2,930
O ₈ Art education		3,075	3,181	3,262	3,681	3,581	3,532
O ₉ Support services for CCI		826	1,149	1,234	1,181	1,140	1,082
Industries out of CCI (but products of CCI)		12,892	11,241	11,161	10,858	10,732	10,580
Employment of CCI total		32,377	30,653	30,801	31,679	32,300	33,175
Employment of economy total		2,186,169	2,156,357	2,183,898	2,229,169	2,277,725	2,321,208
Share of employment of CCI in employment of economy (%)		1.48	1.42	1.41	1.42	1.42	1.43

2.4 Import, export and external balance of CCI products

The statistics on international trade (INTRASTAT, EXTRASTAT) was used as an essential source of identification of export and import of CCI goods. For identification of export and import of CCI services, the services from the Balance of Payments of National Bank of Slovakia reclassified to CPA product classification were taken. Because, for many products doesn't exist data in detailed CPA classification, the expert estimation were used.

Table 4 Import of CCI in the period 2012-2017 (mill. EUR)

Groups of CCI products	Import						
	Year	2012	2013	2014	2015	2016	2017
P ₁ Heritage, Archives, Libraries		0.547	0.320	0.320	0.075	0.189	0.158
P ₂ Books and press		70.530	67.279	67.279	71.876	72.736	78.105
P ₃ Visual arts services		6.320	8.341	9.819	17.441	20.079	26.190
P ₄ Architectural services		1.540	2.535	1.102	2.241	1.566	14.311
P ₅ Performing arts services		0.000	0.000	0.000	0.002	0.000	0.000
P ₆ Audiovisual and multimedia		61.496	40.611	41.325	50.938	37.339	16.766
P ₇ Advertising services		28.459	42.395	45.406	53.897	61.672	44.737
P ₈ Interdisciplinary products		53.683	28.262	30.154	37.835	27.879	31.897
P ₉ Minor products of CCI		0.402	0.564	0.602	0.992	0.889	0.849
Total CCI		222.976	190.307	196.006	235.296	222.348	213.012
Total economy		61,712.623	64,201.967	64,962.724	69,460.467	70,927.903	76,913.680
Share of CCI import in total import (%)		0.36	0.30	0.30	0.34	0.31	0.28

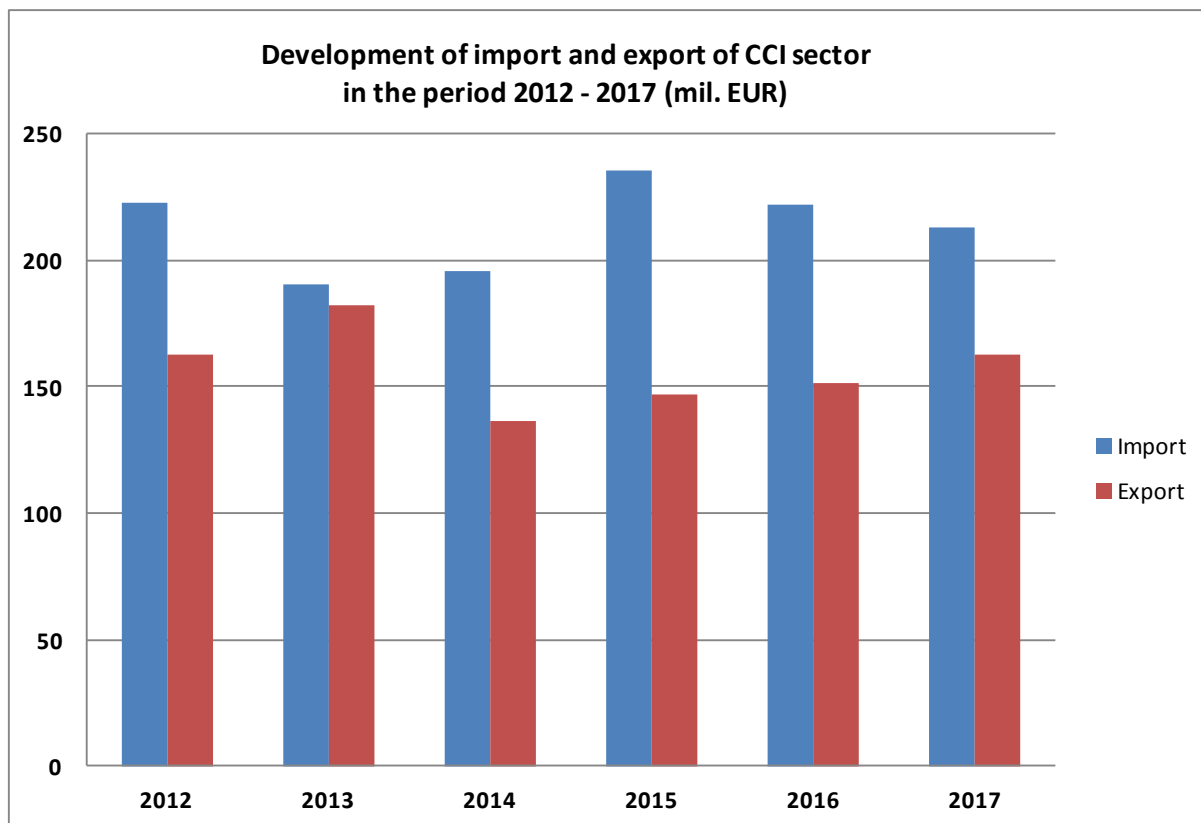
Table 5 Export of CCI in the period 2012-2017 (mill. EUR)

Groups of CCI products	Export						
	Year	2012	2013	2014	2015	2016	2017
P ₁ Heritage, Archives, Libraries		0.019	0.007	0.003	0.020	0.000	0.030
P ₂ Books and press		29.426	33.336	19.280	27.374	45.762	26.724
P ₃ Visual arts services		6.889	5.723	6.866	12.598	14.714	14.930
P ₄ Architectural services		1.778	1.897	2.847	2.356	2.342	14.749
P ₅ Performing arts services		0.000	0.000	0.000	0.004	0.000	0.000
P ₆ Audiovisual and multimedia		25.536	33.736	28.844	32.127	20.842	5.382
P ₇ Advertising services		77.638	85.742	58.917	56.057	46.565	82.372
P ₈ Interdisciplinary products		20.727	21.096	18.794	16.078	20.609	17.442
P ₉ Minor products of CCI		0.605	0.687	0.682	0.585	0.640	0.879
Total CCI		162.619	182.227	136.233	147.201	151.474	162.508
Total economy		64,459.729	67,429.994	67,721.542	70,709.883	73,249.819	79,400.938
Share of CCI export in total export (%)		0.25	0.27	0.20	0.21	0.21	0.20

Table 6 External balance of CCI in the period 2012-2017 (mill. EUR)

Groups of CCI products	External balance						
	Year	2012	2013	2014	2015	2016	2017
P ₁ Heritage, Archives, Libraries		-0.528	-0.312	-0.317	-0.055	-0.189	-0.128
P ₂ Books and press		-41.104	-33.943	-47.999	-44.502	-26.974	-51.381
P ₃ Visual arts services		0.570	-2.617	-2.952	-4.843	-5.364	-11.259
P ₄ Architectural services		0.238	-0.638	1.745	0.115	0.776	0.439
P ₅ Performing arts services		0.000	0.000	0.000	0.003	0.000	0.000
P ₆ Audiovisual and multimedia		-35.960	-6.875	-12.481	-18.811	-16.496	-11.384
P ₇ Advertising services		49.180	43.347	13.511	2.160	-15.107	37.635
P ₈ Interdisciplinary products		-32.956	-7.166	-11.360	-21.757	-7.270	-14.455
P ₉ Minor products of CCI		0.204	0.123	0.080	-0.407	-0.250	0.030
Total CCI		-60.357	-8.080	-59.773	-88.095	-70.874	-50.504

Chart 3



External balance of CCI products was negative during the whole reported period 2012-2017. In 2017, it reached -50,504 mill. EUR. The negative balance was influenced mainly by group of products *Books and press* (P_2). Groups of products which reached the positive balance in 2017 are *Architectural services* (P_4), *Advertising services* (P_7) and *Minor products of CCI* (P_9).

2.5 Source of funding of CCI products

Funding of CCI comes either from domestic or foreign institutional units. According to SNA the source of funding is defined by expenditures of general government, households, non-profit institutions serving households as well as by corporations. These expenditures contain the purchases of domestic as well as imported products in market prices (including taxes on products without subsidies on products). The expenditures of non-residents are presented by exports.

Table 7.1 Sources of funding of CCI in 2012 (mill. EUR)

Groups of CCI products	Sources of funding				
	Financial and non-financial corporations	General government	Households	Non-profit institutions serving households	Rest of the world
P ₁ Heritage, Archives, Libraries	12.300	106.261	9.990	7.341	0.019
P ₂ Books and press	35.711	3.959	259.757	0.000	29.426
P ₃ Visual arts services	51.354	0.230	7.140	0.019	6.889
P ₄ Architectural services	212.915	0.000	3.078	0.000	1.778
P ₅ Performing arts services	34.516	110.492	14.495	0.605	0.000
P ₆ Audiovisual and multimedia	101.646	116.551	160.957	0.005	25.536
P ₇ Advertising services	673.297	0.000	0.000	0.000	77.638
P ₈ Interdisciplinary products	55.176	156.095	64.069	16.347	20.727
P ₉ Minor products of CCI	10.648	30.466	0.229	0.826	0.605
Total CCI	1,187.564	524.055	519.714	25.143	162.619
Total economy	118,750.355	13,223.590	40,786.880	725.182	64,459.729
Share of sources of CCI funding in total economy (%)	1.00	3.96	1.27	3.47	0.25
Share of sources of CCI funding in total CCI sector (%)	49.09	21.66	21.48	1.04	6.72

Table 7.2 Sources of funding of CCI in 2013 (mill. EUR)

Groups of CCI products	Sources of funding				
	Financial and non-financial corporations	General government	Households	Non-profit institutions serving households	Rest of the world
P ₁ Heritage, Archives, Libraries	11.655	104.666	9.451	12.325	0.007
P ₂ Books and press	31.778	2.950	216.701	0.000	33.336
P ₃ Visual arts services	62.811	0.253	13.391	0.033	5.723
P ₄ Architectural services	258.199	0.000	6.506	0.000	1.897
P ₅ Performing arts services	42.699	113.733	16.576	1.150	0.000
P ₆ Audiovisual and multimedia	50.140	120.895	188.338	0.002	33.736
P ₇ Advertising services	706.357	0.000	0.000	0.000	85.742
P ₈ Interdisciplinary products	48.221	163.708	33.363	17.146	21.096
P ₉ Minor products of CCI	21.699	33.221	0.461	0.931	0.687
Total CCI	1,233.560	539.427	484.788	31.587	182.227
Total economy	119,131.409	13,652.732	40,996.415	729.750	67,429.994
Share of sources of CCI funding in total economy (%)	1.04	3.95	1.18	4.33	0.27
Share of sources of CCI funding in total CCI sector (%)	49.91	21.83	19.61	1.28	7.37

Table 7.3 Sources of funding of CCI in 2014 (mill. EUR)

Groups of CCI products	Sources of funding				
	Financial and non-financial corporations	General government	Households	Non-profit institutions serving households	Rest of the world
P ₁ Heritage, Archives, Libraries	12.737	119.277	9.828	1.985	0.003
P ₂ Books and press	36.040	3.279	216.333	0.000	19.280
P ₃ Visual arts services	62.756	0.234	13.461	0.044	6.866
P ₄ Architectural services	187.791	0.000	26.726	0.000	2.847
P ₅ Performing arts services	64.392	110.405	21.871	1.263	0.000
P ₆ Audiovisual and multimedia	47.631	116.306	181.900	0.002	28.844
P ₇ Advertising services	788.500	0.000	0.000	0.000	58.917
P ₈ Interdisciplinary products	66.337	169.472	38.087	18.312	18.794
P ₉ Minor products of CCI	13.207	32.134	0.315	0.916	0.682
Total CCI	1,279.390	551.107	508.522	22.522	136.233
Total economy	124,013.813	14,403.700	41,453.953	742.593	67,721.542
Share of sources of CCI funding in total economy (%)	1.03	3.83	1.23	3.03	0.20
Share of sources of CCI funding in total CCI sector (%)	51.22	22.06	20.36	0.90	5.45

Table 7.4 Sources of funding of CCI in 2015 (mill. EUR)

Groups of CCI products	Sources of funding				
	Financial and non-financial corporations	General government	Households	Non-profit institutions serving households	Rest of the world
P ₁ Heritage, Archives, Libraries	15.696	132.637	8.248	1.467	0.020
P ₂ Books and press	50.372	3.090	191.073	0.000	27.374
P ₃ Visual arts services	79.245	0.222	15.856	0.039	12.598
P ₄ Architectural services	265.281	0.000	21.850	0.000	2.356
P ₅ Performing arts services	47.994	110.964	18.742	1.790	0.004
P ₆ Audiovisual and multimedia	72.446	122.266	168.585	0.002	32.127
P ₇ Advertising services	981.425	0.000	0.000	0.000	56.057
P ₈ Interdisciplinary products	74.360	197.594	46.970	21.324	16.078
P ₉ Minor products of CCI	45.608	36.026	0.664	0.940	0.585
Total CCI	1,632.427	602.799	471.989	25.562	147.201
Total economy	134,803.350	15,291.072	42,432.439	745.718	70,709.883
Share of sources of CCI funding in total economy (%)	1.21	3.94	1.11	3.43	0.21
Share of sources of CCI funding in total CCI sector (%)	56.68	20.93	16.39	0.89	5.11

Table 7.5 Sources of funding of CCI in 2016 (mill. EUR)

Groups of CCI products	Sources of funding				
	Financial and non-financial corporations	General government	Households	Non-profit institutions serving households	Rest of the world
P ₁ Heritage, Archives, Libraries	15.491	122.153	8.809	0.826	0.000
P ₂ Books and press	47.976	5.145	164.263	0.000	45.762
P ₃ Visual arts services	80.507	0.232	12.215	0.044	14.714
P ₄ Architectural services	283.183	0.000	68.658	0.000	2.342
P ₅ Performing arts services	33.682	148.499	23.493	1.207	0.000
P ₆ Audiovisual and multimedia	111.172	124.769	203.304	0.013	20.842
P ₇ Advertising services	1,046.684	0.000	0.000	0.000	46.565
P ₈ Interdisciplinary products	93.247	191.999	37.539	23.608	20.609
P ₉ Minor products of CCI	28.174	32.049	0.522	1.114	0.640
Total CCI	1,740.115	624.846	518.803	26.813	151.474
Total economy	137,814.077	15,739.218	43,705.332	793.316	73,249.819
Share of sources of CCI funding in total economy (%)	1.26	3.97	1.19	3.38	0.21
Share of sources of CCI funding in total CCI sector (%)	56.83	20.41	16.94	0.88	4.95

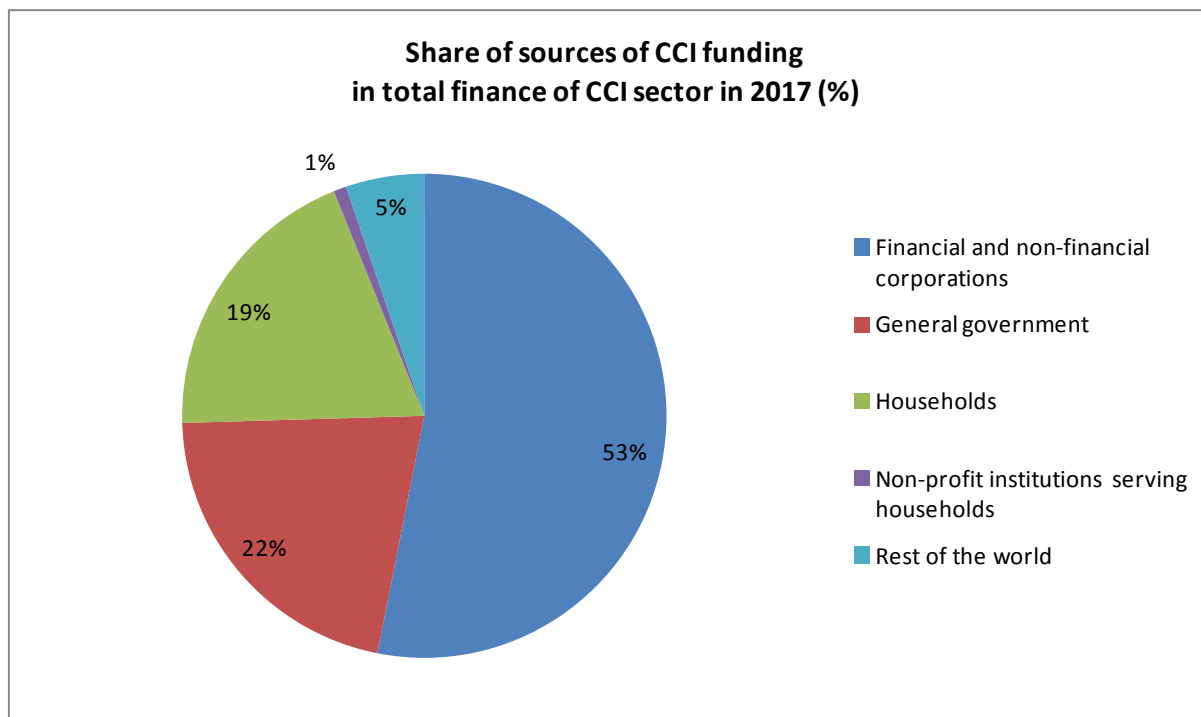
Table 7.6 Sources of funding of CCI in 2017 (mill. EUR)

Groups of CCI products	Sources of funding				
	Financial and non-financial corporations	General government	Households	Non-profit institutions serving households	Rest of the world
P ₁ Heritage, Archives, Libraries	20.318	124.636	10.800	1.207	0.030
P ₂ Books and press	69.115	4.142	207.657	0.000	26.724
P ₃ Visual arts services	108.579	0.232	33.705	0.050	14.930
P ₄ Architectural services	280.157	0.000	53.056	0.000	14.749
P ₅ Performing arts services	43.731	159.688	35.017	1.613	0.000
P ₆ Audiovisual and multimedia	190.265	138.557	212.154	0.000	5.382
P ₇ Advertising services	812.044	0.000	0.000	0.000	82.372
P ₈ Interdisciplinary products	93.776	205.214	48.228	21.878	17.442
P ₉ Minor products of CCI	29.193	31.959	0.493	1.765	0.879
Total CCI	1,647.178	664.428	601.110	26.514	162.508
Total economy	145,346.006	16,521.757	45,873.34	835.891	79,400.938
Share of sources of CCI funding in total economy (%)	1.13	4.02	1.31	3.17	0.20
Share of sources of CCI funding in total CCI sector (%)	53.11	21.42	19.38	0.85	5.24

Table 8 Share of sources of CCI funding in total finance of CCI sector in 2017 (%)

Groups of CCI products	Sources of funding					
	Total	Financial and non-financial corporations	General government	Households	Non-profit institutions serving households	Rest of the world
P ₁ Heritage, Archives, Libraries	100.00	12.94	79.39	6.88	0.77	0.02
P ₂ Books and press	100.00	22.47	1.35	67.50	0.00	8.69
P ₃ Visual arts services	100.00	68.94	0.15	21.40	0.03	9.48
P ₄ Architectural services	100.00	80.51	0.00	15.25	0.00	4.24
P ₅ Performing arts services	100.00	18.22	66.52	14.59	0.67	0.00
P ₆ Audiovisual and multimedia	100.00	34.82	25.36	38.83	0.00	0.99
P ₇ Advertising services	100.00	90.79	0.00	0.00	0.00	9.21
P ₈ Interdisciplinary products	100.00	24.26	53.09	12.48	5.66	4.51
P ₉ Minor products of CCI	100.00	45.41	49.71	0.77	2.75	1.37
Total CCI	100.00	53.11	21.42	19.38	0.85	5.24

Chart 4



Total amount of financial sources that covers offer of CCI products in 2017 has been estimated to 3,101.737 mill. EUR. The biggest part (53%) comes from financial and non-financial corporations. The second biggest part (22%) is created by general government, the third one are households (19%), the fourth position (5%) belongs to rest of the world and the last one (1%) are non-profit institutions serving households.

The share of funding sources in particular groups of CCI products in 2017 varies. The general government participated mostly on financing of the product group *Heritage, Archives, Libraries* (79%) and *Performing arts services* (67%) as well as *Interdisciplinary products* (53%) and *Minor products of CCI* (50%).

Financial and non-financial corporations as well as households participated mostly on financing in market-oriented industries.

Financial and non-financial corporations participated mostly on financing of services: *Advertising services* (91%), *Architectural services* (81%), *Visual arts services* (69%) and *Minor products of CCI* (45%).

Households participated predominantly on financing of CCI product groups *Books and press* (68%) and *Audiovisual and multimedia* (39%). Expenditures of households on CCI represents about 1.31% of entire final consumption expenditures of households.

Non-profit institutions serving households had got only tiny share on financing of CCI products. The biggest share (6%) was in financing of interdisciplinary products.

Foreign countries had got about 9% share on financing of CCI product groups *Books and press*, *Visual arts services* and *Advertising services*.

3 Conclusion

VA, GDP and employment in CCI sector are considered the key indicators determining economic significance of CCI sector within the whole economy of SR.

The value added of CCI in the year 2017 accounted for 1,359.558 mill. EUR. Its share in the value added of the whole economy represented 1.78%.

Gross Domestic Product of CCI in the year 2017 was reported in the amount of 1,391.034 mill. EUR, which represents 1.64% share in GDP of the whole economy.

Estimated full time equivalent employment of CCI (employees and self-employed) in all industries of the Slovak economy in 2017 accounted for about 1.43% of the whole employment.

The analyses of data proved that sources of data were relatively sufficient, but not always data are in needed detailed structure regarding CCI industries or products. Therefore it was necessary to use expert estimations for the compilation of particular parts of SA CCI SR.

In case of quality improvement and more detailed structure of disposable data sources it will be possible to precise some parts of satellite account.

The methodology of composition of SA CCI is continually developing. However, there is currently no mandatory direction of Eurostat for composition of satellite account of culture and creative industry which would ensure a comparability of results among satellite accounts of several countries.

Guideline and methodology of composition of SA CCI SR is not considered completed and is developing continually. Future possible revisions can incorporate changes arising from international guides of Eurostat, e.g. changes of CCI framework setup, precision of the methodology of SA CCI or other changes arising from revision of National Accounts of SR.

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