

# **The summary results of the Satellite Account on Culture and Creative Industry of the Slovak Republic (2015-2020)**

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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 2015-2020 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. The construction process of SÚ KKP SR was summarized and updated in the methodological material [4] in 2020.

### 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:

*O<sub>1</sub> Cultural heritage*

*O<sub>2</sub> Periodical and non-periodical printing*

*O<sub>3</sub> Visual arts and crafts*

*O<sub>4</sub> Architecture*

*O<sub>5</sub> Performing arts*

*O<sub>6</sub> Audiovisual and multimedia*

*O<sub>7</sub> Advertising*

*O<sub>8</sub> Art education*

*O<sub>9</sub> Support services for CCI*

*Industries out of CCI (but products of CCI)*

The core of SA CCI SR is formed by 8 basic domains (**O<sub>1</sub>-O<sub>8</sub>**). Each of them consists of particular industries of CCI within the NACE classification fully or partly.

O<sub>1</sub> includes the activities of libraries, archives, museums and the operation of historical monuments and tourist attractions.

O<sub>2</sub> includes activities related to creating, publishing, and distributing books, periodical and non-periodical printing in various formats.

O<sub>3</sub> includes painting, sculpture, photography and specialized design activities.

O<sub>4</sub> includes activities related to architectural services.

O<sub>5</sub> includes various forms of artistic performances such as theatre, dance, music and concerts, whether classical or popular music, and the operation of cultural facilities.

O<sub>6</sub> includes activities related to film, video, music, television and radio and other audiovisual formats.

O<sub>7</sub> includes activities related to advertising services.

O<sub>8</sub> includes activities related to artistic (music, dance, art and other) education.

In addition to the core domains, the O<sub>9</sub> 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 (O<sub>1</sub>-O<sub>8</sub>), which form the core of the culture sector, the production of industries is created mainly by CCI products. In the CCI support industries (O<sub>9</sub>), 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:

*P<sub>1</sub> Heritage, Archives, Libraries*

*P<sub>2</sub> Books and press*

*P<sub>3</sub> Visual arts services*

*P<sub>4</sub> Architecture services*

*P<sub>5</sub> Performing arts services*

*P<sub>6</sub> Audiovisual and multimedia*

*P<sub>7</sub> Advertising services*



*P<sub>8</sub> Interdisciplinary products*

*P<sub>9</sub> Minor products of CCI*

P<sub>1</sub> 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).

P<sub>2</sub> includes book publishing, periodical and other publishing services, as well as bookbinding services.

P<sub>3</sub> includes art-related services, specialized design and photography services.

P<sub>4</sub> includes architectural services and consultancy.

P<sub>5</sub> includes services related to the performing arts, the operation of cultural facilities and ticket reservations.

P<sub>6</sub> 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

P<sub>7</sub> includes comprehensive advertising and advertising design services.

P<sub>8</sub> includes news agency services, arts education services, interpretation and translation services.

P<sub>9</sub> 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 2020 was 1,498.280 mill. EUR, in comparison with 2019 it was a decrease by 44.758 mill. EUR. The core domains (O<sub>1</sub>-O<sub>8</sub>) represents about 67.8%, support services of CCI (O<sub>9</sub>) about 7.1% and other industries about 25.1% of the VA of the whole CCI sector. Compared to the whole economy, the VA of CCI, represents 1.82% in 2020 (a slight decrease of 0.02% compared to 2019).

**Table 1a Value added of CCI in the period 2015-2020 (mill. EUR)**

Domains (by industries)	Value Added						
	Year	2015	2016	2017	2018	2019	2020
O <sub>1</sub> Cultural heritage		91.709	105.674	104.394	106.160	122.603	122.367
O <sub>2</sub> Periodical and non-periodical printing		125.925	113.247	100.778	99.104	86.668	86.704
O <sub>3</sub> Visual arts and crafts		33.804	39.632	44.556	36.928	36.567	40.661
O <sub>4</sub> Architecture		88.640	94.314	109.669	148.531	120.263	128.920
O <sub>5</sub> Performing arts		87.885	113.238	127.678	130.441	137.025	126.233
O <sub>6</sub> Audiovisual and multimedia		113.577	123.157	124.394	155.322	163.936	152.931
O <sub>7</sub> Advertising		246.407	243.370	185.536	217.929	266.187	226.137
O <sub>8</sub> Art education		84.792	93.037	99.112	102.832	117.269	131.714
O <sub>9</sub> Support services for CCI		76.284	93.384	100.389	132.371	128.029	106.197
Industries out of CCI (but products of CCI)		254.848	334.658	363.051	339.949	364.491	376.417
<b>Total CCI</b>		<b>1,203.872</b>	<b>1,353.710</b>	<b>1,359.558</b>	<b>1,469.567</b>	<b>1,543.038</b>	<b>1,498.280</b>
Total economy		71,446.187	73,436.195	76,430.454	80,379.86	84,021.071	82,420.862
<b>Share of VA of CCI in VA of economy (%)</b>		<b>1.69</b>	<b>1.84</b>	<b>1.78</b>	<b>1.83</b>	<b>1.84</b>	<b>1.82</b>

**Table 1b Share of VA of CCI by domains in VA of the whole economy in the period 2015-2020 (%)**

Domains (by industries)	Year	Value Added					
		2015	2016	2017	2018	2019	2020
O <sub>1</sub> Cultural heritage		0.13	0.14	0.14	0.13	0.15	0.15
O <sub>2</sub> Periodical and non-periodical printing		0.18	0.15	0.13	0.12	0.10	0.11
O <sub>3</sub> Visual arts and crafts		0.05	0.05	0.06	0.05	0.04	0.05
O <sub>4</sub> Architecture		0.12	0.13	0.14	0.18	0.14	0.16
O <sub>5</sub> Performing arts		0.12	0.15	0.17	0.16	0.16	0.15
O <sub>6</sub> Audiovisual and multimedia		0.16	0.17	0.16	0.19	0.20	0.19
O <sub>7</sub> Advertising		0.34	0.33	0.24	0.27	0.32	0.27
O <sub>8</sub> Art education		0.12	0.13	0.13	0.13	0.14	0.16
O <sub>9</sub> Support services for CCI		0.11	0.13	0.13	0.16	0.15	0.13
Industries out of CCI (but products of CCI)		0.36	0.46	0.48	0.42	0.43	0.46
<b>Total CCI</b>		<b>1.69</b>	<b>1.84</b>	<b>1.78</b>	<b>1.83</b>	<b>1.84</b>	<b>1.82</b>

**Table 1c Share of VA of CCI by domains in VA of the whole CCI sector in the period 2015-2020 (%)**

Domains (by industries)	Year	Value Added					
		2015	2016	2017	2018	2019	2020
O <sub>1</sub> Cultural heritage		7.62	7.81	7.68	7.22	7.95	8.17
O <sub>2</sub> Periodical and non-periodical printing		10.46	8.37	7.41	6.74	5.62	5.79
O <sub>3</sub> Visual arts and crafts		2.81	2.93	3.28	2.51	2.37	2.71
O <sub>4</sub> Architecture		7.36	6.97	8.07	10.11	7.79	8.60
O <sub>5</sub> Performing arts		7.30	8.37	9.39	8.88	8.88	8.43
O <sub>6</sub> Audiovisual and multimedia		9.43	9.10	9.15	10.57	10.62	10.21
O <sub>7</sub> Advertising		20.47	17.98	13.65	14.83	17.25	15.09
O <sub>8</sub> Art education		7.04	6.87	7.29	7.00	7.60	8.79
O <sub>9</sub> Support services for CCI		6.34	6.90	7.38	9.01	8.30	7.09
Industries out of CCI (but products of CCI)		21.17	24.72	26.70	23.13	23.62	25.12
<b>Total CCI</b>		<b>100.00</b>	<b>100.00</b>	<b>100.00</b>	<b>100.00</b>	<b>100.00</b>	<b>100.00</b>

## 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 2020 amounted to 1,550.505 mill. EUR. This represented a decrease of EUR 47.474 mill. EUR compared to 2019. The core domains (O1-O8) represent about 68.8%, *Support services for CCIs* (O9) about 6.9% and *Industries out of CCI* represent about 24.3% of the GDP of the whole CCI sector. The share of GDP of CCI sector was 1.68% to GDP of the whole economy in 2020, which was a slight decrease by 0.02% compared to 2019.

**Table 2a Gross domestic product of CCI in the period 2015-2020 (mill. EUR)**

Domains (by industries)	Gross domestic product						
	Year	2015	2016	2017	2018	2019	2020
O <sub>1</sub> Cultural heritage		90.195	105.674	104.394	106.160	122.603	122.367
O <sub>2</sub> Periodical and non-periodical printing		132.323	116.373	120.483	111.189	98.503	102.810
O <sub>3</sub> Visual arts and crafts		36.809	42.376	48.407	40.626	39.587	44.228
O <sub>4</sub> Architecture		89.522	95.298	111.187	150.393	122.104	130.931
O <sub>5</sub> Performing arts		90.451	114.904	129.875	133.638	139.728	128.548
O <sub>6</sub> Audiovisual and multimedia		130.407	144.156	142.498	174.179	186.762	170.584
O <sub>7</sub> Advertising		259.728	256.352	192.404	228.216	277.428	235.911
O <sub>8</sub> Art education		84.792	93.032	99.106	102.832	117.269	131.714
O <sub>9</sub> Support services for CCI		57.828	74.198	87.130	133.274	128.551	106.651
Industries out of CCI (but products of CCI)		245.086	326.463	355.549	335.837	365.443	376.760
<b>Total CCI</b>		<b>1,217.140</b>	<b>1,368.825</b>	<b>1,391.034</b>	<b>1,516.342</b>	<b>1,597.979</b>	<b>1,550.505</b>
Total economy		79,138.243	81,226.073	84,850.874	89,605.907	93,900.450	92,079.253
<b>Share of GDP of CCI in GDP of economy (%)</b>		<b>1.54</b>	<b>1.69</b>	<b>1.64</b>	<b>1.69</b>	<b>1.70</b>	<b>1.68</b>

**Table 2b Share of GDP of CCI by domains in GDP of the whole economy in the period 2015-2020 (%)**

Domains (by industries)	Gross domestic product						
	Year	2015	2016	2017	2018	2019	2020
O <sub>1</sub> Cultural heritage		0.11	0.13	0.12	0.12	0.13	0.13
O <sub>2</sub> Periodical and non-periodical printing		0.17	0.14	0.14	0.12	0.10	0.11
O <sub>3</sub> Visual arts and crafts		0.05	0.05	0.06	0.05	0.04	0.05
O <sub>4</sub> Architecture		0.11	0.12	0.13	0.17	0.13	0.14
O <sub>5</sub> Performing arts		0.11	0.14	0.15	0.15	0.15	0.14
O <sub>6</sub> Audiovisual and multimedia		0.16	0.18	0.17	0.19	0.20	0.19
O <sub>7</sub> Advertising		0.33	0.32	0.23	0.25	0.30	0.26
O <sub>8</sub> Art education		0.11	0.11	0.12	0.11	0.12	0.14
O <sub>9</sub> Support services for CCI		0.07	0.09	0.10	0.15	0.14	0.12
Industries out of CCI (but products of CCI)		0.31	0.40	0.42	0.37	0.39	0.41
<b>Total CCI</b>		<b>1.54</b>	<b>1.69</b>	<b>1.64</b>	<b>1.69</b>	<b>1.70</b>	<b>1.68</b>

**Table 2c Share of GDP of CCI by domains in GDP of the whole CCI sector in the period 2015-2020 (%)**

Domains (by industries)	Gross domestic product						
	Year	2015	2016	2017	2018	2019	2020
O <sub>1</sub> Cultural heritage		7.41	7.72	7.50	7.00	7.67	7.89
O <sub>2</sub> Periodical and non-periodical printing		10.87	8.50	8.66	7.33	6.16	6.63
O <sub>3</sub> Visual arts and crafts		3.02	3.10	3.48	2.68	2.48	2.85
O <sub>4</sub> Architecture		7.36	6.96	7.99	9.92	7.64	8.44
O <sub>5</sub> Performing arts		7.43	8.39	9.34	8.81	8.74	8.29
O <sub>6</sub> Audiovisual and multimedia		1.10	10.53	10.24	11.49	11.69	11.00
O <sub>7</sub> Advertising		21.34	18.73	13.83	19.62	17.36	15.22
O <sub>8</sub> Art education		6.97	6.80	7.12	5.78	7.34	8.49
O <sub>9</sub> Support services for CCI		4.75	5.42	6.26	8.79	8.04	6.88
Industries out of CCI (but products of CCI)		20.14	23.85	25.56	22.15	22.87	24.30
<b>Total CCI</b>		<b>100.00</b>	<b>100.00</b>	<b>100.00</b>	<b>100.00</b>	<b>100.00</b>	<b>100.00</b>

Chart 1

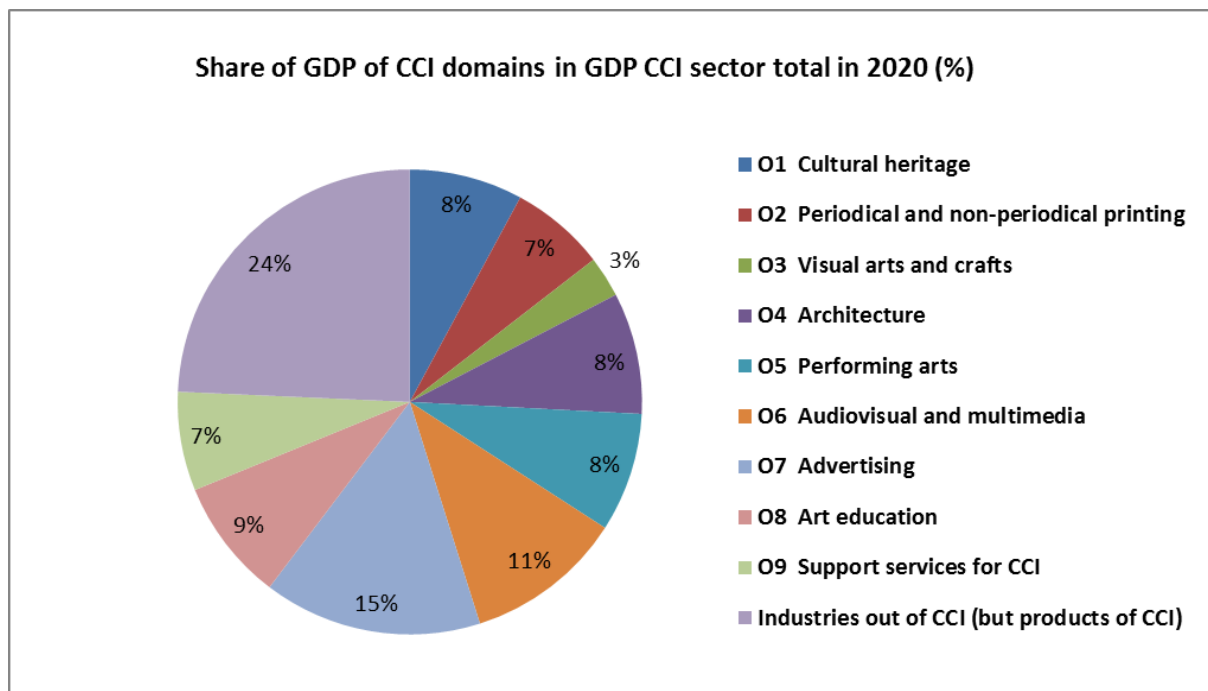
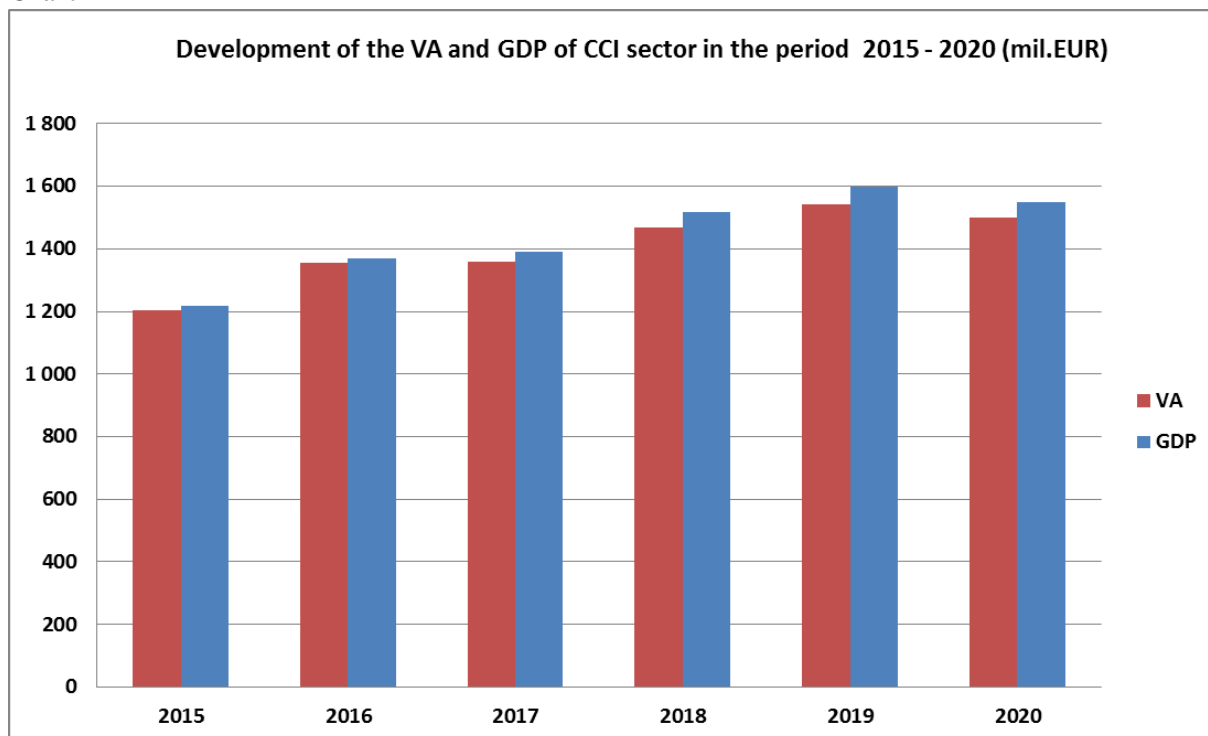


Chart 2



The overall development of VA and GDP is characterized by declining trend from 2015 to 2019, and in 2020 we note a slight decrease of VA and GDP.

*Advertising, Audiovisual and multimedia and Art education* have the major share in VA and GDP among all domains of CCI. *Periodical and non-periodical printing 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 24.30 % (in 2020) of GDP 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 2020 represents about 1.40% of total employment of whole economy. Employment of core domains (O<sub>1</sub>-O<sub>8</sub>) represents about 65.3%, support services of CCI (O<sub>9</sub>) about 2.8% 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 2015-2020 (average full time equivalent)**

Domains (by industries)	Year	Employment of CCI (employees and self-employed)					
		2015	2016	2017	2018	2019	2020
O <sub>1</sub> Cultural heritage		3,017	2,954	3,167	3,028	3,175	2,954
O <sub>2</sub> Periodical and non-periodical printing		3,100	3,461	3,504	3,087	2,807	2,127
O <sub>3</sub> Visual arts and crafts		1,221	1,372	1,544	1,475	1,707	1,788
O <sub>4</sub> Architecture		1,455	1,669	1,921	1,968	2,043	1,911
O <sub>5</sub> Performing arts		2,695	2,706	2,543	2,795	2,684	2,705
O <sub>6</sub> Audiovisual and multimedia		2,012	2,127	2,372	2,416	2,557	2,406
O <sub>7</sub> Advertising		2,459	2,558	2,930	2,904	3,089	2,736
O <sub>8</sub> Art education		3,681	3,581	3,532	3,714	4,284	4,663
O <sub>9</sub> Support services for CCI		1,181	1,140	1,082	1,031	1,229	918
Industries out of CCI (but products of CCI)		10,858	10,732	10,580	10,870	10,846	10,404
<b>Employment of CCI total</b>		<b>31,679</b>	<b>32,300</b>	<b>33,175</b>	<b>33,288</b>	<b>34,423</b>	<b>32,612</b>
Employment of economy total		2,229,169	2,277,725	2,321,208	2,365,677	2,391,696	2,336,894
<b>Share of employment of CCI in employment of economy (%)</b>		<b>1.42</b>	<b>1.42</b>	<b>1.43</b>	<b>1.41</b>	<b>1.44</b>	<b>1.40</b>

### 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 2015-2020 (mill. EUR)**

Groups of CCI products	Year	Import					
		2015	2016	2017	2018	2019	2020
P <sub>1</sub> Heritage, Archives, Libraries		0.075	0.189	0.158	0.524	0.862	0.294
P <sub>2</sub> Books and press		71.876	72.736	78.105	92.925	81.550	76.959
P <sub>3</sub> Visual arts services		17.441	20.079	26.190	29.568	29.656	20.475
P <sub>4</sub> Architectural services		2.241	1.566	14.311	1.766	3.552	1.396
P <sub>5</sub> Performing arts services		0.002	0.000	0.000	0.000	0.000	0.000
P <sub>6</sub> Audiovisual and multimedia		50.938	37.339	16.766	48.902	85.940	83.603
P <sub>7</sub> Advertising services		53.897	61.672	44.737	62.169	74.309	55.331
P <sub>8</sub> Interdisciplinary products		37.835	27.879	31.897	49.464	53.894	24.573
P <sub>9</sub> Minor products of CCI		0.992	0.889	0.849	1.047	1.520	1.289
<b>Total CCI</b>		<b>235.296</b>	<b>222.348</b>	<b>213.012</b>	<b>286.365</b>	<b>331.282</b>	<b>263.920</b>
Total economy		69,460.467	70,927.903	76,913.680	82,011.021	83,897.076	76,491.478
<b>Share of CCI import in total import (%)</b>		<b>0.34</b>	<b>0.31</b>	<b>0.28</b>	<b>0.35</b>	<b>0.39</b>	<b>0.35</b>

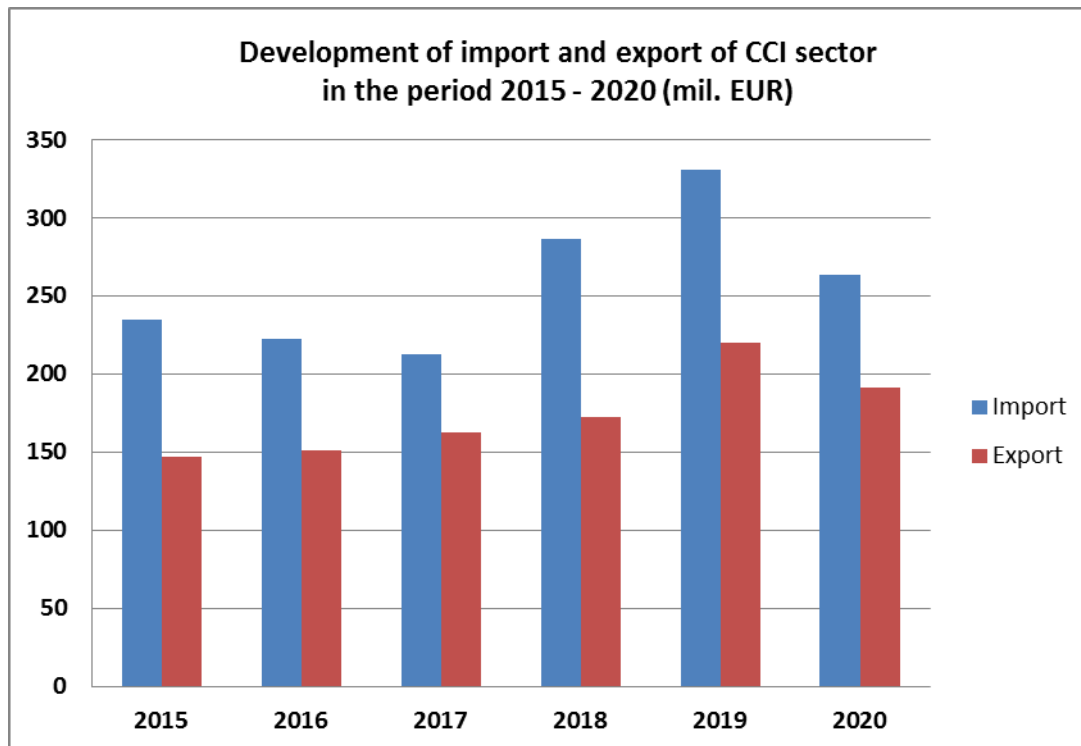
**Table 5 Export of CCI in the period 2015-2020 (mill. EUR)**

Groups of CCI products	Year	Export					
		2015	2016	2017	2018	2019	2020
P <sub>1</sub> Heritage, Archives, Libraries		0.020	0.000	0.030	0.011	0.129	0.196
P <sub>2</sub> Books and press		27.374	45.762	26.724	39.922	40.420	37.669
P <sub>3</sub> Visual arts services		12.598	14.714	14.930	6.310	14.497	13.826
P <sub>4</sub> Architectural services		2.356	2.342	14.749	3.734	2.232	1.461
P <sub>5</sub> Performing arts services		0.004	0.000	0.000	0.000	0.000	0.000
P <sub>6</sub> Audiovisual and multimedia		32.127	20.842	5.382	27.041	58.029	50.426
P <sub>7</sub> Advertising services		56.057	46.565	82.372	79.823	89.503	72.054
P <sub>8</sub> Interdisciplinary products		16.078	20.609	17.442	14.549	14.248	14.791
P <sub>9</sub> Minor products of CCI		0.585	0.640	0.879	1.116	1.362	1.123
<b>Total CCI</b>		<b>147.201</b>	<b>151.474</b>	<b>162.508</b>	<b>172.506</b>	<b>220.419</b>	<b>191.545</b>
Total economy		70,709.883	73,249.819	79,400.938	83,441.327	83,844.194	77,485.227
<b>Share of CCI export in total export (%)</b>		<b>0.21</b>	<b>0.21</b>	<b>0.20</b>	<b>0.21</b>	<b>0.26</b>	<b>0.25</b>

**Table 6 External balance of CCI in the period 2015-2020 (mill. EUR)**

Groups of CCI products	Year	External balance					
		2015	2016	2017	2018	2019	2020
P <sub>1</sub> Heritage, Archives, Libraries		-0.055	-0.189	-0.128	-0.513	-0.732	-0.098
P <sub>2</sub> Books and press		-44.502	-26.974	-51.381	-53.003	-41.130	-39.290
P <sub>3</sub> Visual arts services		-4.843	-5.364	-11.259	-23.258	-15.159	-6.649
P <sub>4</sub> Architectural services		0.115	0.776	0.439	1.968	-1.320	0.065
P <sub>5</sub> Performing arts services		0.003	0.000	0.000	0.000	0.000	0.000
P <sub>6</sub> Audiovisual and multimedia		-18.811	-16.496	-11.384	-21.862	-27.911	-33.177
P <sub>7</sub> Advertising services		2.160	-15.107	37.635	17.654	15.194	16.723
P <sub>8</sub> Interdisciplinary products		-21.757	-7.270	-14.455	-34.914	-39.646	-9.782
P <sub>9</sub> Minor products of CCI		-0.407	-0.250	0.030	0.068	-0.158	-0.166
<b>Total CCI</b>		<b>-88.095</b>	<b>-70.874</b>	<b>-50.504</b>	<b>-113.859</b>	<b>-110.863</b>	<b>-72.375</b>

Chart 3



External balance of CCI products was negative during the whole reported period 2015-2020. In 2020, it reached -72.375 mill. EUR. The negative balance was influenced mainly by group of products *Books and press (P<sub>2</sub>)* and *Audiovisual and multimedia (P<sub>6</sub>)*. Only *Advertising services (P<sub>7</sub>)* and *Architectural services (P<sub>4</sub>)* reached the positive balance in 2020.

## 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 Sources of funding of CCI in 2020 (mill. EUR)**

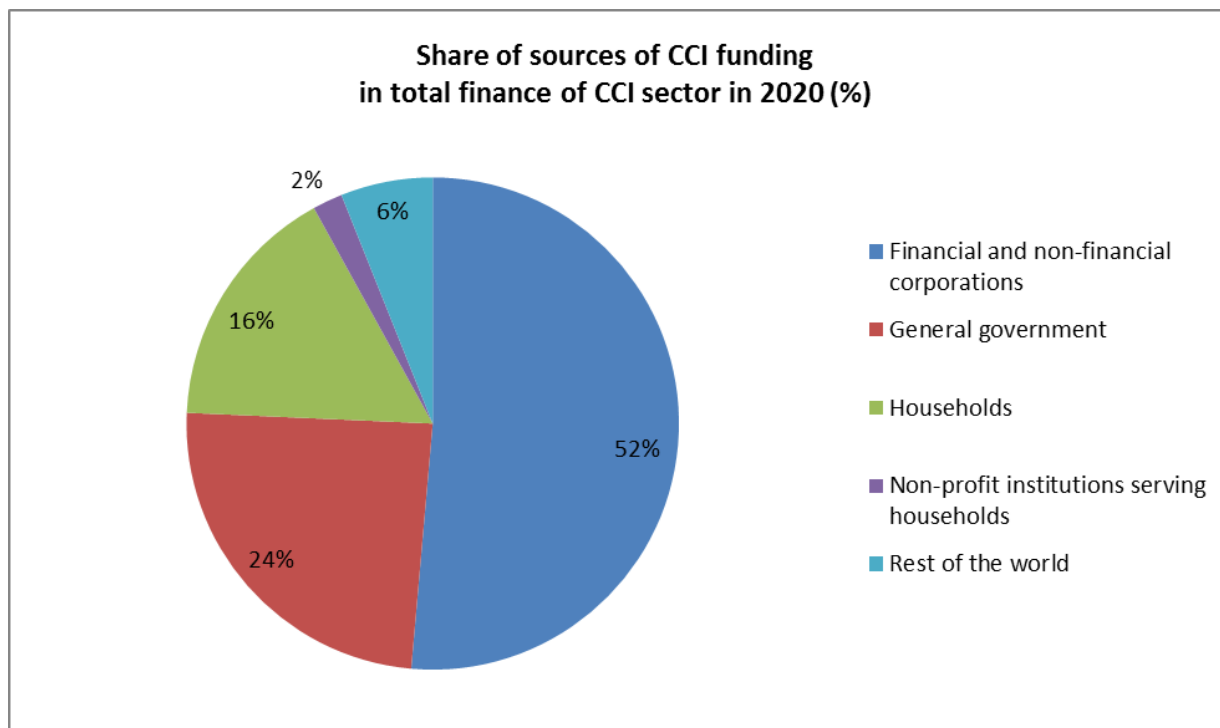
Groups of CCI products	Sources of funding				
	Financial and non-financial corporations	General government	Households	Non-profit institutions serving households	Rest of the world
P <sub>1</sub> Heritage, Archives, Libraries	17.574	149.464	7.996	0.698	0.196
P <sub>2</sub> Books and press	28.792	2.358	192.268	0.000	37.669
P <sub>3</sub> Visual arts services	103.671	0.370	15.022	0.060	13.826
P <sub>4</sub> Architectural services	333.582	0.000	42.077	0.151	1.461
P <sub>5</sub> Performing arts services	36.876	156.311	16.695	2.971	0.000
P <sub>6</sub> Audiovisual and multimedia	158.252	152.119	197.531	5.718	50.426
P <sub>7</sub> Advertising services	849.638	0.000	0.000	0.000	72.054
P <sub>8</sub> Interdisciplinary products	76.175	263.187	43.857	51.591	14.791
P <sub>9</sub> Minor products of CCI	23.106	45.946	0.153	1.238	1.123
<b>Total CCI</b>	<b>1,627.667</b>	<b>769.755</b>	<b>515.598</b>	<b>62.427</b>	<b>191.545</b>
Total economy	136,237.951	19,761.840	52,607.578	896.907	77,485.227
<b>Share of sources of CCI funding in total economy (%)</b>	<b>1.19</b>	<b>3.90</b>	<b>0.98</b>	<b>6.96</b>	<b>0.25</b>
<b>Share of sources of CCI funding in total CCI sector (%)</b>	<b>51.39</b>	<b>24.31</b>	<b>16.28</b>	<b>1.97</b>	<b>6.05</b>

**Table 8 Share of sources of CCI funding in total finance of CCI sector in 2020 (%)**

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 <sub>1</sub> Heritage, Archives, Libraries	100.00	9.99	84.96	4.54	0.40	0.11
P <sub>2</sub> Books and press	100.00	11.03	0.90	73.64	0.00	14.43
P <sub>3</sub> Visual arts services	100.00	77.98	0.28	11.30	0.05	10.40
P <sub>4</sub> Architectural services	100.00	88.42	0.00	11.15	0.04	0.39
P <sub>5</sub> Performing arts services	100.00	17.32	73.44	7.84	1.40	0.00
P <sub>6</sub> Audiovisual and multimedia	100.00	28.06	26.97	35.02	1.01	8.94
P <sub>7</sub> Advertising services	100.00	92.18	0.00	0.00	0.00	7.82
P <sub>8</sub> Interdisciplinary products	100.00	16.94	58.54	9.75	11.47	3.29
P <sub>9</sub> Minor products of CCI	100.00	32.29	64.20	0.21	1.73	1.57
<b>Total CCI</b>	<b>100.00</b>	<b>51.39</b>	<b>24.31</b>	<b>16.28</b>	<b>1.97</b>	<b>6.05</b>

Total amount of financial sources that covers offer of CCI products in 2020 has been estimated to 3,166.992 mill. EUR. The biggest part (51%) comes from financial and non-financial corporations. The second biggest part (24%) is created by general government, the third one are households (16%), the fourth position (6%) belongs to rest of the world and the last one (2%) are non-profit institutions serving households.

**Chart 4**



The share of funding sources in particular groups of CCI products in 2020 varies. The general government participated mostly on financing of the product group *Heritage, Archives, Libraries* (85%) and *Performing arts services* (73%) as well as *Minor products of CCI* (64%) and *Interdisciplinary products* (59%).

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* (92%), *Architectural services* (88%), *Visual arts services* (78%) and *Minor products of CCI* (32%).

Households participated predominantly on financing of CCI product groups *Books and press* (74%) and *Audiovisual and multimedia* (35%). Expenditures of households on CCI represents about 0.98% 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 (11%) was in financing of *Interdisciplinary products*.

Foreign countries participated mostly on financing of CCI product group *Books and press* (14%) and *Visual arts services* (10%).

### 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 2020 accounted for 1,498.280 mill. EUR. Its share in the value added of the whole economy represented 1.82%.

Gross Domestic Product of CCI in the year 2020 was reported in the amount of 1,550.505 mill. EUR, which represents 1.68% 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 2020 accounted for about 1.40% 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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