

# **The summary results of the Satellite Account on Culture and Creative Industry of the Slovak Republic (2013-2018)**

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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 2013-2018 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 a second perspective is applied, i.e. production, respectively value added is formed 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 2018 was 1,469.567 mill. EUR, in comparison with 2017 it was an increase by 110.009 mill. EUR. The core domains (O<sub>1</sub>-O<sub>8</sub>) represents about 67.9%, support services of CCI (O<sub>9</sub>) about 9.0% and other industries about 23.1% of the VA of the whole CCI sector. Compared to the whole economy, the VA of CCI, represents 1.83% in 2018 (a slight increase of 0.05% compared to 2017).

**Table 1a Value added of CCI in the period 2013-2018 (mill. EUR)**

Domains (by industries)	Value Added						
	Year	2013	2014	2015	2016	2017	2018
O <sub>1</sub> Cultural heritage		81.335	80.733	91.709	105.674	104.394	106.160
O <sub>2</sub> Periodical and non-periodical printing		102.924	103.102	125.925	113.247	100.778	99.104
O <sub>3</sub> Visual arts and crafts		38.216	30.462	33.804	39.632	44.556	36.928
O <sub>4</sub> Architecture		61.113	61.624	88.640	94.314	109.669	148.531
O <sub>5</sub> Performing arts		96.956	96.588	87.885	113.238	127.678	130.441
O <sub>6</sub> Audiovisual and multimedia		87.396	97.462	113.577	123.157	124.394	155.322
O <sub>7</sub> Advertising		210.766	225.987	246.407	243.370	185.536	217.929
O <sub>8</sub> Art education		72.964	78.740	84.792	93.037	99.112	102.832
O <sub>9</sub> Support services for CCI		101.343	61.674	76.284	93.384	100.389	132.371
Industries out of CCI (but products of CCI)		268.965	228.687	254.848	334.658	363.051	339.949
<b>Total CCI</b>		<b>1,121.980</b>	<b>1,065.059</b>	<b>1,203.872</b>	<b>1,353.710</b>	<b>1,359.558</b>	<b>1,469.567</b>
Total economy		67,521.912	68,907.405	71,446.187	73,436.195	76,430.454	80,379.86
<b>Share of VA of CCI in VA of economy (%)</b>		<b>1.66</b>	<b>1.55</b>	<b>1.69</b>	<b>1.84</b>	<b>1.78</b>	<b>1.83</b>

**Table 1b Share of VA of CCI by domains in VA of the whole economy in the period 2013-2018 (%)**

Domains (by industries)	Year	Value Added					
		2013	2014	2015	2016	2017	2018
O <sub>1</sub> Cultural heritage		0.12	0.12	0.13	0.14	0.14	0.13
O <sub>2</sub> Periodical and non-periodical printing		0.15	0.15	0.18	0.15	0.13	0.12
O <sub>3</sub> Visual arts and crafts		0.06	0.04	0.05	0.05	0.06	0.05
O <sub>4</sub> Architecture		0.09	0.09	0.12	0.13	0.14	0.18
O <sub>5</sub> Performing arts		0.14	0.14	0.12	0.15	0.17	0.16
O <sub>6</sub> Audiovisual and multimedia		0.13	0.14	0.16	0.17	0.16	0.19
O <sub>7</sub> Advertising		0.31	0.33	0.34	0.33	0.24	0.27
O <sub>8</sub> Art education		0.11	0.11	0.12	0.13	0.13	0.13
O <sub>9</sub> Support services for CCI		0.15	0.09	0.11	0.13	0.13	0.16
Industries out of CCI (but products of CCI)		0.40	0.33	0.36	0.46	0.48	0.42
<b>Total CCI</b>		<b>1.66</b>	<b>1.55</b>	<b>1.69</b>	<b>1.84</b>	<b>1.78</b>	<b>1.83</b>

**Table 1c Share of VA of CCI by domains in VA of the whole CCI sector in the period 2013-2018 (%)**

Domains (by industries)	Year	Value Added					
		2013	2014	2015	2016	2017	2018
O <sub>1</sub> Cultural heritage		7.25	7.58	7.62	7.81	7.68	7.22
O <sub>2</sub> Periodical and non-periodical printing		9.17	9.68	10.46	8.37	7.41	6.74
O <sub>3</sub> Visual arts and crafts		3.41	2.86	2.81	2.93	3.28	2.51
O <sub>4</sub> Architecture		5.45	5.79	7.36	6.97	8.07	10.11
O <sub>5</sub> Performing arts		8.64	9.07	7.30	8.37	9.39	8.88
O <sub>6</sub> Audiovisual and multimedia		7.79	9.15	9.43	9.10	9.15	10.57
O <sub>7</sub> Advertising		18.79	21.22	20.47	17.98	13.65	14.83
O <sub>8</sub> Art education		6.50	7.39	7.04	6.87	7.29	7.00
O <sub>9</sub> Support services for CCI		9.03	5.79	6.34	6.90	7.38	9.01
Industries out of CCI (but products of CCI)		23.97	21.47	21.17	24.72	26.70	23.13
<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 2018 amounted to 1,516.342 mill. EUR. This represented an increase of EUR 125.308 mill. EUR compared to 2017. The core domains (O1-O8) represent about 69.1%, *Support services for CCIs* (O9) about 8.8% and *Industries out of CCI* represent about 22.1% of the GDP of the whole CCI sector. The share of GDP of CCI sector was 1.69% to GDP of the whole economy in 2018, which was a slight increase by 0.05% compared to 2017.

**Table 2a Gross domestic product of CCI in the period 2013-2018 (mill. EUR)**

Domains (by industries)	Year	Gross domestic product					
		2013	2014	2015	2016	2017	2018
O <sub>1</sub> Cultural heritage		80.363	79.684	90.195	105.674	104.394	106.160
O <sub>2</sub> Periodical and non-periodical printing		100.246	130.643	132.323	116.373	120.483	111.189
O <sub>3</sub> Visual arts and crafts		40.852	32.970	36.809	42.376	48.407	40.626
O <sub>4</sub> Architecture		62.234	62.682	89.522	95.298	111.187	150.393
O <sub>5</sub> Performing arts		99.235	99.783	90.451	114.904	129.875	133.638
O <sub>6</sub> Audiovisual and multimedia		113.555	122.872	130.407	144.156	142.498	174.179
O <sub>7</sub> Advertising		220.041	236.594	259.728	256.352	192.404	228.216
O <sub>8</sub> Art education		72.957	78.733	84.792	93.032	99.106	102.832
O <sub>9</sub> Support services for CCI		74.076	47.086	57.828	74.198	87.130	133.274
Industries out of CCI (but products of CCI)		270.064	221.033	245.086	326.463	355.549	335.837
<b>Total CCI</b>		<b>1,133.624</b>	<b>1,112.079</b>	<b>1,217.140</b>	<b>1,368.825</b>	<b>1,391.034</b>	<b>1,516.342</b>
Total economy		74,169.873	76,087.789	79,138.243	81,226.073	84,850.874	89,605.907
<b>Share of GDP of CCI in GDP of economy (%)</b>		<b>1.53</b>	<b>1.46</b>	<b>1.54</b>	<b>1.69</b>	<b>1.64</b>	<b>1.69</b>

**Table 2b Share of GDP of CCI by domains in GDP of the whole economy in the period 2013-2018 (%)**

Domains (by industries)	Year	Gross domestic product					
		2013	2014	2015	2016	2017	2018
O <sub>1</sub> Cultural heritage		0.11	0.10	0.11	0.13	0.12	0.12
O <sub>2</sub> Periodical and non-periodical printing		0.14	0.17	0.17	0.14	0.14	0.12
O <sub>3</sub> Visual arts and crafts		0.06	0.04	0.05	0.05	0.06	0.05
O <sub>4</sub> Architecture		0.08	0.08	0.11	0.12	0.13	0.17
O <sub>5</sub> Performing arts		0.13	0.13	0.11	0.14	0.15	0.15
O <sub>6</sub> Audiovisual and multimedia		0.15	0.16	0.16	0.18	0.17	0.19
O <sub>7</sub> Advertising		0.30	0.31	0.33	0.32	0.23	0.25
O <sub>8</sub> Art education		0.10	0.10	0.11	0.11	0.12	0.11
O <sub>9</sub> Support services for CCI		0.10	0.06	0.07	0.09	0.10	0.15
Industries out of CCI (but products of CCI)		0.36	0.29	0.31	0.40	0.42	0.37
<b>Total CCI</b>		<b>1.53</b>	<b>1.46</b>	<b>1.54</b>	<b>1.69</b>	<b>1.64</b>	<b>1.69</b>

**Table 2c Share of GDP of CCI by domains in GDP of the whole CCI sector in the period 2013-2018 (%)**

Domains (by industries)	Year	Gross domestic product					
		2013	2014	2015	2016	2017	2018
O <sub>1</sub> Cultural heritage		7.09	7.17	7.41	7.72	7.50	7.00
O <sub>2</sub> Periodical and non-periodical printing		8.84	11.75	10.87	8.50	8.66	7.33
O <sub>3</sub> Visual arts and crafts		3.60	2.96	3.02	3.10	3.48	2.68
O <sub>4</sub> Architecture		5.49	5.64	7.36	6.96	7.99	9.92
O <sub>5</sub> Performing arts		8.75	8.97	7.43	8.39	9.34	8.81
O <sub>6</sub> Audiovisual and multimedia		10.02	11.05	10.71	10.53	10.24	11.49
O <sub>7</sub> Advertising		19.41	21.27	21.34	18.73	13.83	15.05
O <sub>8</sub> Art education		6.44	7.08	6.97	6.80	7.12	6.78
O <sub>9</sub> Support services for CCI		6.53	4.23	4.75	5.42	6.26	8.79
Industries out of CCI (but products of CCI)		23.82	19.88	20.14	23.85	25.56	22.15
<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

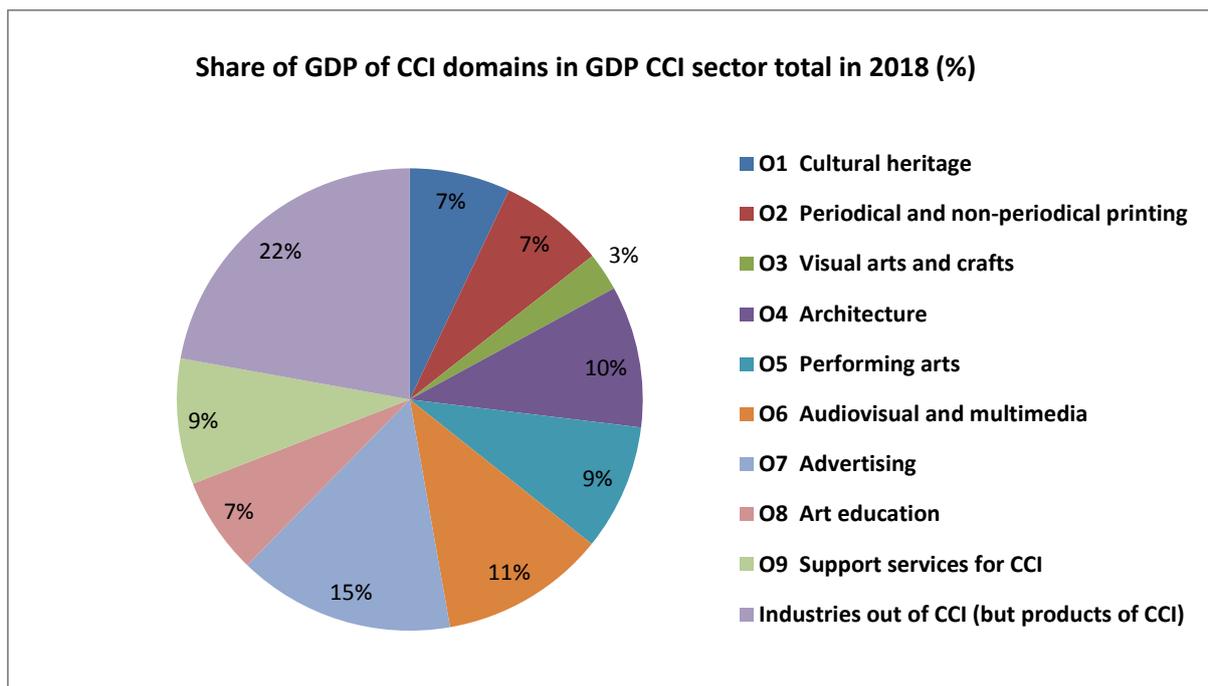
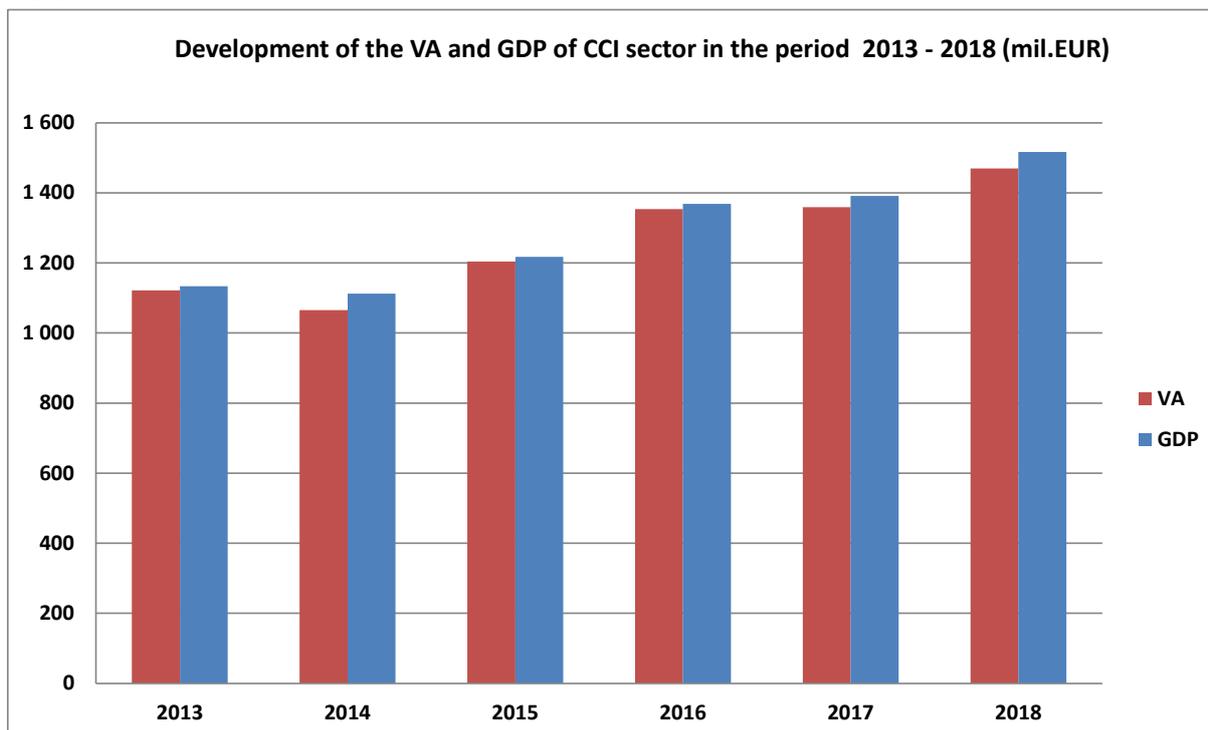


Chart 2



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 2018.

*Advertising, Audiovisual and multimedia and Architecture* have the major share in VA and GDP among all domains of CCI. *Visual arts and crafts* and *Art education* 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 22 % (in 2018) 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 2018 represents about 1.41% of total employment of whole economy. Employment of core domains (O<sub>1</sub>-O<sub>8</sub>) represents about 64.2%, support services of CCI (O<sub>9</sub>) about 3.1% of total CCI employment. Also in *Industries out of CCI* sector occurs CCI-related employees. They represent about 32.7% of total CCI employment.

**Table 3 Employment of CCI in the period 2013-2018 (average full time equivalent)**

Domains (by industries)	Year	Employment of CCI (employees and self-employed)					
		2013	2014	2015	2016	2017	2018
O <sub>1</sub> Cultural heritage		2,765	2,739	3,017	2,954	3,167	3,028
O <sub>2</sub> Periodical and non-periodical printing		2,970	3,017	3,100	3,461	3,504	3,087
O <sub>3</sub> Visual arts and crafts		1,260	1,174	1,221	1,372	1,544	1,475
O <sub>4</sub> Architecture		1,382	1,412	1,455	1,669	1,921	1,968
O <sub>5</sub> Performing arts		2,425	2,450	2,695	2,706	2,543	2,795
O <sub>6</sub> Audiovisual and multimedia		1,859	1,977	2,012	2,127	2,372	2,416
O <sub>7</sub> Advertising		2,421	2,376	2,459	2,558	2,930	2,904
O <sub>8</sub> Art education		3,181	3,262	3,681	3,581	3,532	3,714
O <sub>9</sub> Support services for CCI		1,149	1,234	1,181	1,140	1,082	1,031
Industries out of CCI (but products of CCI)		11,241	11,161	10,858	10,732	10,580	10,870
<b>Employment of CCI total</b>		<b>30,653</b>	<b>30,801</b>	<b>31,679</b>	<b>32,300</b>	<b>33,175</b>	<b>33,288</b>
Employment of economy total		2,156,357	2,183,898	2,229,169	2,277,725	2,321,208	2,365,677
<b>Share of employment of CCI in employment of economy (%)</b>		<b>1.42</b>	<b>1.41</b>	<b>1.42</b>	<b>1.42</b>	<b>1.43</b>	<b>1.41</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 2013-2018 (mill. EUR)**

Groups of CCI products	Year	Import					
		2013	2014	2015	2016	2017	2018
P <sub>1</sub> Heritage, Archives, Libraries		0.320	0.320	0.075	0.189	0.158	0.524
P <sub>2</sub> Books and press		67.279	67.279	71.876	72.736	78.105	92.925
P <sub>3</sub> Visual arts services		8.341	9.819	17.441	20.079	26.190	29.568
P <sub>4</sub> Architectural services		2.535	1.102	2.241	1.566	14.311	1.766
P <sub>5</sub> Performing arts services		0.000	0.000	0.002	0.000	0.000	0.000
P <sub>6</sub> Audiovisual and multimedia		40.611	41.325	50.938	37.339	16.766	48.902
P <sub>7</sub> Advertising services		42.395	45.406	53.897	61.672	44.737	62.169
P <sub>8</sub> Interdisciplinary products		28.262	30.154	37.835	27.879	31.897	49.464
P <sub>9</sub> Minor products of CCI		0.564	0.602	0.992	0.889	0.849	1.047
<b>Total CCI</b>		<b>190.307</b>	<b>196.006</b>	<b>235.296</b>	<b>222.348</b>	<b>213.012</b>	<b>286.365</b>
Total economy		64,201.967	64,962.724	69,460.467	70,927.903	76,913.680	82,011.021
<b>Share of CCI import in total import (%)</b>		<b>0.30</b>	<b>0.30</b>	<b>0.34</b>	<b>0.31</b>	<b>0.28</b>	<b>0.35</b>

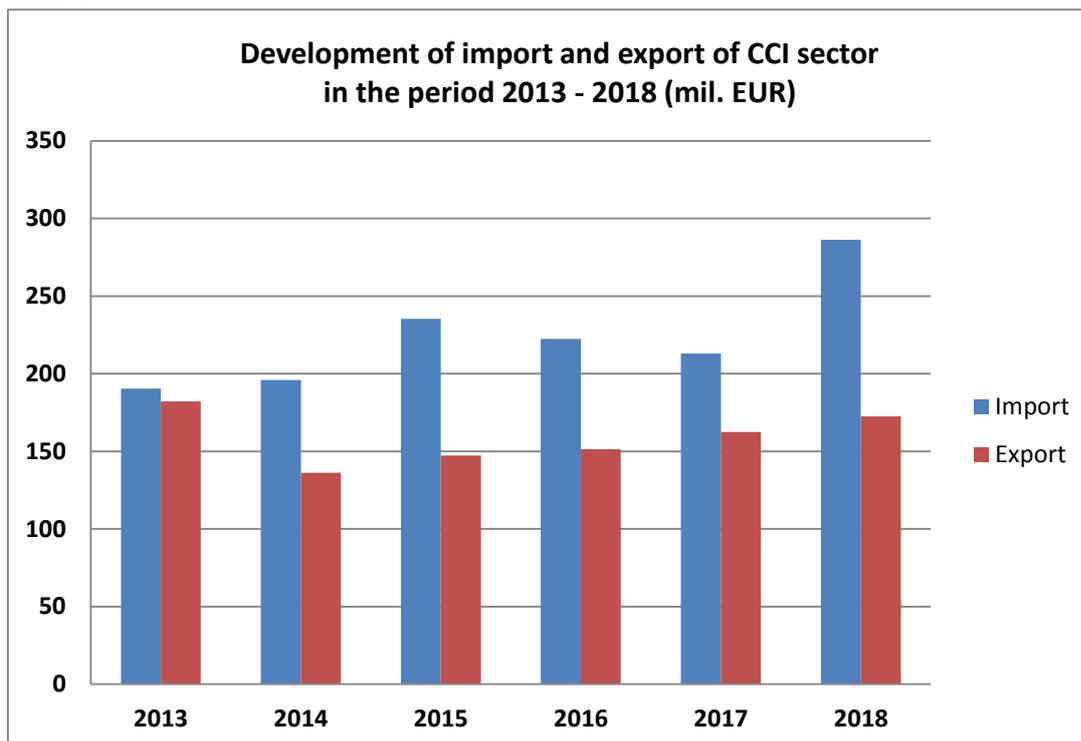
**Table 5 Export of CCI in the period 2013-2018 (mill. EUR)**

Groups of CCI products	Year	Export					
		2013	2014	2015	2016	2017	2018
P <sub>1</sub> Heritage, Archives, Libraries		0.007	0.003	0.020	0.000	0.030	0.011
P <sub>2</sub> Books and press		33.336	19.280	27.374	45.762	26.724	39.922
P <sub>3</sub> Visual arts services		5.723	6.866	12.598	14.714	14.930	6.310
P <sub>4</sub> Architectural services		1.897	2.847	2.356	2.342	14.749	3.734
P <sub>5</sub> Performing arts services		0.000	0.000	0.004	0.000	0.000	0.000
P <sub>6</sub> Audiovisual and multimedia		33.736	28.844	32.127	20.842	5.382	27.041
P <sub>7</sub> Advertising services		85.742	58.917	56.057	46.565	82.372	79.823
P <sub>8</sub> Interdisciplinary products		21.096	18.794	16.078	20.609	17.442	14.549
P <sub>9</sub> Minor products of CCI		0.687	0.682	0.585	0.640	0.879	1.116
<b>Total CCI</b>		<b>182.227</b>	<b>136.233</b>	<b>147.201</b>	<b>151.474</b>	<b>162.508</b>	<b>172.506</b>
Total economy		67,429.994	67,721.542	70,709.883	73,249.819	79,400.938	83,441.327
<b>Share of CCI export in total export (%)</b>		<b>0.27</b>	<b>0.20</b>	<b>0.21</b>	<b>0.21</b>	<b>0.20</b>	<b>0.21</b>

**Table 6 External balance of CCI in the period 2013-2018 (mill. EUR)**

Groups of CCI products	Year	External balance					
		2013	2014	2015	2016	2017	2018
P <sub>1</sub> Heritage, Archives, Libraries		-0.312	-0.317	-0.055	-0.189	-0.128	-0.513
P <sub>2</sub> Books and press		-33.943	-47.999	-44.502	-26.974	-51.381	-53.003
P <sub>3</sub> Visual arts services		-2.617	-2.952	-4.843	-5.364	-11.259	-23.258
P <sub>4</sub> Architectural services		-0.638	1.745	0.115	0.776	0.439	1.968
P <sub>5</sub> Performing arts services		0.000	0.000	0.003	0.000	0,000	0.000
P <sub>6</sub> Audiovisual and multimedia		-6.875	-12.481	-18.811	-16.496	-11.384	-21.862
P <sub>7</sub> Advertising services		43.347	13.511	2.160	-15.107	37.635	17.654
P <sub>8</sub> Interdisciplinary products		-7.166	-11.360	-21.757	-7.270	-14.455	-34.914
P <sub>9</sub> Minor products of CCI		0.123	0.080	-0.407	-0.250	0.030	0.068
<b>Total CCI</b>		<b>-8.080</b>	<b>-59.773</b>	<b>-88.095</b>	<b>-70.874</b>	<b>-50.504</b>	<b>-113.859</b>

Chart 3



External balance of CCI products was negative during the whole reported period 2013-2018. In 2018, it reached -113.859 mill. EUR. The negative balance was influenced mainly by group of products *Books and press (P<sub>2</sub>)* and *Interdisciplinary products (P<sub>8</sub>)*. Groups of products which reached the positive balance in 2018 are *Architectural services (P<sub>4</sub>)*, *Advertising services (P<sub>7</sub>)* and *Minor products of CCI (P<sub>9</sub>)*.

## 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 2018 (mill. EUR)**

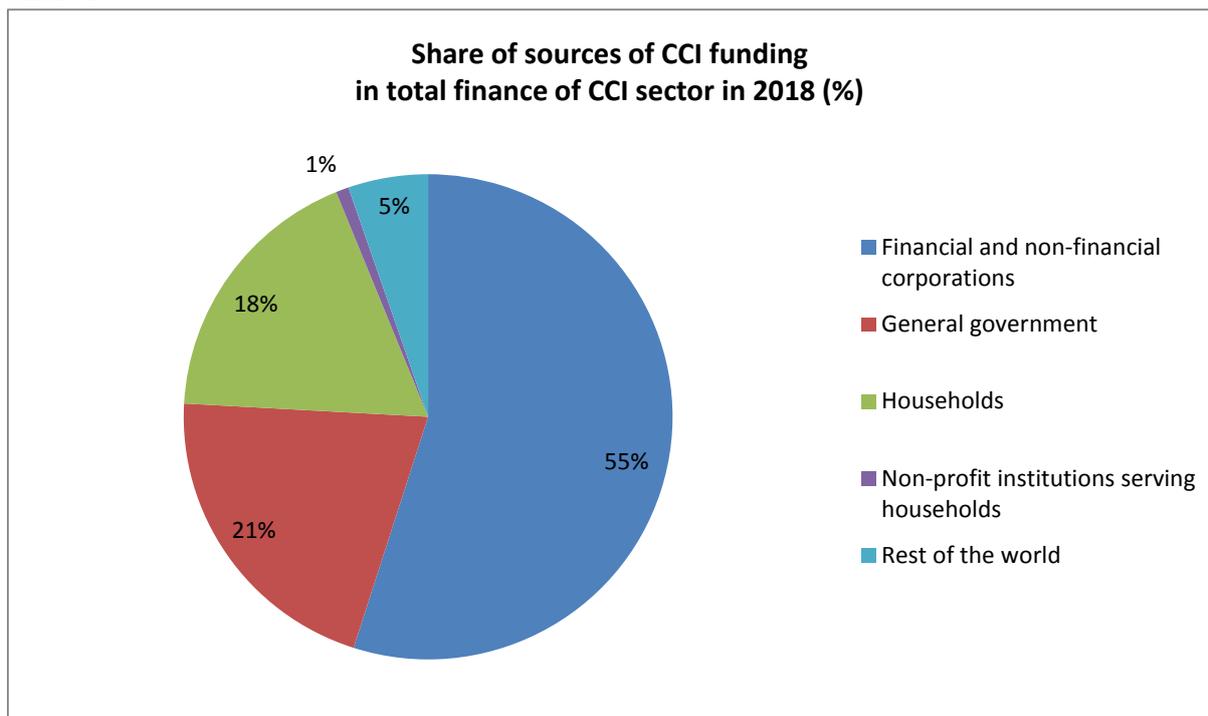
Groups of CCI products	Sources of funding				
	Financial and non-financial corporations	General government	Households	Non-profit institutions serving households	Rest of the world
P <sub>1</sub> Heritage, Archives, Libraries	16.908	132.354	11.726	1.067	0.011
P <sub>2</sub> Books and press	64.228	3.151	203.378	0.000	39.922
P <sub>3</sub> Visual arts services	120.194	1.606	19.077	0.130	6.310
P <sub>4</sub> Architectural services	373.551	0.000	67.878	0.000	3.734
P <sub>5</sub> Performing arts services	60.409	162.267	26.476	2.617	0.000
P <sub>6</sub> Audiovisual and multimedia	167.881	131.005	198.16	0.001	27.041
P <sub>7</sub> Advertising services	854.773	0.000	0.000	0.000	79.823
P <sub>8</sub> Interdisciplinary products	94.841	212.567	59.71	22.250	14.549
P <sub>9</sub> Minor products of CCI	39.529	40.178	0.506	1.707	1.116
<b>Total CCI</b>	<b>1,792.315</b>	<b>683.130</b>	<b>586.911</b>	<b>27.772</b>	<b>172.506</b>
Total economy	151,106.942	16,698.444	49,963.494	749.561	83,441.327
<b>Share of sources of CCI funding in total economy (%)</b>	<b>1.19</b>	<b>4.09</b>	<b>1.17</b>	<b>3.71</b>	<b>0.21</b>
<b>Share of sources of CCI funding in total CCI sector (%)</b>	<b>54.93</b>	<b>20.94</b>	<b>17.99</b>	<b>0.85</b>	<b>5.29</b>

**Table 8 Share of sources of CCI funding in total finance of CCI sector in 2018 (%)**

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	10.43	81.67	7.24	0.66	0.01
P <sub>2</sub> Books and press	100.00	20.67	1.01	65.46	0.00	12.85
P <sub>3</sub> Visual arts services	100.00	81.59	1.09	12.95	0.09	4.28
P <sub>4</sub> Architectural services	100.00	83.91	0.00	15.25	0.00	0.84
P <sub>5</sub> Performing arts services	100.00	23.99	64.45	10.52	1.04	0.00
P <sub>6</sub> Audiovisual and multimedia	100.00	32.03	25.00	37.81	0.00	5.16
P <sub>7</sub> Advertising services	100.00	91.46	0.00	0.00	0.00	8.54
P <sub>8</sub> Interdisciplinary products	100.00	23.48	52.63	14.78	5.51	3.60
P <sub>9</sub> Minor products of CCI	100.00	47.60	48.39	0.61	2.06	1.34
<b>Total CCI</b>	<b>100.00</b>	<b>54.93</b>	<b>20.94</b>	<b>17.99</b>	<b>0.85</b>	<b>5.29</b>

Total amount of financial sources that covers offer of CCI products in 2018 has been estimated to 3,262.634 mill. EUR. The biggest part (55%) comes from financial and non-financial corporations. The second biggest part (21%) is created by general government, the third one are households (18%), the fourth position (5%) belongs to rest of the world and the last one (1%) are non-profit institutions serving households.

Chart 4



The share of funding sources in particular groups of CCI products in 2018 varies. The general government participated mostly on financing of the product group *Heritage, Archives, Libraries* (82%) and *Performing arts services* (64%) as well as *Interdisciplinary products* (53%) and *Minor products of CCI* (48%).

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* (84%), *Visual arts services* (82%) and *Minor products of CCI* (48%).

Households participated predominantly on financing of CCI product groups *Books and press* (65%) and *Audiovisual and multimedia* (38%). Expenditures of households on CCI represents about 1.17% 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 participated mostly on financing of CCI product group *Books and press* (13%) and *Advertising services*(9%).

### 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 2018 accounted for 1,469.567 mill. EUR. Its share in the value added of the whole economy represented 1.83%.

Gross Domestic Product of CCI in the year 2018 was reported in the amount of 1,516.342 mill. EUR, which represents 1.69% 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 2018 accounted for about 1.41% 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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