



TECHNICAL ASSISTANCE REPORT

ST. LUCIA

Report on Rebasing of GDP Mission (January 27–February 7, 2020)

FEBRUARY 2020

PREPARED BY

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Glossary

<i>2008 SNA</i>	<i>System of National Accounts 2008</i>
CARTAC	Caribbean Regional Technical Assistance Centre
CFC	Consumption of fixed capital
CPI	Consumer price index
CSO	Central Statistics Office
ECCB	Eastern Caribbean Central Bank
FISIM	Financial intermediation services indirectly measured
GDP-P	Gross domestic product by economic activity
GVA	Gross value added
HFCE	Household final consumption expenditure
IC	Intermediate consumption
I/O ratios	IC to output ratios
ISIC	International Standard Industrial Classification of All Economic Activities
MOED	Ministry of Economic Development, Housing, Urban Renewal, Transport and Civil Aviation
MOF	Ministry of Finance
MOU	Memorandum of understanding
NAS	National Accounts Section
NIC	National Insurance Corporation
NPISHs	Non-profit institutions serving households
SUT	Supply and use tables
TA	Technical assistance
VAT	Value added tax
XCD	Eastern Caribbean Dollars
XLPM	Excel Add-in Proportional Benchmarking Method

SUMMARY OF MISSION OUTCOMES AND PRIORITY RECOMMENDATIONS

1. **A technical assistance (TA) mission was undertaken by the Real Sector Statistics Advisor in the Caribbean Regional Technical Assistance Centre (CARTAC) to Saint Lucia during January 27-February 7, 2020, to provide advice to the Central Statistics Office (CSO) on compiling rebased GDP estimates.** The 2006 base year for the GDP estimates is outdated and does not reflect the current structure of the economy. There is scope to improve the data sources and GDP compilation methodology and to implement the relevant *System of National Accounts 2008 (2008 SNA)* recommendations.
2. **The CSO is responding to the needs of the Ministry of Finance (MOF) for more robust and timely national accounts statistics.** In addition to producing annual and quarterly current and constant price GDP by economic activity (GDP-P), the CSO also compiles annual current price GDP by expenditure estimates. The supply and use tables (SUT) for 2016 have been compiled, with the benchmark estimates, based on the International Standard Industrial Classification of All Economic Activities (ISIC) Revision 4, have been incorporated into the redeveloped compilation system. Implementation of the relevant *2008 SNA* changes, benchmark estimates, and improved statistical techniques should result in more robust debt and fiscal revenue to GDP ratios, real GDP growth rates, and internationally comparable GDP estimates.
3. **The SUT benchmark estimates were reviewed and further improvements were incorporated.** The revised GDP level for 2016 is 9.3 percent higher than the latest published estimate. Improved coverage was the main contributor to the increased GDP level, partly offset by higher intermediate consumption (IC) to output ratios. Improved coverage of activities of non-financial corporations and credit unions contributed 57 percent, informal sector activities and production for own consumption contributed 34 percent, extrabudgetary government units contributed 12 percent, and non-profit institutions serving households (NPISHs) contributed 2 percent. Partly offsetting these increases were improved coverage of IC of financial intermediation services indirectly measured (FISIM) for credit unions (-4 percent), and product subsidies (-2 percent).
4. **Revised current and constant 2018 price quarterly and annual GDP-P estimates have been compiled up to Q3 2019.** The revised benchmark SUT estimates and the latest input data for Q3 2019 were incorporated into the redeveloped compilation workbooks.
5. **These revised annual and quarterly GDP-P estimates at current and constant prices were reviewed during the mission and methodological improvements were implemented.** Improvements were made in recompiling the current price estimates back to 2000 for most industries, although a few could only be recompiled back to 2006 due to data constraints. In most instances, where the 2006 base year IC to output ratios were considered robust, a wedge was used to adjust the IC to output ratios for 2007 to 2015 to ensure value added was not over

or underestimated, and reflected only the improved coverage of the relevant industries output. For other industries, like fishing and business services, the 2006 IC to output ratios were adjusted to ensure the value added was realistic but still consistent with the improved coverage of the activities. Incorporation of recently revised travel services credits data from 2018 back to 2000 has also resulted in further revisions in the current price estimates.

6. The constant price estimates were improved for a number of industries. This was achieved by replacing weaker volume indicators with more robust employment data from the National Insurance Corporation (NIC) for a few manufacturing and several services industries, and reweighting and replacing component price indices for composite IC price indices for some industries, such as other crops, quarrying and sea transport. For years prior to 2016, the constant price estimates have been linked and back cast while maintaining the real growth rates from the previous 2006 base year series as far as possible.

7. Training on the methodological changes and compiling the revised GDP-P estimates was provided to the CSO staff. The training on methodological improvements included the use of more representative indicators and prices, wedging and linking techniques.

8. The mission and the Director and national accounts staff of the CSO met with the Minister and Permanent Secretary of Economic Development. The changes to the benchmark SUT estimates, quality of the revised GDP-P estimates, and the timetable for the release of the rebased estimates were explained. The annual and quarterly GDP-P estimates are to be updated to Q4 2019 and shared with key data users by February 21, 2020. The estimates will then be disseminated by April 3, 2020. The mission advised the Director of the need to ensure that the national accountants are not given any other duties for the next two weeks.

9. The action plan to finalize and release the final GDP-P estimates was agreed with the CSO Director. The following priority recommendations were identified:

Table 1. Priority Recommendations

Target Date	Priority Recommendation	Responsible Institutions
February 2020	<i>Compile GDP-P estimates for Q4 2019 and the initial 2019 estimates and share with key data users.</i>	CSO
April 2020	<i>Disseminate revised current price and rebased constant price annual and quarterly GDP-P estimates.</i>	CSO

COMPILING THE SUT AND REBASING OF GDP

A. Update of the SUT Benchmark Estimates

9. Further improvements were made to the benchmark estimates and the SUT was rebalanced. As a result of better industry coding of the NIC employment data, it was possible to calculate more robust estimates of production per worker. This revealed under or overestimation of output and value added for a few industries in the SUT. Further review of the value added tax (VAT) system data and household final consumption expenditure (HFCE) data led to recalculating the production estimates for: electricity, gas and water industry and retail and wholesale trade industry, as a result of reclassifying sale of gas in cylinders; domestic services activity and the other administrative and support services industry due to reclassification of gardening, house cleaning and security services; and to the air transport industry due to the treatment of branch operations of foreign airlines. In addition, older data revisions for the construction industry, and more recent data revisions for accommodation, food and beverage services, taxis, and tour operators were incorporated. Further adjustments were then made to the intermediate demand for the SUT products and IC estimates by industry. The trade margins and taxes on products were then readjusted and the SUT was rebalanced.

10. The revised GDP level for 2016 is 9.3 percent higher than the latest published estimate. The increase in the GDP level is essentially due to better coverage of economic activities, contributing 137 percent of the revision. Partly offsetting these increases were higher IC to output ratios contributing -38 percent of the change. Data revisions contributed 0.8 percent.

Table 2. Reasons for the Change in the GDP Level

Reasons for Change in the GDP Level	XCD Millions	Contributors	Coverage
Total change to GDP Level	430.5	100.0%	
Of which:			
Improved Coverage	590.5	137.2%	100%
Corporations (mainly VAT turnover and credit union data)	338.1		57%
Own produced household consumption	37.5		6%
Households (Informal Sector and Labor Force Surveys)	165.0		28%
Government (Local Government/Statutory Bodies)	72.0		12%
NPISHs	13.2		2%
FISIM (increase in FISIM IC from credit unions)	(26.2)		-4%
Subsidies on products	(9.1)		-2%
Revised IC to Output Ratios	(163.6)	-38.0%	
Data Revisions	3.6	0.8%	

11. Improvements in the source data were the main reason for the increased coverage. Improved coverage of activities of non-financial corporations and credit unions contributed 57

percent, informal sector activities and production for own consumption contributed 34 percent, extrabudgetary government units contributed 12 percent, and NPISHs contributed 2 percent. Partly offsetting these increases were improved coverage of the IC of FISIM for credit unions (-4 percent), and product subsidies (-2 percent).

12. The summary SUT estimates are included in Appendix I and more detailed information at the industry level on the contributors to the change in the GDP level is provided in Appendix II.

B. Compilation of the Revised GDP Estimates

13. All of the GDP-P compilation workbooks have now been redeveloped and revised current and constant 2018 price quarterly and annual estimates have been compiled up to Q3 2019. The redeveloped compilation workbooks include improved production estimates classified according to ISIC Revision 4. The rebalanced SUT estimates, relevant 2008 SNA changes, and improved indicators and compilation techniques have been incorporated. In terms of 2008 SNA changes, the imputed bank services charge method has been replaced by the FISIM method and FISIM is being allocated by industry and sector; and the consumption of fixed capital (CFC) is being compiled for Government and added to the gross value added (GVA) for public administration. In addition to incorporating the Q3 2019 indicator data and price indices, data revisions to tourist expenditure for 2000 onwards have been incorporated, and the value and volume indicators for telecommunications were updated for 2018.

14. The incorporation of revised data on tourist expenditure for 2000 onwards have also resulted in revisions to the GDP-P current price estimates and real growth rates. The revised travel services credits for 2000 to 2014 were received following the CARTAC balance of payments mission during January 27-31, 2020. The updated data for 2015 onwards on the expenditure of stayover tourists, cruise ship passengers, excursionists and yachties by type of expenditure was provided by the Eastern Caribbean Central Bank (ECCB). As a result, the production estimates for accommodation, food and beverage services, taxis and tour operators were revised. The GDP-P estimates should now be fully aligned with the travel credits estimates in Saint Lucia's balance of payments.

15. The revised annual and quarterly GDP-P estimates were assessed and a number of methodological improvements were implemented. As separate output, IC and GVA estimates are compiled it has been possible to make improvements in the current price estimates back to 2000 for most industries, although a few could only be recompiled back to 2006 due to data constraints. For industries where the 2006 base year estimates of IC to output ratios were based on the 2002 SUT and considered robust, a wedge was used to adjust the IC to output ratios for 2007 to 2015 to ensure the GVA was not over or underestimated, and reflected only the improved coverage of the relevant industries output. Examples include other food manufacturing, paints and fabricated metal manufacturing, and wholesale and retail trade industries. For a number of manufacturing industries, such as, dairy, bakery, other food and

beverages manufacturing; paper and printing; chemicals and paints; plastics; fabricated metals, furniture, other manufacturing; publishing; and insurance services, the 2006 estimates of output had good coverage. In these cases, the output was wedged so that the increased coverage identified in 2016 was reflected in the 2007 to 2015 estimates but not for 2006 and prior years. For other industries, like fishing and business services, where the 2006 IC to output ratios were not based on survey data, the ratios were adjusted upwards before a wedge was used to ensure the value added was realistic but still consistent with the improved coverage of the activities.

16. Improvements were made to the constant price estimates by reviewing and replacing weaker volume indicators. The revised NIC employment data classified to ISIC Revision 4 was used for the wearing apparel, rubber and plastics, fabricated metals and other manufacturing, replacing weaker volume indicators from the industrial production indices. The NIC employment data has now also been used for travel agents, professional services, other administrative and support services, and other personal and social services and several services industries, replacing less suitable indicators like population projections.

17. The IC and output price indices were also improved. The composite IC price index weights were updated for all industries using the SUT benchmark data, although these price indices are used mainly to reflate quarterly constant price estimates to derive value indicators that are benchmarked to annual current price IC estimates to compile the quarterly current price IC estimates. The component price indices for composite IC price indices for some industries, such as other crops, quarrying and sea transport, were changed based on the use of products breakdown from the SUT. The output price indices for education and other services was also changed. The adjusted consumer price index (CPI) for education was replaced with a weighted price index (using the SUT data), comprising the price indices for the three different levels of education. For arts, entertainment and recreation, and for other services, the adjusted non-food CPI has been replaced with the adjusted services CPI.

18. For years prior to 2016, the constant price estimates have been linked and back cast by reversing the real growth rates from the previous 2006 base year series. The 2006 series workbooks for accommodation, food and beverage services, taxis and tour operators have now been updated to include the revisions to the travel services estimates; and the growth rates from the revised constant price estimates for 2006 onwards have been reversed and used to back cast the constant 2018 price series from the 2016 link year. More detailed information on the changes in the GDP-P methodology at the industry level is provided in Appendix III, while the revised industry GVA and GDP-P estimates are included in Appendix IV.

19. Revised annual GDP-P current and constant 2006 price estimates for 2006 to 2018 have been compiled for the ECCB. The estimates of GDP and GVA by industry are classified according to ISIC Revision 3.1. This additional task was undertaken during the mission in order to ensure that the ECCB had a consistent set of estimates to add to the estimates of other member states in order to continue to calculate total GDP-P in current and constant 2006 prices for the Eastern Caribbean Currency Union. The first step was to update the current price annual estimates for 2006 to 2018. Next the previously released constant price growth rates were

applied to the revised 2006 base year estimates to derive the updated constant 2006 price estimates for 2006 to 2016. From Q1 2017 onwards, the real growth rates from the 2018 GDP series are applied to the 2006 GDP series at the elementary and aggregated industry levels. This means that the sum of the detailed industries' constant 2006 price estimates will not equal the equivalent period's aggregated industries or total GDP-P constant price estimates for Q1 2017 onwards, as they are not additive. This arrangement was agreed between the Director of the CSO and the Director of Statistics at the ECCB.

20. Training on the methodological changes and compiling the rebased estimates has been provided. The training on methodological improvements included the use of the more representative employment indicators and various price indices discussed above; back-casting and linking techniques for the current price estimates, and linking the constant 2006 price series with the constant 2018 price series.

21. The national accounts compilers need to update the annual and quarterly GDP-P estimates to Q4 2019 and produce the initial GDP-P estimates for 2019 by February 21, 2020. These revised GDP-P estimates will then be shared with the Finance Department, Eastern Caribbean Central Bank, and the IMF mission team, and are expected to be released by April 3, 2020.

Recommended actions:

- Complete checking the formulae in the compilation workbooks and switch to the XLPBM add-in in the shared drive.
- Incorporate updated indicator data and price indices for Q4 2019.
- Compile the GDP-P estimates for Q4 2019 and initial 2019 estimates.
- Share the updated estimates with the ECCB, MOF and IMF mission team.
- Release the revised current and rebased constant 2018 price annual and quarterly GDP-P estimates.

DETAILED TECHNICAL ASSESSMENT AND RECOMMENDATIONS

Priority	Action/Milestone	Target Completion Date
<i>Outcome: Data are compiled using the framework, concepts and definitions of the 2008 SNA</i>		
H	Complete checking the formulae in the compilation workbooks and switch to the XLPBM add-in in the shared drive.	02/14/2020
H	Incorporate updated indicator data and price indices for Q4 2019.	02/17/2020
H	Compile the GDP-P estimates for Q4 2019 and initial 2019 estimates.	02/21/2020
H	Share the updated estimates with the ECCB, MOF and IMF mission team.	02/21/2020
H	Release the revised current and rebased constant 2018 price annual and quarterly GDP-P estimates.	04/03/2020

A. Officials Met During the Mission

Name	Title/Institution
Honorable Guy Joseph	Minister of Economic Development, Housing, Urban Renewal, Transport and Civil Aviation
Mr. Claudius Emmanuel	Permanent Secretary, Ministry of Economic Development, Housing, Urban Renewal, Transport and Civil Aviation (MOED)
Mr. Tommy Descartes	Chief Economist, MOED
Ms. Cointha Thomas	Permanent Secretary, MOF
Ms. Gemma Lafeuillee	Director of Research and Policy, MOF
Ms. Nadia Wells-Hyacinth	Director of Financial Administration, MOF
Mr. Sean Mathurin	Director, Central Statistics Office (CSO)
Mr. Richard Harris	Deputy Director, CSO
Ms. Uranda Xavier	Statistician, CSO
Mr. Arnold Lafeuillee	Statistician, CSO
Ms. Stephanie Martial Constantin	Statistician, CSO
Ms. Abigail Leo	Assistant Statistician, CSO

Appendix I. Summary Supply and Use Tables

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Appendix II. Contributors to the Increase in the GDP Level

XCD Millions	Current			SUT			Revision			I/O ratio	Coverage	Revisions	Contributors to the Revisions
Industry	Output	IC	GVA	Output	IC	GVA	Output	IC	GVA	impact		ISIC 4	
Agriculture, Livestock and Forestry	114	33	81	138	51	87	24	18	6	(15)	22	-	
Crops	87	21	66	107	37	69	20	16	4	(15)	19	-	
Bananas	45	18	27	43	17	26	(2)	(1)	(1)	-	(1)	-	Removed trade margin
Other Crops	42	3	38	63	20	43	22	17	5	(15)	20	-	Coverage and higher I/O ratio
Livestock	25	12	13	28	13	14	3	2	1	(0)	2	-	Coverage, land crabs and higher I/O ratio
Forestry	2	0	2	4	0	4	2	0	2	-	2	-	Coverage and charcoal reestimated
Fishing	28	5	23	40	21	19	12	16	(4)	(13)	10	-	Coverage informal and higher I/O ratio from census
Mining & Quarrying	73	41	33	39	21	17	(35)	(19)	(16)	(0)	(16)	-	Reduced activity in VAT, reclassified concrete to manufacturing
Manufacturing (minus publishing)	282	172	110	407	244	163	125	73	52	3	49	-	Coverage informal and VAT, and lower I/O ratio
Electricity & Water	320	166	154	344	176	167	23	11	13	-	13	-	
Electricity	262	141	120	269	145	124	7	4	3	-	3	-	Coverage of ice production
Water	58	24	34	75	31	43	16	7	9	-	9	-	Coverage of waste management
Construction	596	374	222	596	374	222	-	-	-	-	-	-	No change
Wholesale & Retail Trade	470	280	189	993	444	550	524	164	360	149	211	-	Coverage VAT & informal and lower I/O ratio
Hotels & Restaurants	1,489	558	931	1,638	666	972	149	108	41	(53)	77	-	
Hotels	1,316	448	867	1,391	507	884	76	59	17	(33)	50	-	Coverage and higher I/O ratio
Restaurants	173	109	64	246	159	88	73	49	24	(3)	27	-	Coverage and higher I/O ratio
Transport, Storage and Communications	900	325	575	717	294	423	(183)	(31)	(152)	(35)	(78)	(41)	
Transport and Storage	646	239	407	453	203	250	(193)	(36)	(157)	(35)	(86)	(41)	Moved tour operators
Road Transport	406	130	276	247	92	155	(159)	(39)	(121)	(12)	(88)	(21)	Moved tour operators
Sea Transport	74	28	46	38	26	13	(35)	(2)	(33)	(11)	(1)	(21)	Moved tour operators
Air Transport	62	33	29	31	20	11	(31)	(13)	(18)	(3)	(14)	-	Correct treatment of foreign airline branch operations
Supporting and Auxiliary Transport Activities	104	48	56	136	66	71	32	17	15	(3)	17	-	Coverage of freight agents and higher I/O ratio
Postal and courier services	7	3	4	7	3	4	0	(0)	0	0	0	-	Lower I/O ratio
Communications	233	75	158	231	81	150	(2)	6	(8)	(6)	(2)	-	Coverage and higher I/O ratio from IRD and VAT
Publishing (was with Manufacturing)	14	8	6	9	3	7	(5)	(5)	1	3	(2)	-	Better measurement VAT
Audio-Visual Programming	-	-	-	17	5	12	17	5	12	-	12	-	Coverage VAT & Radio St. Lucia
Financial Services	402	135	267	492	165	327	90	29	60	(1)	61	-	
Financial Intermediation	326	104	221	416	137	278	90	33	57	(4)	61	-	Coverage credit unions and other fin. Services
Insurance	76	31	46	76	27	49	-	(4)	4	4	-	-	Updated I/O ratio from IRD
Real Estate, Renting and Business Activities	952	177	775	1,060	282	778	108	105	3	(85)	55	41	
Real Estate Activities	766	143	623	652	130	523	(114)	(14)	(100)	(7)	(92)	-	HBS revision of actual and imputed rents; higher I/O ratio
Renting of Machinery and Equipment	34	10	23	35	15	20	1	4	(3)	(4)	1	-	Updated I/O ratio and VAT coverage
Computer and Related Activities	5	1	4	5	1	4	(0)	0	(0)	(0)	(0)	-	VAT turnover and new I/O ratio
Business Services	147	22	125	368	136	231	221	114	106	(82)	147	41	Coverage, Tour operators, VAT turnover and higher I/O ratios
Public Administration, Defence & Compulsory Social Security	299	69	231	352	69	284	53	-	53	12	41	-	Better measurement, CFC and lower I/O ratio
Education	214	44	170	249	76	173	35	32	3	(24)	29	-	
Public	172	40	132	191	48	143	18	7	11	(3)	14	-	Coverage improvement/reclassification
Private	42	4	38	58	28	30	16	24	(8)	(23)	15	-	Updated I/O ratio and tertiary education coverage
Health and Social Work	255	115	139	254	140	114	(1)	25	(26)	(25)	(3)	-	
Public	138	77	62	150	83	67	12	6	5	0	5	-	Coverage improvement/reclassification, lower I/O ratio
Private	117	39	78	104	57	47	(12)	19	(31)	(23)	(8)	-	Higher I/O ratio/reclassification
Other Community, Social & Personal Services	148	26	123	319	131	188	171	106	65	(76)	141	-	Coverage and higher I/O ratio
Activities of Private Households as Employers	4	-	4	8	-	8	3	-	3	-	3	-	Improved coverage from HBS
Less: FISIM		84	(84)		110			26	84		26		Improved coverage credit unions FISIM
GVA in Basic Prices	6,549		3,945	7,646		4,491	1,097		546				
Plus: Product Taxes	671		671	674		674	4		4			4	Data revision
Less: Subsidies	(6)		(6)	(16)		(16)	(9)		(9)		9		Coverage
GDP in Market Prices	7,213	2,603	4,609	8,304	3,265	5,040	1,092	661	430	(164)	591	4	

Appendix III. GDP-P Compilation Methodology

Industry	CPV output	CPV IC	CPV GVA	KPV output	KPV IC	KPV GVA	Comments
Bananas	Exports and other uses	Annual updates	Derived	Deflate CPV output	2018 I/O ratio	Residual	No wedge required, removed trade margin
Other crops	Reflated output KPV	Reflated IC KPV	Residual	Volume extrapolation	2018 I/O ratio	Residual	Wedge CPV IC, I/O ratio up, informal/own-produced coverage improved
Livestock	Reflated output KPV	Reflated IC KPV	Residual	Volume extrapolation	2018 I/O ratio	Residual	Wedge CPV IC, I/O ratio up, land crabs, informal coverage improved
Forestry	Reflated output KPV	Reflated IC KPV	Residual	Volume extrapolation	2018 I/O ratio	Residual	Wedge CPV IC, informal/better charcoal coverage
Fishing	Reflated output KPV	Reflated IC KPV	Residual	Volume extrapolation	2018 I/O ratio	Residual	Wedge CPV GVA, 2012 Fishing Census I/O ratio and informal coverage
Quarrying	Reflated output KPV	Reflated IC KPV	Residual	Volume extrapolation	2018 I/O ratio	Residual	Wedge for CPV IC, VAT output down, I/O ratio up, reclassified concrete
Manufacturing	Financial statements	Financial statements	Derived	Deflate or extrapolate	2018 I/O ratio	Residual	Wedge some output and GVA, coverage informal and VAT, lower I/O ratio, reclassified publishing
Electricity	Financial statements	Financial statements	Derived	Volume extrapolation	2018 I/O ratio	Residual	No wedge, VAT coverage of ice production
Water	Financial statements	Financial statements	Derived	Volume extrapolation	2018 I/O ratio	Residual	No wedge, VAT coverage of waste management
Construction	Sum of IC and GVA	Commodity flow	Reflated KPV GVA	Sum of IC and GVA	Deflate CPV IC	Ratio	No changes
Wholesale and retail trade	Commodity flow	Volume and price update CPV IC	Residual	Deflate CPV output	2018 I/O ratio	Residual	Wedge CPV IC, VAT and informal update, adjusted coverage in 2006
Land transport	Tourist expenditure, reflated KPV output	Volume and price update CPV IC	Residual	Visitor numbers, cargo volumes, bus operators	2018 I/O ratio	Residual	Wedge IC, output revised (lower household expend.), moved tour operators, I/O ratio up
Sea transport	Volume and price update CPV output	Volume and price update CPV IC	Residual	Extrapolate benchmark using employment	2018 I/O ratio	Residual	Wedge IC, moved tour operators, I/O ratio up, replaced CPI fuel with CPI transport in IPI
Air transport	Volume and price update CPV output	Volume and price update CPV IC	Residual	Extrapolate benchmark using employment	2018 I/O ratio	Residual	Wedge IC, correct treatment of foreign airline branch operations
Supporting and auxiliary transport activities	Volume and price update CPV output	Volume and price update CPV IC	Residual	Extrapolation using cargo and tourist arrivals	2018 I/O ratio	Residual	Wedge for CPV IC, improved coverage of freight agents and higher I/O ratio
Postal and courier services	Government accounts, price and volume update	Government accounts, price and volume	Earnings for post, residual for other	Extrapolate benchmark using employment	2018 I/O ratio	Residual	Lower I/O ratio. Wedge IC for courier services
Accommodation services	Visitors expenditure, reflated Res. Exp. KPV	Reflated IC KPV	Residual	Visitor bednights, resident population	2018 I/O ratio	Residual	Wedge IC, improved coverage of residents, cruise and yacht tourists, and higher I/O ratio
Food and beverage services	Visitors expenditure, reflated Res. Exp. KPV	Reflated IC KPV	Residual	Visitor bednights, resident population	2018 I/O ratio	Residual	Wedge IC, improved coverage of residents, cruise and yacht tourists, and higher I/O ratio

Industry	CPV output	CPV IC	CPV GVA	KPV output	KPV IC	KPV GVA	Comments
Publishing	Volume and price update CPV output	Volume and price update CPV IC	Residual	Extrapolate benchmark using employment	2018 I/O ratio	Residual	Wedged output and IC, VAT data provided more accurate estimate, lower I/O ratio
Audio-visual broadcasting and programming	Volume and price update CPV output	Volume and price update CPV IC	Residual	Extrapolate benchmark using employment	2018 I/O ratio	Residual	VAT data and MOF data helped improved coverage, lower I/O ratio
Telecommunications	Volume and price update CPV output	Volume and price update CPV IC	Residual	Volume extrapolation with ECTEL indicators	2018 I/O ratio	Residual	Wedged output and IC, VAT data provided more accurate output estimate and higher I/O ratio
Computer and information services	Volume and price update CPV output	Volume and price update CPV IC	Residual	Volume extrapolation using employment	2018 I/O ratio	Residual	Wedged IC, VAT data provided more accurate output estimate and higher I/O ratio
Financial Intermediation	ECCB data and financial statements	ECCB data and financial statements	Residual	Price deflation and volume extrapolation	Deflate CPV IC	Residual	No wedge, improved coverage credit unions and other financial services, higher I/O ratio
FISIM	ECCB data and financial statements	ECCB data and financial statements		Volume extrapolation deposits and loans	Volume extrapolation		FISIM IC allocated by industry deducted from GVA by industry, except for government
Insurance services	Premium tax data, and volume and price update	Volume and price update CPV IC	Residual	Price deflation	Deflate CPV IC	Residual	Wedged output and GVA, improved coverage using VAT data and higher I/O ratio from IRD
Real estate activities	Volume and price update CPV output	Volume and price update CPV IC	Residual	Volume extrapolation using employment	2018 I/O ratio	Residual	Wedged output and IC, improved output from household and VAT data and higher I/O ratio
Professional, technical and scientific services	Volume and price update CPV output	Volume and price update CPV IC	Residual	Volume extrapolation using employment	2018 I/O ratio	Residual	Improved output from VAT data
Renting of Machinery and Equipment	Volume and price update CPV output	Volume and price update CPV IC	Residual	Volume extrapolation using employment	2018 I/O ratio	Residual	Wedged CPV IC, improved output from VAT data and higher I/O ratio
Travel agents and tour operators	Tourist expenditure, and volume and price update	Volume and price update CPV IC	Residual	Extrapolation using tourist arrivals and employment	2018 I/O ratio	Residual	Wedged IC for both, improved coverage of tourist expenditure and higher I/O ratio for tour operators
Other administration and support services	Volume and price update CPV output	Volume and price update CPV IC	Residual	Volume extrapolation using employment	2018 I/O ratio	Residual	Improved output from VAT and household expenditure data
Public administration and compulsory social security	Government accounts and NIC financial reports	Government accounts and NIC financial	Residual	Volume extrapolation using employment	2018 I/O ratio	Residual	Improved coverage of extrabudgetary units, and added estimates of CFC
Public education	Government accounts	Government accounts	Residual	Volume extrapolation using employment	2018 I/O ratio	Residual	Coverage improvement/reclassification
Private education	Volume and price update CPV output	Volume and price update CPV IC	Residual	Volume extrapolation using employment	2018 I/O ratio	Residual	Updated I/O ratio and tertiary education coverage improved using household expenditure data
Public health and social work	Government accounts	Government accounts	Residual	Volume extrapolation using employment	2018 I/O ratio	Residual	Coverage improvement/reclassification
Private health and social work	Volume and price update CPV output	Volume and price update CPV IC	Residual	Volume extrapolation using employment	2018 I/O ratio	Residual	Higher I/O ratios and reclassification
Arts, entertainment and recreation	Volume and price update CPV output	Volume and price update CPV IC	Residual	Volume extrapolation using employment	2018 I/O ratio	Residual	Coverage improvement due to VAT, household expenditure and NPISHs data
Other social services	Volume and price update CPV output	Volume and price update CPV IC	Residual	Volume extrapolation using employment	2018 I/O ratio	Residual	Coverage improvement due to VAT, household expenditure and NPISHs data
Domestic services	Volume and price update CPV output	Volume and price update CPV IC	Residual	Volume extrapolation using employment	2018 I/O ratio	Residual	Coverage improvement due to household expenditure data
Taxes less subsidies on products	Government accounts			Volume extrapolation			Improved coverage of subsidies, added stamp duties and improved KPV methodology.

Appendix IV. Revised Annual GDP-P Estimates

TABLE 1 - GROSS DOMESTIC PRODUCT BY ECONOMIC ACTIVITY
at Current Prices (EC\$ Millions)

Reference Period	Agriculture, Forestry and Fishing	Crops	Bananas	Other Crops	Livestock	Forestry	Fishing	Mining & Quarrying	Manufacturing	Electricity	Water	Construction	Wholesale & Retail Trade	Accommodation and Food Services	Accommodation	Food and Beverage Services	Transport and Storage	Road Transport	Sea Transport	Air Transport	Supporting and Auxiliary Transport Activities	Postal Services	Courier Services
2006	102.1	71.5	44.6	27.0	7.6	4.6	18.3	6.6	140.8	81.0	13.7	291.1	282.9	415.7	338.4	77.3	189.1	99.8	17.3	2.6	65.9	2.7	0.7
2007	105.1	72.5	40.1	32.4	8.1	5.0	19.6	6.9	160.0	85.7	14.2	214.4	316.0	452.7	365.2	87.5	208.7	107.6	18.2	3.0	76.3	2.8	0.7
2008	139.4	103.4	61.8	41.6	9.0	5.2	21.8	6.1	146.1	88.3	15.6	245.9	349.2	442.5	365.2	77.3	204.9	110.8	18.3	3.9	68.4	2.8	0.9
2009	138.1	102.5	61.5	41.0	9.5	5.4	20.7	5.6	134.5	97.6	21.4	240.1	305.1	465.6	380.1	85.5	199.0	110.1	15.0	3.4	66.6	2.9	0.9
2010	108.4	75.7	44.8	30.9	9.8	2.9	19.9	5.3	135.0	103.4	11.4	224.5	325.4	651.4	565.8	85.6	217.7	126.7	14.8	3.9	68.3	3.0	1.0
2011	99.7	67.7	29.9	37.8	9.8	3.2	19.1	4.9	148.1	101.1	7.8	231.4	430.9	656.8	574.1	82.8	230.7	132.1	13.8	7.5	73.1	3.0	1.1
2012	102.7	70.0	30.2	39.8	10.9	3.3	18.5	4.8	147.2	106.3	9.1	222.6	447.9	724.4	646.5	78.0	222.5	133.3	13.2	8.2	63.7	3.0	1.1
2013	118.1	85.3	30.2	55.2	10.6	3.4	18.8	9.2	136.2	108.0	28.7	191.2	448.1	793.3	713.4	79.8	229.0	140.0	14.0	9.1	61.8	3.1	1.0
2014	105.1	72.6	23.2	49.3	11.9	3.5	17.2	21.9	137.5	108.5	33.3	187.8	481.3	934.4	859.4	75.0	242.3	143.9	13.0	10.0	71.2	3.0	1.2
2015	105.5	72.2	24.1	48.1	12.8	3.6	17.0	19.9	145.8	111.8	37.1	219.5	440.3	1,003.9	921.9	81.9	238.3	142.0	12.0	10.7	69.7	3.0	1.0
2016	104.8	68.4	25.7	42.7	14.0	3.7	18.7	16.7	158.5	120.9	42.6	215.9	538.9	954.2	869.2	85.0	250.0	152.5	12.3	11.1	70.0	3.2	1.0
2017	95.1	61.0	23.0	38.0	12.9	3.8	17.4	14.4	167.3	127.3	44.0	239.5	538.9	1,139.1	1,047.8	91.3	270.7	176.3	13.1	11.9	65.0	3.2	1.3
2018	100.0	64.5	21.6	43.0	12.8	3.8	18.9	8.8	179.3	123.8	42.7	211.4	572.3	1,155.3	1,079.2	76.1	256.6	161.2	13.8	12.6	64.7	3.2	1.1

TABLE 1 - GROSS DOMESTIC PRODUCT BY ECONOMIC ACTIVITY
at Current Prices (EC\$ Millions)

Reference Period	Communication and Information Services	Publishing	Audio-Visual	Telecommunications	Computing and Information	Financial Services	Financial Intermediation	Insurance	Real Estate Activities	Professional, Technical & Scientific Services	Renting of Machinery and Equipment	Travel Agents & Tour Operators	Other Administrative & Support Services	Public Administration, Defence & Compulsory Social Security	Education	Public	Private	Health and Social Work	Public	Private	Arts, Entertainment & Recreation	Other Services Activities	Domestic Services	GVA in Basic Prices	Plus: Product Taxes	Less: Subsidies	GDP in Market Prices
2006	167.1	5.8	8.1	150.5	2.7	283.8	239.6	44.2	406.8	39.2	17.4	63.8	43.9	175.1	120.1	100.4	19.7	76.3	45.4	30.9	72.8	33.6	3.3	3,026.1	429.8	1.1	3,454.8
2007	187.1	5.9	8.2	169.8	3.3	303.2	256.9	46.3	414.4	57.2	25.0	83.2	52.5	164.4	124.0	105.5	18.6	75.9	43.1	32.9	86.1	38.1	3.5	3,178.5	458.0	2.1	3,634.4
2008	194.4	5.9	9.7	175.3	3.5	304.0	257.9	46.1	427.8	74.3	31.8	67.7	63.1	204.7	129.5	110.4	19.2	81.5	43.2	38.2	90.4	42.5	4.0	3,353.8	470.8	6.5	3,818.1
2009	200.4	6.0	10.5	180.6	3.4	277.0	230.0	47.1	424.8	67.0	28.1	62.4	71.8	214.9	142.4	121.5	20.9	87.1	45.3	41.8	90.6	45.4	4.8	3,323.9	474.5	9.8	3,788.6
2010	194.4	6.1	12.9	171.7	3.6	245.0	199.0	46.0	470.5	64.8	26.7	68.4	72.4	233.6	155.2	129.1	26.1	98.7	55.0	43.7	93.9	45.4	5.0	3,556.4	474.5	13.4	4,017.5
2011	213.1	6.2	13.3	189.7	3.9	245.2	197.8	47.3	467.4	69.2	28.0	72.1	78.0	233.5	161.9	133.4	28.5	107.0	60.0	46.9	162.9	46.7	4.5	3,801.0	491.9	29.0	4,263.9
2012	199.9	6.3	12.1	177.6	3.9	249.1	201.8	47.3	469.6	64.7	25.7	71.6	80.4	244.4	164.5	136.7	27.7	109.2	61.2	48.0	161.7	45.3	4.9	3,878.8	489.9	27.8	4,341.0
2013	182.3	6.4	12.8	159.2	3.9	264.1	214.0	50.1	454.9	54.6	21.3	68.1	86.9	278.1	161.1	134.3	26.8	113.9	67.6	46.4	166.6	38.5	7.0	3,959.2	554.8	19.6	4,494.3
2014	174.5	6.5	12.4	151.6	3.9	255.7	208.1	47.6	485.4	53.5	20.5	79.1	88.1	260.5	169.4	142.0	27.4	114.0	66.5	47.5	155.6	37.1	6.9	4,152.4	609.7	14.7	4,747.4
2015	155.2	6.6	12.5	132.3	3.8	277.1	228.6	48.5	514.3	59.5	22.4	77.0	94.9	262.4	161.7	133.6	28.2	113.1	67.3	45.8	142.7	37.9	7.6	4,247.9	649.4	15.2	4,882.1
2016	170.2	6.6	11.9	147.8	3.9	324.1	275.7	48.4	496.7	54.2	20.0	68.8	104.4	262.7	172.4	143.0	29.4	112.7	66.8	45.9	145.1	39.5	7.8	4,381.2	674.2	15.5	5,039.8
2017	197.3	5.3	11.2	176.7	4.1	358.2	307.4	50.8	528.5	53.5	8.3	72.4	109.5	257.0	176.4	145.5	30.9	115.7	68.4	47.3	163.5	39.8	7.9	4,724.2	689.0	15.6	5,397.6
2018	200.7	5.5	10.7	180.0	4.6	376.1	325.5	50.7	574.1	53.0	3.0	69.0	127.2	279.7	176.8	147.3	29.5	119.6	69.4	50.2	181.3	41.2	8.2	4,860.1	673.5	19.1	5,514.5

TABLE 2 - GROSS DOMESTIC PRODUCT BY ECONOMIC ACTIVITY
at Constant 2018 Prices (EC\$ Millions)

Reference Period	Agriculture, Forestry and Fishing	Crops	Bananas	Other Crops	Livestock	Forestry	Fishing	Mining & Quarrying	Manufacturing	Electricity	Water	Construction	Wholesale & Retail Trade	Accommodation and Food Services	Accommodation	Food and Beverage Services	Transport and Storage	Road Transport	Sea Transport	Air Transport	Supporting and Auxiliary Transport Activities	Postal Services	Courier Services
2006	95.8	68.9	37.8	27.8	10.5	4.6	12.6	1.6	122.3	99.0	39.0	215.9	546.5	885.0	794.1	80.5	259.8	136.4	10.1	12.5	96.4	3.1	1.3
2007	98.4	69.4	34.7	31.9	10.3	5.4	13.6	2.5	124.5	102.8	40.2	165.8	569.8	841.9	718.0	90.6	275.1	153.2	10.3	11.4	95.8	3.1	1.3
2008	120.4	88.1	41.6	42.5	10.9	5.5	16.0	1.9	129.8	105.1	41.8	255.6	586.3	849.0	759.3	74.3	280.0	155.9	10.6	11.7	97.4	3.1	1.2
2009	116.8	83.2	38.5	40.6	11.0	5.6	16.6	1.6	132.2	107.8	42.1	236.7	541.4	839.7	740.4	77.0	261.4	155.3	10.0	11.0	81.0	3.1	1.0
2010	88.4	56.0	23.8	30.2	11.4	3.0	16.9	1.7	136.0	115.6	38.2	232.7	524.0	945.3	851.0	79.4	258.1	143.5	9.7	12.3	88.5	3.1	1.1
2011	86.0	52.8	15.8	36.3	11.1	3.5	17.1	1.7	138.1	114.3	38.1	240.7	610.5	885.5	791.4	77.1	243.3	137.2	9.4	10.4	82.0	3.1	1.2
2012	101.7	69.0	28.6	38.5	11.6	3.5	16.8	2.9	146.9	113.0	40.3	232.3	574.2	943.4	867.4	71.8	251.4	138.4	9.1	10.5	89.1	3.1	1.2
2013	105.6	75.0	22.3	52.5	10.6	3.6	16.0	5.5	159.9	114.7	39.2	198.0	528.0	919.3	838.0	72.7	236.3	135.6	9.6	10.6	76.3	3.2	1.1
2014	96.5	64.2	19.3	44.8	11.8	3.6	16.4	11.6	159.8	114.2	38.1	196.2	524.4	1,020.5	948.6	74.0	270.1	148.7	10.4	10.9	95.9	3.2	1.1
2015	98.8	67.0	20.8	45.8	12.3	3.6	15.9	10.8	160.9	116.8	39.3	227.9	475.6	1,011.1	933.8	77.7	273.5	151.5	11.0	11.1	95.7	3.2	1.0
2016	101.2	66.3	20.5	45.8	14.0	3.7	17.2	9.8	166.1	120.5	39.6	226.1	552.5	980.2	903.9	76.3	250.7	150.9	12.6	11.3	71.6	3.3	1.0
2017	98.3	62.2	21.2	41.1	13.0	3.8	19.3	9.5	168.2	123.8	40.9	243.7	559.3	1,089.7	1,009.6	80.1	250.1	155.0	13.1	11.9	65.5	3.3	1.3
2018	100.0	64.5	21.6	43.0	12.8	3.8	18.9	8.8	179.3	123.8	42.7	211.4	572.3	1,155.3	1,079.2	76.1	256.6	161.2	13.8	12.6	64.7	3.2	1.1

TABLE 2 - GROSS DOMESTIC PRODUCT BY ECONOMIC ACTIVITY
at Constant 2018 Prices (EC\$ Millions)

Reference Period	Communication and Information Services	Publishing	Audio-Visual	Telecommunication s	Computing and information	Financial Services	Financial Intermediation	Insurance	Real Estate Activities	Professional, Technical & Scientific Services	Renting of Machinery and Equipment	Travel Agents & Tour Operators	Other Administrative & Support Services	Public Administration, Defence & Compulsory Social	Education	Public	Private	Health and Social Work	Public	Private	Arts, Entertainment & Recreation	Other Services Activities	Domestic Services	GVA in Basic Prices	Plus: Product Taxes	Less: Subsidies	GDP in Market Prices
2006	115.6	6.3	9.5	99.9	3.2	350.8	288.5	43.1	521.9	51.3	2.2	40.4	63.5	237.6	150.6	125.0	25.8	80.6	58.8	25.8	86.2	39.7	7.7	3,979.2	630.3	19.8	4,586.3
2007	127.6	6.3	9.6	109.8	3.8	392.6	319.8	44.6	529.3	47.0	3.2	50.2	74.3	237.5	152.3	127.4	24.8	85.9	60.0	29.0	101.2	44.7	7.8	4,051.8	646.8	20.2	4,674.5
2008	134.3	6.2	10.8	116.1	3.8	406.0	334.9	42.9	538.3	50.7	3.5	52.8	84.3	242.0	156.6	130.0	26.5	90.3	61.2	31.6	100.6	47.3	8.1	4,257.9	670.5	21.0	4,904.0
2009	140.2	6.1	11.4	121.1	3.7	402.4	324.6	52.7	544.5	52.5	3.2	54.9	88.2	247.6	161.8	133.1	28.5	94.7	62.7	34.0	99.2	49.7	8.1	4,250.1	590.7	17.9	4,824.1
2010	157.9	6.2	13.9	136.7	3.9	359.5	302.7	42.8	552.4	55.0	3.0	55.1	89.2	257.5	165.4	136.8	28.5	99.9	64.4	36.9	100.8	48.8	8.6	4,260.5	604.1	18.1	4,846.6
2011	164.8	6.2	14.4	142.9	4.2	361.9	308.1	40.4	553.6	54.6	3.0	54.3	95.2	263.1	169.5	139.9	29.5	104.9	65.8	39.9	176.5	50.7	8.6	4,351.9	741.0	23.4	5,062.4
2012	176.6	6.2	13.0	153.3	4.1	353.4	306.1	39.4	553.8	54.9	2.8	50.9	95.7	267.4	172.5	142.1	30.3	107.0	66.9	40.9	172.9	48.5	8.6	4,396.3	681.6	20.9	5,053.6
2013	177.8	6.3	13.1	154.3	4.0	351.8	309.2	41.1	559.2	53.7	2.4	49.6	95.8	273.1	175.2	145.3	29.7	106.3	68.4	39.3	170.1	39.4	8.4	4,347.4	621.3	18.7	4,949.9
2014	170.1	6.3	12.9	147.8	4.0	308.7	279.8	36.8	571.1	53.5	2.2	52.5	99.3	273.8	174.7	145.3	29.3	109.7	68.4	42.1	161.8	38.6	7.7	4,409.7	624.2	18.7	5,015.4
2015	185.1	6.2	12.9	161.5	3.9	319.5	280.0	46.6	570.5	54.9	2.6	57.2	107.6	271.8	172.5	144.1	28.4	111.1	67.8	43.8	147.3	39.2	8.0	4,475.4	551.7	15.8	5,016.4
2016	174.7	6.2	12.2	152.3	4.0	379.4	330.4	49.0	568.6	56.1	2.5	55.7	119.3	274.4	173.7	144.0	29.7	113.0	67.8	45.2	149.1	40.2	7.8	4,561.1	651.2	19.6	5,192.7
2017	172.1	5.3	11.3	151.3	4.2	380.5	330.6	49.9	569.9	53.8	2.3	63.3	121.0	275.2	176.5	145.2	31.2	116.4	68.4	48.0	165.2	39.8	7.9	4,727.1	664.7	19.2	5,372.6
2018	200.7	5.5	10.7	180.0	4.6	376.1	325.5	50.7	574.1	53.0	3.0	69.0	127.2	279.7	176.8	147.3	29.5	119.6	69.4	50.2	181.3	41.2	8.2	4,860.1	673.5	19.1	5,514.5

TABLE 5 - GROSS DOMESTIC PRODUCT BY ECONOMIC ACTIVITY
Current Price Growth Rates

Reference Period	Agriculture, Forestry and Fishing	Crops	Bananas	Other Crops	Livestock	Forestry	Fishing	Mining & Quarrying	Manufacturing	Electricity	Water	Construction	Wholesale & Retail Trade	Accommodation and Food Services	Accommodation	Food and Beverage Services	Transport and Storage	Road Transport	Sea Transport	Air Transport	Supporting and Auxiliary Transport Activities	Postal Services	Courier Services
2006																							
2007	3%	1%	-10%	20%	6%	9%	7%	5%	14%	6%	3%	-26%	12%	9%	8%	13%	10%	8%	5%	15%	16%	1%	-1%
2008	33%	43%	54%	29%	11%	5%	11%	-11%	-9%	3%	10%	15%	11%	-2%	0%	-12%	-2%	3%	0%	27%	-10%	0%	20%
2009	-1%	-1%	0%	-2%	5%	4%	-5%	-8%	-8%	11%	37%	-2%	-13%	5%	4%	11%	-3%	-1%	-18%	-11%	-2%	3%	3%
2010	-22%	-26%	-27%	-25%	3%	-46%	-4%	-6%	0%	6%	-47%	-7%	7%	40%	49%	0%	9%	15%	-1%	12%	3%	4%	11%
2011	-8%	-11%	-33%	22%	0%	11%	-4%	-6%	10%	-2%	-31%	3%	32%	1%	1%	-3%	6%	4%	-7%	94%	7%	1%	9%
2012	3%	3%	1%	5%	12%	2%	-3%	-3%	-1%	5%	17%	-4%	4%	10%	13%	-6%	-4%	1%	-4%	9%	-13%	-1%	6%
2013	15%	22%	0%	39%	-3%	3%	2%	93%	-8%	2%	215%	-14%	0%	10%	10%	2%	3%	5%	6%	11%	-3%	4%	-8%
2014	-11%	-15%	-23%	-11%	12%	2%	-9%	138%	1%	1%	16%	-2%	7%	18%	20%	-6%	6%	3%	-7%	9%	15%	-2%	17%
2015	0%	0%	4%	-2%	7%	3%	-2%	-9%	6%	3%	12%	17%	-9%	7%	7%	9%	-2%	-1%	-8%	7%	-2%	-1%	-18%
2016	-1%	-5%	7%	-11%	10%	3%	10%	-16%	9%	8%	15%	-2%	22%	-5%	-6%	4%	5%	7%	2%	4%	0%	6%	0%
2017	-9%	-11%	-11%	-11%	-8%	3%	-7%	-14%	6%	5%	3%	11%	0%	19%	21%	7%	8%	16%	7%	7%	-7%	0%	28%
2018	5%	6%	-6%	13%	-1%	1%	9%	-39%	7%	-3%	-3%	-12%	6%	1%	3%	-17%	-5%	-9%	6%	6%	0%	1%	-13%

TABLE 5 - GROSS DOMESTIC PRODUCT BY ECONOMIC ACTIVITY
Current Price Growth Rates

Reference Period	Communication and Information Services	Publishing	Audio-Visual	Telecommunication	Computing and information	Financial Services	Financial Intermediation	Insurance	Real Estate Activities	Professional, Technical & Scientific Services	Renting of Machinery and Equipment	Travel Agents & Tour Operators	Other Administrative & Support Services	Public Administration, Defence & Compulsory Social	Education	Public	Private	Health and Social Work	Public	Private	Arts, Entertainment & Recreation	Other Services Activities	Domestic Services	GVA in Basic Prices	Plus: Product Taxes	Less: Subsidies	GDP in Market Prices
2006																											
2007	12%	1%	1%	13%	21%	7%	7%	5%	2%	46%	44%	31%	19%	-6%	3%	5%	-6%	-1%	-5%	6%	18%	13%	7%	5.0%	7%	98%	5.2%
2008	4%	1%	19%	3%	6%	0%	0%	-1%	3%	30%	27%	-19%	20%	24%	4%	5%	3%	7%	0%	16%	5%	12%	15%	5.5%	3%	202%	5.1%
2009	3%	1%	8%	3%	-2%	-9%	-11%	2%	-1%	-10%	-11%	-8%	14%	5%	10%	10%	9%	7%	5%	9%	0%	7%	19%	-0.9%	1%	51%	-0.8%
2010	-3%	2%	24%	-5%	6%	-12%	-13%	-2%	11%	-3%	-5%	10%	1%	9%	9%	6%	25%	13%	21%	5%	4%	0%	4%	7.0%	0%	37%	6.0%
2011	10%	2%	3%	10%	7%	0%	-1%	3%	-1%	7%	5%	6%	8%	0%	4%	3%	9%	8%	9%	7%	74%	3%	-9%	6.9%	4%	116%	6.1%
2012	-6%	1%	-9%	-6%	-1%	2%	2%	0%	0%	-7%	-8%	-1%	3%	5%	2%	2%	-3%	2%	2%	2%	-1%	-3%	7%	2.0%	0%	-4%	1.8%
2013	-9%	3%	5%	-10%	2%	6%	6%	6%	-3%	-16%	-17%	-5%	8%	14%	-2%	-2%	-3%	4%	10%	-3%	3%	-15%	43%	2.1%	13%	-29%	3.5%
2014	-4%	1%	-3%	-5%	0%	-3%	-3%	-5%	7%	-2%	-4%	16%	1%	-6%	5%	6%	2%	0%	-2%	2%	-7%	-4%	-2%	4.9%	10%	-25%	5.6%
2015	-11%	1%	1%	-13%	-3%	8%	10%	2%	6%	11%	9%	-3%	8%	1%	-5%	-6%	3%	-1%	1%	-4%	-8%	2%	10%	2.3%	7%	3%	2.8%
2016	10%	1%	-5%	12%	2%	17%	21%	0%	-3%	-9%	-11%	-11%	10%	0%	7%	7%	4%	0%	-1%	0%	2%	4%	4%	3.1%	4%	2%	3.2%
2017	16%	-19%	-6%	20%	6%	10%	11%	5%	6%	-1%	-59%	5%	5%	-2%	2%	2%	5%	3%	2%	3%	13%	1%	0%	7.8%	2%	0%	7.1%
2018	2%	3%	-4%	2%	10%	5%	6%	0%	9%	-1%	-64%	-5%	16%	9%	0%	1%	-5%	3%	1%	6%	11%	4%	5%	2.9%	-2%	23%	2.2%

TABLE 6 - GROSS DOMESTIC PRODUCT BY ECONOMIC ACTIVITY
Constant Price Growth Rates

Reference Period	Agriculture, Forestry and Fishing	Crops	Bananas	Other Crops	Livestock	Forestry	Fishing	Mining & Quarrying	Manufacturing	Electricity	Water	Construction	Wholesale & Retail Trade	Accommodation and Food Services	Accommodation	Food and Beverage Services	Transport and Storage	Road Transport	Sea Transport	Air Transport	Supporting and Auxiliary Transport Activities	Postal Services	Courier Services
2006																							
2007	3%	1%	-8%	15%	-2%	17%	8%	59%	2%	4%	3%	-23%	4%	-5%	-10%	13%	6%	12%	2%	-8%	-1%	0%	-4%
2008	22%	27%	20%	33%	5%	3%	17%	-24%	4%	2%	4%	54%	3%	1%	6%	-18%	2%	2%	3%	2%	2%	0%	-4%
2009	-3%	-6%	-8%	-4%	1%	2%	4%	-18%	2%	3%	1%	-7%	-8%	-1%	-2%	4%	-7%	0%	-6%	-6%	-17%	1%	-17%
2010	-24%	-33%	-38%	-26%	4%	-47%	2%	11%	3%	7%	-9%	-2%	-3%	13%	15%	3%	-1%	-8%	-3%	11%	9%	-1%	12%
2011	-3%	-6%	-34%	20%	-3%	19%	2%	-4%	2%	-1%	0%	3%	17%	-6%	-7%	-3%	-6%	-4%	-3%	-15%	-7%	1%	2%
2012	18%	31%	81%	6%	4%	0%	-2%	77%	6%	-1%	6%	-4%	-6%	7%	10%	-7%	3%	1%	-3%	1%	9%	0%	1%
2013	4%	9%	-22%	36%	-8%	1%	-5%	89%	9%	1%	-3%	-15%	-8%	-3%	-3%	1%	-6%	-2%	5%	1%	-14%	1%	-7%
2014	-9%	-14%	-13%	-15%	11%	1%	3%	109%	0%	0%	-3%	-1%	-1%	11%	13%	2%	14%	10%	8%	2%	26%	0%	3%
2015	2%	4%	7%	2%	4%	1%	-3%	-7%	1%	2%	3%	16%	-9%	-1%	-2%	5%	1%	2%	6%	2%	0%	1%	-7%
2016	2%	-1%	-1%	0%	14%	1%	8%	-9%	3%	3%	1%	-1%	16%	-3%	-3%	-2%	-8%	0%	15%	2%	-25%	2%	0%
2017	-3%	-6%	3%	-10%	-7%	3%	12%	-4%	1%	3%	3%	8%	1%	11%	12%	5%	0%	3%	4%	5%	-8%	0%	23%
2018	2%	4%	2%	5%	-2%	1%	-2%	-7%	7%	0%	4%	-13%	2%	6%	7%	-5%	3%	4%	5%	5%	-1%	-2%	-14%

TABLE 6 - GROSS DOMESTIC PRODUCT BY ECONOMIC ACTIVITY
Constant Price Growth Rates

Reference Period	Communication and Information Services	Publishing	Audio-Visual	Telecommunications	Computing and information	Financial Services	Financial Intermediation	Insurance	Real Estate Activities	Professional, Technical & Scientific Services	Renting of Machinery and Equipment	Travel Agents & Tour Operators	Other Administrative & Support Services	Public Administration, Defence & Compulsory Social	Education	Public	Private	Health and Social Work	Public	Private	Arts, Entertainment & Recreation	Other Services Activities	Domestic Services	GVA in Basic Prices	Plus: Product Taxes	Less: Subsidies	GDP in Market Prices
2006																											
2007	10%	0%	1%	10%	21%	12%	11%	3%	1%	-8%	43%	24%	17%	0%	1%	2%	-4%	7%	2%	13%	17%	13%	2%	1.8%	3%	2%	1.9%
2008	5%	-1%	13%	6%	0%	3%	5%	-4%	2%	8%	11%	5%	14%	2%	3%	2%	7%	5%	2%	9%	-1%	6%	4%	5.1%	4%	4%	4.9%
2009	4%	-1%	5%	4%	-3%	-1%	-3%	23%	1%	4%	-10%	4%	5%	2%	3%	2%	7%	5%	2%	8%	-1%	5%	0%	-0.2%	-12%	-15%	-1.6%
2010	13%	1%	22%	13%	4%	-11%	-7%	-19%	1%	5%	-6%	0%	1%	4%	2%	3%	0%	5%	3%	9%	2%	-2%	7%	0.2%	2%	1%	0.5%
2011	4%	0%	4%	5%	8%	1%	2%	-6%	0%	-1%	1%	-1%	7%	2%	2%	2%	4%	5%	2%	8%	75%	4%	0%	2.1%	23%	29%	4.5%
2012	7%	0%	-10%	7%	-2%	-2%	-1%	-3%	0%	1%	-9%	-6%	0%	2%	2%	2%	2%	2%	2%	3%	-2%	-4%	-1%	1.0%	-8%	-10%	-0.2%
2013	1%	2%	1%	1%	-2%	0%	1%	4%	1%	-2%	-13%	-2%	0%	2%	2%	2%	-2%	-1%	2%	-4%	-2%	-19%	-2%	-1.1%	-9%	-11%	-2.1%
2014	-4%	0%	-2%	-4%	1%	-12%	-9%	-10%	2%	0%	-6%	6%	4%	0%	0%	0%	-1%	3%	0%	7%	-5%	-2%	-8%	1.4%	0%	0%	1.3%
2015	9%	-1%	1%	9%	-3%	4%	0%	27%	0%	2%	15%	9%	8%	-1%	-1%	-1%	-3%	1%	-1%	4%	-9%	1%	4%	1.5%	-12%	-16%	0.0%
2016	-6%	0%	-5%	-6%	3%	19%	18%	5%	0%	2%	-4%	-3%	11%	1%	1%	0%	4%	2%	0%	3%	1%	3%	-2%	1.9%	18%	24%	3.5%
2017	-1%	-14%	-8%	-1%	4%	0%	0%	2%	0%	-4%	-8%	14%	1%	0%	2%	1%	5%	3%	1%	6%	11%	-1%	0%	3.6%	2%	-2%	3.5%
2018	17%	2%	-5%	19%	9%	-1%	-2%	2%	1%	-2%	31%	9%	5%	2%	0%	1%	-6%	3%	1%	5%	10%	4%	5%	2.8%	1%	0%	2.6%

TABLE 7 - GROSS DOMESTIC PRODUCT BY ECONOMIC ACTIVITY
Current Price Contribution to GDP

Reference Period	Agriculture, Forestry and Fishing	Crops	Bananas	Other Crops	Livestock	Forestry	Fishing	Mining & Quarrying	Manufacturing	Electricity	Water	Construction	Wholesale & Retail Trade	Accommodation and Food Services	Accommodation	Food and Beverage Services	Transport and Storage	Road Transport	Sea Transport	Air Transport	Supporting and Auxiliary Transport Activities	Postal Services	Courier Services
2006	3.0%	2.1%	1.3%	0.8%	0.2%	0.1%	0.5%	0.2%	4.1%	2.3%	0.4%	8.4%	8.2%	12.0%	9.8%	2.2%	5.5%	2.9%	0.5%	0.1%	1.9%	0.1%	0.0%
2007	2.9%	2.0%	1.1%	0.9%	0.2%	0.1%	0.5%	0.2%	4.4%	2.4%	0.4%	5.9%	8.7%	12.5%	10.0%	2.4%	5.7%	3.0%	0.5%	0.1%	2.1%	0.1%	0.0%
2008	3.6%	2.7%	1.6%	1.1%	0.2%	0.1%	0.6%	0.2%	3.8%	2.3%	0.4%	6.4%	9.1%	11.6%	9.6%	2.0%	5.4%	2.9%	0.5%	0.1%	1.8%	0.1%	0.0%
2009	3.6%	2.7%	1.6%	1.1%	0.3%	0.1%	0.5%	0.1%	3.6%	2.6%	0.6%	6.3%	8.1%	12.3%	10.0%	2.3%	5.3%	2.9%	0.4%	0.1%	1.8%	0.1%	0.0%
2010	2.7%	1.9%	1.1%	0.8%	0.2%	0.1%	0.5%	0.1%	3.4%	2.6%	0.3%	5.6%	8.1%	16.2%	14.1%	2.1%	5.4%	3.2%	0.4%	0.1%	1.7%	0.1%	0.0%
2011	2.3%	1.6%	0.7%	0.9%	0.2%	0.1%	0.4%	0.1%	3.5%	2.4%	0.2%	5.4%	10.1%	15.4%	13.5%	1.9%	5.4%	3.1%	0.3%	0.2%	1.7%	0.1%	0.0%
2012	2.4%	1.6%	0.7%	0.9%	0.3%	0.1%	0.4%	0.1%	3.4%	2.4%	0.2%	5.1%	10.3%	16.7%	14.9%	1.8%	5.1%	3.1%	0.3%	0.2%	1.5%	0.1%	0.0%
2013	2.6%	1.9%	0.7%	1.2%	0.2%	0.1%	0.4%	0.2%	3.0%	2.4%	0.6%	4.3%	10.0%	17.7%	15.9%	1.8%	5.1%	3.1%	0.3%	0.2%	1.4%	0.1%	0.0%
2014	2.2%	1.5%	0.5%	1.0%	0.3%	0.1%	0.4%	0.5%	2.9%	2.3%	0.7%	4.0%	10.1%	19.7%	18.1%	1.6%	5.1%	3.0%	0.3%	0.2%	1.5%	0.1%	0.0%
2015	2.2%	1.5%	0.5%	1.0%	0.3%	0.1%	0.3%	0.4%	3.0%	2.3%	0.8%	4.5%	9.0%	20.6%	18.9%	1.7%	4.9%	2.9%	0.2%	0.2%	1.4%	0.1%	0.0%
2016	2.1%	1.4%	0.5%	0.8%	0.3%	0.1%	0.4%	0.3%	3.1%	2.4%	0.8%	4.3%	10.7%	18.9%	17.2%	1.7%	5.0%	3.0%	0.2%	0.2%	1.4%	0.1%	0.0%
2017	1.8%	1.1%	0.4%	0.7%	0.2%	0.1%	0.3%	0.3%	3.1%	2.4%	0.8%	4.4%	10.0%	21.1%	19.4%	1.7%	5.0%	3.3%	0.2%	0.2%	1.2%	0.1%	0.0%
2018	1.8%	1.2%	0.4%	0.8%	0.2%	0.1%	0.3%	0.2%	3.3%	2.2%	0.8%	3.8%	10.4%	20.9%	19.6%	1.4%	4.7%	2.9%	0.3%	0.2%	1.2%	0.1%	0.0%

TABLE 7 - GROSS DOMESTIC PRODUCT BY ECONOMIC ACTIVITY
Current Price Contribution to GDP

Reference Period	Communication and Information Services	Publishing	Audio-Visual	Telecommunications	Computing and Information	Financial Services	Financial Intermediation	Insurance	Real Estate Activities	Professional, Technical & Scientific Services	Renting of Machinery and Equipment	Travel Agents & Tour Operators	Other Administrative & Support Services	Public Administration, Defence & Compulsory Social	Education	Public	Private	Health and Social Work	Public	Private	Arts, Entertainment & Recreation	Other Services Activities	Domestic Services	GVA in Basic Prices	Plus: Product Taxes	Less: Subsidies	GDP in Market Prices
2006	4.8%	0.2%	0.2%	4.4%	0.1%	8.2%	6.9%	1.3%	11.8%	1.1%	0.5%	1.8%	1.3%	5.1%	3.5%	2.9%	0.6%	2.2%	1.3%	0.9%	2.1%	1.0%	0.1%	87.6%	12.4%	0.0%	100.0%
2007	5.1%	0.2%	0.2%	4.7%	0.1%	8.3%	7.1%	1.3%	11.4%	1.6%	0.7%	2.3%	1.4%	4.5%	3.4%	2.9%	0.5%	2.1%	1.2%	0.9%	2.4%	1.0%	0.1%	87.8%	12.6%	0.1%	100.0%
2008	5.1%	0.2%	0.3%	4.6%	0.1%	8.0%	6.8%	1.2%	11.2%	1.9%	0.8%	1.8%	1.7%	5.4%	3.4%	2.9%	0.5%	2.1%	1.0%	0.9%	2.4%	1.1%	0.1%	87.8%	12.3%	0.2%	100.0%
2009	5.3%	0.2%	0.3%	4.8%	0.1%	7.3%	6.1%	1.2%	11.2%	1.8%	0.7%	1.6%	1.9%	5.7%	3.8%	3.2%	0.6%	2.3%	1.2%	1.1%	2.4%	1.2%	0.1%	87.7%	12.5%	0.3%	100.0%
2010	4.8%	0.2%	0.3%	4.3%	0.1%	6.1%	5.0%	1.1%	11.7%	1.6%	0.7%	1.7%	1.8%	5.8%	3.9%	3.2%	0.7%	2.5%	1.4%	1.1%	2.3%	1.1%	0.1%	88.5%	11.8%	0.3%	100.0%
2011	5.0%	0.1%	0.3%	4.4%	0.1%	5.7%	4.6%	1.1%	11.0%	1.6%	0.7%	1.7%	1.8%	5.5%	3.8%	3.1%	0.7%	2.5%	1.4%	1.1%	3.8%	1.1%	0.1%	89.1%	11.5%	0.7%	100.0%
2012	4.6%	0.1%	0.3%	4.1%	0.1%	5.7%	4.6%	1.1%	10.8%	1.5%	0.6%	1.7%	1.9%	5.6%	3.8%	3.1%	0.6%	2.5%	1.4%	1.1%	3.7%	1.0%	0.1%	89.4%	11.3%	0.6%	100.0%
2013	4.1%	0.1%	0.3%	3.5%	0.1%	5.9%	4.8%	1.1%	10.1%	1.2%	0.5%	1.5%	1.9%	6.2%	3.6%	3.0%	0.6%	2.5%	1.5%	1.0%	3.7%	0.9%	0.2%	88.1%	12.3%	0.4%	100.0%
2014	3.7%	0.1%	0.3%	3.2%	0.1%	5.4%	4.4%	1.0%	10.2%	1.1%	0.4%	1.7%	1.9%	5.5%	3.6%	3.0%	0.6%	2.4%	1.4%	1.0%	3.3%	0.8%	0.1%	87.5%	12.8%	0.3%	100.0%
2015	3.2%	0.1%	0.3%	2.7%	0.1%	5.7%	4.7%	1.0%	10.5%	1.2%	0.5%	1.6%	1.9%	5.4%	3.3%	2.7%	0.6%	2.3%	1.4%	0.9%	2.9%	0.8%	0.2%	87.0%	13.3%	0.3%	100.0%
2016	3.4%	0.1%	0.2%	2.9%	0.1%	6.4%	5.5%	1.0%	9.9%	1.1%	0.4%	1.4%	2.1%	5.2%	3.4%	2.8%	0.6%	2.2%	1.3%	0.9%	2.9%	0.8%	0.2%	86.9%	13.4%	0.3%	100.0%
2017	3.7%	0.1%	0.2%	3.3%	0.1%	6.6%	5.7%	0.9%	9.8%	1.0%	0.2%	1.3%	2.0%	4.8%	3.3%	2.7%	0.6%	2.1%	1.3%	0.9%	3.0%	0.7%	0.1%	87.5%	12.8%	0.3%	100.0%
2018	3.6%	0.1%	0.2%	3.3%	0.1%	6.8%	5.9%	0.9%	10.4%	1.0%	0.1%	1.3%	2.3%	5.1%	3.2%	2.7%	0.5%	2.2%	1.3%	0.9%	3.3%	0.7%	0.1%	88.1%	12.2%	0.3%	100.0%

TABLE 8 - GROSS DOMESTIC PRODUCT BY ECONOMIC ACTIVITY
Constant Price Contribution to GDP

Reference Period	Agriculture, Forestry and Fishing	Crops	Bananas	Other Crops	Livestock	Forestry	Fishing	Mining & Quarrying	Manufacturing	Electricity	Water	Construction	Wholesale & Retail Trade	Accommodation and Food Services	Accommodation	Food and Beverage Services	Transport and Storage	Road Transport	Sea Transport	Air Transport	Supporting and Auxiliary Transport Activities	Postal Services	Courier Services
2006	2.1%	1.5%	0.8%	0.6%	0.2%	0.1%	0.3%	0.0%	2.7%	2.2%	0.8%	4.7%	11.9%	19.3%	17.3%	1.8%	5.7%	3.0%	0.2%	0.3%	2.1%	0.1%	0.0%
2007	2.1%	1.5%	0.7%	0.7%	0.2%	0.1%	0.3%	0.1%	2.7%	2.2%	0.9%	3.5%	12.2%	18.0%	15.4%	1.9%	5.9%	3.3%	0.2%	0.2%	2.0%	0.1%	0.0%
2008	2.5%	1.8%	0.8%	0.9%	0.2%	0.1%	0.3%	0.0%	2.6%	2.1%	0.9%	5.2%	12.0%	17.3%	15.5%	1.5%	5.7%	3.2%	0.2%	0.2%	2.0%	0.1%	0.0%
2009	2.4%	1.7%	0.8%	0.8%	0.2%	0.1%	0.3%	0.0%	2.7%	2.2%	0.9%	4.9%	11.2%	17.4%	15.3%	1.6%	5.4%	3.2%	0.2%	0.2%	1.7%	0.1%	0.0%
2010	1.8%	1.2%	0.5%	0.6%	0.2%	0.1%	0.3%	0.0%	2.8%	2.4%	0.8%	4.8%	10.8%	19.5%	17.6%	1.6%	5.3%	3.0%	0.2%	0.3%	1.8%	0.1%	0.0%
2011	1.7%	1.0%	0.3%	0.7%	0.2%	0.1%	0.3%	0.0%	2.7%	2.3%	0.8%	4.8%	12.1%	17.5%	15.6%	1.5%	4.8%	2.7%	0.2%	0.2%	1.6%	0.1%	0.0%
2012	2.0%	1.4%	0.6%	0.8%	0.2%	0.1%	0.3%	0.1%	2.9%	2.2%	0.8%	4.6%	11.4%	18.7%	17.2%	1.4%	5.0%	2.7%	0.2%	0.2%	1.8%	0.1%	0.0%
2013	2.1%	1.5%	0.5%	1.1%	0.2%	0.1%	0.3%	0.1%	3.2%	2.3%	0.8%	4.0%	10.7%	18.6%	16.9%	1.5%	4.8%	2.7%	0.2%	0.2%	1.5%	0.1%	0.0%
2014	1.9%	1.3%	0.4%	0.9%	0.2%	0.1%	0.3%	0.2%	3.2%	2.3%	0.8%	3.9%	10.5%	20.3%	18.9%	1.5%	5.4%	3.0%	0.2%	0.2%	1.9%	0.1%	0.0%
2015	2.0%	1.3%	0.4%	0.9%	0.2%	0.1%	0.3%	0.2%	3.2%	2.3%	0.8%	4.5%	9.5%	20.2%	18.6%	1.5%	5.5%	3.0%	0.2%	0.2%	1.9%	0.1%	0.0%
2016	1.9%	1.3%	0.4%	0.9%	0.3%	0.1%	0.3%	0.2%	3.2%	2.3%	0.8%	4.4%	10.6%	18.9%	17.4%	1.5%	4.8%	2.9%	0.2%	0.2%	1.4%	0.1%	0.0%
2017	1.8%	1.2%	0.4%	0.8%	0.2%	0.1%	0.4%	0.2%	3.1%	2.3%	0.8%	4.5%	10.4%	20.3%	18.8%	1.5%	4.7%	2.9%	0.2%	0.2%	1.2%	0.1%	0.0%
2018	1.8%	1.2%	0.4%	0.8%	0.2%	0.1%	0.3%	0.2%	3.3%	2.2%	0.8%	3.8%	10.4%	20.9%	19.6%	1.4%	4.7%	2.9%	0.3%	0.2%	1.2%	0.1%	0.0%

TABLE 8 - GROSS DOMESTIC PRODUCT BY ECONOMIC ACTIVITY
Constant Price Contribution to GDP

Reference Period	Communication and Information Services	Publishing	Audio-Visual	Telecommunications	Computing and information	Financial Services	Financial Intermediation	Insurance	Real Estate Activities	Professional, Technical & Scientific Services	Renting of Machinery and Equipment	Travel Agents & Tour Operators	Other Administrative & Support Services	Public Administration, Defence & Compulsory Social	Education	Public	Private	Health and Social Work	Public	Private	Arts, Entertainment & Recreation	Other Services Activities	Domestic Services	GVA in Basic Prices	Plus: Product Taxes	Less: Subsidies	GDP in Market Prices
2006	2.5%	0.1%	0.2%	2.2%	0.1%	7.6%	6.3%	0.9%	11.4%	1.1%	0.0%	0.9%	1.4%	5.2%	3.3%	2.7%	0.6%	1.8%	1.3%	0.6%	1.9%	0.9%	0.2%	86.8%	13.7%	0.4%	100.0%
2007	2.7%	0.1%	0.2%	2.3%	0.1%	8.4%	6.8%	1.0%	11.3%	1.0%	0.1%	1.1%	1.6%	5.1%	3.3%	2.7%	0.5%	1.8%	1.3%	0.6%	2.2%	1.0%	0.2%	86.7%	13.8%	0.4%	100.0%
2008	2.7%	0.1%	0.2%	2.4%	0.1%	8.3%	6.8%	0.9%	11.0%	1.0%	0.1%	1.1%	1.7%	4.9%	3.2%	2.7%	0.5%	1.8%	1.2%	0.6%	2.1%	1.0%	0.2%	86.8%	13.7%	0.4%	100.0%
2009	2.9%	0.1%	0.2%	2.5%	0.1%	8.3%	6.7%	1.1%	11.3%	1.1%	0.1%	1.1%	1.8%	5.1%	3.4%	2.8%	0.6%	2.0%	1.3%	0.7%	2.1%	1.0%	0.2%	88.1%	12.2%	0.4%	100.0%
2010	3.3%	0.1%	0.3%	2.8%	0.1%	7.4%	6.2%	0.9%	11.4%	1.1%	0.1%	1.1%	1.8%	5.3%	3.4%	2.8%	0.6%	2.1%	1.3%	0.8%	2.1%	1.0%	0.2%	87.9%	12.5%	0.4%	100.0%
2011	3.3%	0.1%	0.3%	2.8%	0.1%	7.1%	6.1%	0.8%	10.9%	1.1%	0.1%	1.1%	1.9%	5.2%	3.3%	2.8%	0.6%	2.1%	1.3%	0.8%	3.5%	1.0%	0.2%	86.0%	14.6%	0.5%	100.0%
2012	3.5%	0.1%	0.3%	3.0%	0.1%	7.0%	6.1%	0.8%	11.0%	1.1%	0.1%	1.0%	1.9%	5.3%	3.4%	2.8%	0.6%	2.1%	1.3%	0.8%	3.4%	1.0%	0.2%	87.0%	13.5%	0.4%	100.0%
2013	3.6%	0.1%	0.3%	3.1%	0.1%	7.1%	6.2%	0.8%	11.3%	1.1%	0.0%	1.0%	1.9%	5.5%	3.5%	2.9%	0.6%	2.1%	1.4%	0.8%	3.4%	0.8%	0.2%	87.8%	12.6%	0.4%	100.0%
2014	3.4%	0.1%	0.3%	2.9%	0.1%	6.2%	5.6%	0.7%	11.4%	1.1%	0.0%	1.0%	2.0%	5.5%	3.5%	2.9%	0.6%	2.2%	1.4%	0.8%	3.2%	0.8%	0.2%	87.9%	12.4%	0.4%	100.0%
2015	3.7%	0.1%	0.3%	3.2%	0.1%	6.4%	5.6%	0.9%	11.4%	1.1%	0.1%	1.1%	2.1%	5.4%	3.4%	2.9%	0.6%	2.2%	1.4%	0.9%	2.9%	0.8%	0.2%	89.2%	11.0%	0.3%	100.0%
2016	3.4%	0.1%	0.2%	2.9%	0.1%	7.3%	6.4%	0.9%	11.0%	1.1%	0.0%	1.1%	2.3%	5.3%	3.3%	2.8%	0.6%	2.2%	1.3%	0.9%	2.9%	0.8%	0.2%	87.8%	12.5%	0.4%	100.0%
2017	3.2%	0.1%	0.2%	2.8%	0.1%	7.1%	6.2%	0.9%	10.6%	1.0%	0.0%	1.2%	2.3%	5.1%	3.3%	2.7%	0.6%	2.2%	1.3%	0.9%	3.1%	0.7%	0.1%	88.0%	12.4%	0.4%	100.0%
2018	3.6%	0.1%	0.2%	3.3%	0.1%	6.8%	5.9%	0.9%	10.4%	1.0%	0.1%	1.3%	2.3%	5.1%	3.2%	2.7%	0.5%	2.2%	1.3%	0.9%	3.3%	0.7%	0.1%	88.1%	12.2%	0.3%	100.0%