

D Cameroon

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D.1 Introduction

This paper document the compilation of Cameroon's input-output table (IOT) for contribution to GTAP data base with data referring to the year 2019. Cameroon was first included as an individual country in GTAP version 8, with data for the year 2003.

D.2 Reference information for the source table

The reference source data for this contribution of Cameroon's IOT to the GTAP data base are the detailed national accounts (NA) statistics data base compiled by the National Institute of Statistics (NIS) of Cameroon. These national accounts data refer to the year 2019 of the latest national accounts benchmark year 2016 following the 2008 system of national accounts (SNA).

NA statistics are not usually disseminated at the detailed level of the classifications used for compilation, especially for product and industry classifications. Regarding the practice in Cameroon, the disseminated supply and use tables (SUT) resulting from the compilation process is much more aggregated than the detailed compilation data. This SUT comprises forty-six industries and forty-seven products, whereas the detailed compilation data comprises 98 industries and 232 products.

D.3 Description of the source table

The reference year for the source table is 2019. The figures in the table are in millions of CFA francs (XAF).

The source data used for IOT compilation was industry by commodity. It included data on both basic and purchaser's prices for many of the product transactions.

The source data included uses at basic and purchaser prices with the corresponding valuation components (taxes on products, trade margins, and transport margins). However, for intermediate consumption at basic price only the total use by commodity is included; the breakdown of intermediate consumption by industry is not available at basic price. Proportional allocation was used to obtain this breakdown.

The source data did not include the split of uses between domestic and imported commodities as requested by GTAP. To comply with this IOT and GTAP requirement, original data were adjusted using proportional allocation with logical constraints. The details of payments for primary factors by industry are available only for labor and capital, and not for land.

The mapping between the detailed product classification (232) and the GTAP sectors was developed. The development of the concordance table between 232 positions of the country commodity classification and the 65 GTAP sectors resulted in 60 distinct GTAP compliant sectors. Therefore, the supplied table is a 60 by 60 IOT. Consistency checks were developed throughout the transformation process so that the final IOT is consistent with the original data.

D.4 Data adjustments

No additional data sources were used to handle inconsistencies. Proportional allocation was used to deal with inconsistencies between source data and GTAP requirements. Specially to determine intermediate uses by industry and to split uses between domestic production and imports.

D.5 Deviations from GTAP data base requirements

The supplied table is consistent in term of structure with the table required for GTAP database. Only the payments for land factor are not provided and hence are zero value.

A concordance table was developed between the detailed product classification and the GTAP sectors with 60 distinct sectors (see table 8.9 in the Appendix). Sign constraints are respected. The sectoral balance conditions are respected.

D.6 Strengths and weaknesses

The supplied table is compiled using a detailed NA database, supplemented with assumptions where needed. It is therefore more consistent with the data disseminated by the NIS. Meaning that there are no or lesser discrepancies with the original data. No data losses were incurred during the compilation process.

One weakness of this table is that the concordance table does not match all the 65 GTAP sectors distinctly. Nonetheless, this is a huge improvement compared to past contributions, given that the concordance table was developed at a detailed level of national commodity classification.

Appendix

Table 8.9: Concordance between 232 Cameroon product classification, 60 sectors in the contributed I-O table and 65 GTAP sectors

N_SEC	SEC	Contributed IOT sectors	GTAP sectors	OSEC	National product classification
1	pdr	Paddy rice	pdr	A114	Riz paddy
2	wht	Wheat	wht	A111	Blé (tendre et dur)
3	gro	Cereal grains nec	gro	A112	Graine de maïs séchée
3	gro	Cereal grains nec	gro	A113	Mil et Sorgho
3	gro	Cereal grains nec	gro	A115	Autres Céréales
4	v_f	Vegetables, fruit, nuts	v_f	A121	Manioc frais
4	v_f	Vegetables, fruit, nuts	v_f	A122	Manioc séché
4	v_f	Vegetables, fruit, nuts	v_f	A123	Macabo et Taro
4	v_f	Vegetables, fruit, nuts	v_f	A124	Autres tubercules
4	v_f	Vegetables, fruit, nuts	v_f	A131	Bananes plantains
4	v_f	Vegetables, fruit, nuts	v_f	A132	Bananes douces
4	v_f	Vegetables, fruit, nuts	v_f	A161	Agrumes
4	v_f	Vegetables, fruit, nuts	v_f	A162	Ananas
4	v_f	Vegetables, fruit, nuts	v_f	A163	Autres fruits
4	v_f	Vegetables, fruit, nuts	v_f	A171	haricot sec et niébé
4	v_f	Vegetables, fruit, nuts	v_f	A172	autres légumineuses et légumes secs
4	v_f	Vegetables, fruit, nuts	v_f	A173	Épices et condiments
4	v_f	Vegetables, fruit, nuts	v_f	A174	Légumes feuilles locales et champignons
5	osd	Oil seeds	osd	A141	Arachides graines
5	osd	Oil seeds	osd	A142	Noix de palme
5	osd	Oil seeds	osd	A143	Autres plantes oléagineuses
5	osd	Oil seeds	osd	A153	Graines de coton
6	c_b	Sugar cane, sugar beet	c_b	A113	Canne à sucre
7	pfb	Plant-based fibers	pfb	A151	Coton graine
7	pfb	Plant-based fibers	pfb	A152	Coton fibre
8	ocr	Crops nec	ocr	A175	Plantes, fleurs et autres produits de l'horticulture
8	ocr	Crops nec	ocr	A18	Fève de cacao séchée
8	ocr	Crops nec	ocr	A191	Café arabica parche
8	ocr	Crops nec	ocr	A192	Café robusta séché
8	ocr	Crops nec	ocr	A193	Thé
8	ocr	Crops nec	ocr	A111	Tabac brut y compris tabac préparé (coupé, séché, tabac de cape, y.c. le chanvre)
8	ocr	Crops nec	ocr	A112	Latex y compris caoutchouc brut
8	ocr	Crops nec	ocr	A114	Plantes aromatiques ou médicinales
8	ocr	Crops nec	ocr	A115	Noix de kola, Bitter Kola, autres stupéfiants n.c.a.
8	ocr	Crops nec	ocr	A116	Autres produits cultivés n.c.a. et services de soutien à l'agriculture
9	anp	Animal products	ctl, oap, rmk, wol	A21	Bovins sur pieds et lait de vache brut

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N_SEC	SEC	Contributed IOT sectors	GTAP sectors	OSEC	National product classification
9	anp	Animal products	ctl, oap, rmk, wol	A221	Ovins, caprins et lait brut
9	anp	Animal products	ctl, oap, rmk, wol	A222	Porcins vivants
9	anp	Animal products	ctl, oap, rmk, wol	A223	Volailles vivantes et œufs
9	anp	Animal products	ctl, oap, rmk, wol	A224	Equins, asins et autres animaux d'élevage vivants
9	anp	Animal products	ctl, oap, rmk, wol	A225	Produits de l'apiculture (Miel naturel, cire d'abeilles et gelée royale)
9	anp	Animal products	ctl, oap, rmk, wol	A231	Gibier frais, fumé ou séché
9	anp	Animal products	ctl, oap, rmk, wol	A232	Services de soutien à l'élevage
9	anp	Animal products	ctl, oap, rmk, wol	C713	Cuirs et peaux brutes
10	frs	Forestry	frs	A31	Bois bruts (grumes)
10	frs	Forestry	frs	A32	Bois de construction
10	frs	Forestry	frs	A33	Bois de chauffage
10	frs	Forestry	frs	A34	Charbon de bois
10	frs	Forestry	frs	A35	Autres produits forestiers et cueillette
10	frs	Forestry	frs	A36	Bois sur pied et services forestiers de soutien
11	fsh	Fishing	fsh	A411	Poissons frais
11	fsh	Fishing	fsh	A412	Crustacés et autres produits de la pêche
11	fsh	Fishing	fsh	A42	Produits de pêche continentale et aquaculture
12	coa	Coal	coa	B53	Autres combustibles fossiles
13	oil	Oil	oil	B51	Pétrole brut
13	oil	Oil	oil	B63	services de soutien aux industries extractives et minières
14	gas	Gas	gas	B52	Gaz naturel et GPL
15	oxt	Other Extraction (formerly omn Minerals nec)	oxt	B61	Minéraux métalliques
15	oxt	Other Extraction (formerly omn Minerals nec)	oxt	B62	Autres minerais non métalliques
16	mtp	Meat products	cmt, omt	C711	Viande de bovins
16	mtp	Meat products	cmt, omt	C712	Viande d'ovins, caprins, porcs et autres
16	mtp	Meat products	cmt, omt	C714	Préparations à base de viande et services de soutien
17	vol	Vegetable oils and fats	vol	C111	Huile brute de palme
17	vol	Vegetable oils and fats	vol	C112	Autres huiles brutes
17	vol	Vegetable oils and fats	vol	C113	Tourteaux
17	vol	Vegetable oils and fats	vol	C121	Huile raffinée de palme
17	vol	Vegetable oils and fats	vol	C122	Autres huiles raffinées
17	vol	Vegetable oils and fats	vol	C123	Margarine et matières grasses diverses
17	vol	Vegetable oils and fats	vol	C13	Provende et autres aliments pour animaux
18	mil	Dairy products	mil	C121	Lait, beurre et glaces

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N_SEC	SEC	Contributed IOT sectors	GTAP sectors	OSEC	National product classification
19	pcr	Processed rice	pcr	C82	Riz graine décortiqué
20	sgr	Sugar	sgr	C93	Sucre et mélasses
21	ofd	Food products nec	ofd	C721	Poissons congelés ou surgelés et conserves
21	ofd	Food products nec	ofd	C722	Poissons séchés, salés, fumés
21	ofd	Food products nec	ofd	C811	Farine de blé (froment)
21	ofd	Food products nec	ofd	C812	Farine de maïs
21	ofd	Food products nec	ofd	C813	Farine d'autres céréales et semoules
21	ofd	Food products nec	ofd	C831	Bâton de manioc (ebobolo, myondo, mintoumba)
21	ofd	Food products nec	ofd	C832	Produits de l'hydrolyse de l'amidon
21	ofd	Food products nec	ofd	C911	Cacao en masse
21	ofd	Food products nec	ofd	C912	Beurre et poudre de cacao
21	ofd	Food products nec	ofd	C913	Chocolat, confiseries et préparations à base de chocolat
21	ofd	Food products nec	ofd	C921	Café torréfié ; produits dérivés du café
21	ofd	Food products nec	ofd	C922	Thé conditionné
21	ofd	Food products nec	ofd	C111	Pain et pâtisserie fraîche
21	ofd	Food products nec	ofd	C112	Biscuits et biscottes
21	ofd	Food products nec	ofd	C113	Beignets de tout genre a base de farine (blé, maïs, manioc, haricot, mil, riz, etc.)
21	ofd	Food products nec	ofd	C114	Pâtes alimentaires
21	ofd	Food products nec	ofd	C1221	Jus de fruits et légumes
21	ofd	Food products nec	ofd	C1222	Condiments , assaisonnements et produits alimentaires divers
22	b_t	Beverages and tobacco products	b_t	C1311	Bière
22	b_t	Beverages and tobacco products	b_t	C1312	Malt
22	b_t	Beverages and tobacco products	b_t	C1321	Boissons alcoolisées modernes
22	b_t	Beverages and tobacco products	b_t	C1322	Boissons alcoolisées artisanales
22	b_t	Beverages and tobacco products	b_t	C133	Boissons non alcoolisées et eaux minérales
22	b_t	Beverages and tobacco products	b_t	C14	Cigarettes et autres produits à base de tabac
23	tex	Textiles	tex	C1511	Fibres de coton préparés
23	tex	Textiles	tex	C1512	Fils et filés ; tissus ; services d'ennoblissement textile
23	tex	Textiles	tex	C1513	Opérations sous-traitées intervenant dans la fabrication de produits textiles
23	tex	Textiles	tex	C152	Linge de maison, literie et autres articles en textiles
24	wap	Wearing apparel	wap	C1531	Vêtements en textiles

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N_SEC	SEC	Contributed IOT sectors	GTAP sectors	OSEC	National product classification
24	wap	Wearing apparel	wap	C1532	Opérations sous-traitées intervenant dans la fabrication d'articles d'habillement
25	lea	Leather products	lea	C161	Cuir travaillé et articles de voyage
25	lea	Leather products	lea	C162	Chaussures et articles chaussants
25	lea	Leather products	lea	C163	Opérations sous-traitées dans la fabrication de cuir, articles de voyages et de chaussures
26	lum	Wood products	lum	C1711	Bois sciés
26	lum	Wood products	lum	C1712	Bois profilés, traités et autres sous-produits du bois
26	lum	Wood products	lum	C172	Placages, contre-plaqués et panneaux à base de bois
26	lum	Wood products	lum	C1731	Charpentes et menuiseries de bâtiment en bois
26	lum	Wood products	lum	C1732	Emballages et ouvrages en liège
26	lum	Wood products	lum	C1733	Opérations sous-traitées intervenant dans le travail du bois et la fabrication d'articles en bois
27	ppp	Paper products, publishing	ppp	C181	Pâte à papier, articles en papier et carton
27	ppp	Paper products, publishing	ppp	C1821	Impression des journaux et services connexes
27	ppp	Paper products, publishing	ppp	C1822	Reproduction d'enregistrements audio vidéo et informatique
28	p_c	Petroleum, coal products	p_c	C191	Essences
28	p_c	Petroleum, coal products	p_c	C192	Kérosène (Jet A1, Carburéacteurs)
28	p_c	Petroleum, coal products	p_c	C193	Gazoles
28	p_c	Petroleum, coal products	p_c	C194	Fuel lourd et léger
28	p_c	Petroleum, coal products	p_c	C195	Autres produits pétroliers raffinés liquides
28	p_c	Petroleum, coal products	p_c	C196	Produits pétroliers raffinés gazeux
28	p_c	Petroleum, coal products	p_c	C197	Graisses lubrifiantes et bitumes
28	p_c	Petroleum, coal products	p_c	C198	Produits de la cokéfaction; produits des industries nucléaires
29	chm	Chemical products	chm	C211	Gaz industriels et produits chimiques
29	chm	Chemical products	chm	C212	Produits azotés et engrais
29	chm	Chemical products	chm	C213	Matières plastiques et caoutchouc synthétique
29	chm	Chemical products	chm	C22	Savons et détergents, produits de toilette
29	chm	Chemical products	chm	C233	Produits agrochimiques, peintures et vernis, allumettes et fibres

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N_SEC	SEC	Contributed IOT sectors	GTAP sectors	OSEC	National product classification
30	bph	Basic pharmaceutical products	bph	C231	Produits pharmaceutiques
30	bph	Basic pharmaceutical products	bph	C232	Produits de la médecine traditionnelle
31	rpp	Rubber and plastic products	rpp	C2111	Caoutchouc sec
31	rpp	Rubber and plastic products	rpp	C2112	Pneumatiques et ouvrages en caoutchouc
31	rpp	Rubber and plastic products	rpp	C212	Tubes, profilés, plaques, emballages et articles divers en matière plastique
32	nmm	Mineral products nec	nmm	C2211	Clinkers
32	nmm	Mineral products nec	nmm	C2212	Ciment
32	nmm	Mineral products nec	nmm	C2221	Verre et articles en verres
32	nmm	Mineral products nec	nmm	C2222	Produits en céramique, autres produits minéraux non métalliques
33	i_s	Ferrous metals	i_s	C231	Produits sidérurgiques, métaux précieux
34	nfm	Metals nec	nfm	C232	Métaux précieux
34	nfm	Metals nec	nfm	C233	Alumine
34	nfm	Metals nec	nfm	C234	Aluminium et demi-produits en aluminium
35	fmp	Metal products	fmp	C235	Armes et munitions
35	fmp	Metal products	fmp	C236	Ouvrages en métaux, autres métaux non ferreux
36	ele	Computer, electronic and optical products	ele	C251	Equipements, appareils audiovisuels et de communication
36	ele	Computer, electronic and optical products	ele	C252	Instruments médicaux, de précision, d'optique et d'horlogerie
36	ele	Computer, electronic and optical products	ele	C253	Produits électroniques et informatiques
37	eeq	Electrical equipment	eeq	C243	Appareils domestiques
37	eeq	Electrical equipment	eeq	C244	Autres machines, accumulateurs et piles électriques
38	ome	Machinery and equipment nec	ome	C241	Equipements mécaniques et machines d'usage général
38	ome	Machinery and equipment nec	ome	C242	Autres machines d'usage spécifique
39	mvh	Motor vehicles and parts	mvh	C2611	Véhicules automobiles
39	mvh	Motor vehicles and parts	mvh	C2612	Carrosseries et remorques, pièces et accessoires pour véhicules
40	otn	Transport equipment nec	otn	C2613	Motocycles, cycles et autres matériels roulants
40	otn	Transport equipment nec	otn	C2621	Matériel de transport naval, entretien et réparation naval
40	otn	Transport equipment nec	otn	C2622	Matériel ferroviaire roulant

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N_SEC	SEC	Contributed IOT sectors	GTAP sectors	OSEC	National product classification
40	otn	Transport equipment nec	otn	C2623	Matériels aéronautiques et spatiaux et matériels connexes
40	otn	Transport equipment nec	otn	C2624	Véhicules militaires de combat
41	omf	Manufactures nec	omf	C2711	Meubles en bois
41	omf	Manufactures nec	omf	C2712	Autres meubles et prestations connexes à l'ameublement, sommiers et matelas
41	omf	Manufactures nec	omf	C2721	Monnaies et bijoux
41	omf	Manufactures nec	omf	C2722	Instruments de musique, articles de sport et autres produits manufacturés n.c.a
41	omf	Manufactures nec	omf	C28	Réparation et installation des machines et équipements
42	elg	Electricity and gaz	ely, gdt	D29	Electricité et supports énergétiques
43	wtr	Water	wtr	E31	Eau captée et distribuée
43	wtr	Water	wtr	E32	Assainissement, voirie et gestion des déchets, activités de récupération
44	cns	Construction	cns	F3111	Démolition et préparation des sites
44	cns	Construction	cns	F3112	Logements
44	cns	Construction	cns	F3113	Bâtiments non résidentiels
44	cns	Construction	cns	F3114	Ouvrages et travaux de construction d'ouvrages de génie civil
44	cns	Construction	cns	F3121	Travaux d'installation (électrique, plomberie, etc.)
44	cns	Construction	cns	F3122	Travaux de finition, autres travaux spécialisés
45	trd	Trade	trd	G3211	Vente de véhicules, motocycles et des accessoires
45	trd	Trade	trd	G3212	Vente de carburant
45	trd	Trade	trd	G322	ventes en gros de produits agricoles ou manufacturés et d'animaux vivants y.c. bois bruts
45	trd	Trade	trd	G323	ventes au détail
45	trd	Trade	trd	G33	Réparations et entretien de véhicules et motocycles
46	afs	Accommodation, Food and service activities	afs	I351	Services d'hébergement
46	afs	Accommodation, Food and service activities	afs	I3521	Services de restaurants
46	afs	Accommodation, Food and service activities	afs	I3522	Services des débits de boissons et cafés
46	afs	Accommodation, Food and service activities	afs	U47	Correction territoriale
47	otp	Transport nec	otp	H341	Transport ferroviaire passagers et marchandises
47	otp	Transport nec	otp	H3421	Transport de voyageurs par taxis

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N_SEC	SEC	Contributed IOT sectors	GTAP sectors	OSEC	National product classification
47	otp	Transport nec	otp	H3422	Transport de voyageurs par taxi-motos
47	otp	Transport nec	otp	H3423	Autres transports routiers de voyageurs urbains
47	otp	Transport nec	otp	H3424	Autres transports routiers de voyageurs interurbains
47	otp	Transport nec	otp	H3425	Transports routiers de marchandises
47	otp	Transport nec	otp	H345	Transports par conduites
48	wtp	Water transport	wtp	H343	Transports par eau
49	atp	Air transport	atp	H344	Transports aériens
50	whs	Warehousing and support activities	whs	H346	Services de manutention, d'entreposage et des infrastructures de transports
51	cmn	Communication	cmn	H347	Services des postes et de courrier
51	cmn	Communication	cmn	J3611	Produits de l'édition et logiciels
51	cmn	Communication	cmn	J3612	Service de production et distribution de film, video, émission, enregistrement
51	cmn	Communication	cmn	J362	Services de télécommunications (y compris Call-box)
51	cmn	Communication	cmn	J363	Programmation informatique et conseil, services d'information
52	ofi	Financial services nec	ofi	K3711	SIFIM
52	ofi	Financial services nec	ofi	K3712	Services de banque centrale hors SIFIM
52	ofi	Financial services nec	ofi	K3713	Autres services d'intermédiation monétaire hors SIFIM (banques, microfinance)
52	ofi	Financial services nec	ofi	K3714	Services de holding; Trusts, fonds et autres services financiers hors assurance
52	ofi	Financial services nec	ofi	K3731	Services d'auxiliaires financiers et d'assurances
52	ofi	Financial services nec	ofi	K3732	Service de banque à distance (mobile money, mobile banking, etc)
53	ins	Insurance (formerly isr)	ins	K3721	Assurance non vie (IARD)
53	ins	Insurance (formerly isr)	ins	K3722	Assurance vie
53	ins	Insurance (formerly isr)	ins	K3723	Réassurance
54	rsa	Real estate activities	rsa	L3811	Transactions sur biens immobiliers propres
54	rsa	Real estate activities	rsa	L3812	Services de location de logements
54	rsa	Real estate activities	rsa	L3813	Services de location d'autres biens immobiliers, y compris les terrains
54	rsa	Real estate activities	rsa	L382	Service des agences immobilières

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N_SEC	SEC	Contributed IOT sectors	GTAP sectors	OSEC	National product classification
55	obs	Business services nec	obs	M3911	Services juridiques, comptables et conseil de gestion
55	obs	Business services nec	obs	M3912	Services d'architecture et d'ingénierie, de contrôle et d'analyses techniques
55	obs	Business services nec	obs	M3913	Services de publicité, études de marché et autres services professionnels
55	obs	Business services nec	obs	M392	Services de Recherche et Développement
55	obs	Business services nec	obs	M393	Services vétérinaires
55	obs	Business services nec	obs	N41	Location de matériel de transport, de machines, équipements et de biens sans opérateurs
55	obs	Business services nec	obs	N42	Services des agences de réservation et voyagistes, services liés aux ressources humaines
55	obs	Business services nec	obs	N43	Services de soutien aux entreprises; soutien aux bâtiments et sécurité
56	ros	Recreational and other services	ros	R441	Services créatifs, artistiques et de spectacle
56	ros	Recreational and other services	ros	R442	Services de conservation et valorisation du patrimoine
56	ros	Recreational and other services	ros	R443	Services sportifs, récréatifs et de loisirs , jeux au hasard
56	ros	Recreational and other services	ros	S451	Services fournis par les organisations religieuses, politiques et autres associations
56	ros	Recreational and other services	ros	S452	Réparations diverses
56	ros	Recreational and other services	ros	S453	Services personnels
56	ros	Recreational and other services	ros	T46	Services des ménages en tant qu'employeurs de personnel domestique
57	osg	Public Administration and defense	osg	O4111	Administration publique générale, tutelle des activités économiques et sociales
57	osg	Public Administration and defense	osg	O4112	Services de prérogative publique
57	osg	Public Administration and defense	osg	O412	Service de sécurité sociale
58	edu	Education	edu	P421	Enseignement primaire et maternelle
58	edu	Education	edu	P422	Enseignement secondaire
58	edu	Education	edu	P423	Enseignement supérieur
58	edu	Education	edu	P424	Autres enseignements
59	hht	Human health and social work activities	hht	Q4311	Services hospitaliers

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N_SEC	SEC	Contributed IOT sectors	GTAP sectors	OSEC	National product classification
59	hht	Human health and social work activities	hht	Q4312	Soins médicaux et dentaires; Autres services de santé humaine
59	hht	Human health and social work activities	hht	Q432	Services d'action sociale
60	dwe	Dwellings	dwe	L3812li	Loyer impute