

Supplementary Information

Tables

Table S1. Sectoral aggregation scheme for the GTAP database: 12 sectors

No.	Sector	Description	Subsectors
1	GrainsCrops	Grains and Crops	Paddy rice (pdr), Wheat (wht), Cereal grains nec (gro), Vegetables, fruit, nuts (v_f), Oil seeds (osd), Sugar cane, sugar beet (c_b), Plant-based fibers (pfb), Crops nec (ocr)
2	MeatLstk	Livestock and Meat Products	Cattle, sheep, goats, horses (ctl), Animal products nec (oap), Raw milk (rmk), Wool, silk-worm cocoons (wol)
3	Forestry	Mining and Extraction	Forestry (frs)
4	Fishery	Fishery	Fishing (fsh)
5	Mining	Mining	Coal (coa), Oil (oil), Gas (gas), Minerals nec (omn)
6	ProcMeatDair	ProcessedMeatDairy	Meat: cattle, sheep, goats, horse (cmt), Meat products nec (omt), Dairy products (mil)
7	ProcVegFood	Processed VegiFood	Vegetable oils and fats (vol), Processed rice (pcr), Sugar (sgr), Food products nec (ofd), Beverages and tobacco products (b_t)
8	LightMnfc	Light Manufacturing	Textiles (tex), Wearing apparel (wap), Leather products (lea), Wood products (lum), Paper products, publishing (ppp)
9	HeavyMnfc	Heavy Manufacturing	Petroleum, coal products (p_c), Chemical, rubber, plastic prods (crp), Mineral products nec (nmm), Ferrous metals (i_s), Metals nec (nfm), Metal products (fmp), Motor vehicles and parts (mvh), Transport equipment nec (otn), Electronic equipment (ele), Machinery and equipment nec (ome), Manufactures nec (omf), Construction (cns)
10	Utilities	Utilities	Electricity (ely), Gas manufacture, distribution (gdt), Water (wtr)
11	TradeTransp	Transport and Communication	Trade (trd), Transport nec (otp), Sea transport (wtp), Air transport (atp)
12	OthServices	Other Services	Communication (cmn), Financial services nec (ofi), Insurance (isr), Business services nec (obs), Recreation and other services (ros), Public

			Administration/Defense/Health/Education (osg), Dwellings (dwe)
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Table S2. Country aggregation scheme for the GTAP database: 133 countries/regions

No.	Code	Countries	No.	Code	Countries
1	aus	Australia	35	per	Peru
2	nzl	New Zealand	36	ury	Uruguay
3	xoc	Rest of Oceania	37	ven	Venezuela
4	chn_hkg	China and Hong Kong	38	xsm	Rest of South America
5	jpn	Japan	39	cri	Costa Rica
6	kor	Korea	40	gtm	Guatemala
7	mng	Mongolia	41	hnd	Honduras
8	tw	Taiwan	42	nic	Nicaragua
9	xea	Rest of East Asia	43	pan	Panama
10	brn	Brunei Darussalam	44	slv	El Salvador
11	khm	Cambodia	45	xca	Rest of Central America
12	idn	Indonesia	46	dom	Dominican Republic
13	lao	Lao People's Democratic Republic	47	jam	Jamaica
14	mys_sgp	Malaysia and Singapore	48	pri	Puerto Rico
15	phl	Philippines	49	tto	Trinidad and Tobago
16	tha	Thailand	50	xcb	Caribbean
17	vnm	Vietnam	51	aut	Austria
18	xse	Rest of Southeast Asia	52	cyp	Cyprus
19	bgd	Bangladesh	53	cze	Czech Republic
20	ind	India	54	dnk	Denmark
21	npl	Nepal	55	est	Estonia
22	pak	Pakistan	56	fin	Finland
23	lka	Sri Lanka	57	fra	France
24	xsa	Rest of South Asia	58	deu	Germany
25	can	Canada	59	grc	Greece
26	usa	United States of America	60	hun	Hungary
27	mex	Mexico	61	irl	Ireland
28	arg	Argentina	62	ita	Italy
29	bol	Bolivia	63	lva	Latvia
30	bra	Brazil	64	ltu	Lithuania
31	chl	Chile	65	mlt	Malta
32	col	Colombia	66	bel_lux_nld	Belgium, Luxembourg, and Netherlands.
33	ecu	Ecuador	67	pol	Poland
34	pry	Paraguay	68	prt	Portugal

Table S2 (continued)					
No.	Code	Countries	No.	Code	Countries
69	svk	Slovakia	102	xws	Rest of Western Asia
70	svn	Slovenia	103	egy	Egypt
71	esp	Spain	104	mar	Morocco
72	swe	Sweden	105	tun	Tunisia
73	gbr	United Kingdom	106	xnf	Rest of North Africa
74	che	Switzerland	107	ben	Benin
75	nor	Norway	108	bfa	Burkina Faso
76	xna_xef_xtw	Rest of North America, Rest of EFTA, and Rest of the World.	109	cmr	Cameroon
77	alb	Albania	110	civ_gha	Cote d'Ivoire and Ghana
78	bgr	Bulgaria	111	gin	Guinea
79	blr	Belarus	112	nga	Nigeria
80	hrv	Croatia	113	sen	Senegal
81	rou	Romania	114	tgo	Togo
82	rus	Russian Federation	115	xwf	Rest of Western Africa
83	ukr	Ukraine	116	xcf	Central Africa
84	xee	Rest of Eastern Europe	117	xac	South Central Africa
85	xer	Rest of Europe	118	eth	Ethiopia
86	kaz	Kazakhstan	119	ken	Kenya
87	kgz	Kyrgyzstan	120	mdg	Madagascar
88	xsu	Rest of Former Soviet Union	121	mwi	Malawi
89	arm	Armenia	122	mus	Mauritius
90	aze	Azerbaijan	123	moz	Mozambique
91	geo	Georgia	124	rwa	Rwanda
92	bhr	Bahrain	125	tza	Tanzania
93	irn	Iran Islamic Republic of	126	uga	Uganda
94	isr	Israel	127	zmb	Zambia
95	jor	Jordan	128	zwe	Zimbabwe
96	kwt	Kuwait	129	xec	Rest of Eastern Africa
97	omn	Oman	130	bwa	Botswana
98	qat	Qatar	131	nam	Namibia
99	sau	Saudi Arabia	132	zaf	South Africa
100	tur	Turkey	133	xsc	Rest of South African Customs
101	are	United Arab Emirates			

Figures

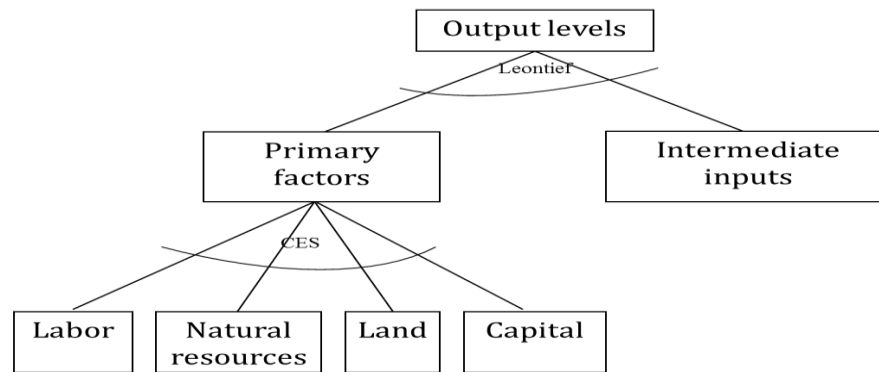


Figure S1. Production structure of the agricultural sectors

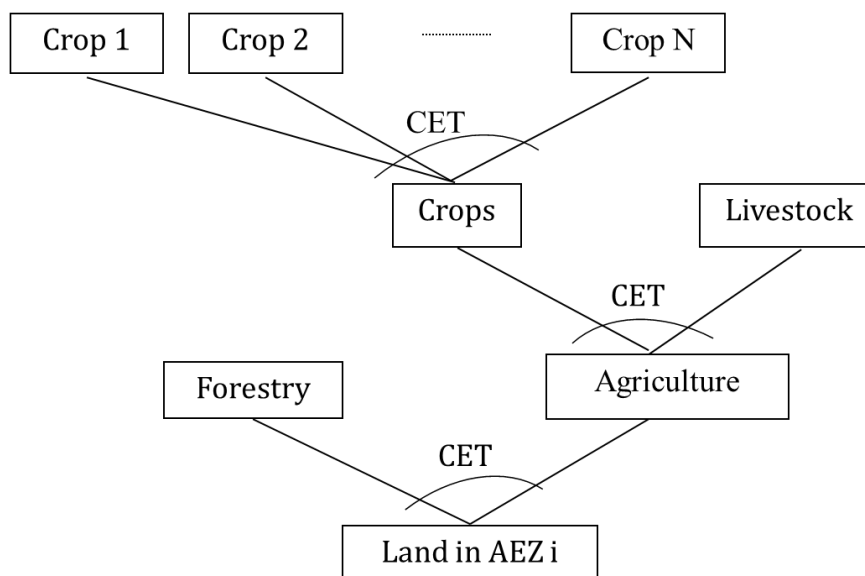


Figure S2. Nesting structure for AEZ-specific land supply