



Special Session on Supply and Use Tables and Input-Output Tables

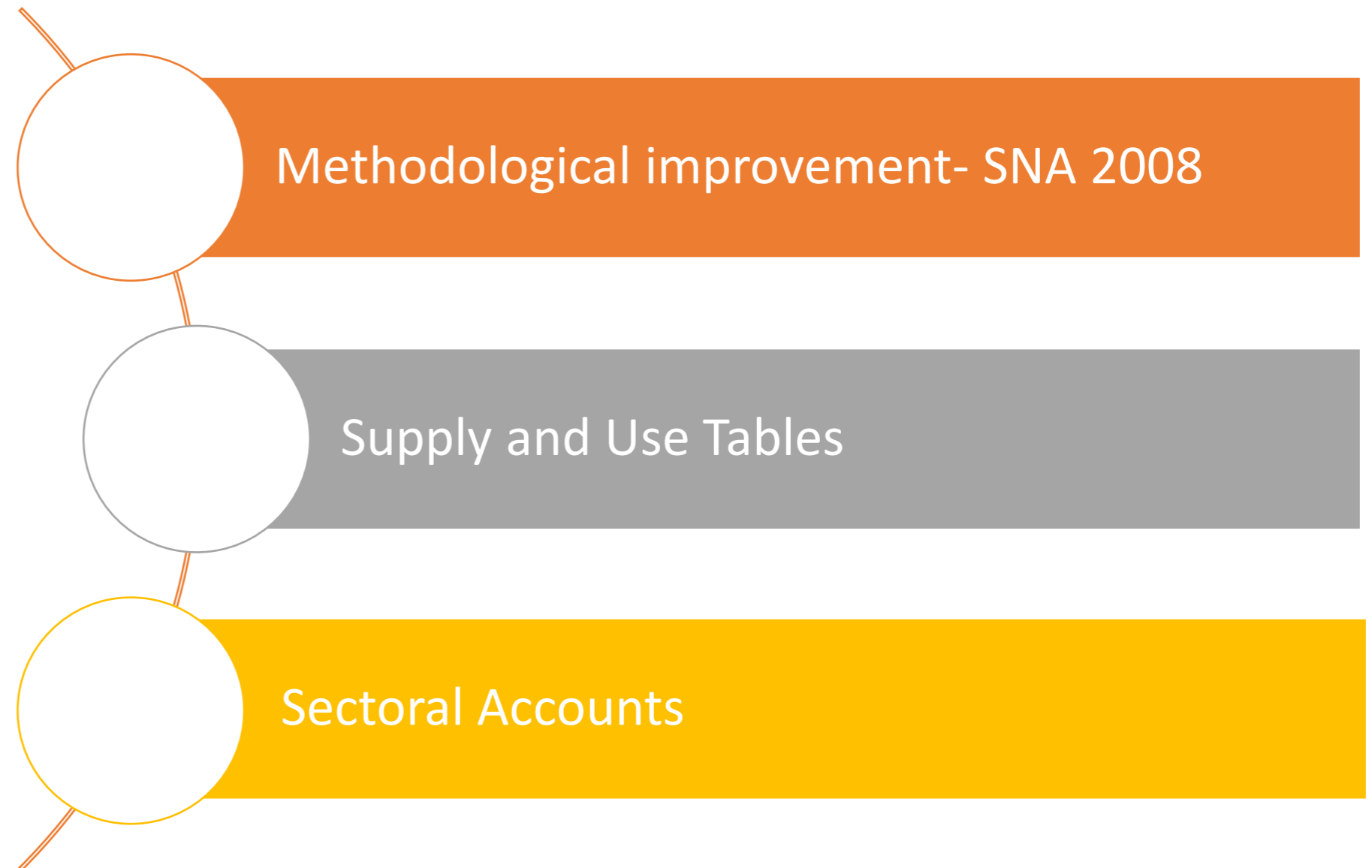
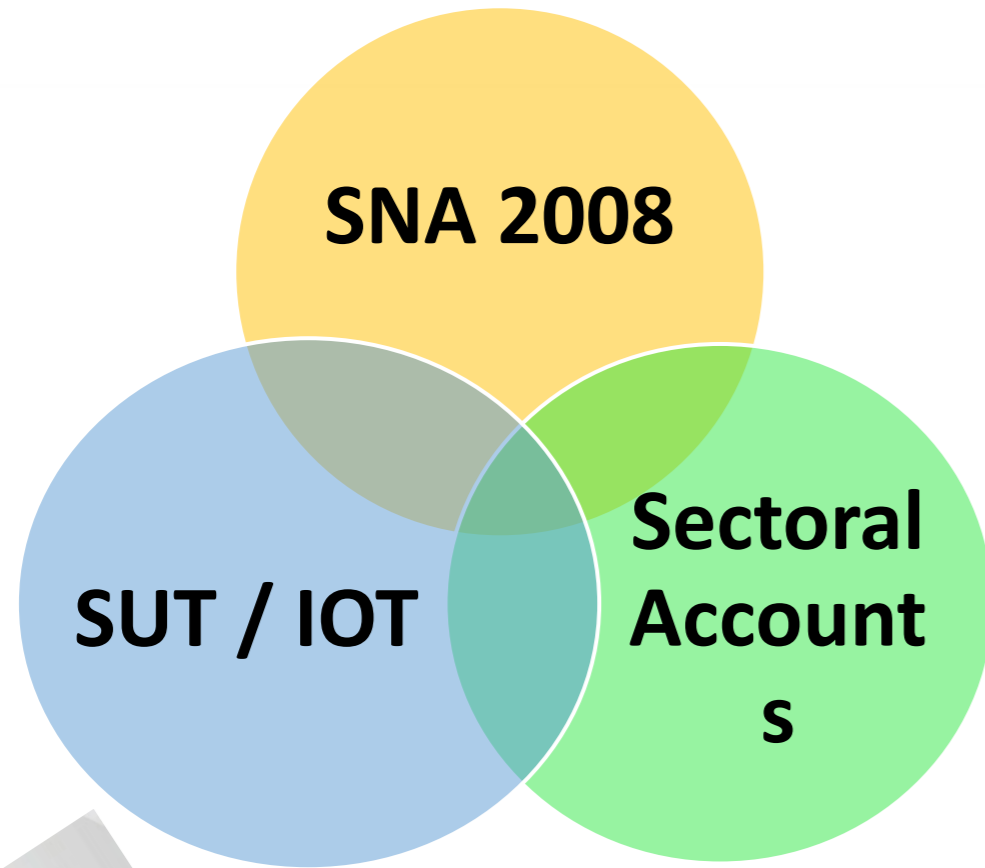
Compilation of SUT and IOT in Georgia



3-5 October 2022, Geneva, online



National Accounts Component in 2020-2023 Strategy



Overview of SUT



2007

- First release of annual (for year 2006) SUT at current prices

2006-
2017

- SUT were compiled based on SNA1993, NACE Rev. 1.1 (disseminated by: 67 prod.X45 act.)

Since
2018

- SUT are compiled on the basis SNA2008 SNA, NACE Rev. 2 (compiled by double digit level - 88 prod.X88 act.)

Current
disseminatio
n

- SUT are published at current prices

Classifications and Corresponding Tables

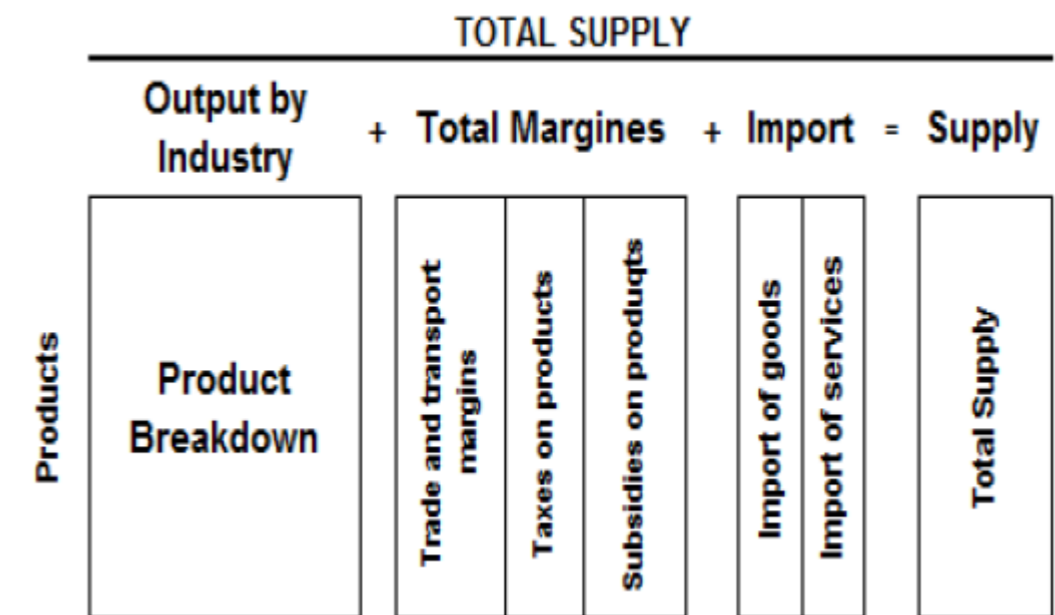


- **NACE Rev.2** (Statistical classification of Economic Activities)
- **CPA 2008** (Classification of products by activity)
- **COICOP** (Classification of individual consumption by purpose) => **CPA 2008**
- **COFOG** (Classification of the functions of government) => **NACE Rev.2**
- **GFS** (Government Finance Statistics)=> **CPA 2008**

Components of Supply Table



- **Market output** - agricultural survey, business statistics, financial statistics, insurance statistics, non-observed economy;
- **Non-market output** – Government Finance Statistics, NPISH;
- **Production of households** – Special survey of HH;
- **Owner-occupied dwellings** – user cost method;
- **Trade and Transport Margins Matrix** - estimates based on specific products in SUT;
- **Taxes Matrix**– VAT (on imported and domestic goods), excise (on imported and domestic goods), import duties;
- **Subsidies** ;
- **Imports of goods and services (CIF)** – Balance of Payments.



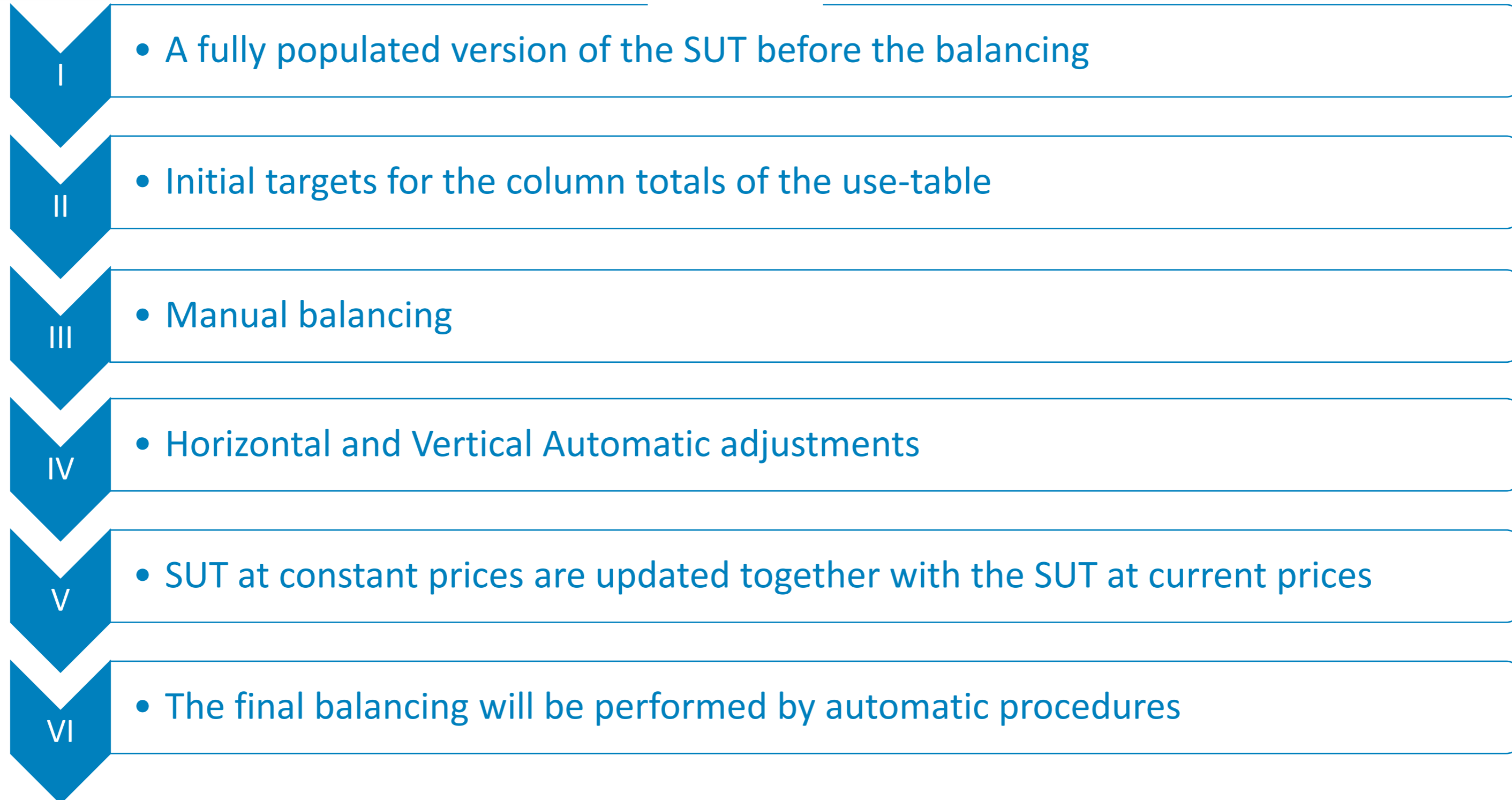
Components of Use Table



- **Intermediate consumption**- market and non-market producers. The last Structural Survey of IC was carried out in 2018;
- **Final Consumption of Households, NPISH, General Government;**
- **Exports of goods and services (CIF)**– Balance of Payments;
- **Gross Fixed Capital Formation** – data of financial and non-financial corporations, government finance statistics, special household survey;
- **Changes in Inventories** – survey of non-financial corporations (Business statistics), NPISH, GG.

TOTAL USE						
Intermediate consumption	+ Final Consumption			+ Investment	+ Export	= Use
Product Breakdown	HH	NPISH	Government	GFCF	Inventories	Total Use
					Export of goods	
					Export of services	

Balancing Steps



Balancing Process



2018		Import Bridge											Exports		Supply minus use
1000 GEL		Production	Imports	Bridge column	Supply	Intermediate consumption	Household final consumption	Consumption of NPISH's	Public indiv. Consumption	Collective consumption	Gross fixed capital formation	Changes in inventories	Exports	Use	
Transaction code		Total	0700	1000	Total	Total	Total	3130	total	Total	Total	Total	6000	Total	
Industry / Cons.-group															
work-in-progress on cultiv.assets	00522	0			0	0	0		0	0	0	0		0	0
Finished goods and work-in-progress nec.	00523	0			0	0	0		0	0	0	0		0	0
Cereals (except rice), leguminous crops and oil seeds	01110	549,047	410,157		959,204	1,008,549	123,571		0	0	0	23,551	39,133	1,194,803	-235,599
Rice, not husked	01120	0	504		504	0	0		0	0	0	0		0	504
Vegetables and melons, roots and tubers	01130	445,113	105,859		550,973	529,625	620,426		0	0	0	76,076	117,356	1,343,483	-792,510
Sugar cane	01140	0			0	56,510	0		0	0	0	2,446		58,956	-58,956
Unmanufactured tobacco	01150	0	3,862		3,862	0	0		0	0	0	0	346	346	3,516
Fibre crops	01160	0	32		32	0	0		0	0	0	0		0	32
Forage crops	01191	0	11		11	45,376	0		0	0	0	0	338	45,714	-45,703
Cut flowers, seeds, raw vegetable materials	01192	0	8,130		8,130	16,917	0		0	0	0	171	36	17,124	-8,994
Grapes, fresh or dried	01210	527,076	9,175		536,251	619,113	25,707		0	0	0	23,010	2,932	670,762	-134,511
Fruits and nuts, except grapes	01220	536,373	124,413		660,787	202,626	230,357		0	0	258,188	13,510	146,405	851,087	-190,300
Coffee beans, tea leaves, cocoa beans	01270	1,810	30,716		32,526	106,876	0		0	0	0	4,542	5,108	116,526	-84,000
Other perennial crops	01280	8,501	7,006		15,507	0	7,571		0	0	0	0	7,241	14,811	696
Planting material: plants, bulbs, tubers, roots, cuttings	01300	32	37,479		37,511	18,243	80		0	0	0	556	3,296	22,174	15,337
Dairy cattle, live	01411	426,266	9,244		435,510	168,864	77,976		0	0	51,556	4,760		303,156	132,355
Raw milk	01420	933,603			933,603	0	9,889		0	0	0	0		9,889	923,714
Other cattle and buffaloes, live	01421	0	570		570	0	167		0	0	20,930	-6	98,964	120,054	-119,484
Cattle and buffalo semen	01422	0	126		126	0	0		0	0	0	0		0	126
Horses and other equines, live	01430	0	40		40	0	0		0	0	0	0	29	29	10
Sheep and goats, live	01450	99,817	19,277		119,094	0	0		0	0	3,819	-157	14,475	18,137	100,957
Shorn wool from sheep and goats, greasy	01453	3,455	15		3,470	0	0		0	0	0	0	329	329	3,141
Swine, live	01460	237,524	14,100		251,624	0	0		0	0	7,073	-485		6,588	245,037
Poultry, live	01471	217,646	8,765		226,411	0	0		0	0	35,919	865	2,822	39,606	186,805
Eggs, in shell, fresh	01472	216,997	2,677		219,673	591	140,524		0	0	0	14,310	1,654	157,079	62,594
Other farmed animals and animal products	01490	65,746	1,733		67,479	0	0		0	0	3,787	4,278	1,012	9,077	58,402
Support services to agriculture	01600	287,421			287,421	51,373	0		0	0	3	436		51,812	235,609
Hunting and trapping and related services	01700	0			0	0	0		0	0	0	0		0	0
Forestry, logging. Governm.sales	02008	0			0	0	0		0	0	0	0		0	0
Forestry, logging. Gov.final consumption	02009	0			0	0	0		0	0	0	0		0	0
Forest trees and nursery services	02100	0	359		359	898	0		0	0	0	2	2,983	3,884	-3,525
Logs of wood	02210	276,911	15		276,926	44,858	127,632		0	0	0	12,120	1	184,611	92,314
Fuel wood	02240	0	293		293	26,492	0		0	0	0	0	5,725	32,216	-31,924
Gathering of wild growing non-wood products	02300	0	579		579	6,085	0		0	0	0	46	328	6,458	-5,879
Support services to forestry	02400	0			0	0	0		0	0	0	0		0	0
Fishing and aquaculture products	03000	57,601	8,105		65,706	20,669	25,541		0	0	0	-1,422	5,545	50,333	15,374

Automatic Balancing



1012 1315 1600 1700

Select area (Rows / Columns) [X]

Adjustment type: **Vertical** / Horizontal Iterations: 10

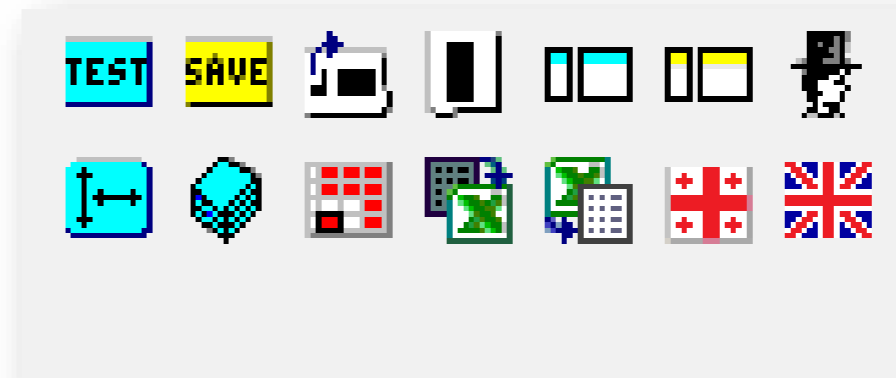
Product: First: 01420 Last: 01420

Transaction: 0100 0100

Industry/Group: 1600 1600

Year: 2018 [Test] [Cancel] [OK]

RAS method for balancing at basic prices - performed by repeated proportional adjustments of a matrix to targets for row - and column totals.



Use Matrix - from Purchasers to Basic Prices



Use matrix at
purchasers
prices



Trade and
transport
margins matrix



Use
matrix at
basic
prices



Taxes matrix

Latest Development



Compilation of Supply and Use Tables (SUT)

- More detailed framework for Supply and Use tables at current prices - Internal system: about 330 products and 64 industries (based on 2018 data);
- Compilation of the third quadrant;
- Macro based tool for balancing the SUT;
- SUT at constant prices (based on 2018 data).

Input-Output Table (IOT model D)

- Input-Output table compilation method was implemented and experimental IOT at 2020 current prices was disseminated.

Analysis of Input-output table

- Analytical indicators (multipliers) of IOT were developed.

Portal of Economic Analysis

<http://eap.geostat.ge/en>



Nace Rev.2	Nace Rev.2 code name	Final consumption, mil Gel	Nominal Change in Final Demand	Percentage Change in Final Demand	Current value	Updated Value	Percentage Change	
A	Agriculture	2892.7	<input type="text"/>	<input type="text"/>	Value added, mil Gel	43136.6	43136.6	0%
B	Mining and quarrying	1220.3	<input type="text"/>	<input type="text"/>	Output, mil Gel	73094.7	73094.7	0%
C	Manufacturing	10688.5	<input type="text"/>	<input type="text"/>	Employment, person	1687135.8	1687135.8	0%
D	Electricity	525.3	<input type="text"/>	<input type="text"/>	Import, mil Gel	9530.5	9530.5	0%
E	Water supply; sewerage	294.7	<input type="text"/>	<input type="text"/>	Gross capital formation, mil Gel	11026.8	11026.8	0%
F	Construction	7850.4	<input type="text"/>	<input type="text"/>	Compensation of employees, mil Gel;	15709.2	15709.2	0%
G	Trade	6046.1	<input type="text"/>	<input type="text"/>				
H	Transport	3084.3	<input type="text"/>	<input type="text"/>				
I	Hotels and restaurants	1804	<input type="text"/>	<input type="text"/>				



Thank you for your attention!

National Statistics Office of Georgia

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Reliable Data for Right Decisions!