



Satellite Extensions for Supply and Use Tables

UNSD
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- Harmonized Supply and Use Table
- Firm Heterogeneity: SUT extensions through SBR
- SUT extensions – examples
 - Symmetric Input Output tables
 - Multi country SUT
 - Satellite account for Global Value chains
 - based Handbook on Accounting for Global Value Chains (GVCs)
 - System of Environmental Economic Accounting
 - based on SEEA central framework 2012 and SEEA experimental ecosystem accounts 2012
 - Tourism Satellite Account (TSA)
 - based on TSA: Recommended Methodological Framework 2008



Harmonized Supply and Use Table



Harmonized SUT structure by activities/industries and products

United Nations Statistics Division

Supply table

Products \ Industries	Industries				Imports	Total
	Agriculture, forestry, etc.	Mining and quarrying	...	Services		
Agriculture, forestry, etc. Ores and minerals; etc. ... Services	Output by product by industry				Imports by product	Total supply by product
Total	Total Output by Industry				Total imports	Total supply

Use table

Products \ Industries	Industries				Final uses			Total
	Agriculture, forestry, etc.	Mining and quarrying	...	Services	Final consumption	Gross capital formation	Exports	
Agriculture, forestry, etc. Ores and minerals; etc. ... Services	Intermediate consumption by product and by industry				Final uses by product and by category			Total use by product
Value added	Value added by component and by industry							Value added
Total	Total Output by industry				Total final uses by category			

Empty cells by definition



Harmonized Import and Domestic Use Tables

United Nations Statistics Division

Import Use table

Products \ Industries	Industries					Final uses				Total use at basic prices
	Agriculture	Manufacturing	...	Services	Total	Final Consumption	Gross capital formation	Exports	Total	
Agriculture	Imported products for intermediate consumption at CIF values				Total imported products for intermediate consumption	Imported products for final uses at CIF values			Total imported products for final uses	Imported total use
Manufacturing										
...										
Other Services										
Total	Intermediate consumption by Industry				Total final uses by category					

Domestic Use table

Products \ Industries	Industries					Final uses				Total use at basic prices
	Agriculture	Manufacturing	...	Services	Total	Final Consumption	Gross capital formation	Exports	Total	
Agriculture	Domestic products for intermediate consumption at basic prices					Domestic products for final uses at basic prices			Total use by product	
Manufacturing										
Other Services										
Total at basic prices	Domestic intermediate inputs at basic prices					Final uses at basic prices				
Imports, CIF	Total imported products for intermediate consumption					Total imported products for final uses				
Taxes less subsidies on products	Net taxes on products for intermediate consumption					Net taxes on products for final use				
Total at purchasers' prices	Intermediate inputs at purchasers' prices					Final uses at purchasers' prices				
GVA	Total value added by industry									
Total Inputs at basic prices	Total input by industry									



Firm heterogeneity: SUT extensions through SBR



Firm heterogeneity in SUT by type of enterprises

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Separate **sheets** for SUT for different type of firms in SUT compilation:

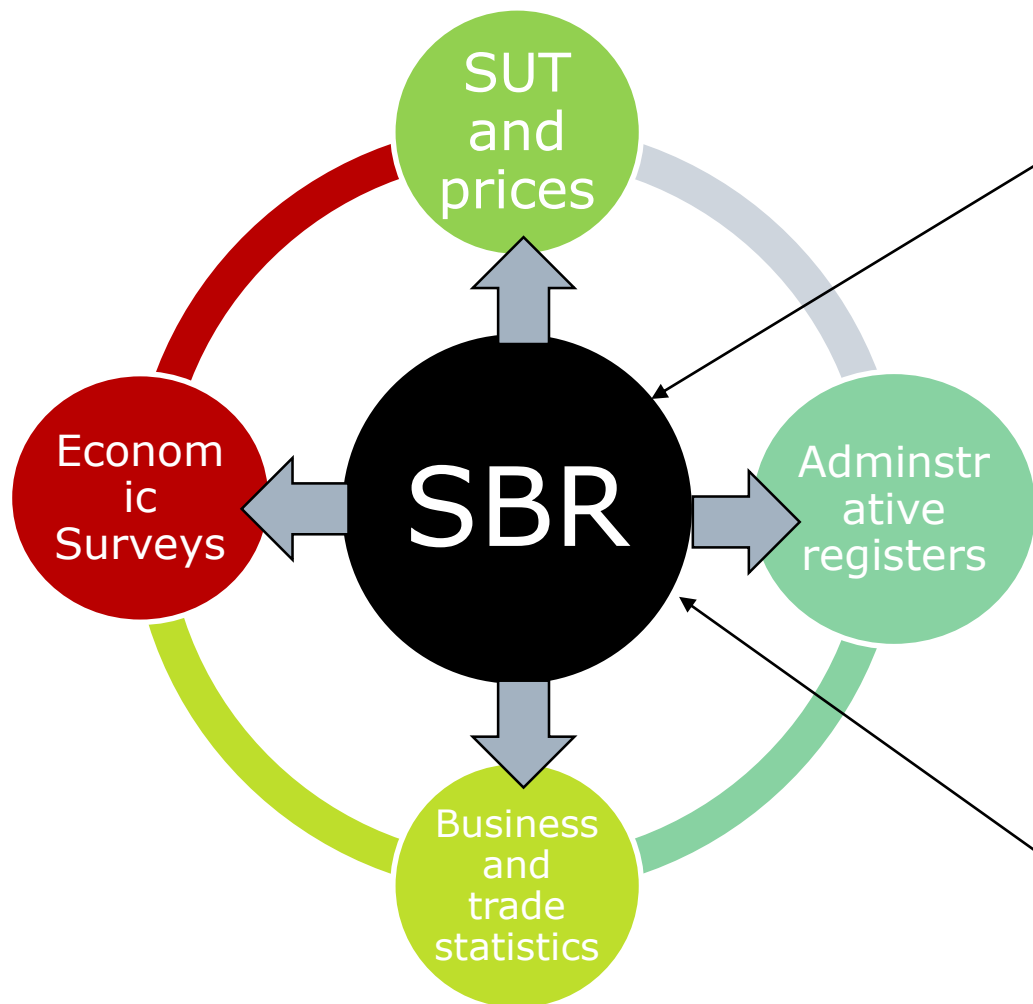
- by size: large, medium and small and household enterprises,
- by ownership/control: domestic (public and private sector) owned/controlled and foreign owned/controlled
- by trading status: trading (exports/imports) and non-trading enterprises
- by business function: domestic and international sourcing
- by other features: tourism related, water related, energy related, etc.

Products \ Industries	Industries	Industries			Imports	Total	Sheet 1: by size
	Agriculture, forestry, etc.	Mining and quarrying	...	Services			
Products \ Industries	Industries	Industries			Imports	Total	Sheet 2: by trading status
	Agriculture, forestry, etc.	Mining and quarrying	...	Services			
Products \ Industries	Industries	Industries			Imports	Total	Sheet 3: by business function
	Agriculture, forestry, etc.	Mining and quarrying	...	Services			
Products \ Industries	Industries	Industries			Imports	Total	Sheet 4: by others
	Agriculture, forestry, etc.	Mining and quarrying	...	Services			
Agriculture, forestry, etc.	Output by product by industry				Imports by product	Total supply by product	
Ores and minerals; etc.							
...							
Services							
Total	Total Output by Industry				Total imports	Total supply	



Profiling in Statistical Business Register (SBR)

United Nations Statistics Division



Enterprise characteristics:
by ID, location and YoE
by activity and inst. sector
by size
by trading status
by ownership
by business function
by satellite – GVC, TSA,
SEEA, non-profit (NPI), etc.

Sources:
from tax records
from company registers
from customs declarations
from economic census/surveys
from electricity/water agencies



SUT – enterprise type embedded by industry to obtain more homogenous SUT frame

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Foreign Owned						Domestically owned MNE						Domestic Owned																													
With high Export orientation 'Exporters'			With low Export orientation 'Non-Exporters'			With high Export orientation 'Exporters'			With low Export orientation 'Non-Exporters'			With high Export orientation 'Exporters'			With low Export orientation 'Non-Exporters'																										
Low import orientation		High import orientation		Low import orientation		High import orientation		Low import orientation		High import orientation		Low import orientation		High import orientation		Low import orientation		High import orientation																							
S	M	L	S	M	L	S	M	L	S	M	L	S	M	L	S	M	L	S	M	L	S	M	L	S	M	L	S	M	L	S	M	L	S	M	L	S	M	L	S	M	L



SUT extension: Symmetric Input-Output Table



Harmonized Symmetric Input-Output Table

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Integrated Supply and Use framework

	Domestic products	Industries	Final use	Total
Domestic products		U_d	Y_d	x
Imported products		U_m	Y_m	m
Industries	V			g
Gross value added		W		w
Total	x^T	g^T	y	

Input-Output Table - product by product

	Products	Final use	Use
Domestic products	S_d	Y_d	x
Imported products	S_m	Y_m	m
Gross value added	E		w
Output	x^T	y	

Input-Output Table - industry by industry

	Industries	Final use	Output
Domestic industries	B_d	F_d	g
Imports from industries	B_m	F_m	m
Gross value added	W		w
Output	g^T	y	

Through a series of transformations, such as:

Model A: Product by Product IOTs based on product technology assumption

Each product is produced in its own specific way, irrespective of the industry where it is produced.

$$T = (D^T)^{-1}$$

$$S_d = U_d T$$

$$S_m = U_m T$$

$$E = W T$$

$$Y_d = Y_d$$

$$Y_m = Y_m$$

Transformation matrix

Domestic intermediates

Imported intermediates

Gross value added

Final use of domestic products

Final use of imported products



SUT extension: Multi country SUT



Multi-country SUTs based on Harmonized national SUT

United Nations Statistics Division

		Country A	Country B	Country C	Country A	Country B	Country C	Ctry A	Ctry B	Ctry C	Export to ROW + discrepancies	Total use (bp)	Total output (bp)
		Product	Product	Product	Industry	Industry	Industry	Final use	Final use	Final use			
Country A	Product	[Grey shaded area]			[Grey shaded area]			[Grey shaded area]			[Grey shaded area]		
Country B	Product												
Country C	Product												
Country A	Industry	[Grey shaded area]			[Grey shaded area]			[Grey shaded area]			[Grey shaded area]		
Country B	Industry	[Grey shaded area]			[Grey shaded area]			[Grey shaded area]			[Grey shaded area]		
Country C	Industry	[Grey shaded area]			[Grey shaded area]			[Grey shaded area]			[Grey shaded area]		
Total supply (bp)		[Light blue shaded area]			[Light blue shaded area]			[Light blue shaded area]			[Light blue shaded area]		
* Net TOP payable to foreign governments		[Light blue shaded area]			[Light blue shaded area]			[Light blue shaded area]			[Light blue shaded area]		
International freight and insurance costs		[Light blue shaded area]			[Light blue shaded area]			[Light blue shaded area]			[Light blue shaded area]		
Import from Rest of the World (cif)		[Light blue shaded area]			[Light blue shaded area]			[Light blue shaded area]			[Light blue shaded area]		
Net taxes on products		[Light blue shaded area]			[Light blue shaded area]			[Light blue shaded area]			[Light blue shaded area]		
Trade and transport margins		[Light blue shaded area]			[Light blue shaded area]			[Light blue shaded area]			[Light blue shaded area]		
Import from all countries (cif)		[Light blue shaded area]			[Light blue shaded area]			[Light blue shaded area]			[Light blue shaded area]		
Total supply (pp)		[Light blue shaded area]			[Light blue shaded area]			[Light blue shaded area]			[Light blue shaded area]		
Gross value-added (bp)		[Light blue shaded area]			[Light blue shaded area]			[Light blue shaded area]			[Light blue shaded area]		
Total input (bp)		[Light blue shaded area]			[Light blue shaded area]			[Light blue shaded area]			[Light blue shaded area]		

* Except to those of Rest of the World

Country A

		Products				Industry				Final uses			
		AGR	MAN	CON	:	AGR	MAN	CON	:	Final cop.	GDP	Exports	Total
Products	AGR	[Grey shaded area]				[Grey shaded area]				[Grey shaded area]			
	MAN	[Grey shaded area]				[Grey shaded area]				[Grey shaded area]			
	CON	[Grey shaded area]				[Grey shaded area]				[Grey shaded area]			
	:	[Grey shaded area]				[Grey shaded area]				[Grey shaded area]			
Industries	AGR	[Grey shaded area]				[Grey shaded area]				[Grey shaded area]			
	MAN	[Grey shaded area]				[Grey shaded area]				[Grey shaded area]			
	CON	[Grey shaded area]				[Grey shaded area]				[Grey shaded area]			
	:	[Grey shaded area]				[Grey shaded area]				[Grey shaded area]			
Imports		[Grey shaded area]				[Grey shaded area]				[Grey shaded area]			
GVA		[Grey shaded area]				[Grey shaded area]				[Grey shaded area]			
Total		[Grey shaded area]				[Grey shaded area]				[Grey shaded area]			



SUT extension: System of Environmental Economic Accounting (SEEA) Satellite



Environmental accounts - Physical SUTs

United Nations Statistics Division

Simplified structure of the physical supply table

	Industries	Industries				Imports	Final consumption	Gross capital formation/Accumulation	Environment	Total
		Agriculture	Manufacturing	...	Services					
Natural inputs	Mineral and energy resources Water ...								Flows from the environment	Total supply by natural inputs
Products	Agriculture, forestry, etc. Ores and minerals; etc. ... Services	Output by product by Industry				Imports by product				Total supply by product
Residuals	Solid waste Wastewater ...	Residuals generated by Industry				Residuals received from the RoW	Residuals generated by final consumption	Residuals from scrapping and ...	Residuals recovered from the environment	Total supply by residuals
Total Supply										

Simplified structure of the physical use table

	Industries	Industries				Exports	Final consumption	Gross capital formation/Accumulation	Environment	Total
		Agriculture	Manufacturing	...	Services					
Natural inputs	Mineral and energy resources Water ...	Extraction of Natural inputs								Total use by natural inputs
Products	Agriculture, forestry, etc. Ores and minerals; etc. ... Services	Intermediate consumption by product and by Industry				Exports by product	Final consumption by product and by category	Gross capital formation/Accumulation		Total use by product
Residuals	Solid waste Wastewater ...	Collection and treatment of waste and other residuals				Residuals sent to RoW		Accumulation of waste in controlled landfilled	Residual flows direct to the environment	Total use by residuals
Total Use										

Empty by definition

Blank cells may contain relevant flows



Core Account 1: Physical Supply and Use Table for energy

PHYSICAL SUPPLY TABLE (unit:PJ)	Production (incl. household own account) & generation of residuals							Accumulation	Flows from the rest of the World (Imports)	Flows from the environment	TOTAL	
	Industries (by ISIC)											Households
	Agriculture, Forestry & Fishery	Mining & Quarrying	Manufacturing	Electricity, gas, steam & air conditioning supply	Transportation & Storage	Other Industries	Total Industry					
	(ISIC A)	(ISIC B)	(ISIC C)	(ISIC D)	(ISIC H)							
1. Energy from natural inputs:												
Natural resource inputs											1166	1166
Inputs of energy from renewable sources											124	124
Other natural inputs											2	2
2. Energy Products:												
<i>Production of energy products by SIEC class:</i>												
Coal										225		225
Peat and peat products												
Oil shale / oil sands												
Natural gas		395		369			764					764
Oil		721	347				1068		930			1998
Biofuels	5			2			7					7
Waste	39		55				94		17			111
Electricity				212			212		22			234
Heat				79			79					79
Nuclear fuels and other fuels												
3. Energy Residuals:												
Total energy residuals	50	48	432	307	632	96	1565	240				1805
4. Other Residual Flows:												
Residuals from end-use for non-energy purposes			51									51
Energy from solid waste								94				94
5. TOTAL SUPPLY												
	94	1164	885	969	632	96	3840	240	94	1194	1292	6660

https://seea.un.org/sites/seea.un.org/files/seea_technical_notes_energy_april_2017_draft.pdf



Core Account 1: Physical Supply and Use Table for water

PHYSICAL SUPPLY TABLE	Industries (by ISIC)							Households	Flows from the Rest of the World (Imports)	Flows from the Environment	TOTAL SUPPLY	
	Agriculture, Forestry & Fishery	Mining and Quarrying	Manufacturing	Electricity, gas, steam & air conditioning supply	Water collection, treatment & supply	Sewerage	Other Industries					Total Industry
	(ISIC A)	(ISIC B)	(ISIC C)	(ISIC D)	(ISIC 36)	(ISIC 37)						
1. Sources of Abstracted Water:												
Inland Water Resources											967	967
of which: Surface water											441	441
of which: Groundwater											476	476
Other Water Sources											202	202
TOTAL SUPPLY ABSTRACTED WATER											1 169	1 169
2. Water:												
For distribution	0	0	0	0	378	0	0	378		0		378
For own use	108	34	80	404	14	100	2	743				743
3. Wastewater and reused water:												
Wastewater to treatment	18	35	82	6	1	0	49	191	236			427
Own treatment of wastewater	0	0	0	0	0	0	0	0	0			0
Reused water produced (for distribution)	0	3	7	0	0	43	0	53	0			53
TOTAL WASTEWATER AND REUSED WATER	18	38	89	6	1	43	49	244	236			479
4. Return flows of water:												
To inland water resources	65	7	16	300	47	228	1	664	5			668
To other sources	0	2	5	100	0	256	0	363	0			363
TOTAL RETURN FLOWS	65	9	21	400	47	484	1	1 026	5			1 031
of which: losses in distribution	0	0	0	0	47	0	0	47	0			47
5. Evaporation of abstracted water, transpiration and water incorporated into products:												
TOTAL WATER EVAPORATED, TRANSPIRED AND INCORPORATED INTO PRODUCTS	76	13	30	3	2	1	4	128	10			138
6. TOTAL SUPPLY												
	268	94	220	812	443	627	56	2 520	250	0	1 169	3 939

https://seea.un.org/sites/seea.un.org/files/water_note_final_27-10-17_clean_0.pdf



SUT extension: Global Value Chain (GVC) Satellite



- In order to develop a satellite account for a GVC, we have to elaborate in SNA concepts and classifications the following:
 - Type of GVC (e.g. automotive, textiles, electronics, oil and gas, etc.)
 - GVC relevant geographical boundary (e.g. what are the main partners in the specific GVC)
 - GVC governance (e.g. identification of 'lead firms', 'affiliated firms' etc.)
 - GVC-relevant industry breakdown (e.g. mapping to ISIC)
 - GVC-relevant product breakdown (e.g. mapping to CPC)
 - GVC-relevant additional information (e.g. employment, capital, etc.)



GVC concept	BOP/IIP and FDI	National Accounts
Lead Firm	Ultimate controlling parent Classified in S11 when it concerns corporate groups	Ultimate controlling parent Classified in S11 (Head Office) when it concerns corporate groups S.11UP
Affiliated firm Affiliated firms are defined on the basis of control that the lead firm has directly or indirectly on the affiliated firm. This control derives from direct or indirect ownership and management control and is similar to the concept used in FDI.	Direct Investment Enterprise, Subsidiary (controls > 50% of share votes)	Foreign Controlled Non-Financial Corporation S.11FC
Non-affiliated firm Non-affiliated firms are defined as being closely (if not uniquely) devoted to the production of goods and services needed in the GVC. They are not owned or controlled directly or indirectly by the lead firm. In order to identify non-affiliated firms a criterion is needed to define the close relationship to the production in a GVC, such as the share of output provided to a single GVC.	Direct Investment Enterprise Associate (influences 10% < <50% of share votes)	Foreign Associate Non-Financial Corporation S.11FA
	Other enterprises No influence < 10% of share vote. Unrelated firms are enterprises that fall outside any FDI relationship, either as investor or as investment enterprise.	Nationally Controlled Non-Financial Corporation S.11NA
Dedicated Financial Institution	Foreign Controlled Captive Financial Institution These are direct investment enterprises that are foreign controlled, e.g. subsidiaries.	Foreign Controlled Captive Financial Institution S.127FC



- GVCs are characterized by a sequence of business production processes that bring a product to its final consumers from its conception.
- **Business functions** are the activities carried out by an enterprise; they can be divided into **core functions** and **support functions**

Core business functions are activities of an enterprise yielding income: the production of final goods or services intended for the market or for third parties.

Support business functions are supporting activities carried out by the enterprise in order to permit or to facilitate the core business functions, its production activity.

- distribution and logistics
- marketing, sales and after-sales services
- information and communication technology (ICT) services
- administrative and management functions
- engineering and related technical services
- research & development (R&D)

Need correspondence to ISIC



Mapping business functions to ISIC for the automotive GVC

United Nations Statistics Division

Core Business function	ISIC Rev.4 code
Production of automotive	ISIC 291- Manufacture of motor vehicles
Support Business function	ISIC Rev.4 code
Distribution and logistics: Transportation activities, warehousing and order processing.	ISIC H - Transportation and storage ISIC 49 - Land transport and transport via pipelines ISIC 50 - Water transport ISIC 51 - Air transport ISIC 52 - Warehousing and support activities for transportation ISIC 53 - Postal and courier activities
Marketing, sales and after-sales services: market research, advertising, direct marketing services (telemarketing), exhibitions, fairs and other marketing or sales services; also included are call-centre services and after-sales services such as help-desks and other customer support services.	ISIC 73 - Advertising and market research
Information and communication technology (ICT) services: information technology (IT) services and telecommunication (IT services including hardware and software consultancy, customised software data processing and database services, maintenance and repair, web-hosting, as well as other computer-related and information services, but excluding packaged software and hardware).	ISIC 62 - Computer programming, consultancy and related activities ISIC 63 - Information service activities
Administrative and management functions: legal services, accounting, book-keeping and auditing, business management and consultancy, human resources (HR) management (e.g. training and education, staff recruitment, provision of temporary personnel, payroll management as well as health and medical services), corporate financial and insurance services; also included are procurement functions.	ISIC 70 - Activities of head offices; management consultancy activities ISIC 69 - Legal and accounting activities
Engineering and related technical services: engineering and related technical consultancy, technical testing, analysis and certification; also included are design services.	ISIC 71 - Architectural and engineering activities; technical testing and analysis
Research & development (R & D): research and experimental development.	ISIC 72 - Scientific research and development



- GVC products are those products (goods and services) that are inputs into the production process.
- The product mapping depends on the specific GVC:
the product mapping for the GVC for automotive is very different than the product mapping for the GVC for textiles or electronics.



Mapping of products to HS/CPC for the automotive GVC

United Nations Statistics Division

VC Stage/ Subassembly	HS Codes (2002)	HS Code Descriptions	VC Sector
Passenger vehicles	870321 870322 870323 870324 870331 870332 870333	870321, 870322, 870323, 870324: Other vehicles, with spark-ignition internal combustion reciprocating piston engine <1000cc, 1000 – 1500cc, 1500 – 3000cc, > 3000cc 87033: Other vehicles, with compression-ignition internal combustion piston engine (diesel or semi-diesel) <1500cc, 1500 – 2500cc, >2500cc	--
Body system	870600	8706: Chassis fitted with engines, for the motor vehicles of headings 87.01-87.05	Chassis
Drive train	840733 840734 840820	Reciprocating piston engines used for the propulsion of vehicles of Chapter 87; of a cylinder capacity: > 250 cc ≤ 1,000 cc > 1,000 cc Compression-ignition internal combustion piston engines (diesel or semi-diesel engines); of a kind used for the propulsion of vehicles of Chapter 87	Engine
Body system (suspension)	401110 401211 870831+ 870839+ 870870 870880 870894	401110: New pneumatic tires, of rubber; of a kind used on motor cars 401211: Retreaded tires; of a kind used on motor cars (including station wagons and racing cars) 870831+ Brakes and servo-brakes and parts thereof; 870831: Mounted brake linings 870839: Other 870870: Road wheels and parts and accessories thereof 870880: Suspension systems and parts (incl. shock absorbers) 870894: Steering wheels, columns and boxes	Tires Brakes^ Wheels Suspension systems and parts (incl. shock absorbers) Steering wheel



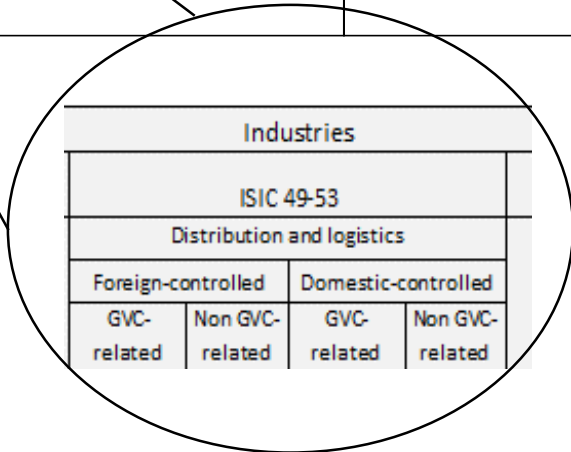
Business functions explicitly identified in SUTs

Supply Table at basic prices

		Industries										Imports				Total supply at basic prices	
		ISIC 1	...	ISIC 291	ISIC 49-53	ISIC 73	ISIC 62-63	ISIC 69-70	ISIC 71	ISIC 72	...	Output	Total	from Country B	from Country C		from RoW
		(1)	(2)	(3)	(4)	(5)	(6)	(7)	(8)	(9)	(10)	(11)	(12)	(13)	(14)		(15)
...	(1)																
...	(2)																
CPC 837 Market research etc.	(3)																
...	(4)																
CPC 4911 - Motor vehicles	(5)																
...	(6)																
...	(7)																
...	(8)																
	(9)																
	(10)																
Adjustm	(11)																
	(12)																

Trade between GVC-countries explicitly identified in SUTs

GVC-relevant products explicitly identified in SUTs





Use Table at basic prices

	Industries											FINAL USE						Total use	
	ISIC 1	...	ISIC 291 Manufacture of motor vehicles	ISIC 49-53 Distribution and logistics	ISIC 73 Marketing, sales and after-sale services	ISIC 62-63 ICT services	ISIC 69-70 Administration and management functions	ISIC 71 Engineering and related technical services	ISIC 72 Research and development	...	Output	Final consumption expenditure	Gross capital formation	Exports					Total
														Total	to Country B	to Country C	to RoW		
(1)	(2)	(3)	(4)	(5)	(6)	(7)	(8)	(9)	(10)	(11)	(12)	(13)	(14)	(15)	(16)	(17)	(18)	(19)	
PRODUCTS (1) (2)	CPC 837 Market reseach etc. (3)	... (4)	CPC 4911 - Motor vehicles (5)	... (6)	... (7)	... (8)											
	Total (9)																		
Adjustm	(10)																		
	Direct purchases abroad by res (11)																		
	Total (12)																		
GVA	Compensation of employees (13)																		
	Other taxes less subsidies on production (14)																		
	Consumption of fixed capital (15)																		
	Net operating surplus/net mixed income (16)																		
	Gross operating surplus/gross mixed income (17)																		
	GVA (18)																		
	Total input at basic prices (19)																		

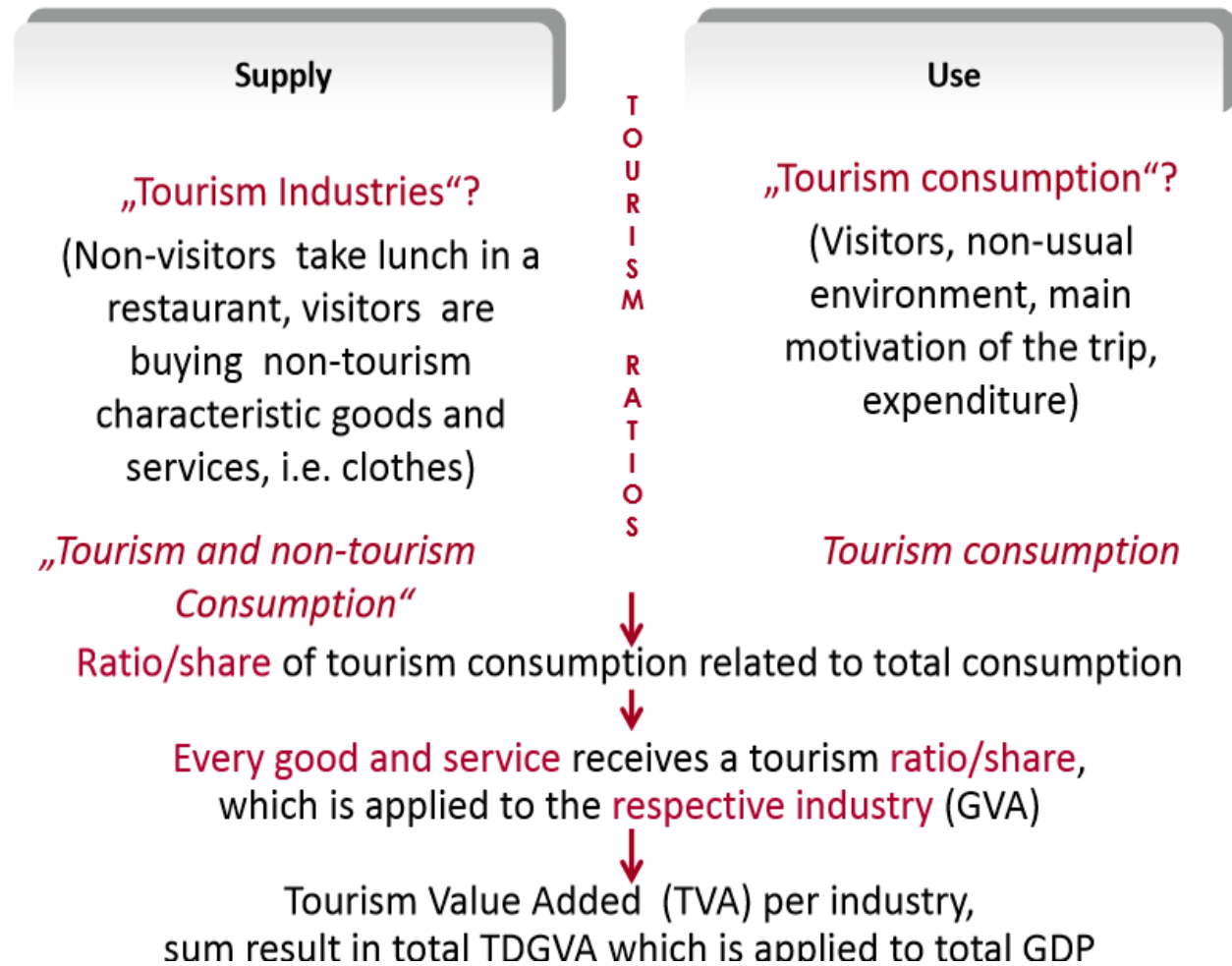
	Industries										
	(1)	(2)	(3)	(4)	(5)	(6)	(7)	(8)	(9)	(10)	(11)
Gross capital formation by asset type (1)											
Capital stock by asset type (2)											
Labour by relevant breakdown (3)											
TEC Indicators (??) (4)											
number of enterprises (5)											
size enterprises by size class (6)											



SUT extension: Tourism Satellite Account



Integration of Supply and Use





- Elaboration of the products

- (1) Tourism characteristic products:**

- Internationally comparable tourism characteristic products**

- Accommodation services for visitors
 - Accommodation services other than vacation homes
 - Vacation homes
 - Food and beverage serving services
 - Railway passenger transport services
 - Road passenger transport services
 - Water passenger transport services (coastal and inland)
 - Air passenger transport services
 - Transport equipment rental services
 - Travel agencies and other services (margin only)
 - Cultural services (theater, museums, etc.)
 - Sports and recreational services (entry fees to sport events, casino, etc.)

- Country-specific tourism characteristic products**

- Country-specific tourism characteristic goods
 - Country-specific tourism characteristic services

- (2) Other consumption products (tourism connected and non-tourism related)**

- (3) Valuables (purchases exceeding the custom's threshold within merchandise trade)**



Total Supply and Internal Tourism Consumption by Products

Goods and services	Tourism-characteristic industries				Other industries	Total output of domestic producers	+ Imports	+ Taxes less Subsidies	Total output of domestic producers	: Internal tourism consumption (TSA-Table 4)	Tourism ratio
	1	...	12	Σ							
Tourism characteristic goods and services											
Other consumption goods and services											
Valuables											
Output											
Intermediate consumption											
Gross Value Added (GVA)											
Gross Value Added (GVA) of Tourism											Σ

Basic/producers prices						Purchasers prices					
------------------------	--	--	--	--	--	-------------------	--	--	--	--	--

= Gross Valued Added (GVA)
*
Tourism ratio



Tourism Satellite Accounts: Table 6

United Nations Statistics Division

Products	TOURISM INDUSTRIES												Other industries		Output of domestic producers (at basic prices)		Imports*		Taxes less subsidies on products reworked and imported		Trade and transport margins		Domestic supply (at purchasers' prices)	Internal tourism consumption	Tourism ratio (%)
	1 - Accommodation & visitors		1-a. accommodation services for visitors except in 1-b		1-b. accommodation services associated with all types of tourism except home ownership		---		12 - Country-specific tourism industries		TOTAL														
	output (S.1)	tourism share (S.1a)	output (S.1a)	tourism share (S.1a)	output (S.1b)	tourism share (S.1b)	output (S.1c)	tourism share (S.1c)	output (S.1d)	tourism share (S.1d)	output (S.1e)	tourism share (S.1e)	output (S.1f)	tourism share (S.1f)	output (S.1g)	tourism share (S.1g)	output (S.1h)	tourism share (S.1h)	output (S.1i)	tourism share (S.1i)	output (S.1j)	tourism share (S.1j)	(S.1k) = (S.1l) + (S.1m) + (S.1n) + (S.1o)	(S.1p) = (S.1q) x 100 / (S.1r)	
A. Consumption products (*)																									
A.1 Tourism characteristic products (†)																									
1 - Accommodation services for visitors																									
1a - Accommodation services for visitors other than 1b																									
1b - Accommodation services associated with all types of vacation home ownership																									
2 - Food and beverage serving services																									
3 - Railway passenger transport services																									
4 - Road passenger transport services																									
5 - Water passenger transport services																									
6 - Air passenger transport services																									
7 - Transport equipment rental services																									
8 - Travel agencies and other reservation services																									
9 - Cultural services																									
10 - Sports and recreational services																									
11 - Country-specific tourism characteristic goods		X		X		X		X		X		X		X		X		X		X		X			
12 - Country-specific tourism characteristic services																									
A.2 Other consumption products (s)(d)																									
B. Non-consumption products (d)																									
B.1 Variables		X		X		X		X		X		X		X		X		X		X		X			
B.2 Other non-consumption products (*) (b)(d)																									
I. TOTAL OUTPUT (at basic prices)																									
II. TOTAL INTERMEDIATE CONSUMPTION (at purchasers' prices) (c)																									
(I - II) TOTAL GROSS VALUE ADDED (at basic prices)																									
Compensation of employees																									
Overseas less subsidies on production																									
Gross mixed income																									
Gross operating surplus																									

X: does not apply

*** Means that all tourism industries of the proposed list have to be considered one by one in the enumeration

* Imports excludes direct purchase of residents abroad

(*) The value of A. Consumption products, is net of the gross service charge paid to travel agencies, tour operators and other reservation services.

(†) Includes all other goods and services that contribute to the economy of reference.

(s) If relevant and feasible, countries should separately identify both components ("Tourism characteristic products" and "Non-tourism related consumption products"). In both cases, goods and services should be separately identified, if possible (see para. 4.15).

(c) Goods and services should be separately identified, if possible (see para. 4.16).

(d) Breakdown should be provided, if possible (see para. 4.17).

(e) For goods, the tourism share is to be established on the retail trade margin only (see Annex 4)