



Chapter 5: Extended Environmental-Economic Accounts

Ivo Havinga
United Nations Statistics Division

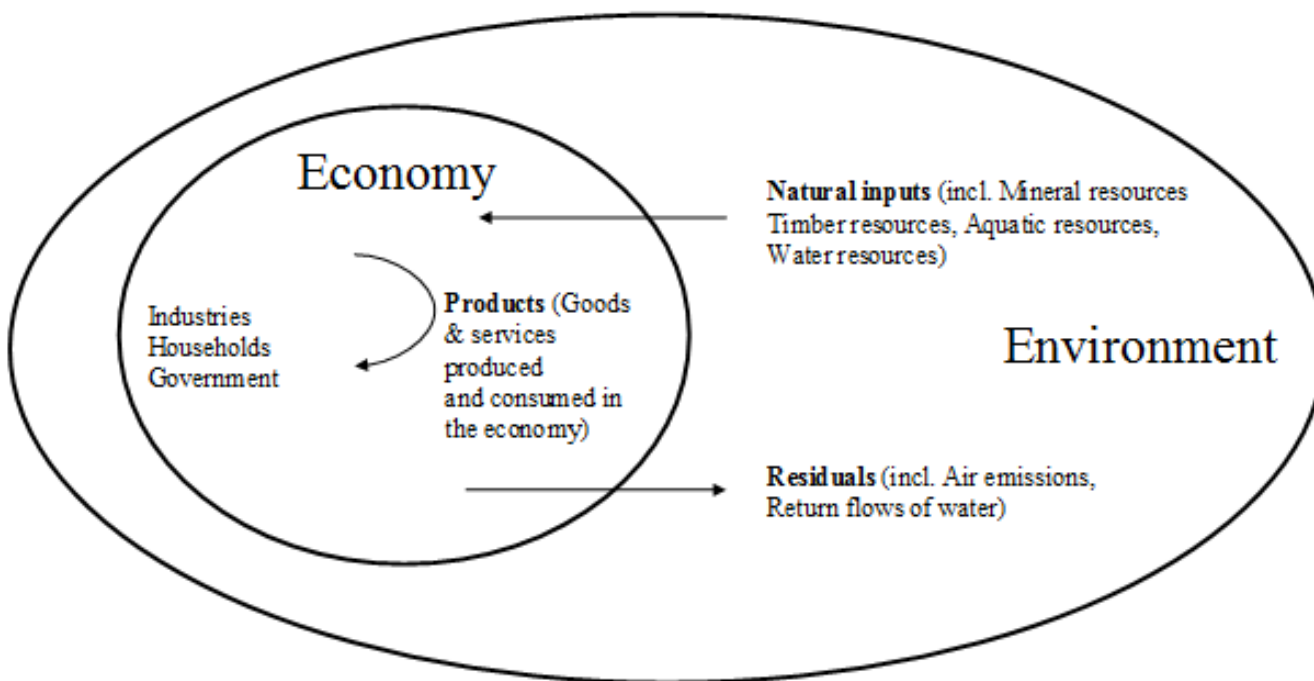
Seminar on Accounting for Global Value Chains
6-8 June 2017
Luxembourg



National Physical Supply and Use Tables

United Nations Statistics Division

Figure 5.1 Physical flows of natural inputs, products and residuals





Physical Supply Table

United Nations Statistics Division

Table 5.1 General Physical Supply and Use Table¹

Simplified structure of the physical supply table

Industries		Industries				Imports	Final consumption	Gross capital formation/Accumulation	Environment	Total
		Agriculture, forestry, etc.	Mining and quarrying	...	Services					
Natural inputs	Mineral and energy resources								Flows from the environment (A)	Total supply by natural inputs (TSNI)
	Water									
	...									
Products	Agriculture, forestry, etc.	Output by product by Industry (C)				Imports by product (D)				Total supply by product (TSP)
	Ores and minerals; etc.									
	Services									
Total (for products)		Total Output by Industry				Total imports				
Residuals	Solid waste	Residuals generated by Industry (I)				Residuals received from the Rest of the World (L)	Residuals generated by final consumption (J)	Residuals from scrapping and demolition of produced assets and emissions from controlled landfill sites (K)	Residuals recovered from the environment (M)	Total supply by residuals (TSR)
	Wastewater									
	...									
Total Supply										

Empty by definition

Blank cells may contain relevant flows



Physical Use Table

Simplified structure of the physical use table

Industries		Industries				Exports	Final consumption	Gross capital formation/Accumulation	Environment	Total
		Agriculture, forestry, etc.	Mining and quarrying	...	Services					
Natural inputs	Mineral and energy resources	Extraction of Natural inputs (B)								Total use by natural inputs (TUNI)
	Water									
Products	...									
	Agriculture, forestry, etc.	Intermediate consumption by product and by Industry (E)				Exports by product (H)	Final consumption by product and by category (F)	Gross capital formation/Accumulation (G)		Total use by product (TUP)
	Ores and minerals; etc.									
Services										
Value added		Value added by component and by industry							Value added	
Total for products		Total Output by Industry				Total final uses by category				
Residuals	Solid waste	Collection and treatment of waste and other residuals (N)				Residuals sent to the Rest of the World (P)		Accumulation of waste in controlled landfilled (O)	Residual flows direct to the environment (Q)	Total use by residuals (TUR)
	Wastewater									
...	...									
Total Use										

Empty by definition

Blank cells may contain relevant flows



- **Global Multi-Country PSUTs**
- **Compilation of Global Multi-Country PSUTs**
- **GVC specific Multi-Partner Country PSUTs**
- **Compilation of GVC specific Multi-Partner Country PSUTs**



Thank you!