



System of
Environmental
Economic
Accounting

Toward the UN Handbook on Supply and Use Tables and Input-Output Tables

United Nations Statistics Division

21st Meeting of the London Group on Environmental Accounting

2-4 November 2015



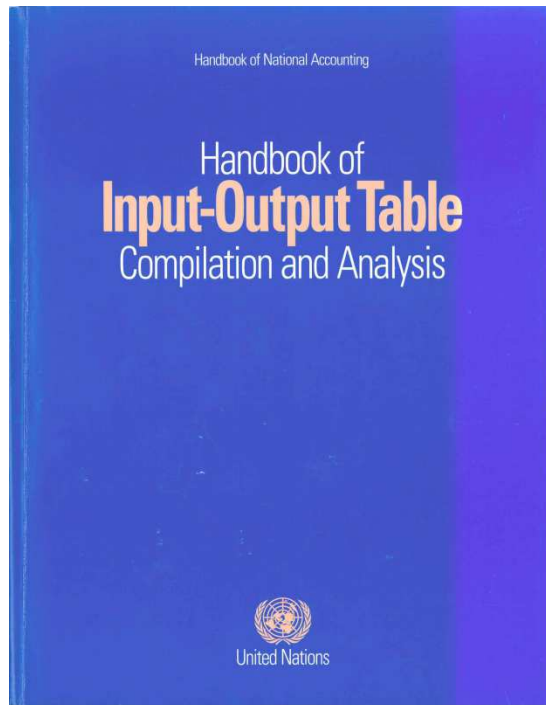
United Nations

Overview

1. **Background**
2. **Preparation process**
3. **Glance at the Handbook outline**
4. **Work ahead**

Background

The UN *Handbook on Supply and Use Tables and Input-Output Tables* (title to be agreed) started as a revision of the previous UN publication:



Handbook on Input-Output Table
Compilation and Analysis (1999)

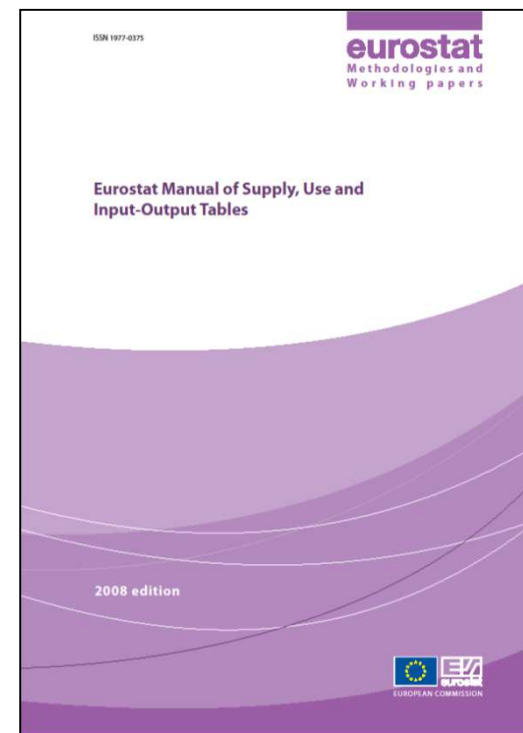
Major drivers for the revision

The Handbook updates and expands the previous handbook in the following areas:

- > Incorporate the revised recommendations of the new international standards for macro-economic accounting and classifications like the 2008 SNA, BPM-6, ISIC Rev. 4, etc.
- > Focus on practical compilation guidance rather than a more theoretical elaboration of the methodology.
- > Address issues related to the use of SUT for producing quarterly national accounts.
- > Extend the scope to include the environmental dimension in line with the SEEA-2012
- > Address compilation issues of countries with a less developed statistical system.

The revision builds on existing material

In particular, the *Eurostat Manual of Supply, Use and Input-Output Tables 2008* served as a starting point for the revised UN Handbook)



Preparation process

In 2013 an **Editorial Board** – composed by experts in the field - was established UNSD to guide the drafting of the revision of the UN Handbook

Editorial Board	
Isabelle Remond-Tiedrez (Eurostat)	Soren Larsen (Denmark)
José M. Rueda-Cantuche (European Commission DG Joint Research Centre)	Joerg Beutel (Germany)
Satoshi Inomata (IDE – JETRO)	Piet Verbiest (Netherlands)
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Catherine Van Rompaey (Canada)	Brian Moyer (USA)
Simon Guerrero (Chile)	UNSD
Bent Thage (Denmark)	

Editor: Mr. Sanjiv Mahajan, Office of National Statistics, UK

1st Editorial Board meeting

- Held on 26 September 2013
- Discussed progress and initial drafts of some chapters
- Discussed specific issues that were
- Agreed on the development of a (password protected) website hosted by UNSD to facilitate the discussion
- Agreed on a timeline and share of work

2nd Editorial Board meeting

- Held in New York 8-9 May 2014
- Attended by 12 EB Members, Editor and UNSD
- Objectives:
 - to review the available drafts (15 chapters)
 - to agree on specific changes
 - To agree on a the next steps

Main decisions from the 2nd EB Meeting

- Change the initial title “Handbook on Input-Output Tables” to include the words *Supply and Use tables*
 - > To reflect the prominent role of SUTs in the handbook.
- Align the structure of the Handbook more closely to the phases of the Generic Statistics Business Process Model (GSBPM)
- Give more prominence to the physical SUTs of the SEEA-CF:
 - > Integral part of the compilation and balancing of SUTs.
 - > Considerations on the linkages with the environment explicit throughout the various stages of the statistical



Main decisions from the 2nd EB Meeting

- Prepare a *primer/elementary text book* on SUTs (and IOTs) to provide an introduction and operational guide to the design, build and implementation phases of the compilation of SUTs (and their transformation in IOTs) to be used for e-learning courses on SUT compilation

- There was a discussion on whether or not the handbook could provide recommendations for a minimum dimension for the SUTs and IOTs
 - > This would be helpful to create a UN global database on SUTs and IOTs
 - > There was a general consensus that a minimum should be recommended for international reporting and comparison based on the SNA recommended minimum

Structure of the handbook

PART A: Overview

Chapter 1: Introduction

Chapter 2: Overview of the Supply and Use Tables and the Input-Output Tables framework

PART B: Designing, building, compiling and disseminating supply and use and input-output tables

Chapter 3: Business Processes and Stages of Production

Chapter 4: Design and build issues - Compilation of SUTs as an integral part of the National Accounts

Chapter 5: Compiling the Supply Table

Chapter 6: Compiling the Use Table

Chapter 7: Compiling the Valuation Matrices

Chapter 8: Compiling the Imports Use Table and Domestic Use Table

Chapter 9: Compiling Supply and Use Tables in volume terms

Chapter 10: Linking the Institutional Sector Accounts to the Supply and Use Tables

Chapter 11: Balancing Supply and Use Tables

Chapter 12: Transforming the Supply and Use Tables into Input-Output Tables

Chapter 13: Compiling Physical Supply and Use Tables and Environmentally Extended Input-Output Tables

Chapter 14: Applying Supply and Use Tables for Quarterly National Accounts

Chapter 15: Disseminating Supply, Use Tables and Input-Output Tables

PART C : Extensions and applications

Chapter 16: Regional Supply and Use Tables

Chapter 17: International Supply and Use Tables and Input-Output Tables

Chapter 18: Projecting Supply, Use and Input-Output Tables

Chapter 19: Extensions of Supply, Use and Input-Output Tables

Chapter 20: Modelling Applications of Input-Output Tables

Chapter 21: Application of the SUTs framework - Examples of rapidly changing and different compilation practices

Chapter 13: Compiling Physical Supply and Use Tables (PSUTs) and Environmentally Extended Input-Output Tables (EE-IOTs)

Objectives

- Present the structure of PSUTs and EE-IOTs based on the SEEA Central Framework
- Describe the main steps and data sources for the compilation of these tables

Chapter 13: Compiling Physical Supply and Use Tables (PSUTs) and Environmentally Extended Input-Output Tables (EE-IOTs)

Chapter outline

- A. Introduction
- B. Overview of Physical Supply and Use tables
 - 1) Accounting and balancing identities
 - 2) Principles of physical flow accounting
- C. Compilation of Physical Supply and Use table
- D. Overview of Environmentally Extended Input-Output Tables
- E. Compilation of Environmentally Extended Input-Output Tables

Chapter 13: Compiling Physical Supply and Use Tables (PSUTs) and Environmentally Extended Input-Output Tables (EE-IOTs)

Notes:

- Country examples will be included throughout the chapter . At the moment, examples of Statistics Netherlands and Statistics Denmark.
- The section on EE-IOTs will focus on:
 - > Single regional input-output (SRIO) tables
 - > Hybrid IOTs
- Reference to the multi-regional input-output (MRIO) tables will be made but not discussed in this chapter.
 - > MRIO tables may possibly expanded in Chapter 16 on



SEEA

Regional Supply and Use Tables

Way forward

- All chapters are now available for the Editorial Board.
- They are undergoing a editorial review by UNSD.
- Chapter 13 is being revised to further align it with the SEEA-2012.
- The handbook is expected to be circulated for Global Consultation in the first part of 2016.

Questions and discussion

The London Group members are invited to

- Provide feedback and comments on the aforementioned outline of Chapter 13 (Compiling PSUTs and EE-IOTs)
- Suggest the main steps and possible data sources used for the compilation of PSUTs and EE-IOTs
- Provide specific country examples on compiling PSUTs and EE-IOTs that could be included in the handbook
- Discuss if MRIO tables should fall outside the scope of this chapter (i.e. the section on EE-IOT will only cover SRIO tables and Hybrid IOTs)
- Volunteer to participate in the review process of Chapter 13



THANK YOU

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