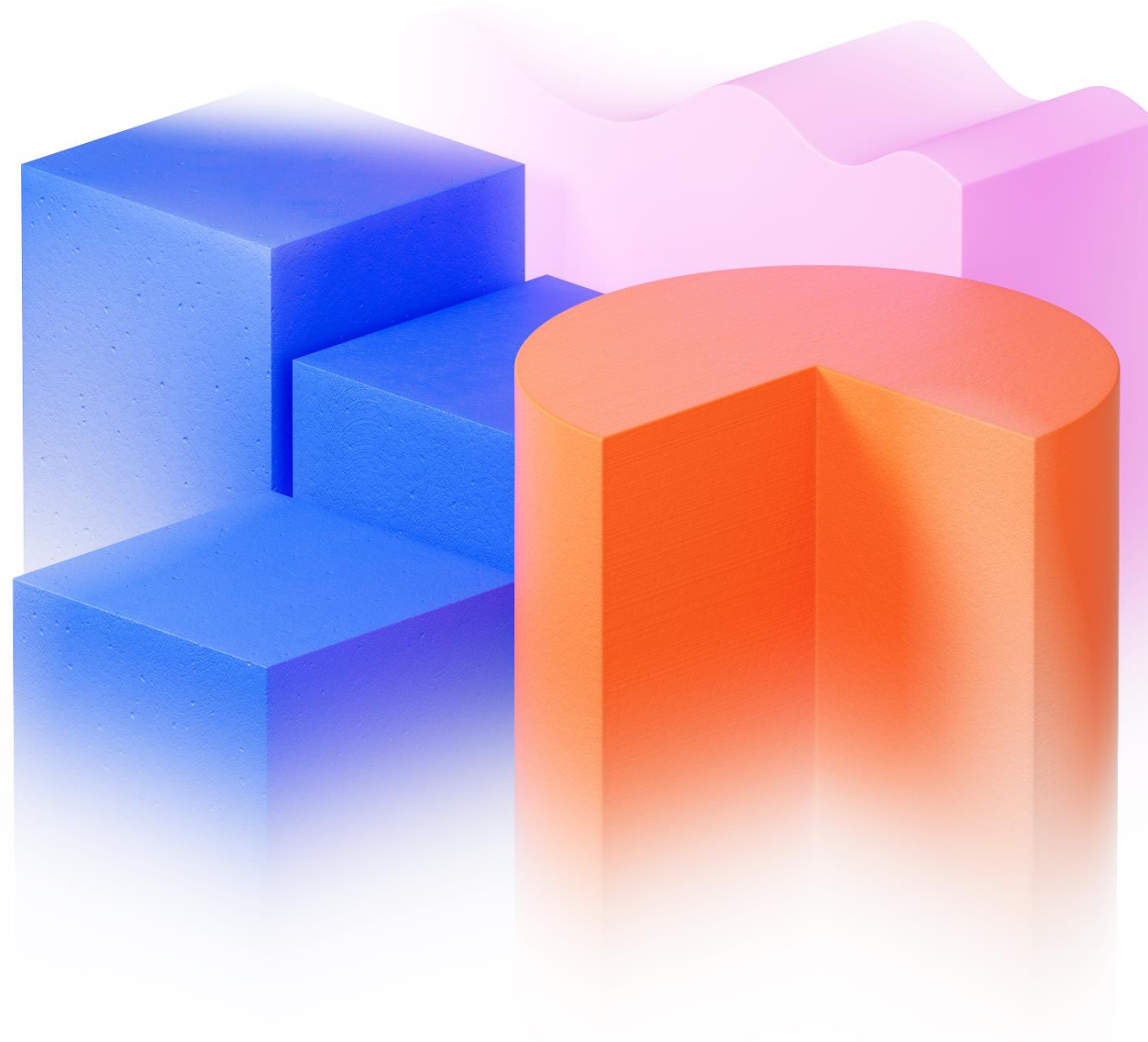


# Scoping note A3: Update of existing information on EE-IOT

Nils Brown, Statistics Sweden

Presentation to the London Group on Environmental  
Accounting

Tallinn, Estonia, September 2025



# Development and use of EE-IOTs and related analyses

- **Basic methods established in 1960s and 1970s**
- **Input data advances: EXIOBASE, GLORIA, FIGARO, ICIO, GIANT**
  - Economic data
  - Environmental data
- **Methodological advances**
  - New methods to incorporate international data for national indicators
  - OECD-supported guidance and roadmap for material footprint
- **Increasing interest in data from policy makers and other users:**
  - IMF G20 Data Gaps Initiative
  - UK long-term environmental plan
  - EU deforestation policy development
  - Environmental indicators – Swedish building and real estate sector
  - International resources panel – material footprint data
  - Regular production by several nations - France, Germany, the United Kingdom, New Zealand, Sweden, Italy and the Netherlands

# EE-IOTs in existing standards and guidelines

“The SEEA CF could incorporate, at a high level, new insights and improved descriptions on environmentally-extended input-output tables (EE-IOT) analysis, which take into account recent advances in this area (e.g. FIGARO, MRIO GLORIA, etc).”

- **IO-tables and analysis in SNA 2025:**

- Production of input-output tables and Leontief analyses (Ch. 36)
- Potential to use SEEA accounts (par. 2.86) for “footprint analysis”

- **Current treatment in SEEA:**

- “compiling and contrasting monetary and physical data in meaningful ways are at the heart of the SEEA philosophy” (Ch. 2 par. 2.86)
- Ch.6 – Integrating and presenting the accounts
- SEEA Applications and Extensions – 3.2. Environmentally extended input-output tables (EE-IOT) and 3.3. Techniques for the analysis of input-output data

- **Handbook on Supply and Use Tables and Input Output-Tables with Extensions and Applications**

# How should the SEEA CF be amended? (1)

- How should guidance in the updated SEEA CF reflect and make use of:
  - noted developments in methodologies and input data?
  - Existing guidance and methodological documentation (SNA25, SEEA CF E and A, UN Handbook on SUT and IO)
- Overarching questions:
  - a. How the SEEA CF update should aim to reflect the updates in the relevant overlapping areas in the SNA 2025
  - b. The extent to which updated guidance should recommend certain methods and input data, with a view to standardising and harmonising across, as well as what principles should be given priority in such guidance.
  - c. The extent to which revised guidance should aim for terminological harmonisation in light of the somewhat differing terminology currently in use (e.g. demand-based, consumption-based, footprint etc.)

# How should the SEEA be amended? (2)

- Information about different type of tables
- Methodological choices for GMRIOs
- Compilation methods of relevant environmental extensions
- Methods differing from SRIO and MRIO
- Up-to-date examples of IO-application

# Links to other areas

Issue A2: Indicators: Input-output analysis is currently used to produce many policy relevant indicators (e.g. SDG indicators) that would be relevant to present here

Issue A5: Harmonization with other international classifications: Since input-output analysis does rely on the interoperability of monetary input-output tables and physical environmental extensions, harmonization with other international classifications may be relevant

Issue A6: Introduction of thematic accounts and strengthening the link to policy: There are links here because input-output analysis connects environmental data with monetary data and the national accounts

Issue A7: Extension to the social domain: Examples where input-output analysis has been performed from environmental and social perspectives can be highlighted.

Issue A9: Consistency with the 2025 SNA revision issues: EE-IOT and related analyses are based on data that is incorporated in the SNA.

# EE-IOT and analysis is not an account but (a family of) methods

- General sections in the SEEA with general information about EE-IOT and analysis:
  - Chapter 2 Accounting Structure and
  - Chapter 6 Integrating and presenting the accounts
- Dedicated sections in relevant areas:
  - Chapter 3 Physical Flow Accounts generally
  - Subsections of Chapter 3:
    - Air emissions
    - Material flow
  - PSUTs
- Refer to existing specific guidance (SNA25, UN IO-manual, SEEA CF E and A) complemented with references to new methods and data from elsewhere

# Moving forward

- Drafting team (so far):
  - Malcolm Gray, Statistics New Zealand
  - Eurostat
  - Niels Schoenaker and Michelle Steenmeijer, Statistics Netherlands
  
- Tranche 3:
  - Global consultation scheduled for September – October 2026

**Thanks!**

**Tänaan teid!**

**Tack!**