



# A2 Indicators A7 Links to social domain

Peter Meadows

SEEA Central Framework Technical Committee Meeting  
Geneva, Switzerland  
23 March 2026



# Reminder of A2 and A7 + rationale for combo

A2 - The SEEA CF highlights some key indicators that can be derived from the framework. Since 2012, several advancements have been made on indicators (e.g. SDG indicators). The updated SEEA CF could make explicit how current indicator frameworks can be informed by the SEEA, to show the relevance of the SEEA CF, strengthen the relationship between statistical and policy frameworks, and highlight the ability of the SEEA CF to provide further insights through the joint presentation of data.

A7 - The SEEA CF provides the basis for integrating environmental and economic data, which in turn can be linked to the development of broader information sets for analysis of topics such as sustainable development. The development of broader information sets will require linking the SEEA with data on social conditions, including employment, population, household income and type, and gender in order to derive indicators and support analysis on topics such as emissions by household type and gender data for employment in environmental activities.

# Issues identified in TT A

## A2

- Consider an approach that SEEA should recommend some aggregate indicators, taking into account of the Applications and Extensions publication, other indicators derived from Material Flow Accounts
- It should be noted in that indicators derived directly from SEEA CF Accounts should be the primary principle for indicators (noting that it could be difficult to agree on a key set of indicators)
- The guidance note should have precise calculations for indicators in SEEA CF.
- Guidance on indicators for each chapter will need to be included in SEEA CF
- The guidance note should discuss the relationship of a set of SEEA CF based indicators compared to current global indicator frameworks (SDG) considering they have methods often developed without SEEA.

## A7

- Focus on 10 or so social themes and how they connect to SEEA CF. Explore each of the connections in depth.
- The guidance note should work in parallel with the Friends of the Chair on social and demographic statistics (with assistance from UNSD)
- The focus of the connection between SEEA CF and social themes should highlight the accounting tables that link to social and demographic information.
- One focus to examine is the link between impacts measured in SEEA CF (chapter 3) and the adaptation components in chapter 4.
- Health, gender, education and food security were suggested as priority themes.

# Current SEEA CF indicator approach

- Section 6.4
  - “Descriptive statistics”
  - “Aggregates and Indicators”
  - “Aggregates for financing and cost recovery”
  - “Environmental ratio indicators”
  - “International indicator initiatives” (Mostly Beyond GDP reference)
- Chapter 3
  - Flow table identities, Input-Output Identities
  - Account variations for water and energy
- Chapter 4
  - Total Expenditure on Environmental Protection

# Current SEEA A&E approach

- From Appendix 1
- Indicators of Resource Use and Environmental Intensity
- Indicators of Production, Employment and Expenditure related to Environmental Activities
- Indicators of Environmental Taxes and Environmental Subsidies and Similar Transfers
- Indicators of Environmental Assets, Wealth, Income, and Depletion of Resources

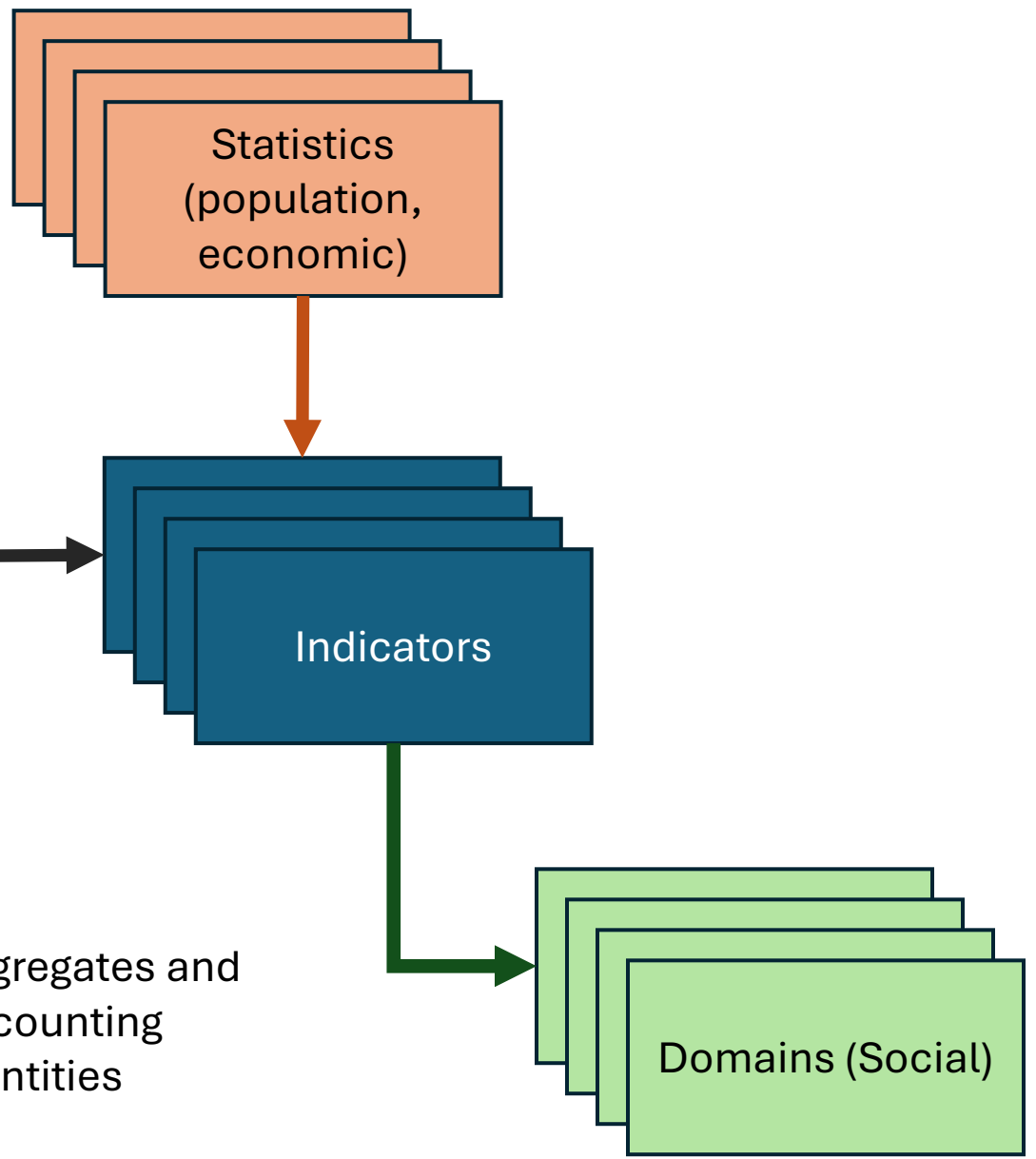
Table 3.1  
General physical supply and use table

Supply table						
Production; generation of residuals			Accumulation			
	Production; generation of residuals by industries (including household production on own account), classified by ISIC	Generation of residuals by households	Industries — classified by ISIC	Flows from the rest of the world	Flows from the environment	Total
Natural Inputs					A. Flows from the environment (including natural resource residuals)	Total supply of natural inputs (TSNI)
Products	C. Output (including sale of recycled and reused products)			D. Imports of products		Total supply of products (TSP)
Residuals	I1. Residuals generated by industry (including natural resource residuals)	J. Residuals generated by household final consumption	K1. Residuals from scrapping and demolition of produced assets K2. Emissions from controlled landfill sites	L. Residuals received from rest of the world	M. Residuals recovered from the environment	Total supply of residuals (TSR)
	I2. Residuals generated following treatment					
Total supply						
Use table						
Intermediate consumption of products; use of natural inputs; collection of residuals		Final consumption <sup>a</sup>		Accumulation		
	Industries — classified by ISIC	Households	Industries — classified by ISIC	Flows to the rest of the world	Flows to the environment	Total
Natural Inputs	B. Extraction of natural inputs B1. Extraction used in production B2. Natural resource residuals					Total use of natural inputs (TUNI)
Products	E. Intermediate consumption (including purchase of recycled and reused products)	F. Household final consumption (including purchase of recycled and reused products)	G. Gross capital formation (including fixed assets and inventories)	H. Exports of products		Total use of products (TUP)
Residuals	N. Collection and treatment of residuals (excluding accumulation in controlled landfill sites)		O. Accumulation of waste in controlled landfill sites	P. Residuals sent to the rest of the world	Q. Residual flows to the environment Q1. Direct from industry and households (including natural resource residuals and landfill emissions) Q2. Following treatment	Total use of residuals (TUR)
Total use						

<sup>a</sup> No entries for government final consumption are recorded in physical terms. All government intermediate consumption, production and generation of residuals is recorded against the relevant industry in the first column of the PSUT.

# A revised approach?

Aggregates and Accounting Identities



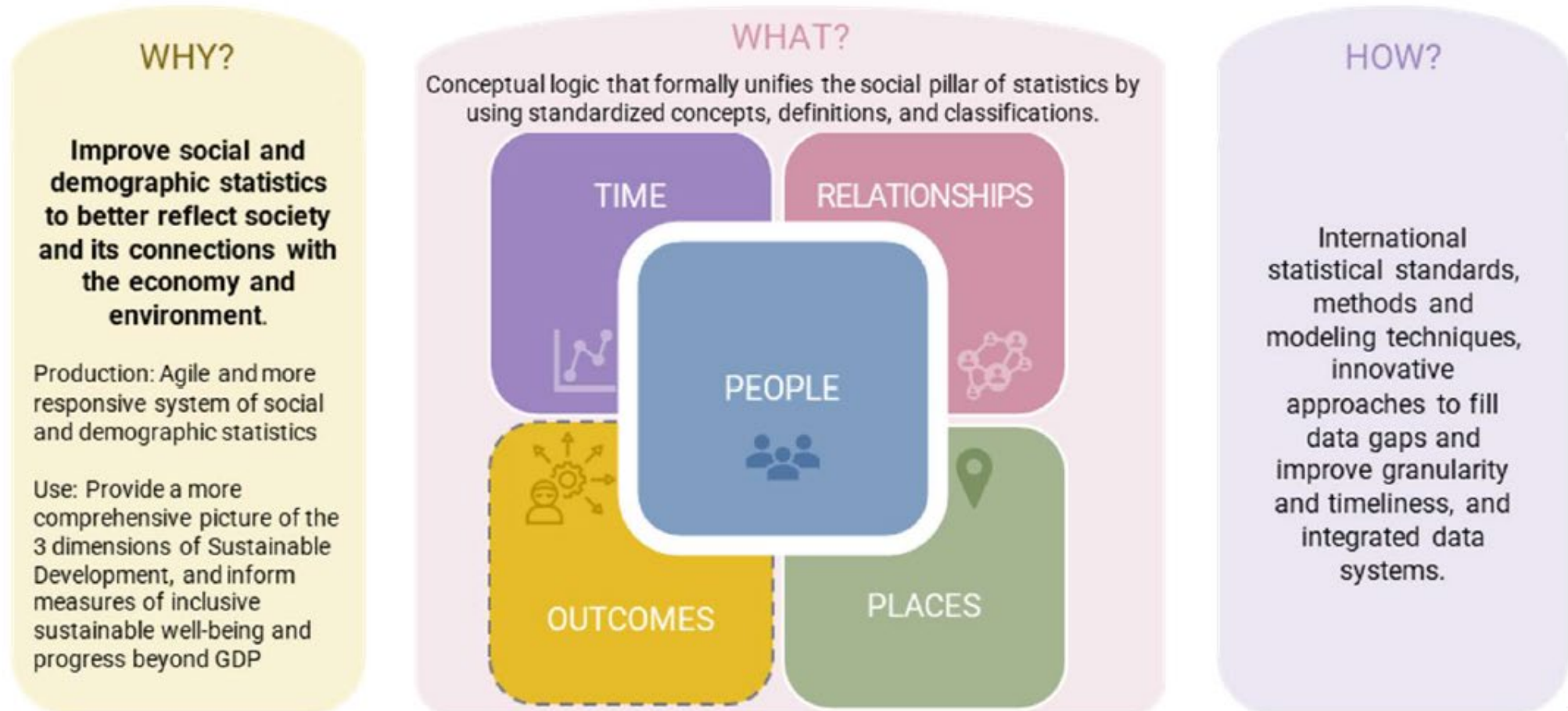
# A way forward

Adjusting the existing text in the SEEA CF to demonstrate the development of indicators using the aggregates (accounting identities) from each of the accounts

Some description of extensions to these aggregates (accounting identities) which would include derivations based on data available in the accounts or readily available information from economic or social statistics. Discuss with an example including a step-by-step method for creating an indicator from multiple tables in the accounts, discuss the shortcomings of such an approach and any other advice on assisting others to interpret the indicator.

Discussion on extensions to other domains including a detailed social domain example

# Appendix 2 - Linking to social domains – FOTC on social and demographic statistics



# Suggested themes

- a. 6.48 ... a wide range of social domains that are of interest, a non-exclusive list could be:
  - i. Population
    - 1. Age
    - 2. Gender
    - 3. Geographical distribution
  - ii. Relationships
    - 1. Access to green space/environmental products
    - 2. Resilience to natural disasters
    - 3. Mortality and general health,
    - 4. Education
    - 5. Decent employment in natural capital-based occupations
    - 6. Access to utilities, energy, water, space (as land)
    - 7. Cultural interaction with nature (spiritual, sport and recreational etc).
    - 8. Economic Income and wealth

# Content to be added

- Discussion on links to IOEE
- In depth discussion on each additional aggregate (accounting identity) for accounts without one.

# Summary

- **Summary of questions for the technical committee:**
- **Is this a sensible approach to considering indicators for the CF? (para 49)**
- **Do we remove the reference to the sequence of accounts, and thereby remove any indicators based on depletion from the core set of indicators from SEEA CF? (para 58)**
- **Do we need a 7.2 paper going into depth on how to define the links to social domains and the links to A6 Links to policy? (section 4)**
- **Do we need each indicator to be included in the guidance note as adjustments or extra paragraphs to the SEEA CF or should we aim for a complimentary product are refer to the spreadsheet? (section 4)**
- 
- **Draft Global consultation questions:**
- **Do you agree on the approach proposed for discussing indicators in the SEEA CF update? Do you agree that special notes for links to global indicators and social domains will be included in the SEEA CF text? (para 50)**
- **Do you agree that the proposed range and explanation of indicators for chapters 2, 3, 4, and 5 will be included in the SEEA CF? (para 55)**
- **Do you agree that the discussion on links to social domains include the themes suggested and include an example? (para 72)**