



System of
Environmental
Economic
Accounting

Global data collection for physical energy flow accounts (PEFA) and air emission accounts (AEA)

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Introduction

- Development of global SEEA databases is a priority for the UN Committee of Experts on Environmental-Economic Accounting (UNCEEA)
- Physical energy flow accounts (PEFA) and air emission accounts (AEA) identified as priority areas for global data collection, given their broad policy relevance, including for the Sustainable Development Goals (SDGs)
- PEFA is the most commonly compiled SEEA account, followed directly by AEA

Introduction, continued

- Global databases = national data where it exists, country-approved estimates where it does not
- Current focus on collecting data from countries which already have national PEFA/AEA accounts but do not yet report data to an international organization
- Global template can also provide guidance for countries which will compile PEFA or AEA in the future

Use of templates

- Three templates in one workbook facilitates reporting by countries with differing levels of data availability
- **Detailed:** 64 ISIC categories (first and/or second-digit level of ISIC) and household activities disaggregated
- **Medium:** 21 ISIC categories (first-digit level)
- **Aggregate:** 5 ISIC categories (first-digit level), plus “All other industries”
- Please report the most detailed template for which data is available!
- Same natural energy input, product and residual classes are used across templates

PEFA questionnaire structure

- Questionnaire fully compliant and mapped to the SEEA DSD
- Introductory sheets and information for compilers
- **Table A:** Supply
- **Table B:** Use
 - Table B.1: Transformation use
 - Table B.2: End use
- Table D: Indicators (automatically calculated!)
- Table E: Bridge table for residence to territory principle

AEA questionnaire structure

- Questionnaire fully compliant and mapped to the SEEA DSD
- Introductory sheets and information for compilers
- **GHG** aggregation sheet
- **Individual pollutant sheets:** CO₂, biomass, CH₄, N₂O, etc.

Questionnaire functionalities

- Data entry validation
 - All cells are filled with either a number or a colon “:”, for not available
 - NB: please distinguish between “not available” and zero values
- Built-in **checking tool** focuses on internal validity
 - 1) Parent-child relationship for ISIC categories
 - 2) Sum of individual natural resources, products and residuals add up to the totals
 - 3) Supply and use identity (column and row)

Timeline

- February
 - Sent out questionnaires (also available <https://seea.un.org/Data/Global%20data%20collection> –make sure macros are enabled!)
- April
 - Questionnaire deadline of **14 April** (both AEA and PEFA)
- May-August
 - Validation
- September-October
 - Release

THANK YOU

seea@un.org // <https://seea.un.org/>

