



AREA C

Development of Global Databases for SEEA

UNCEEA meeting
Virtual, 25-26 June 2025

Roberto ASTOLFI, OECD



SEEA



OECD

BETTER POLICIES FOR BETTER LIVES



Outline

- Latest developments for the five priority accounts
- Looking towards 2026-2030
- Discussion



LATEST DEVELOPMENTS FOR THE FIVE PRIORITY ACCOUNTS



Activities of Area C: *four workstreams*

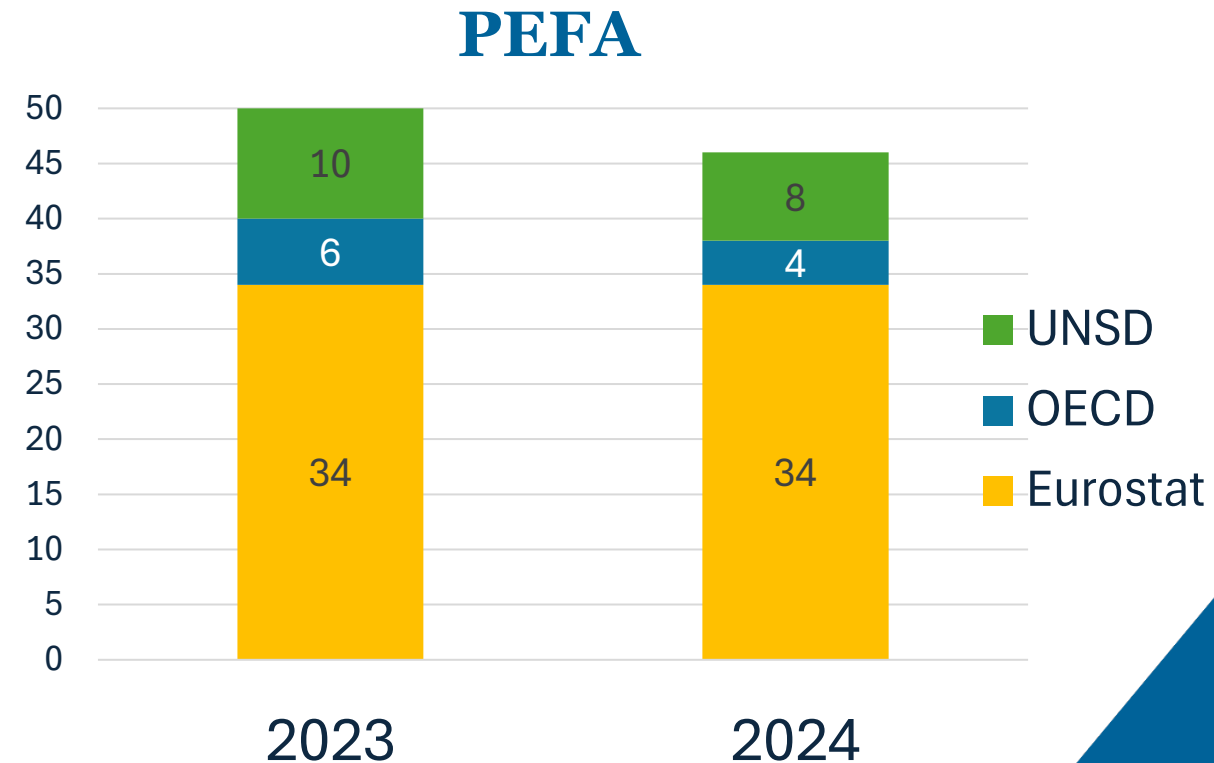
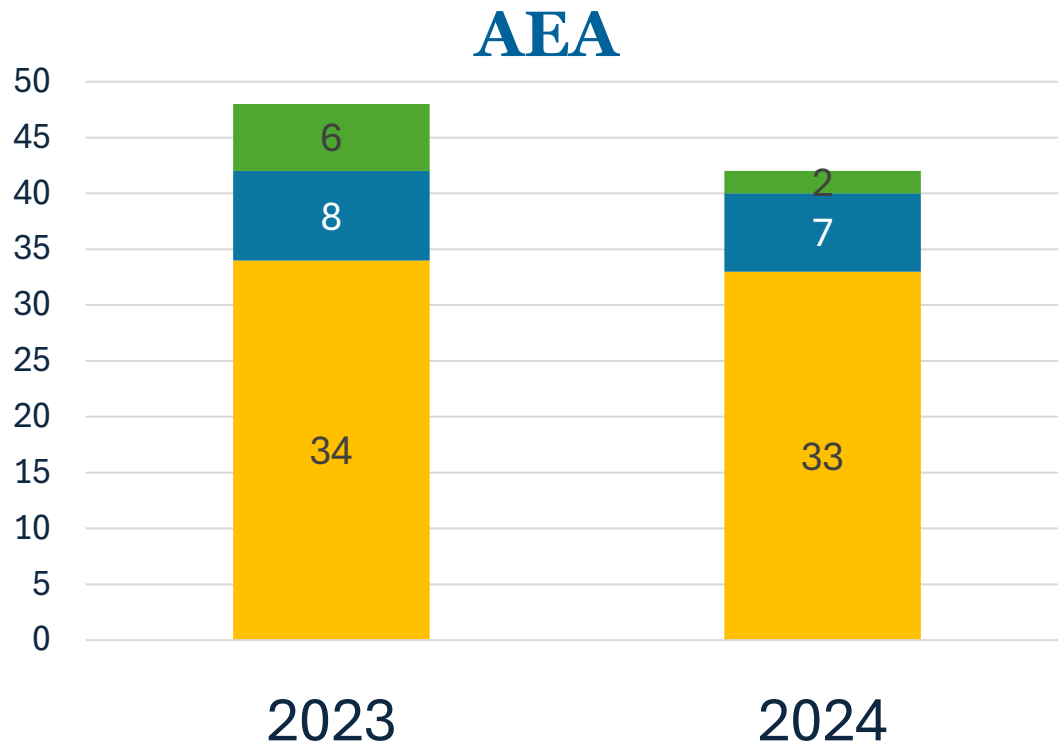
1. Regular meeting every two months
 - advancements global databases and data quality enhancement
 - air emissions (AEA)
 - physical energy flow (PEFA)
 - material flow (EW-MFA)
 - land cover (LCA)
 - water accounts (PFWA PAWA)
2. Ad hoc meetings & activities on land cover and water accounts
3. DGI-3
 - Attendance to the DGI meeting
 - Support to the development of the AEA and PEFA tools
 - (from inventories to AEA / from energy statistics / balances to PEFA)
4. Terms of Reference of the Area C





2024 Global data collection: AEA & PEFA, *Annual*

- Reduction in reporting countries
- Overall increase in quality: Timeliness, length of time series, granularity





Air and Maritime Transport DBs: further developments



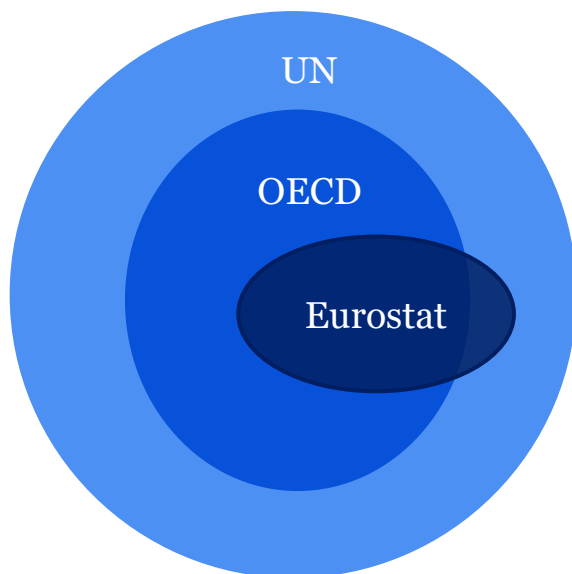
- Energy use *(experimental)*



- Territory approach *(experimental)*



2025 Global data collection: AEA & PEFA, *Annual*



Minor amendment the OECD/UNSD questionnaires

AEA Same Gas/pollutant across templates
Same ISIC breakdown per GHG in each template

PEFA As before

By end-June

Questionnaires
Sent to countries

End-Sept

Questionnaires
returned to IOs

Restricted Use - À usage restreint

Validation

Dec/Jan

Dissemination



Economy-Wide Material Flows Accounts

Bi-annual data collection for non-EU countries

- Q4 2024 Bi-annual data collection for non-EU countries
 - After updating countries' focal points
- Q1 2025
 - 7 countries reported to the UNEP Indicator Reporting Information System (IRIS) portal
 - 42 countries reported to the Global SDG Database

Global Footprint Tool based on the GLORIA Multi-Regional Input-Output (MRIO)

Allows countries to calculate their environmental footprints (material, energy, carbon, water and land).

- Official launch
 - December 2025 7th UN Environment Assembly (UNEA-7)
- Soft lunch in early 2025
 - For pilot testing and to introduce refinements





Data available at:



- UN
 - <https://data.un.org/SdmxBrowser/start>
- OECD
 - <https://data-explorer.oecd.org/>
- Eurostat
 - <https://ec.europa.eu/eurostat/data/database>
- UNEP
 - <https://www.resourcepanel.org/global-material-flows-database>



Land Cover Accounts



- Pilot test (OECD & FAO)
 - From 2024Q4 to 2025Q1
 - Very low response rate
 - No information on the additional classes proposed
- Conclusion
 - Persevering unpromising
- Recommendation
 - **no longer prioritise land cover accounts**



Physical Water Accounts

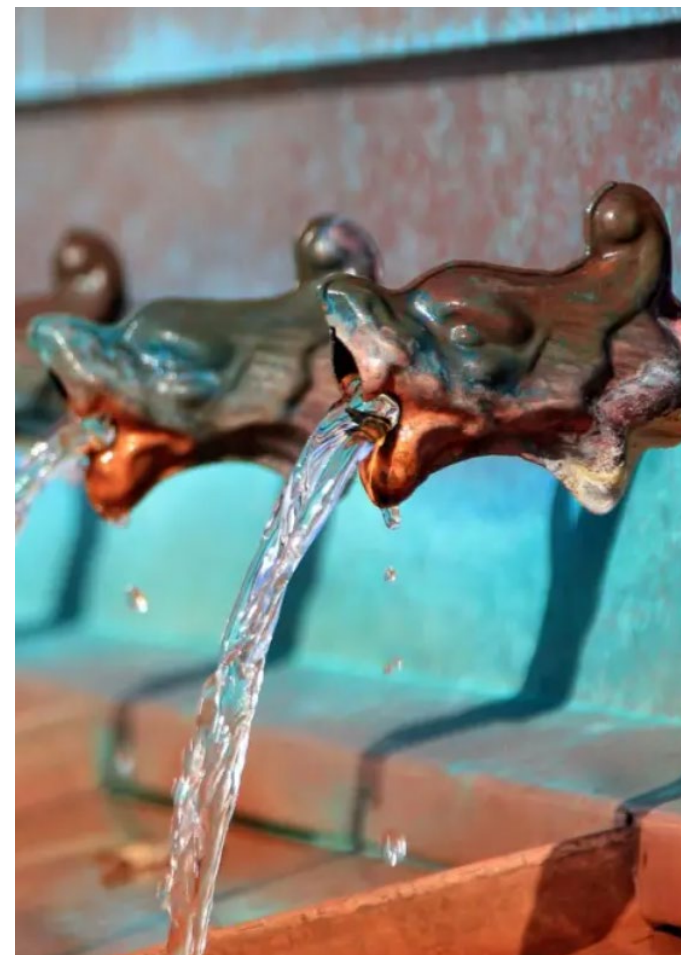
OECD feasibility study (2025)

- Flow Accounts (PWFA)
 - Consider the development of a ***Tiered questionnaire***
 - Available statistics could possibly feed the compilation aggregated flow accounts (PWFA)

(OECD-Eurostat/UNSD-UNEP, FAO AQUASTAT, WaterGAP).
 - WaterGAP can be considered for modelling.
- Asset Accounts (PWAA)
 - Available statistics not well-suited

Eurostat & UNSD feasibility study (planned for 2026)

- to assess the quality and completeness of available data and their fitness to develop water accounts





LOOKING TOWARDS 2026-2030



Options 2026-2030

AEA & PEFA

KEEP

Pursue quality improvements

EW-MFA

KEEP

Option 1

Land	DISCONTINUE	
Water	WAIT	Estat /UNSD feas.ty studies (end 2026)
Other	WAIT	SEEA CF update (2028)

Option 2

One or more new accounts

- Physical water flow or asset
- Waste
- Env. Protection Expenditure Accounts (EPEA)
- Env. Related Tax Revenue Accounts (ERTR)
- Harmful subsidies on climate change mit/adp
- Investments on climate change mit/adp
- Climate-related expenditures and subsidies
- Ecosystem extent (coordination Area B)
- Ecosystem condition (coordination Area B)
- Forest (after the SEEA CF update)



DISCUSSION



Questions for the Committee

You are invited is invited to:

- 1) express your views on the work of Area C; and
- 2) advice on the proposed options (1 & 2) for the priority accounts for the period 2026-30.

Option 1

Land	<i>DISCONTINUE</i>	
Water	<i>WAIT</i>	Estat /UNSD feas.ty studies (end 2026)
Other	<i>WAIT</i>	SEEA CF update (2028)

Option 2

One or more new accounts

- Physical water flow or asset
- Waste
- Env. Protection Expenditure Accounts (EPEA)
- Env. Related Tax Revenue Accounts (ERTR)
- Harmful subsidies on climate change mit/adp
- Investments on climate change mit/adp
- Climate-related expenditures and subsidies
- Ecosystem extent (coordination Area B)
- Ecosystem condition (coordination Area B)
- Forest (after the SEEA CF update)