AREA C Development of Global Databases for SEEA

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Progress made

• Way forward: objectives and priorities for 2021-2025

Discussion



Progress made

• Air Emissions

- Granularity (Air & Maritime Transport CO₂ emissions); OECD
- Timeliness/Frequency (Quarterly AEA/GHS TS) IMF/OECD/IEA/Eurostat/UNSD

Material Flow:

- Global Manual on Economy Wide Material Flow Accounting UNEP/Eurostat/ECD/UNSD
- Harmonised estimation method for demand-based MF: I-O based approach: OECD Intercountry Input Output (ICIO) / Eurostat FIGARO

Water accounts

- Review of OECD/Eurostat questionnaire as a source for populating simple core water accounts; development of standard reporting template; pilot test with countries
- Plans by Eurostat for potential future collection
- ARIES project to develop water balances (from global data sources)

ARIES tool for EA

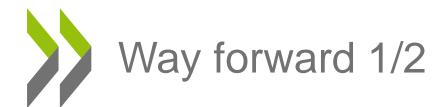
Dissemination

- Websites/data warehouse of agencies in charge
- ARIES platform: infrastructure



Scope for further improvements

Accounts	Geographical	Time	
Air emissions	Reported data: AUS, CAN, EU, CHE, COL, ISL, KOR, NOR, NZL, SRB, TUR, UKR Estimated by IOs: JPN, KAZ, RUS, USA,	Reported: 2000-2019 Estimated by IOs: 2008-2019 2020 by Dec.2021	
Energy	AUS, BHU, BWA, CAN, COL, CRI, EU, FJI, GEO, JAM, KEN, MYS, MUS MEX, FSM, PLW, PRY, RSA, TUR	2008 -2018	
Economy-wide material flows	Global	1970 -2019 Annual updates	
Land (cover)	Global (countries, macro-regions, metropolitan areas)	s) 1992 -2019	
Water (resources, use)	Selected countries depending on data availability (EU, OECD, other)	1970 -2019 (limited availability for some variables and years)	



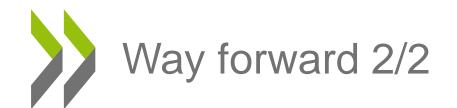
• Improve policy relevance

by increasing the **coverage** and **granularity**

- Timeliness/ frequency
 - Annual, quarterly & monthly
- Geographical coverage
 - Reach a global or quasi-global coverage
 - (a) support countries (b) implement estimation methodologies

Pragmatic approach: set priorities by account

- Questionnaire template (tiered approach)
 - Glossary



Improve dissemination

- Short / medium term
 - Enhance the use of ARIES platform (Priority <u>accounts</u> and EA,)
 - Disseminate indicators
- Longer term
 - Consolidated SEEA databases (common structure and industry breakdown across accounts)

Extend the set of priority accounts

- Environmentally Related Tax revenue (ERTR)
- Environmental Protection Expenditure (EPEA)
- Environmental Goods and Services Sector (EGSS)
- Waste
- Forest



Proposed roadmap

Topic	Current and planned tasks	Timeline
Air emissions	Timeliness: Methodology for quarterly estimates (IMF, OECD, Eurostat, IEA, UNSD)	2021-22
	Geographical coverage: → Tiered standard reporting template	2021-22 2022-23
	 Methodology: → Estimation method for non-Annex I UNFCCC parties → Maritime transport → Further research: Road transport 	Tbd 2021 2023-25
Energy	Estimation method: → SEEA-CF TC → UNCEEA	
	Release of estimated accounts for selected countries Testing of Excel based tool [SEEA CF TC, UNCEEA]	Tbd
Economy- wide material flows	Global database: updating frequency, country data, capacity building, data exchange	Tbd
	Methodology: Demand-based EW-MFA	2021-22
Land (cover)	Estimation method: Develop international consensus	Tbd
	Global database: regular updates, coherence between existing databases [FAOSTAT, ARIES, OECD]	Tbd
Water	Test the reviewed OECD/Eurostat water questionnaire for populating the accounts	2021-22
Dissemination	SEEA dissemination portal on the ARIES platform (priority accounts, ecosystem accounts, indicators)	2021-22?



The committee is requested to comment on:

Progress	The progress for the five priority accounts.
Priorities by account	The proposal to set priorities for each account based on different quality criteria.
Timeliness	The proposed timeline for the timely release of data
More priority accounts	The possible future extension of the set of priority accounts.
Dissemination of indicators	The proposed expansion of the mandate for AREA C to include the dissemination of indicators.
Glossary	The proposal to develop a common glossary of terms to enhance internal communication.



Many thanks for your attention!