



# AREA C

## Development of Global Databases for SEEA

UNCEEA meeting  
Virtual, 15-17 June 2021

Roberto ASTOLFI - Myriam LINSTER, OECD



SEEA





## Outline

---

- Progress made
- Way forward: objectives and priorities for 2021-2025
- Discussion



# Progress made

---

- **Air Emissions**

- Granularity (Air & Maritime Transport CO<sub>2</sub> 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
<i>Air emissions</i>	<p>Reported data: AUS, CAN, EU, CHE, COL, ISL, KOR, NOR, NZL, SRB, TUR, UKR</p> <p>Estimated by IOs: JPN, KAZ, RUS, USA,</p>	<p>Reported: 2000-<b>2019</b></p> <p>Estimated by IOs: 2008-<b>2019</b></p> <p><b>2020 by Dec.2021</b></p>
<i>Energy</i>	AUS, BHU, BWA, CAN, COL, CRI, EU, FJI, GEO, JAM, KEN, MYS, MUS MEX, FSM, PLW, PRY, RSA, TUR	2008- <b>2018</b>
<i>Economy-wide material flows</i>	<b>Global</b>	1970- <b>2019</b> Annual updates
<i>Land (cover)</i>	<b>Global</b> (countries, macro-regions, metropolitan areas)	1992- <b>2019</b>
<i>Water (resources, use)</i>	Selected countries depending on data availability (EU, OECD, other)	1970- <b>2019</b> (limited availability for some variables and years)



## Way forward 1/2

---

- **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



## Way forward 2/2

---

- **Improve dissemination**

- Short / medium term

- Enhance the use of ARIES platform (Priority accounts 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	<b>Timeliness:</b> Methodology for quarterly estimates (IMF, OECD, Eurostat, IEA, UNSD)	2021-22
	<b>Geographical coverage:</b> → Tiered standard reporting template	2021-22 2022-23
	<b>Methodology:</b> → Estimation method for non-Annex I UNFCCC parties → Maritime transport → Further research: Road transport	Tbd 2021 2023-25
Energy	<b>Estimation method:</b> → <i>SEEA-CF TC</i> → <i>UNCEEA</i>	Tbd
	Release of estimated accounts for selected countries	
	Testing of Excel based tool [ <i>SEEA CF TC, UNCEEA</i> ]	
Economy-wide material flows	<b>Global database:</b> updating frequency, country data, capacity building, data exchange	Tbd
	<b>Methodology:</b> <b>Demand-based</b> EW-MFA	2021-22
Land (cover)	<b>Estimation method:</b> Develop international consensus	Tbd
	<b>Global database:</b> 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	<b>SEEA dissemination portal</b> on the ARIES platform (priority accounts, ecosystem accounts, indicators)	2021-22?



## The committee is requested to comment on:

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





- **Many thanks for your attention!**