

System of Environmental Economic Accounting



System of
Environmental
Economic
Accounting

Dissemination of SEEA Global Databases on the SEEA website

14th UNCEEAA Meeting
New York, USA



United Nations

Overview

- Mandate and approach
- What and how to disseminate?
- Implementation


Mandate and approach

- 13th UNCEEAA
 - > *Noted that data dissemination of SEEA global datasets would need to be further investigated, but the SEEA website could be used as a platform to link the various datasets compiled by the various agencies*
- 50th Session of the UN Statistical Commission
 - > *Recognized the importance of drawing attention to existing SEEA databases, official SEEA statistics and estimated SEEA accounts through the SEEA website*
- Proposed approach
 - > Already provide links to available SEEA-relevant databases from international organizations on SEEA website
 - > Step-by-step approach to develop a “one-stop shop” for global SEEA databases for the priority areas (air emissions, energy, water, material flow, land cover change) on the SEEA website

What and how to disseminate?

- What?
 - > Take SEEA Technical Notes core tables as the starting point
 - > 11th UNCEEAA meeting: *Recommended the development of templates for the SEEA-based data compilation and dissemination, recognizing that the core accounts and combined presentations in the SEEA technical notes could serve as useful starting points*
 - > Dissemination of core tables for priority areas will harmonize NSO compilation with global dissemination
- How?
 - > Develop custom dissemination platform
 - > Surveyed existing SEEA and SNA databases
 - > Detailed country profiles (i.e. core table by individual country)
 - > Aggregates to compare countries
 - > Possible data visualization center

What and how to disseminate?

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Energy physical supply and use table: Country profile

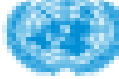
Country	Table	Flows	Economic activity	Year
<input type="checkbox"/> China <input type="checkbox"/> Brazil <input type="checkbox"/> Mexico <input checked="" type="checkbox"/> UK <input type="checkbox"/> Iran*	<input type="checkbox"/> Supply <input type="checkbox"/> Use	<input checked="" type="checkbox"/> Energy from natural inputs <input checked="" type="checkbox"/> Natural resource inputs <input checked="" type="checkbox"/> Inputs of energy from renewable source <input type="checkbox"/> Other natural inputs <input type="checkbox"/> + Energy products <input type="checkbox"/> + Energy residuals	<input type="checkbox"/> Agriculture, Forestry, Fisheries <input type="checkbox"/> Mining & Quarrying <input type="checkbox"/> Manufacturing <input type="checkbox"/> Etc.	<input type="checkbox"/> 2018 <input checked="" type="checkbox"/> 2017 <input type="checkbox"/> 2016 <input type="checkbox"/> 2015

*denotes estimate

United Kingdom, 2017 Supply Table

	Economic activity		
	Agriculture, forestry, fisheries	Mining & quarrying	Manufacturing
Energy from natural inputs:			
Natural resource inputs			
Inputs of energy from renewable source			

What and how to disseminate?

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Energy aggregates

Country

☐ China

☐ Brazil

☐ Mexico

☐ UK

☐ Tajikistan*

Aggregate

☐ Net domestic energy use

☐ Energy efficiency

☐ Total energy use

☐ Gross energy supply

☐ Net energy supply

☐ Gross energy use

☐ Net energy use

Year

☐ 2018

☐ 2017

☐ 2016

☐ 2015

*denotes estimate

	China	Brazil	Mexico
Net domestic energy use_2018			
Net domestic energy use_2017			
Energy efficiency_2018			
Energy efficiency_2017			

Implementation

- Follow agreed principles for the creation and maintenance of global SEEA databases on the SEEA website
- Propose to break up implementation into phases
- Three categories and phases of implementation
 - > Official SEEA accounts, compiled, disseminated and hosted by international organizations
 - > Estimated SEEA accounts, produced, disseminated and hosted by international organizations
 - > Official SEEA accounts, produced, disseminated and hosted by NSOs as part of regular statistical production process
 - > Currently focus on first two categories

Implementation

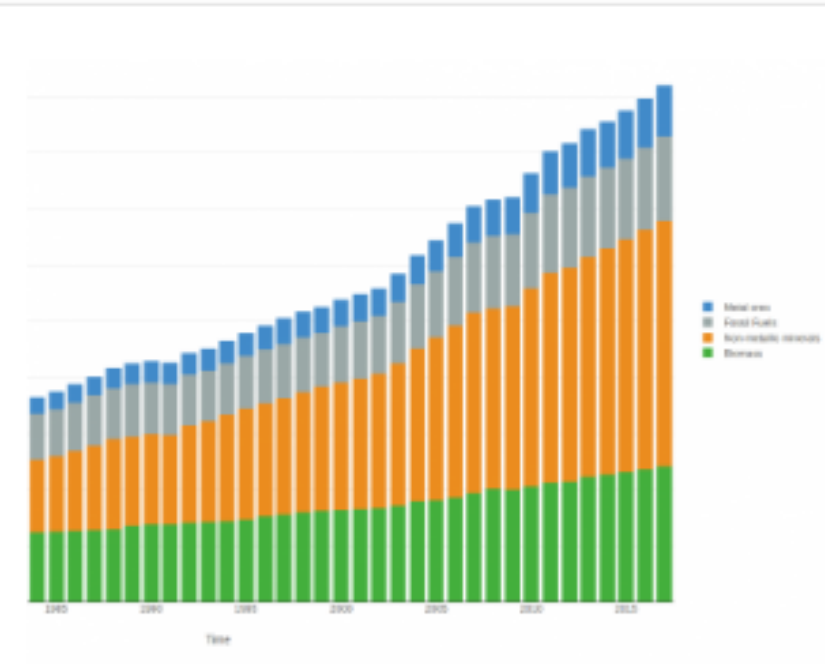
- Start with disseminating official SEEA accounts compiled and hosted by international organizations
 - > SEEA DSDs recently finalized
 - > Testing of DSD transmission and building of UNSD database
 - > Dissemination
- Start with energy, continue to air emission accounts
- Dissemination through UNData first
- Custom dissemination platform
- Move on to disseminating estimated SEEA accounts

Questions for the Committee

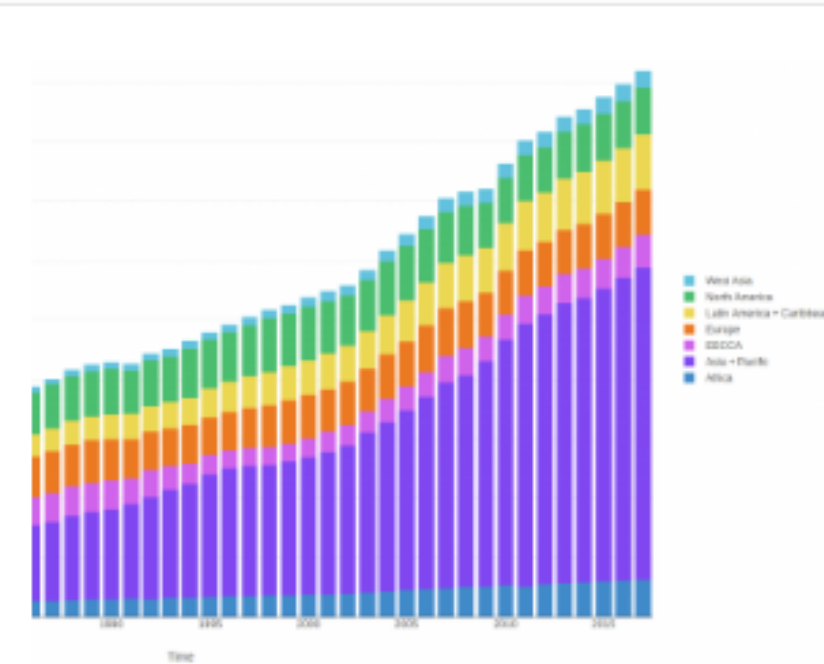
- Does the UNCEEA agree with the overall process laid out above to integrate the various datasets compiled by the various agencies on the SEEA website?
- What are the views of the UNCEEA on how the databases should be displayed?
- To what extent should the data visualizations produced by the various agencies be disseminated through the SEEA website? In particular, certain databases (MFA and land) contain visualization components. The SEEA website could provide access to these visualizations through a hyperlink, or they could be integrated into the SEEA website itself.

MFA visualizations

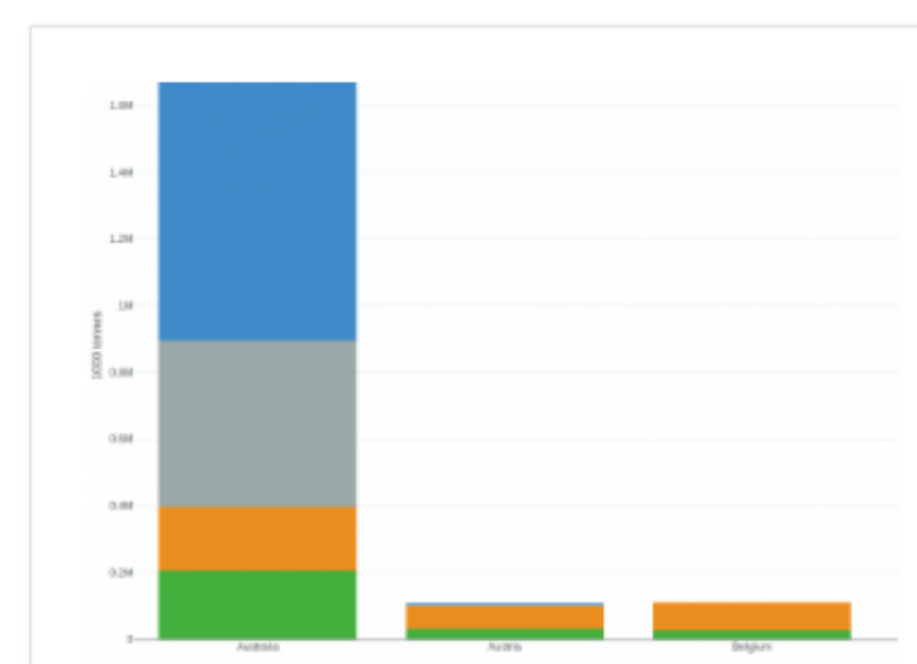
Data Visualisations



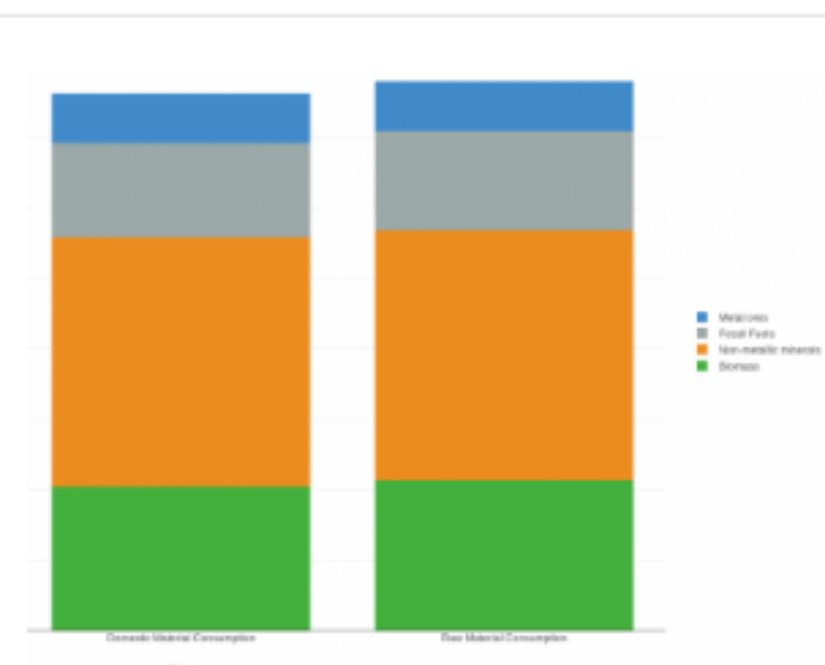
Material flows by material group, 1970-2017



Shares of material flows by world region, 1970-2017



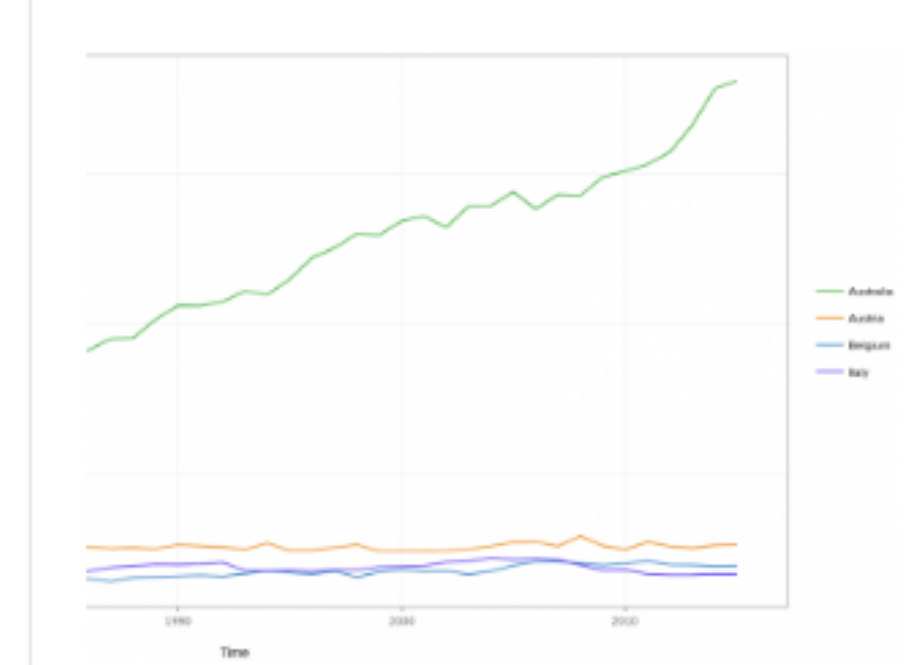
Comparing countries/regions by different indicators



Comparing different indicators for selected country/region

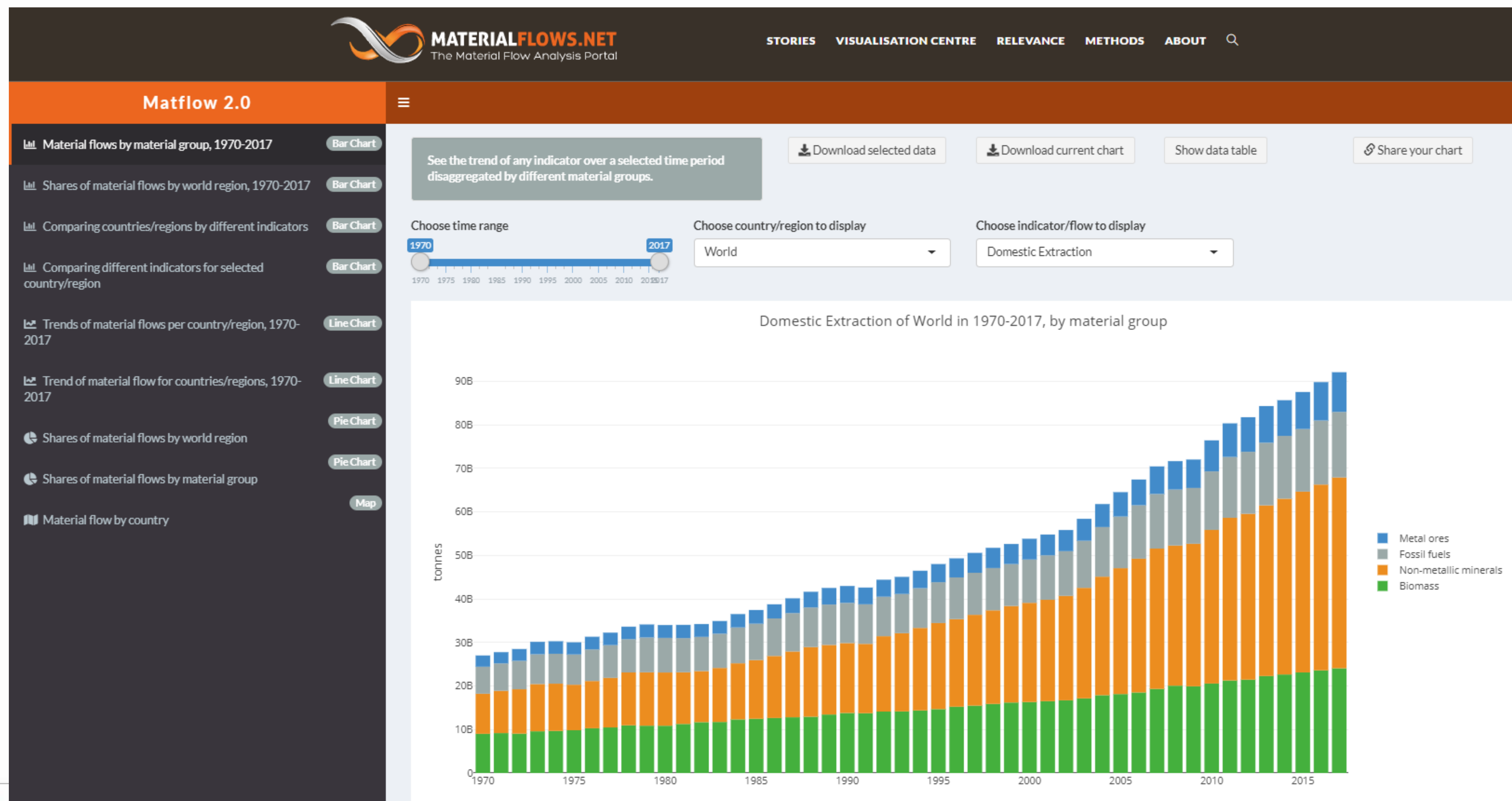


Trends of material flows per country/region, 1970-2017



Trend of material flow for countries/regions, 1970-2017

MFA visualizations





THANK YOU

seea@un.org