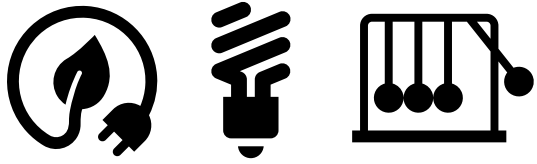




Revision of the Standard International Energy Products Classification (SIEC)

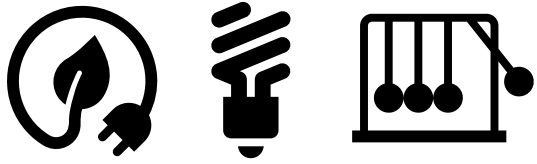
Vincent Russo, U.S. Bureau of Labor Statistics
Co-Chair of the Task Team on Revision of SIEC (TT-SIEC)

UN Committee of Experts on International Statistical Classifications
25-28 October 2022



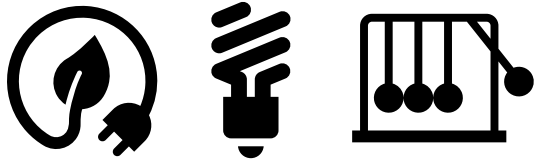
Introduction

- The UN Statistical Commission, in March 2022, endorsed the UNCEISC proposal to revise SIEC
- Central Product Classification (CPC) revision happening concurrently
- Improved harmonization between SIEC and CPC will facilitate the analysis of physical and monetary data
 - Physical energy accounts use SIEC while monetary accounts use CPC



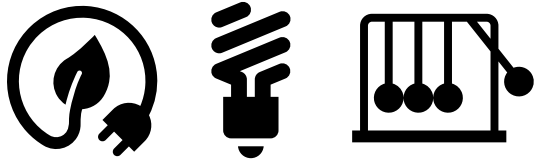
Purpose of SIEC

- To serve as a **basis for developing/revising national energy product classifications**
 - Improve compatibility with international standards
 - Improve cross-country comparability of energy data
- Multi-purpose classification: SIEC products and aggregates are suitable for:
 - Differing circumstances in different countries
 - Presenting and analyzing energy data in various policy/analysis contexts
- **Periodic review and revision** to reflect changes in energy production/consumption



Purpose of SIEC (continued)

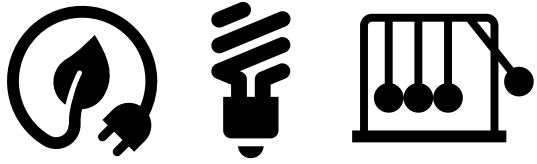
- Designed **to support data collection**, and:
 - Provide a uniform and hierarchical **coding** system
 - Ensure international **comparability**
 - Facilitate **linking of data** on energy product stocks/flows with data on international trade in energy products (and other statistics)
- Goal is to **cover all products needed to provide a comprehensive view of the production, transformation and consumption of energy** throughout an economy



Scope of SIEC

The **scope** of SIEC consists of

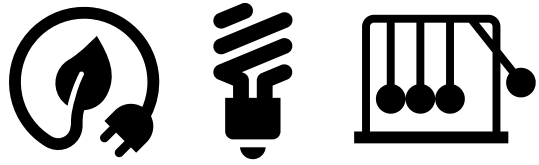
- a) **Fuels** produced/generated by an economic unit, including households, and used or might be used as sources of energy
- b) **Electricity** generated by an economic unit, including households, and heat generated and sold to third parties by an economic unit



Revision process

A **Task Team** (TT-SIEC) was established to revise SIEC

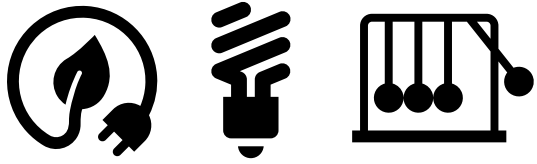
- **Co-chairs**
Vincent Russo, USA Bureau of Labor Statistics
Alejandra Reyes, Uruguay Ministry of Industry, Energy and Mining
- Includes experts in **classifications, energy statistics and balances, and energy accounts** from countries and international/regional organizations
- UNSD serves as **Secretariat**



Revision process (continued)

Revision process tasks in consultation with InterEnerStat and UNCEEA

1. ***Develop initial list of issues, carry out broad consultation and finalize the list**
2. Work through the list of issues and provide feedback to the revision of CPC
3. Prepare a revised structure of SIEC
4. Conduct a global consultation on the draft revised structure
5. Analyze feedback and finalize the revision
6. Submit to the UNCEISC for endorsement prior to the submission to the UNSC
7. Develop relevant correspondences

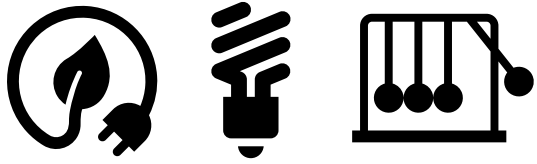


Revision process (continued)

1. Develop initial list of issues, carry out broad consultation and finalize the list

Based on discussions during the Oslo Group and InterEnerStat meetings, as well as specialized focus groups within organizations such as the Eurostat Energy Statistics Working Group, and the IEA Energy Statistics Development Group

Additional issues gathered from short country survey run by UNSD in early 2022 with the help of the African Energy Commission (AFREC), the Asia-Pacific Energy Research Centre (APEREC), Eurostat, IEA and the Latin American Energy Organization (OLADE)

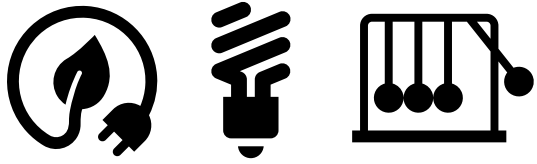


Revision process (continued)

1. Develop initial list of issues, carry out broad consultation and finalize the list

List of issues organized into three main types:

- a) Treatment of relevant products, including new products
- b) Harmonization with CPC
- c) Review of SIEC structure and scope

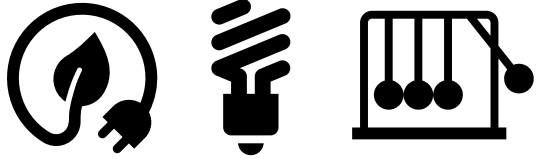


Revision process (continued)

1. **Develop initial list of issues, carry out broad consultation and finalize the list**

Treatment of energy-related products

- Hydrogen and ammonia
- Electric batteries and battery storage
- Electric vehicles
- Cooling as an energy product
- Disaggregation of electricity and heat by source
- Breakdown of renewables and wastes



Revision process (continued)

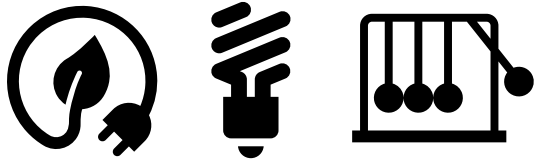
1. **Develop initial list of issues, carry out broad consultation and finalize the list**

Potential changes to CPC

An initial assessment identified potential changes to CPC based on current SIEC structure

Topics under review are currently organized by

- Areas where SIEC has a more detailed breakdown than CPC
- Areas where the scope of the categories do not fully match
- Potential improvements in the structure of SIEC

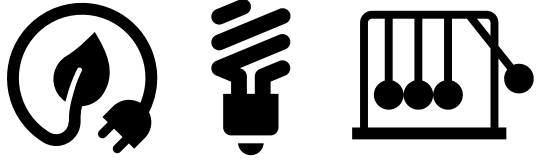


Proposed timeline

Milestones

End of 2022	Finalize list of issues
March 2023	Submit Terms of Reference to UNSC for approval
2023-2024	Resolve issues and prepare the revised SIEC structure
End of 2024	Conduct global consultation on draft revised structure
March 2025	Submit revised SIEC to the UNSC for adoption in March 2025
2025	Develop relevant correspondences

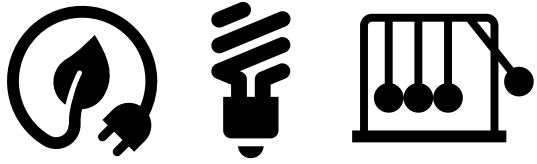
Throughout the process there will be close consultation with InterEnerStat and UNCEEA



Questions for the Committee

The UN Committee of Experts on International Statistical Classifications is invited to:

- 1. Express its views on the proposed revision process, timeline and terms of reference of the TT-SIEC**
- 2. Endorse the terms of reference of the TT-SIEC for submission to the UNSC at its 54th Session in 2023 for final approval**



Revision of the SIEC

Thank You!

Questions/comments?

Contact

UNSD - TT-SIEC Secretariat

chl@un.org