

Fact Sheets/Summaries

This document contains 1-page fact sheets/summaries of the work done by the Oslo Group in preparation for chapters and selected topics for IRES. The sheets contain a brief summary, links to related papers and some questions for discussion or room for notes.

The preparation of these short summaries is an exercise we have done in preparation for the 4th Oslo Group Meeting in Ottawa in order to get a structured overview on each topic, relevant presentations, discussions and conclusions from the previous three meetings of the Oslo Group and the UN International Workshop on Energy Statistics for developing countries in Mexico. The purpose is to highlight and structure what has been covered and identify gaps for future work. At the end of each sheet we have formulated a few questions that we encourage you to look at ahead of the meeting. The list of questions is not exhaustive. The intention is to start a thought-process and build foundation for interesting and fruitful discussions.

Ms. Sara Øvergaard
Oslo Group Secretariat, 28.01.2009, Oslo, Norway.

Topic 2 User Needs

Summary

During the first OG meetings, important users of energy statistics for environmental purposes presented their use of energy statistics and their recommendations and wishes for improvements (e.g. energy consumption data coupled with technology and purpose of use for emission estimation). IMF and IAEA, as international organisations, presented their data needs, while the research section in Statistics Norway presented the use of international energy statistics in research. It has been emphasised the importance of focusing on basic energy statistics in the revision of the UN manuals in order to serve all user needs, taking into account international standard for National Accounts, emission to air, international organizations, governmental use in energy planning and SEEA. Much focus has been on energy statistics from the needs of environmental statistics and national accounts, although important users, IEA raised concern during the third meeting that the needs for energy planning were not sufficiently covered. User needs are to be covered in Chapter 1 Introduction of IRES.

Relevant presentations from previous meetings

[The need for high quality energy statistics for greenhouse gas emission inventories](#) by [Alice Gaustad](#), the Norwegian Pollution Control Authority

[Needs for international energy statistics in research on climatic changes](#) by [Asbjørn Aaheim](#), Cicero/Norway

[The need of data and statistics from the perspective of energy end-use analysis](#) by [Ellen Skaansar](#) og [Terje Stamer Wahl](#), Norwegian Water Resources and Energy directorate

[The needs for international comparable energy and environment statistics; a client's point of view](#) by [Andrii Gritsevskiy](#), IAEA

[IMF areas of interest related to oil statistics](#) by [Maria Mantcheva](#), IMF

[Use of international energy statistics in research. Presentation of an oil market model](#) by [Knut Einar Rosendahl](#), Research Department in Statistics Norway

[Users needs](#) by [Ms. Jun Elin Wiik Toutain](#), Senior Adviser, Statistics Norway

[London Group and Environmental Accounting](#) (part 1) by [Mr. Mark de Haan](#), Chair London Group on Environmental Accounting, Statistics Netherlands and [\(part 2\) Ms. Ilaria DiMatteo](#), Statistician, Energy Statistics Section, UNSD

[Energy accounts and environmental economic instruments](#) by [Ms. Viveka Palm](#), Coordinator environmental accounts, SCB

[Electronic searchable solution for the new manuals](#) by [Ms. Sara Øvergaard](#), Senior Executive Officer, Statistics Norway

During the International Workshop on Energy Statistics, Session 9: Uses of energy statistics, included presentations on [Uses of energy statistics for compilation of energy accounts](#) (UNSD), [Energy indicators](#) (IAEA), Country presentation from [Cuba](#) and [South Africa](#) and [Energy statistics for estimating CO2 emission from fuel combustion](#) (IEA)

Questions

Is user needs sufficiently covered in Chapter 1? If no, what is needed (e.g public needs, industries and industry organisations)?

How can we check/ensure that important user needs are covered in all chapters? (eg. user need analysis)

Chapter 2 Scope of Energy Statistics

Summary

When discussing scope of energy statistics in the Oslo Group meetings, three types of scope has been discussed; The scope of official energy statistics (separate summary), the scope of IRES and the boundaries of energy statistics. In the UN manual (F29) the scope is discussed Under Chapter III Boundary Problems, covering the system boundary and the boundaries between flows and stocks. At the third meeting it was agreed that IRES should focus on basic energy statistics and energy balances; and that IRES should contain a chapter on bridging energy balances and energy accounts. Chapter 2 in IRES recommend treating energy statistics as a complete system covering (a) production, import/export, transformation and final use/consumption of energy sources/carriers and (b) the main characteristics and activities of the energy sector.

Relevant presentations from previous meetings

[International Recommendations for Energy Statistics \(IRES\): the revision process, guiding principles, scope and contents](#) by [Mr. Vladimir Markhonko](#), Chief of Trade Statistics Branch United Nations Statistical Division

[Results of the Global Assessment of Energy Statistics and Balances](#) by [Ms. Ilaria DiMatteo](#), Statistician, Energy Statistics Section, United Nations Statistical Division

[Overview of the existing handbooks of the UN](#) by [Karoly Kovacs](#), Chief, Energy Statistics Section, United Nations Statistical Division

[Lessons from the IEA/Eurostat/OECD Energy Statistics Manual. A need for more?](#) by [Jean-Yves Garnier](#), Head of Energy Statistics Division, International Energy Agency

During the International Workshop on Energy Statistics, Session 2: What should be the scope of energy statistics?, was introduction by [UNSD](#), and country presentations where provided from [Ecuador](#), [India](#) and [Canada](#).

Questions

The UN Manual (F29) read “...(the manual) does not consider the statistical problems posed by the definition and measurement of energy reserves, resources or prices and money values except in so far as such problems emerge through the interface between the concerns of this Manual and these other related spheres of study.”

To what degree should the interface between resources/reserves and production, and prices and volume be discussed in IRES?

Are there other interfaces between energy statistics and other statistics that should be identified and discussed?

Chapter 5 Flows, Stocks and Related Concepts

Summary

During the third meeting it was agreed that data items covering flows and stocks was to be addressed in IRES. According to the IRES outline, the chapter will contain:

- (a) Clarification of the boundary between flows and stocks,
- (b) Description of the relationship between stocks and other related concepts
- (c) Definition of the boundary between energy and non-energy flows,
- (d) General definitions of particular energy flows (energy production, transformation, non-energy use, final energy use/consumption)
- (e) Description of the differences between flows/stocks defined on the basis of territory and residence principles
- (f) Details on classifications of the energy sector and energy users and households.
- (g) Recommendations on measurement of flows and stocks in standard units of volume, weight and energy
- (h) Issues relevant to a monetary measurement are introduced and discussed.

Relevant presentations from previous meetings

[Geothermal energy](#) by [Mr. Paul Westin](#), Head of Unit, Swedish Energy Agency

[Solar energy](#) by [Mr. Andrii Gritsevskiyi](#), Energy System Analyst, IAEA

Biomass statistics - A lot of problems and two solutions [Presentation 1](#) by [Mr. Wolfgang Bittermann](#), Head of Energy Statistics, Statistics Austria [Presentation 2](#) by [Mr. Bernard Lang](#), Austrian Energy Agency and [Mr. Dietmar Hagauer](#), DI, Austrian Energy Agency

[Renewable - non-renewable energy](#) by [Mr. Andrii Gritsevskiyi](#), Energy System Analyst, IAEA

[Tracking](#) by [Mr. Andrii Gritsevskiyi](#), Energy System Analyst, IAEA

Questions

The UN Manual (F56) describes how to develop country specific flow diagrams for energy commodities (p.129, Annex III – VII). Should this be included in the revised manuals (IRES or ESCM), or left out?

It seems like this topic has not been sufficiently addressed by the Oslo Group. How can we provide more input to this chapter?

Chapter 6 Statistical Units and Data Items

Summary

During the third meeting of the Oslo Group it was agreed that statistical units and data items were to be included in IRES. It was also agreed that while providing recommendations on data items and their definitions care should be taken that (a) necessary data sources are available in at least some countries to compile such data, (b) collection of such data items will not create significant additional reporting burden, and (c) collection procedures can be implemented by most countries to ensure improved cross-country comparability. The Oslo Group is invited to provide guidance on the structure of the presentation of the data and the scope of data items.

Relevant presentation from previous meetings

No presentations focusing strictly on this topic has been given

Question

What view should the Oslo Group have on the scope of data items?

Chapter 7 Data Sources and Data Compilation Strategies

Summary

During the third meeting of the Oslo Group it was agreed that this chapter should give overview of main types of data sources, the key elements of data collection strategies/ data compilation methods for energy statistics, guidance on the compilation of metadata and importance and principles of effective institutional arrangements (see next topic).

Relevant presentation from previous meetings

[National Energy Statistics Collection Do's and Don'ts: Lesson Learned](#) by Tara Billingsley, USA

[Requirements, methodologies and data collection strategies on energy statistics](#) by Mr. Carlos Roberto López-Pérez, Director of Natural Resources and Environmental Statistics, National Institute of Statistics, Geography and Informatics

[Data collection issues and procedures](#) by Mr. P. K. Ray, Additional Director General, Central Statistical Organization

At the International Workshop on Energy Statistics, the session on data compilation issues was [introduced by Statistics Norway](#), and country presentations where given by Cuba, Indonesia, Iran, Mexico, Nigeria and Russia.

Question

The [IMF standard Dissemination Standards Bulletin Board](#) is used by EUROSTAT to present Energy Statistics Metadata. Is this a good starting point?

Chapter 9 Data Quality

Summary

During the 1st meeting of the Oslo Group the importance of good communication between users and producers of energy statistics to ensure quality and relevant statistics was stressed, and that the institutional framework for data collection and processing can affect the quality of the statistics. A recommendation from the meeting was make a distinction between official and non-official statistics, because this would make it easier for the users to evaluate the quality. At the third meeting it was concluded that strengthening of energy statistics as an effective part of official statistics does not necessarily mean that more of them have to be produced by a centralised national statistical office. Many national solutions can be used. The main point is that the quality principles for the production of official statistics are followed for energy statistics; Agreed in this connection that the quality dimensions should be clearly articulated and promoted in the revised international recommendations. Recommendations on a national energy data quality framework will be included, and Statistics Canada has presented data quality framework as a good example of how it can be done.

Relevant presentations from previous meetings

[The IEA Report Card: An effective way of highlighting energy quality issues](#) by Karen Treanton, Head of Energy Balances, Prices and Emissions Section, International Energy Agency

[IMF Data Quality Assessment Framework](#) by Maria Mancheva, Senior Economist, Real Sector Division, Statistics Department, International Monetary Fund

[Quality control and assurance](#), Mr. Justin Lacroix, Assistant Director, Manufacturing, Construction and Energy Division, Statistics Canada

Questions

The IMF Data Quality Assessment Framework was suggested as a foundation for developing an Energy Data Quality Framework during the first meeting. Is this approach still relevant?

Could the IEA Report Card approach be used as foundation for a public quality assessment tool?

Chapter 10 Dissemination

Summary

During the third meeting of the Oslo Group it was agreed that IRES would contain guiding principles for energy statistics disseminations, which include recommendations on confidentiality, equality and objectivity. It was recognized that adjustments may be necessary for energy statistics in defining and dealing with confidentiality and the release of information. Countries were encouraged to submit best practice strategies for dissemination.

Presentation

[Dissemination](#) by [Mr. Martin Howley](#), Manager, Energy Policy Statistical Support Unit, Sustainable Energy Ireland

During the International Workshop on Energy Statistics, [UNSD introduced](#) Session 8: Data quality assurance and dissemination. Country practices from [Egypt](#), [India](#) and [Canada](#) were presented.

Questions

This is also a topic that is not so well covered, how can the Oslo Group contribute further to this work?

Visualization and graphical illustrations are important for user friendliness and making energy data more understandable. Is this something the Oslo Group should work more on in the future?
