Report for the 7th Oslo Group meeting 23-26 October 2012, Helsinki, Finland

1. The 7th Oslo Group meeting was held in Helsinki, Finland from 23-26 October and was hosted by Statistics Finland. The main objectives of the meeting were to the review and provide feedback to the draft chapters of the Energy Statistics Compilers Manual (ESCM), share country experiences and agree of the future steps for the preparation of the ESCM. The meeting gathered 37 representatives from 19 countries and 4 international organizations (UNSD, IEA, IAEA, Eurostat). This report contains the main points and conclusions from the meeting. The agenda of the meeting and the list of participants are presented in Annex 1 and Annex 2, respectively.

Session 1: Inauguration

2. The meeting was opened by Ms. Hilkka Vihavainen, Deputy Director General Statistics Production, Statistics Finland. She described the institutional set up for energy statistics in Finland and the context of energy policy in the country. She emphasized the importance of using data from registres and reuse of data to reduce the response burden on enterprises. She also pointed out that new energy products put an extra demand for up to date energy statistics.
3. Mr. Olav Ljones, Chair of the Oslo Group and Deputy Director General of Statistics Norway, warmly welcomed all participants to the 7th meeting of the Oslo Group with special greetings to newcomers. He started by reminding the group about the mandate and the purpose of the Oslo Group; the importance of sharing expertise among countries and institutes and contributing to the advancement of the methodological work at international level. The Oslo Group should discuss topics on energy statistics and give output by producing reports like IRES and ESCM. He mentioned that official statistics should be defined by its quality dimension and he stressed the importance of consistency and coherence. He also emphasized the importance of the use of administrative data, reuse of data and a multipurpose approach to energy statistics. The ESCM should identify and reflect different national solutions and be active in presenting country practices. He mentioned that we need to work with statistics in a general way, but also the need to be very specific. Energy statistics have many characteristics and we need to work closely with the data and to account for seasonal adjustments, temperature corrections, energy price shocks etc. He concluded by thanking Statistics Finland for hosting the meeting.

Session 2: The Oslo Group 2011-2012

4. Ms. Sigrid Hendriks Moe, Statistics Norway, gave on the behalf of the Secretariat a presentation of the activities in the Oslo Group since the 6th meeting in Canberra in 2011. The main activities have been: (a) the finalization of the country practice template in energy statistics; (b) the collection and dissemination of country practices (which are available on-line at http://unstats.un.org/unsd/energy/template.htm); (c) the identification of chapter coordinators and chapter's contributors for the ESCM; and (d) the preparation of the preliminary draft chapters for the 7th Oslo Group meeting. The main responsibility for the chapter coordinators has been reviewing relevant submitted country practices, obtaining comments and text from the other countries that have volunteered and the drafting the first version of the chapters. The preliminary draft chapters prepared for the 7th Oslo group meeting were made available on the Oslo group website prior to the meeting.

Session 3: Energy Statistics Compilers Manual – Introduction

5. Ms Ilaria DiMatteo, UNSD, gave an introduction on the ESCM describing the purpose, the target audience, roles and contributions for the drafting of the ESCM. She also suggested the future steps for the finalization of the document. When asked about the adoption process by the United Nations Statistical Commission (UNSC), she informed the Oslo Group that, because of the nature of the document – being a non-normative document - the ESCM does not need to go though a formal adoption process by the UNSC. However, the UNSC will be provided with the document and informed of the process.
6. Mr. Pekka Loesonen, Eurostat, informed the Oslo Group of the Eurostat project on the Manual on the Final energy consumption in households. He described the main objectives of the project which include the preparation of a global inventory of the best methodological practices for the statistics in the residential sector, both at EU level and external to the EU and the preparation of the manual. The manual is expected to be finalized in the next 8/9 months.
7. Ms. Karen Treanton, IEA, briefed the Oslo Group on the work that is being carried out by IEA on the Manual on Statistics on Energy Efficiency Indicators. This manual is expected to provide information on how to collect the data required to develop energy and energy efficiency indicators and it focuses on how to collect relevant data. The manual is expected to be finalized in the 3rd quarter of 2013.

The Oslo Group:

8. Agreed with the suggested purpose and object of ESCM, which is to provide more detailed guidance on recommendations contained in IRES and the SEEA-Energy. The Group also emphasized the importance of the following elements: user friendliness; multipurpose approach to energy statistics and consistency; balanced presentation between the chapters (e.g. length and the level of detail of the information); specific to energy statistics; and in line with the principles of official statistics;
9. Stressed the importance of presenting country examples on different topics/issues;
10. Agreed on suggested steps for the preparation process of the ESCM, which envisage:
    a. a virtual meeting before the next Oslo Group meeting to review and discussed revised chapters; and
    b. the 8th Oslo Group meeting to review a complete final draft of the ESCM tentatively before the summer 2013;
    c. Finalise the ESCM by end of 2013
11. With regard to the development of different manuals on energy statistics, the Oslo Group:
    a. Emphasized the importance of the alignment of all these manuals with IRES and ESCM and the need of consistency with the methods, definitions and classifications presented in the different manuals;
    b. Raised concerns on how to ensure consistency of the different manuals;
    c. Recognised the importance of a discussion on the energy use by purpose to better define what can be statistical measured;
    d. Took note of the establishment of a new task force in Eurostat focusing of the future need for energy statistics.

Session 4: Chapter 1 Conceptual framework

12. During this session Ms. Karen Connaughton, Australian Bureau of Statistics and chapter coordinator, gave a presentation on the preliminary draft of chapter 1 and identified some

questions for discussion. The Oslo Group welcomed the draft chapter and the contribution to the chapter.

The Oslo Group:

13. Recommended the chapter to be titled "Introduction" and contain a section on the conceptual framework which describes the conceptual framework of IRES followed by the presentation of the differences and similarities with the conceptual framework of the SEEA-Energy. The Group also recommended to keep a short description of the difference between the IRES and SEEA-Energy in chapter 1 of the ESCM and present a more detailed description in chapter 6 of the ESCM.
14. Suggested to include in the chapter some text/reference to the following topics:
    a. the multipurpose approach promoted in IRES
    b. the policy relevance of energy statistics (for example, sustainability, emissions, etc.).
    c. a description of the relationship between the ESCM and the IRES (for example, if they are complementary documents, etc.)
    d. a reference to the chapter 7 on indicators and to the statistical production process model presented in chapter 8;
    e. a reference to the different frequency of energy statistics (e.g. structural , short term) for different purposes (to be further elaborated in chapter 4)
15. Recommended to also include users of energy statistics as the target audience of the ESCM.
16. Include some text on the complexity related to energy and energy products. Elements are already included, but need to be more precise. One could start with energy in general and then move towards energy products.

Session 5: Chapter 2: Legal foundations and institutional arrangements

17. During this session the following presentations were given: (i) Presentation of preliminary draft of chapter 2 by Mr. Carlos Roberto López-Pérez, Statistics Mexico (INEGI) and chapter coordinator; and (ii) "Intuitional Arrangements and Legal Framework in Canada" by Mr. Andy Kohut, Statistics Canada. The Oslo Group welcomed the draft chapter and the contribution to the chapter.

The Oslo Group:

18. Recommended the title of the chapter be "Legal framework and institutional arrangements" and present first the legal framework and then the institutional arrangements.
19. Acknowledged the legal system and the institutional arrangements as prerequisites for establishing a sound national statistical system for energy.
20. Stressed the importance of this chapter for the compilation of official statistics but underlined the need of making the text more specific to energy. In this regard, it is important for this chapter to provide country examples from a wide spectrum of situation, e.g. centralized to de-centralized statistical systems. Representatives from the UK and Sweden volunteered to contribute with text on their country practices which relates to the decentralised system.
21. Recognised that high quality energy statistic system can be organized according to different institutional systems in different countries. In this context, while the Oslo Group recommended that the text should not give a judgment value to any particular statistical systems; it could mention some common elements/features that are important in order to compile high quality energy statistics.

22. Suggested to look at the country examples in this chapter in relation to those presented in chapter 4; to see, for example, what data collection methods and data sources work well under what different institutional and legal systems;

23. Recommended to include some text on confidentiality which is often regulated by a legal framework.

Session 6: Chapter 3: Classification

24. During this session, by Ms Ilaria DiMatteo, UNSD and chapter coordinator, gave a presentation on the preliminary draft of chapter 3 and identified some questions for discussion. The Oslo Group welcomed the draft chapter and the contribution to the chapter.

The Oslo Group:

25. Recognized the importance of this chapter as classifications are key for the quality of energy statistics and that there is a need for practical guidance on the use of these classifications.

26. Recognized the importance of the linkages of the classifications used in IRES and ESCM with other international statistical classification in order to facilitate the integration of energy statistics with other statistics. In this regard, the Group agreed that: (a) the text should elaborate on the problematic linkages between SIEC, HS and CPC; (b) include reference to other classifications such as Prodcom, CPA, ISIC/NACE

27. Suggested to include some paragraphs describing energy and energy product.

28. Stressed the importance of including country practices in this chapter. For the classification of products, the representatives of Azerbaijan volunteered to provide some text on their country practice in the use of SIEC. For the use and classification of statistical units (e.g. household and enterprise/establishment), the Group agreed that it is useful to have country examples on the topic. The representative of Sweden volunteered to provide some text on the use of statistical units in the country.

29. Suggested to review the text and the taxonomy of energy uses in order not to exclude the energy industry own use.

30. Discussed whether the chapter should include a reference to dichotomy between renewables and non-renewables sources of energy as well as primary and secondary products. While acknowledging that these are not classification criteria in SIEC, the Group generally agreed that is useful to mention these concepts, but not fully elaborating on them.

31. Agreed that the text should include the classification relevant for electricity and heat plants. In addition, the issue of the proper recording of the energy input in desalination plants which generate electricity was raised. This should be addressed in the ESCM.

32. Raised the issue on the identification of the transformation of the energy products in the petrochemical industry. The representative of Statistics Netherlands volunteered to provide some text describing more the issue and how it is addressed in the country. The text may be included either in this chapter or in chapter 4.

33. Took note of the current work in Eurostat related classification/systematising of detailed energy consumption by purpose in households. The group discussed the need for international definitions and classifications for this field as, at the moment, there are no internationally agreed definitions and classifications suitable for the objectives requested by Eurostat.

Session 7: Chapter 4: Data sources and data collection

34. During this session the following presentations were given: (i) Presentation of preliminary draft of chapter 4 by Mr. Wolfgang Bittermann, Statistics Austria and chapter coordinator; (ii)

"Energy use in manufacturing sector - data sources and data collection" by Ms. Merja Eskelinen, Statistics Finland; (iii) "The use of client files of energy companies" by Mr. Hans Pouwelse, Statistics Netherlands; (iv) "Organization, collection and data challenges on energy statistics in Ghana" by Mr. Salifu Addo, Energy Commission of Ghana; and (v) "Other data items and unsolved issues" by Mr. Olav Ljones, Statistics Norway. The Oslo Group welcomed the draft chapter and the contribution to the chapter.

The Oslo Group:

35. Acknowledge that the structure of this chapter is not trivial and could be organized in different ways and additional work is needed to identify how to best organize information in the chapter (in order to be user-friendly). A suggestion was to organize data sources by groups of flows (e.g. supply, consumption).

36. Highlighted the importance of countries practices in this chapter to give examples on how countries collect and compile data. In this regard, the Group suggested to include country practices addressing specific topics/issues.

37. Provided a number of suggestions for the chapter to include:

    - a reference to the multipurpose approach to data collection and the reuse of data;
    - a link to the statistical production process that is presented in Chapter 8;
    - a reference to the use of secondary data sources for validation purposes;
    - some text on the data disclosure and challenge with confidentiality issues;
    - some text on the legal obligation which in some cases would decide what kind of data sources/collection methods to use.

38. Considered important that the chapter keeps the focus on data collection and compilation methods specific to energy statistics. Recommended that attention should be paid not to have overlaps with the information presented in other chapters of the ESCM. In particular, the discussion of quality aspects and metadata should not covered in detail in this chapter, but in Chapter 8.

39. Discussed if modelling should be included in the chapter and to what extent. Some suggested that it should be mentioned only when it is used for data collection/compilation (e.g. identifying the sample frame). Country practices could be included on this topic. This will be revisited once a revised draft chapter is available.

40. Agreed also to include some text on how to proceed in situations where data collection by questionnaires or administrative registers does not work (i.e. reference to the presentation from Ghana)

41. Suggested to include as country practice the use of client information for natural gas in the Netherlands.

42. Suggested to include also more information on energy prices (i.e. reference to paper prepared for the 4th Oslo group meeting in Ottawa) and how to provide good price information.

Session 8: Chapter 5: Compilation of energy balances

43. During this session the following presentation were given: (i) Presentation of preliminary draft of chapter 5 by Ms Ann Christin Bøeng, Statistics Norway and chapter coordinator; (ii) "The energy balance in Finland" by Ms. Leena Timonen, Statistics Finland; and (iii) "Azerbaijan's experience in making energy balance" by Mr. Rauf Gurbanov, State Statistical Committee of the Republic of Azerbaijan. The Oslo Group welcomed the draft chapter and the contribution to the chapter.

The Oslo Group:

44. Recommended some restructuring of the chapter. The Group suggested to start with a description of a commodity balance and how to go from commodity/ product balances to an energy balance. The Group also suggested to strengthen the introduction of the chapter and include more text on the purpose of the balances

45. Suggested to review the text in order to better align it with the terminology used in IRES. This is mainly relevant to the product lists in part B of the chapter, where energy product terms and categories should be reviewed.

46. Recommended that the chapter provide more practical guidance on how to compile the energy balances. The inclusion of country practices on specific issues/topics in the compilation of energy balances was considered particularly important in this regard.

47. Suggested to include in the text the following:

    - a description of methods/strategies that can be used to reduce high statistical difference in the balances;
    - a description of energy losses

48. Suggested to include in the energy balance a description of how to calculate the column "of this renewable" in the energy balance which is presented in the energy balance format in IRES.

49. Participants were encouraged to send written comments to the coordinator of the chapter.

Session 9: Chapter 6: Compilation on energy accounts

50. During this session the following presentations were given: (i) "Report from the 18th meeting of the London Group on Environmental Accounting" by Mr. Thomas Olsen, Statistics Denmark; (ii) "Coverage of the SEEA-Energy in the ESCM" by Ms. Ilaria DiMatteo, UNSD and Ms. Kristine Kolshus, Statistics Norway; (iii) "Energy Flow Accounts in Denmark" by Mr. Thomas Olsen, Statistics Denmark. This chapter of the ESCM aims at providing guidance on the compilation of the energy accounts of the System of Environmental-Economic Accounts for Energy (SEEA-Energy). The main objectives of the discussion were to better define the scope and coverage of this chapter and the working arrangements.

The Oslo Group:

51. Recognized the importance of having a chapter about energy accounts in the ESCM.

52. Agreed that the inclusion of a detailed guidance on the compilation of only parts of the accounts (e.g. physical flow accounts) is not a preferred option for the ESCM due to the multipurpose approach promoted in IRES and the ESCM and the fact that a number of data items in IRES were included in support of the accounts.

53. Was in principle favourable to the inclusion of a detailed compilation guidance on the full set of accounts of the SEEA-Energy; however reservations were expressed in terms of: (a) timing for the drafting of the text since the Oslo Group aims to have a complete draft ESCM for the next OG meeting in order to finalize it by the end of 2013; and (b) the length of the chapter which may be too long in relation to other parts of the ESCM.

54. Recognized the importance of having a balanced and consistent presentation among the different chapters of the ESCM. In this regard, the Group suggested that this chapter would follow the same style of presentation of chapters 5 on energy balances.

55. Suggested that the guidance on the compilation of the SEEA-Energy should explain how to use basic energy statistics to compile the energy accounts and focus on the specific data needs of the accounts (for the adjustments, for example, for the territory and residence principle).

56. Recognized the importance of a strong cooperation and consultation between the London Group and the Oslo Group with regard to the preparation of this chapter as relevant expertise lies in both groups.

57. Suggested that the Virtual meeting would be an important moment to review the available material and further discuss the scope of Chapter 6. A chapter coordinator and a group of countries willing to contribute to the drafting of the chapter will be identified after the Oslo Group meeting.

58. Considered particularly important that the ESCM is finalized by 2013. If chapter 6 cannot be prepared in time, the Group suggested that the guidance on the SEEA-Energy be prepared in a separate document and chapter 6 will contain a brief general discussion on the energy accounts.

Session 10: Chapter 7: Compilation of Energy indicators and Greenhouse gas emissions

59. During this session the following presentations were given: (i) Presentation of preliminary draft of chapter 7 by Mr. Martin Howley, Sustainable Energy Authority of Ireland and chapter coordinator; and (ii) "Role of energy statistics in the compilation of the greenhouse gas emissions inventory" by Ms. Riitta Pipatti, Statistics Finland. The Oslo Group welcomed the draft chapter and the contribution to the chapter.

The Oslo Group:

60. Recommended to keep current structure of the chapter.

61. Recommended to include country practices in the presentation of different indicators.

62. Agreed to present the indicators in the chapter as examples of indicators that can be calculated/used and not as a recommended list of indicators. The Group also recommended not to include composite indicators in the chapter.

63. Recommended that the text on emission would only have the purpose of highlighting the importance of energy statistics for the calculation of emissions. No details on the methodology to calculate emission should be covered in the ESCM. The text could mention the importance of cooperation between the energy statisticians and statisticians working with emissions.

64. Suggested to include, when necessary, specific warnings on the compilation and/or interpretation of the indicators presented in the chapter. Some examples were provided during the discussion such as the importance of the choice of the base year for the calculation of the constant price when making international comparisons and the seasonal corrections.

65. Recommended to consider climate correction as an important aspect to account for seasonal and temperature effect on the indicators. Country examples could be included on this topic and suggested that further discussion takes place in the Oslo Group to share and review methods and practise.

66. Took note of the future changes in the reporting for emission inventories by the UNFCCC to also include energy balances.

Session 11: Chapter 8: Data quality and metadata

67. During this session the following presentations were given: (i) Presentation of preliminary draft of chapter 8 by Mr. Andy Kohut, Statistics Canada and chapter coordinator; (ii) "Collecting, Processing, Storing and Disseminating Egyptian Energy Data" by Mr. Tawfik Azer, Misr Petroleum Company. The Oslo Group welcomed the draft chapter and the contribution to the chapter.

The Oslo Group:

68. Suggested that the chapter include more reference to energy specific examples of data quality and metadata as well as country examples. In this regard, the representative of Azerbaijan volunteered to provide some text on their country experience.

69. Suggested to include some text with regards to data quality on the following:

    - specific energy issues that will affect quality (e.g. losses, weighting, measuring, calorific values, prices, etc.);
    - the challenges with consistency within energy statistics itself and in relation to other statistical areas;
    - the practice of using secondary sources for validating purposes
    - the use of the balances as a quality check.

70. Recommended to adapt the General Statistical Business Process Model to include administrative data sources. At the moment the Model seems to apply only to surveys.

71. Suggested to see if some text can be added on how to guarantee quality in a decentralised model vs. a centralised system.

72. Recommended to include in this chapter some guidance for countries that do not have yet a well developed energy system.

Session 12: Chapter 9: Data dissemination

73. During this session the following presentations were given: (i) Presentation of preliminary draft of chapter 9 by Mr. Maluta Robert Kwinda, National Department of Energy South Africa and chapter coordinator; (ii) "Data dissemination – UK experiences" by Iain MacLeay, DECC. The Oslo Group welcomed the draft chapter and the contribution to the chapter.

<u>The Oslo Group:</u>

74. Recommended to include more practical examples throughout the chapter on specific topics in data dissemination..

75. Recommended to include more text on confidentiality. Confidentiality and the need for public information are discussed in IRES and it is important that this chapter provides more information on how to deal with confidentiality. In this regard, examples of country practices were considered particularly useful to include in the chapter.

76. Recognised the importance of meeting user needs and ensure that the user needs are met. The Group suggested that some text should be added to give some guidance and country examples on this topic.

77. Suggested also to include some text and possible country example on the following topics:

    - revision of data;
    - release schedule and pre-release
    - dissemination of micro-data, particularly in relation to confidentiality issues.
    - format of the disseminated data (e.g. figures, tables, etc.)
    - risk of disclosure when using new technology to disseminate data.
    - data exchange format, SDMX

78. Took note of the fact that some countries have establish Twitter-account related to their energy statistics but baring in mind that twitter/facebook bring new challenges with regard to disclosure and confidentiality.

79. Recommended to include some text on the international dissemination strategies and how these can be relevant for energy statistics.

80. Encourages members of the Oslo Groups to provide more country examples in order to provide information on how the dissemination is done in various countries.

81. Recognised that institutions other than the national statistical offices can be in charge of the dissemination of energy statistics. In this regard, the Group suggested to review the text does not refer exclusively to statistical offices.

Session 13: Summary and the way forward – List of issues for 2012/2013

82. Mr. Olav Ljones and Ms. Kristine Kolshus presented a brief summary of the main conclusions of the meeting.

83. Members of the Oslo Group were encouraged to send comments and country practices to the coordinators of the chapters and be active in the revision of the chapters. The chapter coordinators will revise the chapters based on the comments received during this meeting.

84. The Oslo Group agreed on the following future working plan:

- A virtual meeting before the 8th Oslo Group meeting to review new revised chapters of the ESCM. The Virtual meeting is tentatively planned to be held in March 2013.
- The 8th Oslo Group meeting will take place in Baku, Azerbaijan and it is planned to take place before the summer 2013 to review the complete draft of the ESCM.
- Finalization of the ESCM by end of 2013.

85. In the concluding statements, Mr. Olav Ljones and the Oslo Group thanked Statistics Finland for hosting and organising this 7th Oslo Group meeting in Helsinki and welcomed the offer from the delegates from Azerbaijan to host the 8th Oslo Group meeting in Baku, Azerbaijan.

86. Mr. Olav Ljones informed the Oslo Group that Statistics Norway will not continue to act as the Chair and Secretariat of the Group after 2012. He announced that Mr. Andy Kohut, Statistics Canada, will serve as the new Chair of the Oslo Group starting after the UNSC meeting in 2013. Andy Kohut accepted to take over as chair and thanked Olav Ljones for his contribution.

87. The Oslo Group also appreciated the good work of the Secretariat in ensuring that the progress of the work and a smooth organization of the Oslo Group meetings.

88. The Oslo Group welcomed the new Chair and Secretariat.

ANNEX 1: Agenda of the meeting

Tuesday 23 October

Chair: Mr . Olav Ljones (Statistics Norway)

08:30 - 09:30 - Session 1: *Inauguration*

- Welcome address from Deputy Director General, Statistics Finland — Ms. Hilkka Vihavainen
- Opening address from the Chair of the Oslo Group — Mr. Olav Ljones

09:30 – 10:00: *Coffee/Tea*

10:00 – 10:15: Session 2: *The Oslo Group*

- Activities in the Oslo Group since the 6th meeting in Canberra. — Ms. Sigrid Hendriks Moe, Statistics Norway

10:15 – 11:45: Session 3: *Energy Statistics Compilers Manual - Introduction*

- Purpose and object of ESCM. — Ms. Ilaria DiMatteo, UNSD
- The roles and contribution of countries, organization and UNSD
- Further process and the time-line for the finalization of ESCM
- General overview of other manuals on energy statistics and indicators (IEA, Eurostat, others)
- Eurostat project; Final energy consumption in households. — Mr. Pekka Loesoenen, Eurostat
- Status of IEA Energy Efficiency Template and Manual. — Ms. Karen Treanton, IEA
- Discussion of outline and work plan

11:45 – 12:00: Photo Session

12:00 - 13:00: Lunch

Chair: UNSD: Ms. Ilaria DiMatteo (UNSD)

13:00 - 14:15: Session 4*: Chapter 1 Conceptual framework*

Purpose: Agree on layout and content of chapter 1

- Presentation of preliminary draft of chapter 1 — Ms. Karen Connaughton, Australian Bureau of Statistics
- Discussion and conclusion

14:15-14:30: Coffee/Tea

14:30 – 16:00: Session 5*: Chapter 2: Legal foundations and institutional arrangements*

Purpose: Agree on layout and content of chapter 2

- Presentation of preliminary draft of chapter 2 — Mr. Carlos Roberto López-Pérez, Statistics Mexico (INEGI)
- Institutional Arrangements and Legal Framework in Canada — Mr. Andy Kohut, Statistics Canada
- Discussion and conclusion

Wednesday 24 October – Chair: Mr. Olav Ljones

09:00-10:00: Session 6: *Chapter 3: Classification*

Purpose: Agree on layout and content of chapter 3

• Presentation of preliminary draft of chapter 3	Ms. Ilaria DiMatteo, UNSD
• Discussion and conclusion	

10:00 - 10:15: Coffee/Tea

10:15 – 12:30: Session 7: *Chapter 4: Data sources and data collection*

Purpose: Agree on layout and content of chapter 4

• Presentation of preliminary draft of chapter 4	Mr. Wolfgang Bittermann Statistics Austria
• Energy use in manufacturing sector - data sources and data collection.	Ms. Merja Eskelinen, Statistics Finland
• The use of client files of energy companies	Mr. Hans Pouwelse, Statistics Netherlands
• Organization, collection and data challenges on energy statistics in Ghana.	Mr. Salifu Addo, Energy Commission of Ghana
• Other data items and unsolved issues	Mr. Olav Ljones, Statistics Norway
• Discussion and conclusion	

12:30 – 13:30: Lunch

14:00 – 18:00: Social Event organized by Statistics Finland; A guided walking tour to the Nuuksio National Park. Remember to bring warm clothes and comfortable shoes.

19:30-22:00 Official Dinner sponsored by Statistics Finland at the Sipuli Restaurant

Thursday 25 October – Chair: Ms. Leena Storgårds (Statistics Finland)

09:00 – 10:00: Session 8*: Chapter 5: Compilation of energy balances – Part 1*

Purpose: Agree on layout and content of chapter 5

• Presentation of preliminary draft of chapter 4	Ms. Ann Christin Bøeng, Statistics Norway
• Presentation of the energy balance in Finland	Ms. Leena Timonen, Statistics Finland

10:00 - 10:15: Coffee/Tea

10:15 – 11:00: Session 8*: Chapter 5: Compilation of energy balances – Part 2*

• Azerbaijan's experience in making energy balance	Mr. Rauf Gurbanov , State Statistical Committee of the Republic of Azerbaijan
• Discussion and conclusion	

11:00 – 12:00: Session 9: *Chapter 6: Compilation on energy accounts*

Purpose: Agree on layout and content of chapter 6

• Report from the 18th meeting of the London Group on Environmental Accounts	Mr. Thomas Olsen, Statistics Denmark

- Coverage of the SEEA-Energy in the ESCM. — Ms. Kristine Kolshus, Statistics Norway and Ms. Ilaria DiMatteo, UNSD
- Energy Flow Accounts in Denmark — Mr. Thomas Olsen, Statistics Denmark

12:00 – 13:00: Lunch

***13:00 – 14:30: Session 9**: Chapter 6: Compilation on energy accounts*

- Implementation of energy accounts in Finland — Ms. Jonna Hakala, Statistics Finland
- Discussion and conclusion

14:30 – 14:45: Coffee/Tea

***14:45 – 16:00: Session 10:** Chapter 7: Compilation of Energy indicators and Greenhouse gas emissions*

Purpose: Agree on layout and content of chapter 7

- Presentation of preliminary draft of chapter 7. — Mr. Martin Howley, Sustainable Energy Authority of Ireland
- Role of energy statistics in the compilation of the greenhouse gas emissions inventory. — Ms. Riitta Pipatti Statistics Finland
- Discussion and conclusion

17:00 – 18:00: Option to go to sauna cabinets, arranged by Statistics Finland

Friday 26 October: Chair: Mr. Andy Kohut (Statistics Canada)

***09:00 – 10:30: Session 11**: Chapter 8: Data quality and metadata*

Purpose: Agree on layout and content of chapter 8

- Presentation of preliminary draft of chapter 8 ▪ — Mr. Andy Kohut, Statistics Canada
- Collecting, Processing, Storing and Disseminating Egyptian Energy Data — Mr. Tawfik Azer, Misr Petroleum Company
- Discussion and conclusion

10:30 – 10:45: Coffee/Tea

***10:45 – 12:00: Session 12**: Chapter 9: Data dissemination*

Purpose: Agree on layout and content of chapter 9

- Presentation of preliminary draft of chapter 9 — Mr. Maluta Robert Kwinda, National Department of Energy South Africa
- Data dissemination - UK experiences. — Iain MacLeay, DECC
- Discussion and conclusion

12:00 – 13:00: Lunch

***13:00 – 15:00: Session 13:** Summary and the way forward – List of issues for 2012/2013*

- Summary — Mr. Olav Ljones and Ms. Kristine Kolshus, Statistics Norway
- The way forward, time schedule, meeting activity and discussion — Ms. Ilaria DiMatteo, UNSD, Mr. Olav Ljones

ANNEX 2: List of Participants

Australia	**Ms. Karen Connaughton** Acting Director Entv Section Australian Bureau of Statistics E-mail: karen.connaughton@abs.gov.au
Austria	**Mr. Wolfgang Bittermann** Head of Energy Statistics Statistics Austria E-mail: Wolfgang.Bittermann@statistik.gv.at
Azerbaijan	**Mr. Yusif Yusifov** Head of Quality Management and Information Technology Department State Statistical Committee of the Republic of Azerbaijan E-mail: yusify@azstat.org **Mr. Rauf Gurbanov** Deputy Head of the Industry and Construction Statistics Department State Statistical Committee of the Republic of Azerbaijan E-mail: raufg@azstat.org
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Denmark	**Mr. Ali Zarnaghi** Head of Section M Sc (Econ.) Danish energy Agency E-mail: aaz@ens.dk
Egypt	**Mr. Tawfik Azer** General Manager Misr Petroleum Company E-mail: tawfikazer@gmail.com

Finland	**Mr. Ville Vertanen** Head of Statistics Environment and Energy Statistics Statistics Finland E-mail: ville.vertanen@stat.fi **Ms. Leena Timonen** Senior Statistician Statistics Finland E-mail: leena.timonen@stat.fi **Ms. Leena Storgårds** Director of Business Structures Statistics Finland's E-mail: leena.storgards@stat.fi
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