

**Economic and Social Council**

Distr.: General
17 March 2022
Original: English



**Food and Agriculture Organization
of the United Nations**

Economic Commission for Europe

Food and Agriculture Organization

Committee on Forests and the Forest Industry

European Forestry Commission

Joint ECE/FAO Working Party on Forest Statistics,

Economics and Management

Forty-third session

Geneva, 1-3 June 2022

Item 5 (a) of the provisional agenda

Guidance on Work Areas

Work Area 1: Data, monitoring, reporting and assessment

Note by the secretariat

Summary

In accordance with its mandate, the Joint United Nations Economic Commission for Europe (ECE)/Food and Agriculture Organization of the United Nations (FAO) Working Party on Forest Statistics, Economics and Management (Joint Working Party) is expected to provide guidance on Work Area 1: Data, monitoring, reporting and assessment. This document provides information about activities in this Work Area since the Joint Working Party's last session in March 2021, as well as plans for 2022, drawing the Joint Working Party's attention to any specific issues where guidance is needed.

The initial set of activities in Work Area 1 for the year 2023 will be made available in document ECE/TIM/EFC/WP.2/2022/Inf.4 and discussed under Agenda Item 6.

This document is submitted in accordance with ECE/TIM/2021/2-FO:EFC/2021/2, annex II, section III.



I. Forest Resources

A. Data collection and monitoring

1. Global Forest Resource Assessment / Collaborative Forest Resources Questionnaire

1. With the conclusion of the 2020 Global Forest Resources Assessment (FRA) cycle in July 2020, the preparatory work for the 2025 cycle began. The Joint ECE/FAO Forestry and Timber Section (Joint Section) is cooperating with the FAO FRA secretariat in this process. In addition to the overall analysis and review undertaken mainly through the Team of Specialists (ToS) on Monitoring Sustainable Forest Management (SFM), the Joint Section has started a project aimed at improving the consistency of reporting on forest damage/disturbance. Further, the Joint Section supported the FAO FRA secretariat in developing the reporting format on primary forests.

2. The Joint Section will continue cooperation with the FAO FRA secretariat in providing support to the preparation for the 2025 FRA cycle. This work will include the substantive input to the development of reporting formats and tools, as well as the contribution to the preparatory process, notably, to the FAO's Expert Consultation on Global Forest Resources Assessment, planned for June 2022, and to the FRA 2025 Advisory Group. The ECE/FAO Team of Specialists on Monitoring SFM will play an important role in this process.

2. Joint Forest Europe/ Joint United Nations Economic Commission for Europe / Food and Agriculture Organization of the United Nations pan-European reporting on Sustainable Forest Management

3. The conclusion of the 2020 pan-European data collection on quantitative indicators, carried out jointly by the FAO FRA secretariat, the Forest Europe Liaison Unit Bratislava, and the Joint Section, also opened the 2025 cycle of that data collection process.

4. At its joint session (Rome, Italy, and online, 22-25 November 2021), the ECE Committee on Forests and the Forest Industry (COFFI) and the FAO European Forestry Commission (EFC) requested FAO and ECE to continue to work with Forest Europe on the joint 2025 data collection on forests and forest management in the pan-European region.

5. The Joint Section, the FAO FRA secretariat and the Liaison Unit Bonn of Forest Europe initiated the preparatory process of the new cycle. As previously, the pan-European forest data collection will be carried out in close coordination with the FAO Global FRA. In addition to the involvement of the same national experts and reviewers for both processes, data will be collected online through compatible reporting formats.

B. Assessment and Reporting

1. Forest damage/disturbance assessment

6. The Joint Section continued its work on the project of assessing forest damage and disturbance in the ECE region. The authors' team issued a survey to analyse the current national and international reporting needs, as well as the capacities for forest damage and disturbance in the region. The results of the survey were analysed and evaluated by the authors and the Joint Section. Contributing chapters of the report are completed and concluding recommendations for the improved international and national reporting on forest damage and disturbance are under development.

7. The main report is scheduled for publication in the autumn of 2022. The report discusses conceptual foundations and methodological approaches and contains an analysis of the comprehensiveness of current forest damage and disturbance reporting in the ECE region. Other chapters cover trends in forest damage and disturbance, along with innovative monitoring methods for data collection.

8. The final meeting is planned for September 2022, in Vienna, Austria. The event will include panel discussions, keynote speakers, presentations and a thematic field trip. The

proposed thematic sessions are highlighting project results, national and international work, as well as conclusions for future reporting schemes on forest damage and disturbance.

9. The Joint Section and the team of authors is seeking guidance and feedback from the Joint Working Party on the national and international assessment of forest damage and disturbance. An information document (ECE/TIM/EFC/WP.2/2022/Inf.4) with detailed information and guiding questions will be shared before the meeting. A dedicated discussion during the Joint Working Party's session aims to raise awareness among stakeholders, data providers and data users, including policy and other decision makers, on the complex nature of forest damage and disturbance. That will serve as one of building blocks of possible work on a related assessment system.

10. The Joint Section would like to express their gratitude to the governments of Austria, Canada, Finland, Germany, and the United States of America for their financial and in-kind support to the project.

2. Data and Knowledge Platforms

11. The Joint Section, alone or in cooperation with partner organizations and processes, collects data covering almost all aspects of the state of forests, their management and their use, as well as information on forest-based products and services in the region. This data is public but difficult to access by external viewers because it is not easily accessible and often stored in disjunct locations. Therefore, the Joint Section continued to work on the development of tools to improve the data's availability and use, especially for external audiences.

12. With the conclusion of the 2020 FAO FRA cycle, collected data was made available through the FAO FRA platform, developed with the support of the Joint Section. With an aim of increasing the usability of this data, a new functionality providing access to different geographical or organizational groupings of countries was added to the platform. Data is available at <https://fra-data.fao.org/UNECE/fra2020/home/>.

13. The Joint Section and the FAO FRA secretariat, with the support of the Forest Europe Liaison Unit Bratislava, successfully concluded the work on the Pan-European Forest data platform. All the data on quantitative indicators collected in the 2020 pan-European process is available online¹, in a similar format as the FAO Global FRA data platform. The applied format is expected to strengthen the usability and visibility of this information beyond the pan-European region.

14. "INForest", the online data and knowledge platform for forests in the ECE region (<https://forest-data.unece.org>), provides the most up-to-date information on forest resources, their changes and their uses over the past decades. The information includes all forest-related SDG indicators, selected Global Forest Core Set indicators and key variables related to the production, trade and consumption of forest products. The data is presented in an innovative way, giving users the flexibility to define the scope of the search, format and geographic coverage of the data selected.

15. INForest was developed by the Joint Section and external experts, supported by the Team of Specialists on Forest Products Statistics and the Team of Specialists on Monitoring Sustainable Forest Management. INForest contains the latest figures for 2020. "INForest" is currently available in Czech, English, French, German, Polish, and Russian. All non-English language versions were provided as in-kind contributions by national organizations or individual experts.

16. The ECE Statistical Database shares forest sector information with forest professionals as well as experts from other sectors and the public at large. Since 2009, the Joint Section has continually updated this database², which has been downloaded hundreds of thousands of times since then. The 2022 Forestry module (in English and Russian)

¹ <https://www.fao.org/forest-resources-assessment/partnerships/pan-european-partnership/en/>.

² <https://w3.unece.org/PXWeb/en>.

comprises data on key forest, forest management, forest products and forest ownership indicators for the entire ECE region.

17. The Joint Section would like to express its appreciation to the FAO FRA secretariat and the Forest Europe Liaison Units for their cooperation on forest monitoring in the region. The Joint Section is grateful to the experts (national and international) involved in the process and to the government of Switzerland for providing financial support.

C. Team of Specialists on Monitoring Sustainable Forest Management

18. The ToS on Monitoring SFM continued its work on global and regional reporting on forests and sustainable forest management. The second session of the fourth meeting of the ToS was held online on 21 April 2021 and completed the first session which was held on 2 December 2020. In addition, there were regular, monthly coordination meetings of the core group of the Team, with the participation of deputy leaders and coordinators of the task groups (on forest damage and forest databanks).

19. In 2021, the ToS concluded its work on the 2020 cycle of the global and pan-European reporting on forests and SFM by organizing a webinar on monitoring sustainable forest management on 21 April 2021. Furthermore, the Team contributed to the project “Assessment of forest damage/disturbance in the UNECE region”.

20. The Team will submit an overview of its past work in an Information Note to be made available on the website of the Joint Working Party meeting. The mandate of the Team runs from 2022-2023. The next meeting of the Team is scheduled for 28 September 2022, in Vienna, Austria. The secretariat will brief the Joint Working Party about the nomination process of its members for the period 2022-2023 during the session of the Joint Working Party.

D. Key points on forest resources for guidance and discussion

21. The Joint Working Party is invited to:

(a) Take note of the data collection processes for global and regional reporting, comment on the implementation of the 2020 cycle and make recommendations for future work in this area;

(b) Take note of the tools developed for sharing forest sector related information, such as the FAO FRA data platform, the Joint ECE/FAO/Forest Europe pan-European database, the ECE/FAO INForest knowledge platform and the ECE Statistical Database, and provide advice on possible follow-up;

(c) Actively engage in the discussion and provide input and feedback to the ongoing project on reporting and assessment of forest damage and disturbance in the ECE region;

(d) Review the work of the ToS on Monitoring Sustainable Forest Management and make recommendations for its work.

II. Forest products production, trade, and consumption

A. Data collection

1. Joint Forest Sector Questionnaire

22. The annual data collection with the Joint Forest Sector Questionnaire (JFSQ) continued with highly satisfactory response rates in 2021. The JFSQ2020 (collecting data for the reference year 2020) had 45 responses and 19 updates (compared with 47 responses and 18 updates in 2019). This data was published in the statistical annex accompanying the Forest Products Annual Market Review 2020-2021 (FPAMR), and through FAOSTAT (updated in

August and December 2021). Table 1 in the annex of this document shows the results of replies to the JFSQ for the last 25 years.

23. The number of datapoints provided remained unchanged. Several replies for trade data were unusable, either because the JFSQ format was not used or there were significant unexplained discrepancies with previous data.

24. The Joint Section organized a short on-line JFSQ question-and-answer session on 20 May 2021. This was well-attended, with over 40 participants. The session highlighted several issues which were unclear to correspondents or the secretariat. Some of these will be addressed in this year's JFSQ. In part, the exceptional response rates for 2019 and 2020 can be attributed to a capacity-building workshop held in February 2021 and the May 2021 question-and-answer session.

25. Currently, the secretariat uses trade data from national correspondents and checks discrepancies found against the United Nations Trade database (COMTRADE) and Trade Data Monitor. If data from these two sources are used, this is indicated as an estimate. Advantages of this procedure are an earlier data availability and direct access to the information without data changes introduced by processing at COMTRADE.

26. The processing of the JFSQ is planned to pursue its annual processing schedule despite staff changes in the Joint Section (retirement of the statistical assistant) Hence, the deadline for the JFSQ will be late May 2022. The Joint Secretariat agreed with FAO that the final dataset will be provided to FAOSTAT in December 2022.

2. Timber Forecast Questionnaire

27. The Timber Forecast Questionnaire (TFQ) collects forecasts for the current and following year. These are used to provide information to the meeting of COFFI. The secretariat received forecasts from 32 countries. The number of datapoints remained the same. The secretariat received sufficient timely forecasts to be included in the analytical part of the FPAMR for a second time after the previous edition of the "Review" in 2020.

28. The full forecasts (31 tables) were made available at the COFFI meeting, incorporated in the Market Statement, and published online in Excel and PDF formats as well as a publication.

29. For the past two years, the published forecasts contain supplied data, but no longer repeated previous values for non-responding countries. That change resulted in highlighting more distinct trends. At the same time, the totals are not comparable with actual total production as reported in the FPAMR or other sources.

30. Due to time constraints, and for the first time, the November 2022 session of the COFFI will not include a market discussion in the plenary. The secretariat still intends to follow the normal schedule for the data collection through the TFQ and will inform member States about a possible focused market related event back-to-back with COFFI.

3. Engineered Wood Products

31. Due to resource constraints, it was not possible to carry out a third round of this trial questionnaire. Last year's document (ECE/TIM/EFC/WP.2/2021/3) provides information on the previous two rounds.

4. Price databases and trade flow

32. The price database (84 time series) was updated in June 2021. These actual national price data for a selected number of highly specific assortments are made available through public and private sources who share them with the Joint Secretariat free of charge. The data series provided are highly specific to individual countries and products. Again, in 2021, the price database remained the most downloaded file of the Joint Section's website³.

³ <https://unece.org/forests/prices>

33. A second set of price data, showing traded calculated unit values for imports and exports from the JFSQ, is also available each summer after the preparation of last year's initial data. This provides a long time series at a high level of aggregation.

34. As part of the work on the FPAMR, the Joint Section prepares a set of trade flow tables showing trade (by value) for 8 main products⁴. It highlights flows between the leading exporters and importers, organized by region. The data is taken from COMTRADE. Owing to the incomplete data for last year, the trade flow tables illustrate an average of the previous two years.

5. International matters

35. The Intersecretariat Working Group on Forest Products Statistics (IWG) held an informal meeting in June 2021 and a regular meeting on 1-2 March 2022. The IWG consists of the ECE, FAO, Eurostat, and the International Tropical Timber Organization (ITTO). Together they manage the JFSQ. Background information and documents from all meetings since 2001 are available at <https://unece.org/forests/iwg>.

36. The Joint Working Party and Team of Specialists have encouraged pursuing changes in the international classification of traded goods, known as the Harmonised System (HS) in previous sessions. The World Customs Organization (WCO) is now accepting proposals for the next revision to take effect in 2027. The secretariat circulated a letter to members of the Team of Specialists on Forest Products Statistics and the Joint Working Party requesting comments and additions to a preliminary list prepared by the IWG in 2021. A final list of suggestions for new items in HS 2027 was prepared at the IWG held in March 2022. Should it prove feasible to justify these items' inclusion and provided there are adequate definitions related to their specific physical properties, this will form the starting point for preparing a package on behalf of the IWG to submit to the WCO later this year.

37. Discussion at the IWG meeting in March 2022 included the review of activities in 2021 and plans for data exchanges in 2022. The IWG will prepare plans for the adjustment of the JFSQ to the 2022 revised nomenclature of the Harmonized System. The Team of Specialists on Forest Products and Wood Energy Statistics. The Joint Working Party will be asked for proposals for the items to include in the JFSQ.

38. In 2020 and 2021 the ITTO reminded several countries of their obligation under the 2006 International Tropical Timber Agreement to provide statistics. This resulted in some additional replies to the JFSQ.

39. The FAO statistical system of flags (indicating status of data) has been modified to be in compliance with Statistical Data and Metadata eXchange standards (SDMX). One effect is that aggregates (e.g., wood-based panels) are being flagged as estimates even when the data have been supplied officially. One solution to this is providing a specific flag at FAO to handle such data. The FAO invited the Team of Specialists to discuss the flags and the secretariat will provide a short update on the matter during the session.

40. The revised FAO Forest Products Classification has been published and is available at <http://www.fao.org/3/cb8216en/cb8216en.pdf>. This information is the cornerstone of international definitions. FAO is also preparing input for version 3 of the United Nations Central Product Classification.

41. FAO has suspended the publication of bilateral trade flow data since 2020. More aggregated trade flows by value are available on the ECE website as mentioned above. The secretariat will invite FAO to present these matters.

B. Team of Specialists on Forest Products and Wood Energy Statistics

42. The Team of Specialists of Forest Products Statistics met in April 2021. A report of the meeting is available at <https://unece.org/info/Forests/events/354808>.

⁴ <https://unece.org/forests/forest-products-trade-flow>.

43. The Foresta2021 Joint COFFI/EFC Session in November 2021 approved the new Integrated Programme of Work. In line with that Integrated Programme of Work, the secretariat merged the Team on Statistics with the Wood Energy Team. Nominations have been received for the newly merged Team. A key point for the Team will be to determine how to carry out its work on two complementary subjects in an efficient manner.

44. The merged Team of Specialists on Forest Products and Wood Energy Statistics which will hold its first meeting on 13 April 2022, will be invited to submit an overview on the past work in an Information Note to be made available on the JWP meeting website. The mandate of the Team runs from 2022-2023.

C. Key points on forest products data collection for guidance and discussion

45. The Working Party is invited to:

- (a) Provide guidance to the secretariat on which source of trade data to give preference when processing the JFSQ;
- (b) Comment on the list of proposals for the HS2027;
- (c) Propose revisions to the JFSQ for 2023;
- (d) Comment on the deadlines for the JFSQ and the TFQ and the data processing and exchanges planned for 2022;
- (e) Comment on the outcome of the discussions on Statistical Data and Metadata eXchange.

D. Forest products market assessment

1. The Forest Products Annual Market Review

46. The secretariat successfully prepared the Forest Products Annual Market Review 2020-2021⁵ and submitted the text for layout on 10 October 2021. The final version of the document was uploaded to the website of the Joint Section on 10 November 2021. The secretariat would like to express its gratitude to Sweden for their financial support; the United States Forest Service for allowing four of its staff members to dedicate time to prepare their contributions to several chapters; as well as to the three interns from the Bern University of Applied Sciences, the Swedish University of Agricultural Science (SLU), and the University of British Columbia (UBC). The publication was officially launched during the Joint Session of the ECE Committee on Forests and the Forest Industry and the FAO European Forestry Commission – where it served as the background document to the market discussions.

47. The secretariat applied the same, shortened, structure to the Review 2020-2021 as in the previous year with seven chapters. The high reply rate to the TFQ enabled the secretariat to include once again a short segment on market outlooks in the various subregions in each commodity focused chapter. The list of references was made available online only via a QR code. The secretariat prepared the Review 2020-2021 as an English-only publication owing to lack of translation resources available. The Review 2020-2021 is available in print as well as PDF on the website (<https://unece.org/forests/fpamr2021>). A summary of the main findings of the Review 2020-2021⁶ is available in French (https://unece.org/sites/default/files/2021-12/ECE_TIM_2021_4-FO_EFC_2021_4%20fr_0.pdf), Russian (https://unece.org/sites/default/files/2021-12/ECE_TIM_2021_4-FO_EFC_2021_4%20ru.pdf) and Spanish (https://unece.org/sites/default/files/2021-11/NH134_FO_EFC_2021_4_es.pdf) in document ECE/TIM/2021/4 FO:EFC/2021/4 .

⁵ https://unece.org/sites/default/files/2021-11/2114516E_Inside_Final_web.pdf.

⁶ <https://documents.un.org/prod/ods.nsf/xpSearchResultsM.xsp#>.

48. The ToS on Sustainable Forest Products was instrumental in providing experts and input to the Review 2020-2021. In November and December 2021, the secretariat consulted with the ToS on possible further improvements and the ToS provided the following suggestions for the Review:⁷

- (a) Continue with the short format;
- (b) Strive for earlier publication (currently draft in August, final in November);
- (c) Expand forward-looking aspects;
- (d) Split the chapter on sawnwood and report separately on sawn softwood and sawn hardwood;
- (e) Include more information on wood products in a circular economy (e.g., report more on wood waste – data, legislation, trade, etc.) and expand on other uses of wood fibres – particularly improve on engineered wood products;
- (f) Increase the involvement of the ToS – e.g., in specific input or review of certain chapters (e.g., cross laminated timber in North America, wood waste, modular construction);
- (g) Consider launching a user survey to better understand the audience and the use of the publication.

49. In view of improving the uptake of critical graphs and tables in other publications and reports, the Team of Specialists on Sustainable Forest Products advised to publish separately all graphs and tables of the Review in an easily usable file format on the website

50. At the time of writing, the secretariat had not received any financial support from member States for the Review 2021-2022. Further details and updates on the Review will be presented at the meeting.

51. In addition to the suggested changes by the Team of Specialists, the secretariat decided to conduct a “Self-evaluation on the relevance of the Forest Products Annual Market Review to the needs of member States and challenges in the forest sector”. This assessment is usually conducted on regular and extrabudgetary projects and products. The assessment will, in this case be funded through the ECE regular budget. The self-evaluation will be conducted by an external auditor and may include a desktop assessment, a survey and some expert interviews. The work will be undertaken primarily in the second and third quarters of 2022.

2. Discussion and market statements

52. The Joint Section invited member States to prepare country market statements as background for Foresta2021. Sixteen countries submitted statements (2020, 17) which are available on the website (<https://unece.org/forests/2021-country-market-statements>). They provide an excellent level of country-specific detail on forest products markets, and the economic and policy contexts affecting them. The secretariat wishes to express its gratitude to member States for the comprehensive information provided.

53. The market discussions during Foresta2021 were organized by the secretariat and included two presentations on commodities with the biggest volumes in the ECE region – industrial roundwood and sawnwood. The presenters updated the Joint Session about the very dynamic developments of sawn softwood prices in North America, their impact on global trade flows as well as their impact on raw material prices in the ECE region. The presenters looked back on the effects of COVID-19 on the production, trade, and consumption of roundwood and sawnwood. In their short-term market outlook, the speakers used the forecast information provided by member States.

54. The drafting group agreed on the final version of the Market Statement for Foresta2021. It combines the information provided by member States from the JFSQ, TFQ, Country Market Statements and market discussions. The Market Statement 2021 can be found in the annex of the Foresta2021 meeting report (ECE/TIM/2021/2-FO:EFC/2021/2).

⁷ <https://unece.org/info/Forests/events/363915>.

3. COVID-19 and Forest Sector

55. The secretariat published two studies related to COVID-19 and its impact on the forest sector: COVID-19 impacts on the forest sector in Eastern Europe, Caucasus and Central Asia (<https://unece.org/info/Forests/pub/363314>) and COVID-19 impacts on the forest sector in countries in the Western Balkans (<https://unece.org/info/Forests/pub/357509>).

56. These two studies were a major source of information in the preparation of the Background Paper on the Initial Assessment of the Impact of COVID-19 on Sustainable Forest Management in Eastern European States⁸. The secretariat's work therefore also contributed indirectly to the UNFF Expert Group Meeting on the Assessment of the Impact of the COVID-19 Pandemic on Sustainable Forest Management.

57. Many of the 2021 country market statements by member States contained information on the impact of the COVID-19 pandemic on the forest products markets in the past year.

E. Team of Specialists on Sustainable Forest Products

58. The secretariat serviced one meeting of the Team of Specialists on Sustainable Forest Products that was held online on 24 November and 9 December 2021, since the first meeting was not able to cover all items of the agenda. The secretary of the FAO Advisory Committee on Sustainable Forest Industries attended the meeting and presented its work. The secretariat strives to continuously improve the communication between these two expert bodies, as was requested by COFFI during its seventy-eighth session in 2020.

59. The annual report of the Team will be made available on the website of the Joint Working Party meeting and more information is available in the report of the November/December meeting of the Team⁹. The mandate of the Team runs from 2022-2023. The secretariat will brief the Joint Working Party about the nomination process during the meeting.

F. Key questions on market assessment for guidance and discussion

60. The Joint Working Party is invited to:

- (a) Provide feedback on the improvements of the Review proposed by the Team of Specialists on Sustainable Forest Products and discuss possible ways forward;
- (b) Discuss whether to phase out printed versions of the FPAMR and, in the future, move to exclusively online, machine readable versions ;
- (c) Consider a longer-term perspective to produce the FPAMR through a sound financial basis for expert contributions to the various chapters;
- (d) Advise the secretariat on how to best discuss forest products markets in 2022.

III. Wood Energy

A. Data collection

61. In 2021 the secretariat collected the initial replies to the Joint Wood Energy Enquiry for the reference year 2019 (JWEE2019). It presented the first data on wood energy supply and use to the forty-second session of the Joint Working Party. 26 replies were received, which is a 10% decrease in replies over the previous round (JWEE2017), while the JWEE2015 had a record number of 33 replies. The JWEE2019 replies were reviewed, and follow-up questions provided to enquiry participants. The secretariat will complete the

⁸ <https://www.un.org/esa/forests/wp-content/uploads/2021/01/Covid-19-SFM-impact-Eastern-Europe.pdf>.

⁹ <https://unece.org/forests/events/meeting-team-specialists-sustainable-forest-products>.

analysis of the data and present the results to the Joint Working Party. The secretariat will upload country overviews to the website of the Joint Section prior to the meeting.

62. In 2009, the Joint Working Party asked the secretariat to conduct the data collection on wood energy in a two-year cycle (ECE/TIM/EFC/WP.2/2009/10). The secretariat will therefore start preparing the data collection process on wood energy supply and consumption for the reference year 2021 (JWEE2021) and proposes to launch the JWEE2022 in October 2022. Any proposed changes to the JWEE should be provided via the Team of Specialists on Forest Products and Wood Energy Statistics.

63. The secretariat has been collecting data on wood energy since 2007 and all data can be found on the secretariat's website as a flat file (one datapoint per line)¹⁰. The JWEE2019 will add another 26,000 datapoints to the current dataset of 120,000 lines from previous questionnaires. The visualization of the results is limited to the latest dataset and will be presented during the session.

B. Data assessment

64. Besides the publication of the data and database on wood energy, no assessment was undertaken.

C. Cross-sectoral cooperation

65. The secretariat would like to highlight once again the great success of the video on "More heat with less wood". The video on the efficient and sustainable use of wood for heating in private households was launched in March 2016, during the session of the Joint Working Party. Since then, it has become the most successful video on ECE's Youtube account with 13,000 views by February 2018, 82,000 views in February 2019, 129,000 views in February 2020, 170,000 views in 2021 and more than 205,000 views in February 2022. The video is viewed 100 times per day on average and clearly indicates that the topic is still highly relevant and the method of presentation effective.

66. In 2021, the video was translated into Polish through an in-kind contribution by a Polish NGO for a national conference (<https://www.youtube.com/watch?v=m1zkQRVOvHc>). The video is available in English, English with Russian subtitles, Albanian, Georgian, and Turkish. Member States and stakeholders wishing to translate the video into other languages are invited to contact the secretariat.

D. Key points on wood energy data assessment for guidance and discussion

67. Delegates are invited to:

- (a) Provide feedback on the data collection process with the Joint Wood Energy Enquiry;
- (b) Advise how to improve the wood energy database, the display of data and its dissemination;
- (c) Consider hosting a capacity building event on wood energy data collection;
- (d) Provide guidance on further cross-sectoral cooperation on wood energy matters by the secretariat.

¹⁰ <https://unece.org/forests/jwee>.

Annex

A. Data overview

Table 1
Replies to the questionnaires

Questionnaire	Year questionnaire sent			
	2018	2019	2020	2021
Total replies	45	44	47	45
JQ1 (production) - replies	45	44	47	43
% of cells filled (of 68)	68	65	64	66
JQ2 (trade) – replies	39	42	41	41
% of cells filled (of 236)	94	93	85	87
JQ3 (sec. prod. trade) – replies	38	41	40	37
% of cells filled (of 36)	94	96	91	92
JFSQ EU/ECE (species trade) – replies	32	28	30	30
% of cells filled (of 84/80)*	85	96	97	94
TC1 (roundwood forecast) - replies	34	31	29	31
% of cells filled (of 21)	81	80	84	84
TC2 (product forecast) - replies	34	31	29	32
TFQ % of cells filled (of 48)	85	82	85	79
Total replies		27	23	
Production - replies		14	16	
% of cells filled (of 4)		79	75	
Trade - replies		21	17	
EWPP % of cells filled (of 16)		85	88	
	2016	2018	2020	
Total replies	33	31	26	
Table 3 (wood fuel) - replies	18	15	12	
Average number of cells filled	4	5	8	
JWEE Table 4 (uses) - replies	30	30	24	
Average number of cells filled	20	20	21	

Note:

There are a total of 56 member countries.

The first two tables on JWEE are not included, as they are partially prefilled.

* The change to a lower number of cells to be filled started in 2021 for EU/ECE.

Table 2
Quality of replies to the Joint Forest Sector Questionnaire

<i>Data for Year</i>	<i>% Satisfactory data quality</i>
1992	62.2
1993	60.8
1994	61.5
1995	59.6
1996	55.8
1997	55.8
1998	51.9
1999	59.6
2000	65.4
2001	71.2
2002	71.2
2003	65.4
2004	69.2
2005	69.2
2006	75.5
2007	79.2
2008	73.6
2009	69.8
2010	67.9
2011	64.2
2012	79.2
2013	79.2
2014	62.3
2015	64.2
2016	69.8
2017	69.8
2018	64.2
2019	69.8
2020	56.6

Note:

The “% Satisfactory data quality” column is the number of countries supplying official data for at least 80% of the possible cells on JQ1 and JQ2, divided by the number of countries in the ECE region. Data for the most recent year (2020) are preliminary.