



EUROPEAN
STATISTICAL
SYSTEM

PEER REVIEW REPORT

ON COMPLIANCE WITH THE EUROPEAN STATISTICS CODE OF
PRACTICE AND FURTHER IMPROVEMENT AND DEVELOPMENT OF THE
NATIONAL STATISTICAL SYSTEM

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1. EXECUTIVE SUMMARY

The Luxembourgish National Institute for Statistics and Economic Studies (STATEC) was established in its current statutory form, under the authority of the Minister of Economic Affairs, by the Law of 10 July 2011 on the organisation of the National Institute for Statistics and Economic Studies ('the 2011 Law'). The foundation of STATEC goes back more than half a century, when the [organic law](#) of 9 July 1962 created a central service for statistics and economic studies in Luxembourg. The 2011 Law does not explicitly define the National Statistical System, but states (Article 3) that STATEC ensures the coordination of the national statistical system in consultation with the Committee for Official Statistics. The 2011 Law refers to a code of practice for official statistics and the European Statistics Code of Practice (ES CoP) has been adopted by Luxembourg as its national code, demonstrating a clear commitment to the ES CoP fundamental principles in the national statistical legislation.

Production of official statistics is very concentrated in Luxembourg and STATEC compiles 90% of the statistics produced by the national statistical system. STATEC staffing numbers have increased from approximately 140 Full Time Equivalents in 2015 to 200 in 2021. With these improvements in staff numbers, STATEC recognises the opportunities for additional formalisation and centralisation of quality management and methodology approaches in order to ensure that standardised and best practice improvements and developments are introduced systematically across STATEC, and to maintain the current high levels of user confidence in the quality of its outputs.

The strengths of the national statistical system include the availability of common tools and infrastructure. The use of a common website for STATEC outputs and for the statistical outputs of the Other National Authorities developing, producing and disseminating official statistics, together with the central technology services provided by Le Centre des technologies de l'information de l'État, support standard engagement and access portals and efficient IT developments across the national statistical system.

Additionally, there is a strong focus on research and development and improvement at STATEC. As the research community in Luxembourg is relatively small, the establishment of STATEC Research to drive a research agenda for official statistics has been an important initiative. STATEC Research has the flexibility to retain strong methodology skills from across the world, ensuring the development of statistical products on complex and emerging topics of national interest, and the application of best statistical methods in STATEC.

Finally, STATEC continues to work closely with the providers of traditional and new data on meeting new and emerging user needs, and there was a rapid response by STATEC and the Directorate of Health to provide regular and timely COVID-19 data during the pandemic, demonstrating the strong collaboration and the adaptive capability of the national statistical system.

Overall, there is general compliance with the ES CoP throughout the national statistical system. However, the peer review team identified three compliance-relevant and fourteen improvement-related recommendations grouped under three main issues, listed below.

RECOMMENDATIONS

I. Protecting Trust in Official Statistics

At present, while STATEC publishes a release calendar for a subset of its outputs (for example, the Consumer Price Index and the results covered by the Special Data Dissemination Standard Plus of the International Monetary Fund), many of its outputs are not included in the release calendar. Additionally, the Other National Authorities involved in the peer review do not currently publish release calendars of their official statistical outputs.

To comply with the ES CoP, the peer review team recommends:

1. STATEC and the Other National Authorities should develop and expand publicly available and easily accessible release calendars containing information on the date and standardised release time of all upcoming releases of official statistics. (Compliance-relevant: ES CoP, Indicators 6.5 and 13.2)

Confidence in the independence of STATEC (and the national statistical system) was evident at meetings with the media and with the main users during the peer review visit, and was also stressed during the meetings with data providers. In the ES CoP, the responsibilities and standing of the head of the National Statistical Institute are core to Principle 1, Professional Independence. Given the importance of the role of the head of the National Statistical Institute for this principle, and recognising the need for transparency to maintain confidence in official statistics, the peer review team identified an opportunity for specific procedures to demonstrate that there are no potential conflicts of interest and to ensure that the current high levels of confidence in the independence of STATEC are preserved.

To comply with the ES CoP, the peer review team recommends:

2. STATEC should put in place procedures to ensure that participation in external activities and bodies does not conflict with the requirements of the role of head of STATEC. (Compliance-relevant: ES CoP, Indicators 1.2, 1.3 and 1.4)

Confidence in the independence of the national statistical system was also clearly articulated by the media and the main users during the peer review visit. Discussions with the reviewed Other National Authorities highlighted how the role of the Head of Statistical Functions in the Other National Authorities was generally recognised, and how the importance of the independence of the unit responsible for official statistics in the Other National Authority was well understood. However, to ensure full transparency as to the independence of the Other National Authorities, the peer review team identified a recommendation related to clarifying, agreeing and documenting boundaries between the production of official statistics and the broader responsibilities of the Other National Authorities.

To improve beyond compliance with the ES CoP, the peer review team recommends:

3. STATEC and the Other National Authorities should develop clear agreements for the national statistical system on how the sole responsibility for deciding on statistical methods, standards and procedures, and on the content and timing of statistical releases, is delineated in the Other National Authorities. (Improvement-related: ES CoP, Indicator 1.4)

The peer review team noted the work underway by STATEC to develop a new logo for the Statistics Portal of Luxembourg and therefore, the opportunity to develop a shared logo that would strengthen the 'Official Statistical Service brand'.

To improve beyond compliance with the ES CoP, the peer review team recommends:

4. STATEC and the Other National Authorities should complete the systematic use of a logo to clearly delineate official statistics produced from other reports and analysis at dissemination. (Improvement-related: ES CoP, Indicator 1.6)

II. Strengthening the National Statistical System

The peer review team noted that the Committee for Official Statistics supports close cooperation across the national statistical system and that the Other National Authorities are very active in the Committee and its Working Groups. While there is a high level of concentration of compilation of official statistics in STATEC, the peer review team identified the need for a detailed, comprehensive description of the national statistical system that would serve as a basis for the development of future strategies for official statistics in Luxembourg.

To improve beyond compliance with the ES CoP, the peer review team recommends:

5. STATEC should develop a detailed description of the national statistical system that clarifies what it does and does not encompass, and which includes a comprehensive description of governance and methods of cooperation. (Improvement-related: ES CoP, Indicator 1bis.1)

The Committee for Official Statistics' Task Force on interpretation and implementation of the ES CoP carried out a survey of Other National Authorities to evaluate their compliance with the ES CoP indicators. The peer review team identified an opportunity to further promote awareness and monitor compliance with the ES CoP across the national statistical system, based on the recent survey of Other National Authorities by this Task Force.

To improve beyond compliance with the ES CoP, the peer review team recommends:

6. STATEC and the Other National Authorities should develop a plan to monitor compliance with the ES CoP across the national statistical system. (Improvement-related: ES CoP, Indicator 1bis.1)

National guidelines to ensure quality in the development, production and dissemination of European statistics for the national statistical system have not yet been developed.

To comply with the ES CoP, the peer review team recommends:

7. STATEC should develop quality guidelines for the national statistical system and monitor and review their implementation. (Compliance-relevant: ES CoP, Indicator 1bis.2)

STATEC hosts the central Statistics Portal of Luxembourg, and the products and statistical outputs of the national statistical system are disseminated on the Portal. The peer review team noted the opportunity for the websites of the Other National Authorities to systematically include descriptions of or references to the national statistical system, and information on the role of the ES CoP for producers of official statistics.

To improve beyond compliance with the ES CoP, the peer review recommends:

8. STATEC should complete deployment of the new version of the Statistics Portal of Luxembourg. (Improvement-related: ES CoP, Indicators 15.1 and 15.2)

The current developments by STATEC to improve and update the Statistics Portal of Luxembourg were noted during the peer review visit, as were opportunities for highlighting the scope of the national statistical system and its range of official statistical outputs. The deployment of the new Portal provides opportunities to promote the national statistical system and the importance of the ES CoP for the system, and opportunities for increased cross-referencing with the websites of the Other National Authorities.

To improve beyond compliance with the ES CoP, the peer review recommends:

9. STATEC and the Other National Authorities should promote visibility of the national statistical system and the ES CoP in the Statistics Portal of Luxembourg and across the websites of the Other National Authorities. (Improvement-related: ES CoP, Indicators 1bis.1, 15.1 and 15.2)

The mandate for data collection for the Other National Authorities participating in this peer review is not straightforward and generally, the Other National Authorities had no issues producing official statistics when using the administrative data of their own institutions. The peer review team was informed about some practical issues with data collection, particularly related to the absence of sanctions for non-respondents, where an Other National Authority was obliged to conduct direct data collection. The peer review team also noted that there is currently no legal basis for the national statistical system to access privately held data. Access to such data is currently only possible via negotiations with individual private data providers and there is no guarantee that such access will be free of charge.

To improve beyond compliance with the ES CoP, the peer review team recommends:

10. In future updates of the relevant legislation, STATEC (and the relevant Ministry) should ensure access for the national statistical system to privately held data for the investigation of statistical potential and for use in the compilation of official statistics. (Improvement-related: ES CoP, Indicators 2.2 and 2.4)

III. Embedding Quality Management Approaches throughout the National Statistical System

The peer review team identified the need to establish a more systematic approach to quality, both within STATEC and across the national statistical system. The number of persons dealing with quality matters has not increased since 2015, limiting the capacity to further embed quality management in STATEC and to centrally monitor and assure quality across the national statistical system.

To improve beyond compliance with the ES CoP, the peer review team recommends:

11. STATEC should establish a systematic approach to quality management based on best European practice, including a clear commitment to quality at an appropriately high hierarchical level, and prioritisation of the systematic quality management approach in STATEC's strategic planning. (Improvement-related: ES CoP, Indicator 4.1)

The peer review team identified an opportunity to expand the quality reporting practices to all official statistics produced by the national statistical system and noted STATEC's intention to publish all quality reports on the updated Statistics Portal of Luxembourg website.

To improve beyond compliance with the ES CoP, the peer review team recommends:

12. STATEC and the Other National Authorities should expand quality reporting practices to all official statistics produced by the national statistical system and ensure publication of quality reports nationally, including quality reports developed by the Other National Authorities. (Improvement-related: ES CoP, Indicators 4.3 and 15.7)

To ensure that statistical quality reports are used constructively, the peer review team noted an opportunity to develop and introduce a systematic approach of monitoring and reviewing the quality of statistical production processes based on the information and documentation available from the quality reports.

To improve beyond compliance with the ES CoP, the peer review team recommends:

13. STATEC and the Other National Authorities should introduce the systematic review of statistical processes and outputs, building on the documentation gathered in the quality reports. (Improvement-related: ES CoP, Indicator 4.2)

STATEC plans to appoint a Chief Methodology Officer and to centralise the methodology function, which will further support and expand the existing good practices of standardisation across the office. Building on STATEC's plans to increase central methodology resources, the peer review team identified the need for practices and procedures to ensure that common concepts, definitions and classifications are in place for the national statistical system.

To improve beyond compliance with the ES CoP, the peer review team recommends:

14. STATEC should develop and support the adoption of standard approaches to methodology across the national statistical system. (Improvement-related: ES CoP, Indicator 7.2)

Recognising a need for standardised documentation for internal processes and procedures, STATEC has started to document processes according to the GSBPM, piloting the work of National Accounts and Enterprise Statistics. Based on these pilots, STATEC plans to expand improved documentation levels to all statistical production units. As part of the harmonisation to underpin quality and to ensure operational continuity, the peer review team identified the need for up-to-date documentation that is standardised, structured and accessible.

To improve beyond compliance with the ES CoP, the peer review team recommends:

15. To ensure operational continuity, STATEC and the Other National Authorities reviewed (Direction de la Sante, Service d'Economie Rurale and Inspection General de la Securite Sociale) should develop internal process documentation in a standardised way, particularly for statistical procedures. (Improvement-related: ES CoP, Indicator 8.4)

STATEC plans to deploy an updated version of the Statistics Portal of Luxembourg in March 2022 and the new website will enable better presentation of metadata in a standardised format. To facilitate proper interpretation and meaningful comparisons of statistics and metadata over time, the peer

review team noted that the improved website technology will be a starting point for the work planned by STATEC on the archiving of data. The need for the archiving of metadata was also identified by the peer review team.

To improve beyond compliance with the ES CoP, the peer review team recommends:

16. STATEC and the Other National Authorities reviewed (Direction de la Sante, Service d'Economie Rurale and Inspection General de la Securite Sociale) should develop policies and fully implement processes for archiving data and metadata. (Improvement-related: ES CoP, Indicator 15.1)

A Supreme Council of Statistics is mandated in legislation (Article 9 of the 2011 Law) and its remit includes making proposals for new statistical areas of development and for improving the statistical work of the NSS. The peer review team also observed that in a small country such as Luxembourg, users have many opportunities to raise their needs for new statistical outputs with STATEC and with the Other National Authorities. However, to ensure that STATEC develops a comprehensive understanding of user needs the peer review team identified the need for a coordinated procedure of consultation and prioritisation of user needs across all stakeholders and sectors.

To improve beyond compliance with the ES CoP, the peer review team recommends:

17. STATEC should ensure systematic user consultation across all stakeholders and sectors to identify and prioritise user needs. (Improvement-related: ES CoP, Indicator 11.1)

In the spirit of continuous improvement integral to the European Statistical System (ESS), STATEC will interpret the recommendations formulated in this report into improvement actions for implementation within the National Statistical System (NSS).

2. INTRODUCTION

It is recognised that quality is one of the European Statistical System's (ESS) comparative advantages in a world experiencing a growing trend of instant information and new challenges, driven by exceptional circumstances or the continuous need for faster but quality-assured data. The European Statistics Code of Practice (ES CoP) is the cornerstone of the ESS common quality framework, and the ESS statistical authorities have committed themselves to adhere to it.

In this context, it is crucial for the ESS to be equipped with a review mechanism, the peer reviews, supporting with credible evidence this self-commitment to adhere to the ES CoP. The objective of this review mechanism is to enhance the integrity, professional independence and accountability of the ESS statistical authorities. The first round of peer reviews was carried out in 2006-2008, followed by a second round in 2013-2015.

In 2017, the ES CoP was reviewed and extended and now encompasses 16 principles. This revised version of the ES CoP triggered a third round of peer reviews, being carried out in the Member States of the European Union and of the European Free Trade Association (EFTA), and Eurostat from 2021 to mid-2023. This round of peer reviews aims at improving the quality and trust in European statistics by assessing the compliance of the ESS with the principles of the revised ES CoP. The peer reviews cover the ESS statistical authorities (Eurostat, the National Statistical Institutes (NSIs) and selected Other National Authorities (ONAs)) developing, producing and disseminating European statistics. The peer reviews will be followed by a period of annual monitoring of the implementation of the improvement actions developed by the NSIs to address the recommendations laid down in the peer review reports.

The third round of peer reviews has the following two objectives:

- To review the compliance/alignment of the ESS with the ES CoP, in order to demonstrate to the ESS and to external stakeholders that the ESS is a system based on the principles of the ES CoP;
- To help NSIs, ONAs and Eurostat in their further improvement and development by indicating future-oriented recommendations; at the same time, they should stimulate government authorities to support the implementation of these recommendations.

Each peer review is conducted by a team of four statistical experts (both from inside and outside the ESS). The peer review has four phases: completion of the Self-Assessment Questionnaires (SAQs) by a country; analysis of these SAQs by the peer review team; a country visit by the peer review team; and the preparation of the final report and ensuing recommendations by the peer review team. These recommendations are of two types:

- Compliance-relevant (ensuring compliance/alignment with the ES CoP);
- Improvement-related (less critical/technical supporting improvements).

A combination of an audit-like and a peer review approach is used when assessing the national statistical systems (NSS) in the countries to benefit from the positive aspects of both approaches. The audit-like approach requires the provision of documents as evidence, the ownership of the recommendations by the peer review expert team, and the right for the NSIs to express diverging views on the recommendations and to formulate the corresponding improvement actions. Whereas the peer

review approach allows for common agreement within the ESS on the methodology, the objectives, scope and implementation arrangements, the focus on improvements and a peer learning process.

Although all principles of the ES CoP will be reviewed for all countries through the SAQ, the peer review experts are free to customise the country visit to concentrate on those principles where more clarification/explanation is needed. However, certain principles such as those concerning professional independence and coordination and cooperation, as well as principles including elements of modernisation, will be assessed during the peer review visit for every member of the ESS.

In addition to these common principles to be addressed for every member of the ESS, the peer review team also placed emphasis on relevance and on impartiality and objectivity.

Relevance (ES CoP, Principle 11) was identified as an important principle for review, given the focus on modernisation and innovation in this round of peer reviews, and because of the challenges emerging during the COVID-19 pandemic and the response of the national statistical system to meeting existing and new user needs.

The development, production and dissemination of statistics in an objective and transparent manner was considered another area of importance by the peer review team, complementing the focus on professional independence in this round of peer reviews. To this end, Impartiality and Objectivity (ES CoP, Principle 6) was identified as a principle to be further discussed with STATEC.

Also, although the reports should not be used to compare one country to another, much effort has been made to ensure the harmonisation of the reports and the ensuing recommendations across the countries so that all countries are treated equitably.

The peer review of Eurostat was conducted by the European Statistical Governance Advisory Board (ESGAB).

3. BRIEF DESCRIPTION OF THE NATIONAL STATISTICAL SYSTEM

Legislation

STATEC was established in its current statutory form, under the authority of the Minister of Economic Affairs, by the Law of 10 July 2011 on the organisation of the National Institute for Statistics and Economic Studies ('the 2011 [Law](#)'). The foundation of STATEC however goes back more than half a century, when the [organic law](#) of 9 July 1962 created a central service for statistics and economic studies in Luxembourg. The 2011 Law does not explicitly define the national statistical system (NSS), but states (Article 3) that STATEC ensures the coordination of the NSS in consultation with the Committee for Official Statistics.

The 2011 Law is very explicit regarding STATEC's statistical mission (Article 2), its leading role in the coordination of the NSS (Article 3) and its distinctive statutory remit to produce short and medium-term global or sectoral economic forecasts, long-term global or sectoral economic, social and demographic projections, as well as to carry out analytical work and scientific research (Article 4). STATEC has summarised those statutory remits into its mission statement as follows: *'to provide public and private decision-makers, along with citizens, with a high-quality statistical information service. STATEC is committed to producing statistics, analyses and studies mirroring a detailed, reliable and objective image of Luxembourg society'*.

The *Committee for Official Statistics* and the *Supreme Council of Statistics* were formally established by the 2011 Law, Article 8 and Article 9 respectively. Subsequently, in addition to the 2011 Law, two [legal texts](#) were enacted on 12 March 2013 to regulate the composition, organisation and operation of the Committee for Official Statistics and the Supreme Council of Statistics.

Organisation

STATEC has a single office in Luxembourg and is [organised](#) along subject-matter Divisions and Units dealing with Production, Support and Research activities. STATEC accounts for 90% of the statistics produced by the NSS and is managed by a Director who is assisted by a Deputy Director.

Official statistics in Luxembourg are governed by a tripartite organisational structure:

- a) STATEC itself, with its key statutory role in the coordination of the NSS (Article 3 of the 2011 Law), in particular its oversight of the harmonisation and application of statistical methods, definitions, nomenclatures and standards across the NSS;
- b) the Committee for Official Statistics, which includes in its remit the establishment of an inventory of all the surveys within the NSS, development and publication of the NSS's annual work programme, analysis of user needs and implementation of the ES CoP by the NSS. Under the 2011 Law, the Director and the Deputy Director of STATEC are the chair and vice-chair of the Committee for Official Statistics. Regarding the publication of an integrated annual work programme, the peer review team noted that the Committee has not yet compiled and publish such a programme. However, from 2022 the integrated work programme for the NSS will be

included in the annual report to the Ministry of Economics and the Parliament and will also be included in the annual report developed and published for the public by STATEC;

- c) the Supreme Council of Statistics is an advisory body giving its opinion on the quality of the NSS and its capacity to cater for user needs. In this regard, the Supreme Council is entitled to issue an opinion on the future statistical priorities of the NSS as well as on the actual implementation of the ES CoP across the NSS. Regarding the latter, the peer review team noted that the Council has not yet issued any opinion on this matter. The Council sends its opinions to the Minister of Economic Affairs and the opinions are published on the [Statistics Portal](#) of Luxembourg.

Both the Committee for Official Statistics and the Supreme Council of Statistics hold annual meetings. Each institutional member of the Committee or the Council nominates two representatives (full member and deputy member).

Furthermore, a Scientific Council is established by Article 10 of the 2011 Law, with the remit to assess and advise any analyses, studies and research work at STATEC. It is composed of three highly skilled members and meets once a year.

Appointment of the Director

The appointment procedure for the Director of STATEC is the same as for other high administration officials in Luxembourg. The vacancy and job description are published on the website of the Ministry of Public Administration and interested persons can apply. The qualified candidates are interviewed by the Minister of Economic Affairs. Finally, on the basis of a proposal of the Minister of Economic Affairs, the government decides on the appointment of the Director of STATEC.

Statistical Programmes

STATEC's annual statistical programme is established in December during the annual planning meeting (STATPLAN) and it is published on the Statistics Portal of Luxembourg. STATEC also drafts a shorter version of this annual statistical programme for the use of the Ministry of Economic Affairs. In its efforts to coordinate and streamline the statistical programming of the entire NSS, STATEC annually collects the ONAs' statistical programmes for the upcoming three-year period.

While this is planned as an exhaustive mapping exercise of all data collections, not all ONAs contribute to this inventory due to a lack of adequate resources. However, from 2022 there is commitment by the NSS to include an integrated work programme in the annual report to the Ministry of Economics and the Parliament and this NSS work programme will also be included in the annual report developed and published for the public by STATEC.

Resources

The permanent staff of STATEC is approximately 200 people. On average, 50 sub-contractors work for STATEC, either on-site or remotely. Temporary staff includes mainly high school or university students in internships, or additional workforce for exceptional operations such as the population census. For the face-to-face Household Budget survey data collection, STATEC hires extra staff on a freelance basis.

In 2020, STATEC's total annual budget for remuneration of permanent staff was €18.5 million. Other costs and expenses, excluding permanent staff remuneration, amounted to €7.3 million in that same year.

Coordination of the NSS and ONAs participating in this Peer Review

STATEC defines their [NSS](#) from two angles, the European and the national perspective. From the European perspective (as defined in Regulation [223/2009](#)), the NSS comprises STATEC and 11 Other National Authorities (ONAs) responsible for the development, production and dissemination of European statistics. From the national perspective, there are eight additional bodies (apart from the ONAs) producing official statistics.

Coordination of the NSS is carried out through the work of the Committee for Official Statistics. The Committee's remit is to coordinate the statistical programmes of the various administrations, ministries, public institutions and observatories, and to monitor these programmes in order to improve efficiency and quality, as set out in Article 8 of the 2011 Law. Additionally, the Committee has established working groups to coordinate work on five specific topics: housing, public finances, environment, statistical planning, interpretation and implementation of the ES CoP in the NSS.

For this peer review, STATEC selected three out of the 11 ONAs:

- Considering current and planned common projects, the Directorate of Health ([Direction de la Santé](#)) is an important data provider for STATEC and for European Statistics; for example, the European Health Interview Survey (EHIS), Cause of Death statistics and non-expenditure health care statistics are under the responsibility of this ONA. Furthermore, public health statistics is a domain that is currently much in the public eye due to the ongoing COVID-19 pandemic.
- The statistical remit of the Department of Rural Economy ([Service d'Économie Rurale](#)) has increased significantly since 2017, when it added to its responsibilities for agricultural accounts by taking over production of the agriculture statistics formerly produced by the STATEC Business Statistics department. The Department of Rural Economy is now the producer of all agricultural statistics for Luxembourg.
- The General Inspectorate of Social Security (IGSS) ([Inspection Générale de la Sécurité Sociale](#)), a body under the authority of the Ministry of Social Security, is an important producer of national and European statistics, covering 22 statistical domains including the European system of integrated social protection statistics (ESSPROS), employment and earnings statistics by NACE and sociodemographic characteristics. In addition, it is an important provider of administrative data and its datasets serve as input for many statistics produced by STATEC.

Data access

Article 13 of the Law states that "STATEC has a right of access to the information, even individual information, contained in the files and databases of administrations and public services, collected as part of their administrative powers."

Under this legislation, STATEC have clear rights of access to administrative data for statistical purposes and the administrative data accessed is free of charge. Written agreements between the statistical authorities and the administrative data holders are in place to operationalise the data provisions.

These agreements set out the data coverage, the frequency and timetable of access, the general delivery mode, the data format, metadata and the technology to be used. The agreements also specify the consultation process in the case of changes to, or discontinuation of, administrative records.

There is currently no legal basis for access to privately held data. Access to such data is currently only possible via negotiation with individual private data providers and may not be free of charge.

Relations with users/dissemination of statistical products and services – The Statistics Portal of Luxembourg

On meeting user needs, the remit of the Luxembourgish Supreme Council of Statistics (mandated in Article 9 of the 2011 Law) includes making proposals for new statistical areas of development and for improving the statistical work of the NSS.

STATEC also continues to improve its understanding of user needs through regular surveys of satisfaction and needs, which take place every three to four years, collecting information on statistical requirements and on user confidence in the statistics produced by STATEC.

The statistics established by STATEC are published on the Statistics Portal of Luxembourg, along with all other official statistics produced by the NSS. In collaboration with other public services, www.statistiques.lu/en/index.html is the reference portal for Luxembourg statistics. STATEC is responsible for the management and maintenance of this portal.

The aim of the Statistics Portal of Luxembourg is to make statistical information available online by offering users an extensive range of features. Users can also display results on a map of Luxembourg (interactive content). An advanced, high-performance search tool allows internet users to create customised tables.

There is an advance release calendar for key figures. Users are regularly kept informed of updates to the Statistics Portal of Luxembourg through newsletters and RSS flows. Statistical information is organised by theme (territory and environment, population and employment, social conditions, enterprises, economy and finance) and by subject. More than 1,000 statistical tables can be accessed in dynamic HTML pages (multidimensional tables) or in Excel file format. A new version of the Statistics Portal of Luxembourg with enhanced functionalities, enriched content and improved user interfaces will be in place by the end of March 2022.

4. PROGRESS/ADVANCEMENT IN THE LAST FIVE YEARS

Coordination of the National Statistical System

The main progress on coordination of the national statistical system (NSS) has been through the work of the Committee for Official Statistics. The Committee's remit is to coordinate the statistical programmes of the various administrations, ministries, public institutions and observatories, and to monitor these programmes in order to improve efficiency and quality, as set out in Article 8 of the 2011 Law. Additionally, the Committee has established working groups to coordinate work on five specific topics: housing, public finances, environment, statistical planning, interpretation and implementation of the ES CoP in the NSS. Since the previous peer review, the Committee has been increasingly active in its coordination role and in the development of an integrated annual work programme for the NSS. Over the past two years, the Committee has also played an important role in coordinating the response of the NSS during the COVID-19 pandemic.

For the annual meetings of the Committee, STATEC leads the discussion on the strategic direction of the NSS, using ONA input to develop the annual work programme for the NSS. The peer review team noted that, in order to ensure visibility of this coordinated planning process, the statistical activities of the ONAs will be included in future versions of STATEC's annual report to the Ministry of Economics and the Parliament and will also be included in the annual report developed and published for the public by STATEC. In this way, an annual work programme for the NSS will be visible and accessible for all users.

Building on a programme of training on the ES CoP for ONAs, the Task Force on the Interpretation and Implementation of the ES CoP was established by the Committee for Official Statistics in mid-February 2020. During 2020, the task force surveyed all ONAs as to their awareness and compliance with ES CoP, and the peer review team noted that STATEC plans to use the findings from this survey as the basis for a programme of work with the ONAs on compliance with ES CoP.

Additionally, as part of improvements in coordination, the Committee for Official Statistics has developed an inventory of all survey and administrative data across the NSS which is updated annually and provides important information on the range of primary and secondary data available from the ONAs for statistical purposes.

Quality and Methodology

From discussions with external stakeholders during the peer review, it was clear that users had no concerns as to the quality of outputs, and through their descriptions of continuous development and improvement of data sources, methodologies and processes, a clear commitment to quality was evident in discussions with STATEC's different statistical domains and with the ONAs reviewed. However, there has been limited progress in establishing a systematic approach to quality across the NSS in the past five years. A quality manager was appointed in 2017, but the role is currently vacant and STATEC plans to fill this vacancy in the coming year. In respect of coordinating across the NSS, quality issues are discussed in the Committee for Official Statistics and by the Supreme Council of Statistics.

All available quality reports on European statistics produced by STATEC are currently published on STATEC's intranet and a subset of the quality reports produced by ONAs have also been available on the intranet since 2020. STATEC plans to publish all quality reports and relevant quality documentation for the NSS on the new Statistics Portal for Luxembourg due to be launched in March 2022.

A positive development in recent years has been the very active coordination of statistical training across the NSS by the Committee for Official Statistics, and all ONAs now participate in relevant training programmes.

There has been similar limited progress in establishing a systematic, centralised approach to methodology for the NSS in the past five years. The role of Chief Methodology Officer is currently vacant and STATEC plans to fill this vacancy in the coming year. However, users raised no concerns about the methodologies used across the NSS and users were well informed about any divergences from European and international standards.

Research

STATEC Research was established in 2016 as a not-for-profit organisation under the STATEC structure. The limited size of the research community in Luxembourg increases the importance of the role of STATEC Research, which has made a significant contribution to methodological developments and improvements at STATEC, in addition to delivering its own statistical research programme. The feedback loop between STATEC and STATEC Research also drives improvements in the quality of data and the related outputs.

In particular, STATEC Research's work on the impact of different data collection modes supported continued data collection from households during the pandemic.

Planning and Resources

Progress on project planning and prioritisation in the past five years was noted by the peer review team and a Project Management Office (PMO), established in 2020, now manages the project portfolios of STATEC and STATEC Research. The PMO is responsible for monitoring and reporting on the project portfolio and the PMO function also supports a process for prioritising STATEC and STATEC Research projects. STATEC has been granted significant increases in its staff over the past six years (increasing from approximately 140 Full-Time Equivalents (FTEs) in 2015 to 200 in 2021) and this prioritisation process helps to ensure the optimal allocation of resources in line with STATEC's annual statistical programme.

User Needs and Accessibility

STATEC continues to improve its understanding of user needs through regular satisfaction surveys, which take place every three to four years, collecting information on statistical requirements and on user confidence in the statistics produced by STATEC.

STATEC and the ONAs (other than Inspection Générale de la Sécurité Sociale) publish their statistical outputs on the aggregated website, the Statistics Portal of Luxembourg. As for the Inspection Générale de la Sécurité Sociale, it publishes most of its tables only on

<https://igss.gouvernement.lu/fr/statistiques.html>, and only some of its tables also appear, in a shortened version, on the Statistics Portal of Luxembourg. As part of improved user accessibility to statistics and related metadata and documentation, an updated version of the Portal with an improved layout and expanded availability of data and metadata, including quality documentation, has been developed and is planned for deployment in March 2022.

A significant advancement in the past five years has been the development of the Luxembourg Microdata Platform on Labour and Social Protection. The platform was developed by the Inspection Générale de la Sécurité Sociale, providing researcher access to microdata on social benefits and employment characteristics since 2018. Other parts of the NSS, including the Directorate of Health, are now using the features and learnings from this development as part of their own work to develop microdata access platforms.

5. COMPLIANCE WITH THE CODE OF PRACTICE AND FUTURE ORIENTATION

5.1 STRENGTHS OF THE NSI AND THE PARTICIPATING ONAs IN RELATION TO THEIR COMPLIANCE WITH THE CODE OF PRACTICE

Legal Mandate and Institutional Arrangements

STATEC has a strong legal mandate (the 2011 Law) that includes the right of access to administrative data (Article 13 of the 2011 Law). STATEC is endowed with scientific and professional independence (Article 11) and the legislation states explicitly that the Director of STATEC decides on the statistical methods, standards and procedures as well as on the content and the date of dissemination of statistical publications. The national statistical legislation refers to a code of practice for official statistics and the ES CoP has been adopted by Luxembourg as its national code, demonstrating a clear commitment to the ES CoP fundamental principles. The 2011 Law (Article 19) also stipulates that any statistical survey of general interest done by a public body or private organisation must be notified to STATEC, underlining and confirming STATEC's central role in Luxembourgish official statistics. (ES CoP, Indicators 1.1, 2.1 and 2.2)

From the results of the user surveys carried out every three to four years by STATEC, there is clear evidence of a high level of trust across Luxembourgish users in the independence of STATEC and in the quality of the statistics that it compiles. The surveys show steady levels of confidence in STATEC over the years and also show steady, but lower, levels of confidence in all official statistics over time. (ES CoP, Principles 1, 4 and 6)

On adequacy of resources, STATEC's budget is established on a rolling three-year basis and STATEC has the opportunity to submit business cases on emerging funding needs during the three-year cycle. This multiannual budgetary approach gives important visibility on resources for a three-year timeframe and is a strong support for the resource planning needed to meet European Statistical requirements. (ES CoP, Principle 3)

Coordination of the National Statistical System

Production of official statistics is very concentrated in Luxembourg and STATEC compiles 90% of the statistics produced by the NSS. STATEC and the ONAs have taken advantage of Luxembourg's size to build strong networks across the NSS, and between the NSS and the data providers and users of statistics. For the NSS, STATEC manages coordination through the Committee for Official Statistics and the Committee's remit includes harmonisation of statistical methods, definitions and nomenclatures, and application of European and international standards.

The peer review team noted that the Committee for Official Statistics supports close coordination of the NSS and that the ONAs are very active in the Committee and its Working Groups. The work of the Committee continues to strengthen the NSS and contributes to a common culture across the NSS, and the peer review team noted this strength particularly with regard to confidentiality and data protection. (ES CoP, Principles 1, 1bis and 5)

The coordination of statistical training by the Committee for Official Statistics is a further strength of the NSS and ensures that ONAs have access to the relevant statistical training alongside their STATEC colleagues. (ES CoP, Principle 1bis and Indicator 7.6)

Use of common tools and infrastructures

The availability of common tools and infrastructure is a strength of the NSS, supporting efficient IT developments and providing standard engagement and access portals for Luxembourgish citizens and businesses. (ES CoP, Indicators 10.2 and 10.4).

Key strengths of this approach include:

- The use of a common website, the Statistics Portal of Luxembourg, hosted by STATEC and disseminating the statistical outputs of STATEC and the ONAs. The Portal makes all statistical information – data, metadata and documentation – easily available online and offers users additional services (interactive geographical mapping, educational tools, high-performance search tools).
- The technology services provided by the central Luxembourgish agency, Le Centre des technologies de l'information de l'État (CTIE), support coordinated and efficient use of technology across the NSS. CTIE provides common services for email, network connectivity, intranet and cloud solutions. At the start of the COVID-19 pandemic, the support of CTIE enabled STATEC to provide staff with remote access to the STATEC systems in a very short timeframe.
- The collaboration with other ONAs (including the Directorate of Health) on opportunities for further rollout of the Luxembourg Microdata Platform on Labour and Social Protection is an innovative example of sharing tools and infrastructure across the NSS, see *Innovative Practices* below.

A Strong Focus on Research, Development and Improvement

Given the relatively small research community in Luxembourg, the establishment of STATEC Research to drive a research agenda has been an important initiative to strengthen the NSS. STATEC Research has the flexibility to retain strong methodology skills from across the world, ensuring developments in complex areas of national interest (for example, productivity analysis and information on wellbeing) and the application of best statistical methods in STATEC. The feedback loop between STATEC and STATEC Research also drives improvements in the quality of data and the related outputs. Additionally, to support developments and improve methodology, STATEC regularly uses external expertise when needed, often from international academics or leaders in a field of study, across the social, economic and business statistical domains. (Es CoP, Indicator 7.7)

STATEC has worked closely with providers of traditional and new data to meet new and emerging user needs and has been particularly successful in accessing mobile phone microdata, see *Innovative Practices* below. Scanner data from the large retail supermarkets continues to be used by STATEC as part of the Consumer Price Index (CPI) compilation and the sustainable relationships built with the suppliers of scanner data have helped to increase the numbers of retailers providing data. Also, STATEC continues to investigate new data sources for CPI compilation, the most recent development being the use of web scraped data to collect information on electrical goods. (ES CoP, Indicator 2.4)

STATEC has established a Large Cases Unit (LCU) to help meet globalisation measurement challenges. The LCU supports greater coherence across the statistical domains through the sharing of data provided by multinational entities (MNEs), sharing information on MNE activities and discussing and considering the international standards and the subsequent treatment of MNE activities in the statistical outputs. (ES CoP, Indicators 14.1 and 14.4)

Meeting User Needs

STATEC has a strong tradition of user surveys, and the findings from the surveys indicate a steady level of high confidence in the statistics produced by STATEC. The user surveys take place every three to four years and help to improve STATEC's understanding of user needs through the information collected on statistical requirements and on user confidence in the statistics produced. (ES CoP, Indicator 11.3)

During the pandemic, there was a rapid response by STATEC and the Directorate of Health to provide regular and timely COVID-19 data, demonstrating the strong collaboration and the adaptive capability of the NSS. Work with STATEC Research on the impact of new social data collection modes is a further example of how increased research capacity has helped to support the resilience of the NSS in a crisis. (ES CoP, Indicators 11.1)

Innovative Practices

The peer review team identified innovative practices that are noteworthy and possibly applicable in some way in other national settings. The peer review team would like to highlight the following important initiatives identified by the peer review team:

- STATEC has made significant progress on building partnerships with private data holders, expanding the use of privately held data and, in particular, gaining access to mobile phone microdata. This access provides new products opportunities and will also be used as the basis for developing data science skills at STATEC.
- The Microdata Platform on Labour and Social Protection was developed by IGSS and has provided researcher access to social benefits and employment characteristics since 2018. The collaboration with other ONAs (including the Directorate of Health) on opportunities for further rollout of this successful platform is an example of a good practice by the NSS.

5.2 ISSUES AND RECOMMENDATIONS

5.2.1 Protecting Trust in Official Statistics

Professional Independence

The 2011 Law endows STATEC with scientific and professional independence (Article 11) and states explicitly that the Director of STATEC decides on the statistical methods, standards and procedures as well as on the content and the date of dissemination of statistical publications.

The peer review team noted very strong confidence in the independence and objectivity of STATEC and the broader NSS across all of the discussions during the peer review visit. Additionally, trust in

official statistics remains strong in Luxembourg, as measured by the user surveys conducted by STATEC every three to four years. To ensure that these high levels of trust are preserved, the peer review team has identified a set of recommendations on formalising practices to demonstrate clearly the independence of the NSS.

At present, while STATEC publishes a release calendar for a subset of its outputs (for example, the CPI and the results covered by the IMF's Special Data Dissemination Standard Plus), many of its outputs are not included in the release calendar. Additionally, the ONAs involved in the peer review do not currently publish release calendars of their official statistical outputs.

To comply with the ES CoP, the peer review team recommends:

R1. STATEC and the Other National Authorities should develop and expand publicly available and easily accessible release calendars containing information on the date and standardised release time of all upcoming releases of official statistics. (Compliance-relevant: ES CoP, Indicators 6.5 and 13.2)

Confidence in the independence of STATEC (and the NSS) was evident at meetings with the media and with the main users during the peer review visit and was also stressed in the meetings with data providers. In the ES CoP, the responsibilities and standing of the head of the National Statistical Institute (NSI) are core to Principle 1, Professional Independence. Given the importance of the role of the head of the NSI for this principle, and recognising the need for transparency to maintain confidence in official statistics, the peer review team identified an opportunity for specific procedures to demonstrate that there are no potential conflicts of interest and to ensure that the current high levels of confidence in the independence of STATEC are preserved.

To comply with the ES CoP, the peer review team recommends:

R2. STATEC should put in place procedures to ensure that participation in external activities and bodies does not conflict with the requirements of the role of head of STATEC. (Compliance-relevant: ES CoP, Indicators 1.2, 1.3 and 1.4)

Additionally, confidence in the independence of the NSS was clearly articulated by the media and the main users during the peer review visit. Discussions with the reviewed ONAs highlighted how the role of the Head of Statistical Functions in the ONAs was generally recognised, and how the importance of the independence of the ONA unit responsible for official statistics was well understood. However, to ensure full transparency as to the independence of the ONAs, the peer review team identified a recommendation about clarifying, agreeing and documenting boundaries between the production of official statistics and the broader responsibilities of the ONAs.

To improve beyond compliance with the ES CoP, the peer review team recommends:

R3. STATEC and the Other National Authorities should develop clear agreements for the national statistical system on how the sole responsibility for deciding on statistical methods, standards, procedures, and on the content and timing of statistical releases, is delineated in the Other National Authorities. (Improvement-related: ES CoP, Indicator 1.4)

The peer review team noted the work underway by STATEC to develop a new logo for the Statistics Portal of Luxembourg. At the same time, there is currently no shared logo across the NSS. The team therefore noted the opportunity to develop a shared logo that would strengthen the 'Official Statistical Service brand'. This shared logo for official statistics would help to clearly identify the range of independent official statistics produced across the NSS and underline adherence to the ES CoP.

To improve beyond compliance with the ES CoP, the peer review team recommends:

R4. STATEC and the Other National Authorities should complete the systematic use of a logo to clearly delineate official statistics produced from other reports and analysis at dissemination. (Improvement-related: ES CoP, Indicator 1.6)

5.2.2 Strengthening the National Statistical System

Coordination and Cooperation

Production of official statistics is very concentrated in Luxembourg and STATEC compiles 90% of the statistics produced by the NSS. For the NSS, STATEC manages the coordination in consultation with the Committee for Official Statistics, including harmonisation of statistical methods, definitions and nomenclatures, and the application of European and international standards (Article 3 of the 2011 Law).

The Committee's remit is to coordinate the statistical programmes of the various administrations, ministries, public institutions and observatories, and to monitor these programmes in order to improve efficiency and quality, as set out in Article 8 of the 2011 Law. The specific regulation on the composition, organisation and operation of the Committee (Article 5, Grand-Ducal Regulation of 12 March 2013) states that the Committee is also involved in the implementation of the ES CoP in the NSS. The Committee for Official Statistics is chaired by the Director (or deputy) of STATEC and all ONAs are represented on the Committee. The Committee also establishes Working Groups that focus on specific topics, including a Task Force on the interpretation and implementation of the ES CoP.

The peer review team noted that the Committee supports close coordination across the NSS and that the ONAs are very active in the Committee and its Working Groups. While there is a high level of concentration of compilation of official statistics in STATEC, the peer review team identified the need for a detailed, comprehensive description of the NSS that would serve as a basis for the development of future strategies for official statistics in Luxembourg.

To improve beyond compliance with the ES CoP, the peer review team recommends:

R5. STATEC should develop a detailed description of the national statistical system that clarifies what it does and does not encompass, and which includes a comprehensive description of governance and methods of cooperation. (Improvement-related: ES CoP, Indicator 1bis.1)

Awareness of the ES CoP across the NSS

High-level commitment to the principles of the ES CoP is ensured in the national statistical legislation, where Article 11 of the 2011 Law requires that “STATEC establishes its own Statistics Code of Practice that meets European and international requirements and standards”. To this end, STATEC has adopted the ES CoP as the national Statistics Code of Practice.

The work of the Committee for Official Statistics Task Force on interpretation and implementation of the ES CoP was noted by the peer review team. Several courses about the ES CoP have been organised by the Committee to ensure that the ES CoP is better understood and to promote the exchange of good practices across the NSS. Following this training, the institutions were invited to participate in the newly established Task Force on the Interpretation and Implementation of the ES CoP.

The Task Force has also carried out a survey of ONAs to evaluate their compliance with the ES CoP indicators. An opportunity was identified by the peer review team to further promote awareness and monitor compliance across the NSS based on a recent survey of ONAs on the ES CoP by this Task Force. The survey aimed to assess implementation of the principles of ES CoP and while the responses provided by the ONAs as to compliance with the 84 ES CoP indicators were subjective, the results provide an important basis for the future work of the Task Force.

To improve beyond compliance with the ES CoP, the peer review team recommends:

R6. STATEC and the Other National Authorities should develop a plan to monitor compliance with the ES CoP across the national statistical system. (Improvement-related: ES CoP, Indicator 1bis.1)

National guidelines to ensure quality in the development, production and dissemination of European statistics for the NSS have not yet been developed. Implementation of national quality guidelines will ensure consistent and coordinated quality management, quality reporting standards and standard methodologies for the NSS and will provide users with assurance as to the quality of official statistics. The peer review team noted STATEC’s plans to develop quality guidelines for the NSS.

To comply with the ES CoP, the peer review team recommends:

R7. STATEC should develop quality guidelines for the national statistical system and monitor and review their implementation. (Compliance-relevant: ES CoP, Indicator 1bis.2)

STATEC hosts the central Statistics Portal of Luxembourg, and its statistical outputs and the statistical outputs of the NSS are disseminated on the Portal. The peer review team noted the opportunity for the ONAs' websites to systematically include descriptions of or references to the NSS, and information on the role of the ES CoP for producers of official statistics.

To improve beyond compliance with the ES CoP, the peer review recommends:

R8. STATEC should complete deployment of the new version of the Statistics Portal of Luxembourg. (Improvement-related: ES CoP, Indicators 15.1 and 15.2)

The current developments by STATEC to improve and update the Statistics Portal of Luxembourg were noted during the peer review visit, as were opportunities for highlighting the scope of the national

statistical system and its range of official statistical outputs. The deployment of the new Portal provides opportunities to promote the national statistical system and the importance of the ES CoP for the system, and opportunities for increased cross-referencing with the websites of the Other National Authorities.

To improve beyond compliance with the ES CoP, the peer review recommends:

R9. STATEC and the Other National Authorities should promote visibility of the national statistical system and the ES CoP in the Statistics Portal of Luxembourg and across the websites of the Other National Authorities. (Improvement-related: ES CoP, Indicators 1bis.1, 15.1 and 15.2)

Mandate for Data Collection

In the 2011 Law, STATEC has a strong mandate for data collection, including the right to use administrative files (Article 2 of the 2011 Law). The legislation declares that “STATEC has a right of access to the information, even individual information, contained in the files and databases of administrations and public services, collected as part of their administrative powers” (Article 13). The administrative data accessed by STATEC are free of charge and there are written agreements on data provision between STATEC and most administrative data providers.

The mandate for data collection of the ONAs participating in the review is not straightforward and generally, the ONAs had no issues producing official statistics when using the administrative data of their own institutions. The peer review team was informed about some practical issues with data collection, particularly related to the absence of sanctions for non-respondents, where an ONA is obliged to conduct direct data collection.

The peer review also noted that there is currently no legal basis for access to privately held data. Access to such data is currently only possible via negotiations with individual private data providers and there is no guarantee that such access will be free of charge.

To improve beyond compliance with the ES CoP, the peer review team recommends:

R10. In future updates of the relevant legislation, STATEC (and the relevant Ministry) should ensure access for the national statistical system to privately held data for the investigation of statistical potential and for use in the compilation of official statistics. (Improvement-related: ES CoP, Indicators 2.2 and 2.4)

5.2.3 Embedding Quality Management Approaches throughout the National Statistical System

Commitment to Quality

The commitment of STATEC and the ONAs to the provision of high-quality statistics was clear to the peer reviewers. A quality charter is published on STATEC’s website, describing the institutional commitment to quality. Ensuring quality is one of STATEC’s broadly communicated Working Principles, and staff showed clear commitment to quality during discussions with the peer review team. Within the NSS, the Committee for Official Statistics and its Task Force on the Interpretation and

Implementation of the ES CoP play an important role in promoting commitment to quality and to the Principles of the ES CoP.

However, the peer review team identified the need to establish a more systematic approach to quality, both within STATEC and across the NSS. A quality manager had been appointed at STATEC after the last peer review but left the position shortly afterwards. The number of persons (measured in FTEs) dealing with quality matters has not increased since 2015, limiting the capacity to further embed quality management in the organisation and to centrally manage the activities across the NSS. The peer review team noted the plans for members of the STATEC management board to be mandated with additional functions regarding quality management, which will give an appropriately high level of support to NSS quality issues.

To improve beyond compliance with the ES CoP, the peer review team recommends:

R11. STATEC should establish a systematic approach to quality management based on best European practice, including a clear commitment to quality at an appropriately high hierarchical level, and prioritisation of the systematic quality management approach in STATEC's strategic planning. (Improvement-related: ES CoP, Indicator 4.1)

The peer review team heard of many examples of activities taking place at product level to ensure that the statistical outputs are of the highest quality (including introducing web mode to data collection, improvements in data processing and regular coherence checks). Statistical production units in STATEC and in the ONAs regularly prepare and submit the requested quality reports to Eurostat and STATEC publishes the available reports on its intranet. Through the Committee for Official Statistics, STATEC has requested that all ONAs send their quality reports to STATEC. However, only a small number of the ONAs have responded to this request to date. The peer review team noted the opportunity to expand the quality reporting practices to all official statistics within the NSS and noted STATEC's intention to publish all quality reports on the updated Statistics Portal of Luxembourg to facilitate easy access for national users.

To improve beyond compliance with the ES CoP, the peer review team recommends:

R12. STATEC and the Other National Authorities should expand quality reporting practices to all official statistics produced by the national statistical system and ensure publication of quality reports nationally, including quality reports developed by the Other National Authorities. (Improvement-related: ES CoP, Indicators 4.3 and 15.7)

To ensure that statistical quality reports are used constructively, the peer review team noted an opportunity to develop and introduce a systematic approach of monitoring and reviewing the quality of statistical production processes based on the information and documentation available from the quality reports.

To improve beyond compliance with the ES CoP, the peer review team recommends:

R13. STATEC and the Other National Authorities should introduce the systematic review of statistical processes and outputs, building on the documentation gathered in the quality reports. (Improvement-related: ES CoP, Indicator 4.2)

Methodology and Procedures

The peer review team noted the clear focus on sound methodology across STATEC and the ONAs and also noted the opportunities for input and feedback from STATEC Research on methodological challenges. STATEC plans to appoint a Chief Methodology Officer and to centralise the methodology function, which will further support and expand the existing good practices of standardisation across the office. Building on these plans to increase methodology resources, the peer review team identified the need for practices and procedures to ensure that common concepts, definitions and classifications are in place for the NSS.

To improve beyond compliance with the ES CoP, the peer review team recommends:

R14. STATEC should develop and support the adoption of standard approaches to methodology across the national statistical system. (Improvement-related: ES CoP, Indicator 7.2)

Recognising a need for standardised documentation for internal processes and procedures, STATEC has started to document processes according to the GSBPM, piloting the work of National Accounts and Enterprise Statistics. Based on these pilots, STATEC plans to expand improved documentation levels to all statistical production units. As part of the harmonisation to underpin quality and to ensure operational continuity, such as in the event of staff turnover and increased remote working arrangements, the peer review team identified the need for up-to-date documentation for internal processes and procedures that is standardised, structured and accessible.

To improve beyond compliance with the ES CoP, the peer review team recommends:

R15. To ensure operational continuity, STATEC and the Other National Authorities reviewed (Direction de la Sante, Service d'Economie Rurale and Inspection General de la Securite Sociale) should develop internal process documentation in a standardised way, particularly for statistical procedures. (Improvement-related: ES CoP, Indicator 8.4)

STATEC plans to deploy an updated version of the Statistics Portal of Luxembourg in March 2022 and this new website will enable better presentation of metadata in a standardised format. To facilitate proper interpretation and meaningful comparisons of statistics and metadata over time, the peer review team noted that the improved website technology will also be a starting point for work planned by STATEC on the archiving of data. The need for the archiving of metadata was also identified by the peer review team.

To improve beyond compliance with the ES CoP, the peer review team recommends:

R16. STATEC and the Other National Authorities reviewed (Direction de la Sante, Service d'Economie Rurale and Inspection General de la Securite Sociale) should develop policies and fully implement processes for archiving data and metadata. (Improvement-related: ES CoP, Indicator 15.1)

Relevance

The Supreme Council of Statistics is mandated in legislation (Article 9 of the 2011 Law) and its remit includes making proposals for new statistical areas of development and for improving the statistical

work of the NSS. Its members are chosen from users of statistics and providers of statistical data (Article 5, Grand-Ducal Regulation of 12 March 2013).

Furthermore, STATEC assesses user needs through regular user satisfaction surveys, which take place every three to four years. Additionally, the relevance of existing statistics is monitored through analysis of the use of statistics, including the evaluation of downloads from the Statistics Portal of Luxembourg, subscribers to reports and user requests for information.

The peer review team observed that in a small country such as Luxembourg, users have many opportunities to raise their needs for new statistical outputs with STATEC and with the ONAs. However, the peer review team identified the need for a coordinated procedure of consultation and prioritisation of user needs across all stakeholders and sectors. To improve beyond compliance with the ES CoP, the peer review team recommends:

R17. STATEC should ensure systematic user consultation across all stakeholders and sectors to identify and prioritise user needs. (Improvement-related: ES CoP, Indicator 11.1)

5.3 VIEWS OF THE NSI, AS THE NATIONAL COORDINATOR OF THE NSS AND THE PEER REVIEW, ON THOSE RECOMMENDATIONS WHERE THEY DIVERGE FROM PEER REVIEW EXPERTS' ASSESSMENT

None

ANNEX A – AGENDA OF THE VISIT

Timing	Topic	Participants
Day 1		
09:00 – 09:45	Preparatory meeting with the national PR coordinator	<p>Peer Review Team: Ms Jennifer BANIM, Chair, PR expert Mr Pierre BISCHOFF, PR expert Mr Michail SKALIOTIS, PR expert Ms Tina STEENVOORDEN, PR expert</p> <p>STATEC: Ms Simone CASALI, national PR coordinator, quality</p>
09:45 – 10:00	Welcome and introduction	<p>Peer Review Team: Ms Jennifer BANIM, Chair, PR expert Mr Pierre BISCHOFF, PR expert Mr Michail SKALIOTIS, PR expert Ms Tina STEENVOORDEN, PR expert</p> <p>STATEC: Dr Serge ALLEGREZZA, director Mr John HAAS, deputy director Dr Marc PAULY, IT, coordination, PMO Ms Simone CASALI, national PR coordinator, quality</p>
10:00 – 11:00	General information session on the national statistical system	<p>Peer Review Team: Ms Jennifer BANIM, Chair, PR expert Mr Pierre BISCHOFF, PR expert Mr Michail SKALIOTIS, PR expert Ms Tina STEENVOORDEN, PR expert</p> <p>STATEC: Dr Serge ALLEGREZZA, director Mr John HAAS, deputy director Dr Marc PAULY, IT, coordination, PMO Ms Simone CASALI, national PR coordinator, quality</p>
11:00 – 11:15	Coffee Break	
11:15 – 12:30	Professional Independence Mandate for Data Collection and Access to Data (ES CoP principles 1 and 2)	<p>Peer Review Team: Ms Jennifer BANIM, Chair, PR expert Mr Pierre BISCHOFF, PR expert Mr Michail SKALIOTIS, PR expert Ms Tina STEENVOORDEN, PR expert</p> <p>STATEC:</p>

		Dr Serge ALLEGREZZA, director Mr John HAAS, deputy director Dr Marc PAULY, IT, coordination, PMO Ms Simone CASALI, national PR coordinator, quality
12:30 – 13:30	Lunch	
13:30 – 14:30	Coordination and Cooperation (ES CoP principle 1bis)	Peer Review Team: Ms Jennifer BANIM, Chair, PR expert Mr Pierre BISCHOFF, PR expert Mr Michail SKALIOTIS, PR expert Ms Tina STEENVOORDEN, PR expert STATEC: Dr Serge ALLEGREZZA, director Mr John HAAS, deputy director Dr Marc PAULY, IT, coordination, PMO Dr Olivier THUNUS, responsible cooperation Ms Simone CASALI, national PR coordinator, quality
14:30 – 15:30	Impartiality and Objectivity Accessibility and Clarity (ES CoP principles 6 and 15)	Peer Review Team: Ms Jennifer BANIM, Chair, PR expert Mr Pierre BISCHOFF, PR expert Mr Michail SKALIOTIS, PR expert Ms Tina STEENVOORDEN, PR expert STATEC: Dr Serge ALLEGREZZA, director Mr John HAAS, deputy director Dr Marc PAULY, IT, coordination, PMO Ms Annemarie JUNG, acting for communication Ms Simone CASALI, national PR coordinator, quality
15:30 – 15:45	Coffee Break	
15:45 – 17:00	Statistical Confidentiality and Data Protection Methodology Statistical procedures and secondary data sources (ES CoP principles 5, 7 and 8)	Peer Review Team: Ms Jennifer BANIM, Chair, PR expert Mr Pierre BISCHOFF, PR expert Mr Michail SKALIOTIS, PR expert Ms Tina STEENVOORDEN, PR expert STATEC: Dr Serge ALLEGREZZA, director Mr John HAAS, deputy director Dr Marc PAULY/Ms Annemarie JUNG, responsible DPO

		Mr Fabrice THILL/Mr Eric-Alexandre MILLER, responsible information systems security Ms Simone CASALI, national PR coordinator, quality
17:00 – 18:00	Peer review expert team discussion	
Timing	Topic	Participants
Day 2		
09:00 – 10:30	Quality Coherence and Comparability (ES CoP principles 4 and 14)	Peer Review Team: Ms Jennifer BANIM, Chair, PR expert Mr Pierre BISCHOFF, PR expert Mr Michail SKALIOTIS, PR expert Ms Tina STEENVOORDEN, PR expert STATEC: Dr Serge ALLEGREZZA, director Mr John HAAS, deputy director Dr Marc PAULY, IT, coordination, PMO Ms Simone CASALI, national PR coordinator, quality Ms Annemarie JUNG, acting for communication Mr Ferdy ADAM, business cycle, modelling, forecasting Ms Adriana BANDRABUR, large case units (LCU) Ms Lucia GARGANO, enterprise statistics Mr Jérôme HURY, social statistics Mr René KRIPPES, national accounts Dr Chiara PERONI, applied research
10:30 – 10:45	Coffee Break	
10:45 – 12:00	Relevance Accuracy and Reliability Timeliness and Punctuality (ES CoP principles 11, 12 and 13)	Peer Review Team: Ms Jennifer BANIM, Chair, PR expert Mr Pierre BISCHOFF, PR expert Mr Michail SKALIOTIS, PR expert Ms Tina STEENVOORDEN, PR expert STATEC: Dr Serge ALLEGREZZA, director Mr John HAAS, deputy director Dr Marc PAULY, IT, coordination, PMO Ms Simone CASALI, national PR coordinator, quality

		<p>Mr Ferdy ADAM, business cycle, modelling, forecasting (postponed, day 4)</p> <p>Ms Adriana BANDRABUR, large case units (LCU)</p> <p>Ms Lucia GARGANO, enterprise statistics</p> <p>Ms Annemarie JUNG, acting for communication</p> <p>Mr Jérôme HURY, social statistics</p> <p>Mr René KRIPPES, national accounts</p> <p>Dr Chiara PERONI, applied research</p>
12:00 – 12:45	Lunch	
12:45 – 13:45	<p>Non-excessive Burden on Respondents</p> <p>Adequacy of Resources and Cost Effectiveness</p> <p>(ES CoP principles 9, 3 and 10)</p>	<p>Peer Review Team:</p> <p>Ms Jennifer BANIM, Chair, PR expert</p> <p>Mr Pierre BISCHOFF, PR expert</p> <p>Mr Michail SKALIOTIS, PR expert</p> <p>Ms Tina STEENVOORDEN, PR expert</p> <p>STATEC:</p> <p>Mr John HAAS, deputy director</p> <p>Dr Marc PAULY, IT, coordination, PMO</p> <p>Ms Simone CASALI, national PR coordinator, quality</p> <p>Mr Pierre-Jean OGER, human resources, finance and logistics</p> <p>Ms Chantal HAAS, finance</p> <p>Ms Christina JACOBS, training delegate</p>
13:45 – 14:45	Progress and plans for the future; innovations	<p>Peer Review Team:</p> <p>Ms Jennifer BANIM, Chair, PR expert</p> <p>Mr Pierre BISCHOFF, PR expert</p> <p>Mr Michail SKALIOTIS, PR expert</p> <p>Ms Tina STEENVOORDEN, PR expert</p> <p>STATEC:</p> <p>Mr John HAAS, deputy director</p> <p>Ms Simone CASALI, national PR coordinator, quality</p> <p>Dr Marc PAULY, IT, coordination, PMO</p> <p>Mr Marc FERRING, prices</p>
14:45 – 15:30	Presentation by STATEC Research Unit, followed by Q&A	<p>Peer Review Team:</p> <p>Ms Jennifer BANIM, Chair, PR expert</p> <p>Mr Pierre BISCHOFF, PR expert</p> <p>Mr Michail SKALIOTIS, PR expert</p> <p>Ms Tina STEENVOORDEN, PR expert</p> <p>STATEC:</p>

		Mr John HAAS, deputy director Dr Marc PAULY, IT, coordination, PMO Ms Simone CASALI, national PR coordinator, quality Dr Chiara PERONI, applied research Dr Francesco SARRACINO, applied research
15:30 – 15:45	Coffee Break	
15:45 – 17:00	Meeting with junior staff only (staff with 2-5 years' experience in STATEC)	Peer Review Team: Ms Jennifer BANIM, Chair, PR expert Mr Pierre BISCHOFF, PR expert Mr Michail SKALIOTIS, PR expert Ms Tina STEENVOORDEN, PR expert STATEC: Ms Jill SCHAUL, business cycles, modelling, forecasting Mr Thibaut DI FABIO, structural business statistics Mr Michel GELLER, business cycles, modelling, forecasting Ms Rebecca HEIREND, international trade statistics Mr Ben LANG, prices Mr Stéphan MONJOIE, sector accounts
17:00 – 18:00	Peer review expert team discussion	
Timing	Topic	Participants
Day 3		
09:00 – 09:15	General opening session with all ONAs producing European statistics that are taking part in the peer review visit	Peer review team: Ms Jennifer BANIM, Chair, PR expert Mr Pierre BISCHOFF, PR expert Mr Michail SKALIOTIS, PR expert Ms Tina STEENVOORDEN, PR expert STATEC:

		<p>Mr John HAAS, deputy director Dr Marc PAULY, IT, coordination, PMO Ms Simone CASALI, national PR coordinator, quality</p> <p>ONA1: General Inspectorate of Social Security Ms Vanessa DI BARTOLOMEO, Ms Laurence WEBER, Mr Thierry MAZOYER, Ms Mireille ZANARDELLI</p> <p>ONA2: Directorate of Health Mr Guy WEBER, acting head of Epidemiology and Statistics Department</p> <p>ONA3: Rural Economy Service Mr Roger BARTHELMY, head of Agricultural Statistics, Agricultural Markets and External Relations Division Mr Charles MULLER, Agricultural Statistics, Agricultural Markets and External Relations Division</p>
09:15 – 11:00	<p>ONA1 session:</p> <ul style="list-style-type: none"> I. Legislation, collaboration and cooperation (P1, P1bis, P2) II. Methodology, data processing and administrative data (P7, P8) III. Quality and accessibility (P4, P14, P15) IV. Relevance and reliability (P11, P12) V. Confidentiality, impartiality and objectivity (P5, P6) VI. Programming, planning and resources (P3, P9, P10, P13) 	<p>Peer Review Team: Ms Jennifer BANIM, Chair, PR expert Mr Pierre BISCHOFF, PR expert Mr Michail SKALIOTIS, PR expert Ms Tina STEENVOORDEN, PR expert</p> <p>ONA1: General Inspectorate of Social Security Ms Vanessa DI BARTOLOMEO, Ms Laurence WEBER, Mr Thierry MAZOYER, Ms Mireille ZANARDELLI</p>
11:15 – 11:30	Coffee Break	
11:30 – 13:15	<p>ONA2 session:</p> <ul style="list-style-type: none"> I. Legislation, collaboration and cooperation (P1, P1bis, P2) II. Methodology, data processing and administrative data (P7, P8) III. Quality and accessibility (P4, P14, P15) IV. Relevance and reliability (P11, P12) V. Confidentiality, impartiality and objectivity (P5, P6) VI. Programming, planning and resources (P3, P9, P10, P13) 	<p>Peer Review Team: Ms Jennifer BANIM, Chair, PR expert Mr Pierre BISCHOFF, PR expert Mr Michail SKALIOTIS, PR expert Ms Tina STEENVOORDEN, PR expert</p> <p>ONA2: Directorate of Health Mr Guy WEBER, acting head of Epidemiology and Statistics Department</p>

13:15 – 14:00	Lunch	
14:00 – 15:45	<p>ONA3 session:</p> <ul style="list-style-type: none"> I. Legislation, collaboration and cooperation (P1, P1bis, P2) II. Methodology, data processing and administrative data (P7, P8) III. Quality and accessibility (P4, P14, P15) IV. Relevance and reliability (P11, P12) V. Confidentiality, impartiality and objectivity (P5, P6) VI. Programming, planning and resources (P3, P9, P10, P13) 	<p>Peer Review Team: Ms Jennifer BANIM, Chair, PR expert Mr Pierre BISCHOFF, PR expert Mr Michail SKALIOTIS, PR expert Ms Tina STEENVOORDEN, PR expert</p> <p>ONA3: Rural Economy Service Mr Roger BARTHELMY, head of Agricultural Statistics, Agricultural Markets and External Relations Division Mr Charles MULLER, Agricultural Statistics, Agricultural Markets and External Relations Division</p>
15:45 – 16:00	Coffee Break	
16:00 – 17:15	Meeting with the Official Statistics Authority [Supreme Council of Statistics]	<p>Peer Review Team: Ms Jennifer BANIM, Chair, PR expert Mr Pierre BISCHOFF, PR expert Mr Michail SKALIOTIS, PR expert Ms Tina STEENVOORDEN, PR expert</p> <p>Authority Chair / representative: Mr Fernand WEIDES, chair of Supreme Council of Statistics</p> <p>STATEC: Mr John HAAS, deputy director Dr Marc PAULY, IT, coordination, PMO Ms Simone CASALI, national PR coordinator, quality</p>
17:15 – 18:00	Peer review expert team discussion	
Timing	Topic	Participants
Day 4		
09:00 – 09:10	<i>A 10-minute presentation of the new statistical portal's Quality page</i>	<p>Peer review team: Ms Jennifer BANIM, Chair, PR expert Mr Pierre BISCHOFF, PR expert Mr Michail SKALIOTIS, PR expert Ms Tina STEENVOORDEN, PR expert</p> <p>STATEC: Mr John HAAS, deputy director Ms Annemarie JUNG, acting for communication Ms Sylvia MANN, communication</p>

		<p>Dr Marc PAULY, IT, coordination, PMO</p> <p>Ms Simone CASALI, national PR coordinator, quality</p>
09:10 – 09:30	General closing session with all ONAs producing European statistics that are taking part in the peer review visit	<p>Peer review team:</p> <p>Ms Jennifer BANIM, Chair, PR expert</p> <p>Mr Pierre BISCHOFF, PR expert</p> <p>Mr Michail SKALIOTIS, PR expert</p> <p>Ms Tina STEENVOORDEN, PR expert</p> <p>STATEC:</p> <p>Mr John HAAS, deputy director</p> <p>Dr Marc PAULY, IT, coordination, PMO</p> <p>Ms Simone CASALI, national PR coordinator, quality</p> <p>ONA1: General Inspectorate of Social Security</p> <p>Ms Vanessa DI BARTOLOMEO,</p> <p>Ms Laurence WEBER,</p> <p>Mr Thierry MAZOYER,</p> <p>Ms Mireille ZANARDELLI</p> <p>ONA2: Directorate of Health</p> <p>Mr Guy WEBER, acting head of Epidemiology and Statistics Department</p> <p>ONA3: Rural Economy Service</p> <p>Mr Roger BARTHELMY, head of Agricultural Statistics, Agricultural Markets and External Relations Division</p> <p>Mr Charles MULLER, Agricultural Statistics, Agricultural Markets and External Relations Division</p>
09:30 – 11:00	Meeting with main data providers	<p>Peer Review Team:</p> <p>Ms Jennifer BANIM, Chair, PR expert</p> <p>Mr Pierre BISCHOFF, PR expert</p> <p>Mr Michail SKALIOTIS, PR expert</p> <p>Ms Tina STEENVOORDEN, PR expert</p> <p>STATEC:</p> <p>Mr John HAAS, deputy director</p> <p>Dr Marc PAULY, IT, coordination, PMO</p> <p>Ms Simone CASALI, national PR coordinator, quality</p> <p>Main data providers:</p>

		<p>Mr Roland RICHARDY, Ministry of Finance: Registration, Domain and VAT Administration</p> <p>Mr Patrick MEDERNACH, Ministry of Finance: Registration, Domain and VAT Administration, Service IT</p> <p>Mr Michel WILMES, Ministry of Finance: Registration, Domain and VAT Administration</p> <p>Mr Jean RIES, Agency for the development of employment</p>
11:00 – 11:15	Coffee Break	
11:15 – 12:00	Meeting with providers of new data sources	<p>Peer Review Team:</p> <p>Ms Jennifer BANIM, Chair, PR expert</p> <p>Mr Pierre BISCHOFF, PR expert</p> <p>Mr Michail SKALIOTIS, PR expert</p> <p>Ms Tina STEENVOORDEN, PR expert</p> <p>STATEC:</p> <p>Mr John HAAS, deputy director</p> <p>Dr Marc PAULY, IT, coordination, PMO</p> <p>Mr Marc FERRING, prices</p> <p>Ms Simone CASALI, national PR coordinator, quality</p> <p>Providers of new data sources:</p> <p>Mr Nicolas VIVARELLI, POST Digital Transformation, Data Intelligence</p> <p>Mr Gilles FEIPEL, Groupe Cactus, supermarchés</p>
12:00 – 12:45	Meeting with main users – Media	<p>Peer Review Team:</p> <p>Ms Jennifer BANIM, Chair, PR expert</p> <p>Mr Pierre BISCHOFF, PR expert</p> <p>Mr Michail SKALIOTIS, PR expert</p> <p>Ms Tina STEENVOORDEN, PR expert</p> <p>STATEC:</p> <p>Mr John HAAS, deputy director</p> <p>Ms Annemarie JUNG, acting for communication</p> <p>Ms Simone CASALI, national PR coordinator, quality</p> <p>Media:</p> <p>Mr Christian MULLER, Tageblatt</p> <p>Mr Thomas KLEIN, Luxemburger Wort</p>
12:45 – 13:00	Session with division business cycle, modelling, forecasting	<p>Peer Review Team:</p> <p>Ms Jennifer BANIM, Chair, PR expert</p>

		<p>Mr Pierre BISCHOFF, PR expert Mr Michail SKALIOTIS, PR expert Ms Tina STEENVOORDEN, PR expert</p> <p>STATEC: Mr Ferdy ADAM, business cycle, modelling, forecasting Ms Simone CASALI, national PR coordinator, quality</p>
13:00 – 13:45	Lunch	
13:45 – 14:00	A 10-minute presentation of LCU gitlab application	<p>Peer Review Team: Ms Jennifer BANIM, Chair, PR expert Mr Pierre BISCHOFF, PR expert Mr Michail SKALIOTIS, PR expert Ms Tina STEENVOORDEN, PR expert</p> <p>STATEC : Ms Adriana BANDRABUR, large case unit (LCU) Ms Simone CASALI, national PR coordinator, quality</p>
14:00 – 15:00	Meeting with main users – Ministries and other public/private institutions (including Central Bank as a user)	<p>Peer Review Team: Ms Jennifer BANIM, Chair, PR expert Mr Pierre BISCHOFF, PR expert Mr Michail SKALIOTIS, PR expert Ms Tina STEENVOORDEN, PR expert</p> <p>STATEC: Mr John HAAS, deputy director Dr Marc PAULY, IT, coordination, PMO Ms Simone CASALI, national PR coordinator, quality</p> <p>Ministries and other public/private institutions: Ms Giulia SPALLETTI, Ministry of Economy (Observatories: economic competitiveness; price formation) Mr Jacques SCHMIT, Ministry of Finance; Treasury Ms Elisa MAZZUCATO, Ministry of Education Mr Paul MOOTZ, Administration of cadastre and topography Mr Germain STAMMET, Central Bank Luxembourg</p>
15:00 – 16:00	Meeting with main users – Business associations and federations and trade unions, as well as representatives of committee of users	<p>Peer Review Team: Ms Jennifer BANIM, Chair, PR expert Mr Pierre BISCHOFF, PR expert</p>

		<p>Mr Michail SKALIOTIS, PR expert Ms Tina STEENVOORDEN, PR expert</p> <p>STATEC: Mr John HAAS, deputy director Dr Marc PAULY, IT, coordination, PMO Ms Simone CASALI, national PR coordinator, quality</p> <p>Main users: Mr Fernand WEIDES, Chair of the Supreme Council of Statistics, Mr Laurent UHODA, Chamber of Wage- and Salary-earners, Mr Francis KAELL, State Ministry's information and press service</p>
16:00 – 16:15	Coffee Break	
16:15 – 17:15	Meeting with main users – Scientific community	<p>Peer Review Team: Ms Jennifer BANIM, Chair, PR expert Mr Pierre BISCHOFF, PR expert Mr Michail SKALIOTIS, PR expert Ms Tina STEENVOORDEN, PR expert</p> <p>STATEC: Mr John HAAS, deputy director Dr Marc PAULY, IT, coordination, PMO Ms Simone CASALI, national PR coordinator, quality</p> <p>Scientific Community: Dr Chiara PERONI, STATEC Research a.s.b.l. Dr Julien LICHERON, LISER Dr Françoise BERTHET, Observatoire de la Santé</p>
17:15 – 18:00	Peer review expert team discussion	
Timing	Topic	Participants
Day 5		
09:00 – 10:30	Peer review expert team discussion	<p>Peer Review Team: Ms Jennifer BANIM, Chair, PR expert Mr Pierre BISCHOFF, PR expert Mr Michail SKALIOTIS, PR expert Ms Tina STEENVOORDEN, PR expert</p>

10:30 – 10:45	Coffee Break	
10:45 – 12:45	Meeting with senior management of the NSI; conclusions and recommendations	<p>Peer Review Team: Ms Jennifer BANIM, Chair, PR expert Mr Pierre BISCHOFF, PR expert Mr Michail SKALIOTIS, PR expert Ms Tina STEENVOORDEN, PR expert</p> <p>STATEC: Dr Serge ALLEGREZZA, director Mr John HAAS, deputy director Dr Marc PAULY, IT, coordination, PMO Ms Annemarie JUNG, legal and risk, human resources, finances and logistics, communication Ms Lucia GARGANO, enterprise statistics Mr Ferdy ADAM, business cycle, modelling, forecasting Mr Jérôme HURY, social statistics Mr René KRIPPES, national accounts Dr Chiara PERONI, applied research Mr Luc ROETTIGERS, information technologies Ms Simone CASALI, national PR coordinator, quality</p>
12:45 – 13:45	Lunch	

ANNEX B – LIST OF PARTICIPANTS

STATEC:

Mr Ferdy ADAM, Head of division Business cycles, modelling, forecasting
Dr Serge ALLEGREZZA, Director
Ms Adriana BANDRABUR, Responsible for Large case unit (LCU)
Ms Simone CASALI, National PR coordinator, responsible for Quality
Mr Thibaut DI FABIO, Responsible for Structural business statistics
Mr Marc FERRING, Head of unit Prices
Ms Lucia GARGANO, Head of division Enterprise statistics
Mr Michel GELLER, Responsible for Business cycles, modelling, forecasting
Ms Chantal HAAS, Responsible for Finance
Mr John HAAS, Deputy Director
Ms Rebecca HEIREND, Responsible for International trade statistics
Mr Jérôme HURY, Head of division Social statistics
Ms Christina JACOBS, Training delegate
Ms Annemarie JUNG, Executive advisor (Legal & Risk, Communication, Human Resources-Finance-Logistics) and acting head of unit Communication
Mr René KRIPPES, Head of division Macroeconomic statistics
Mr Ben LANG, Responsible for Prices
Ms Sylvia MANN, Responsible Communication
Mr Eric-Alexandre MILLER, Responsible for Information systems security
Mr Stéphan MONJOIE, Responsible for Sector accounts
Mr Pierre-Jean OGER, Head of unit Human resources, finance and logistics
Dr Marc PAULY, Executive advisor (IT, Coordination, PMO)
Dr Chiara PERONI, Head of division Applied research
Mr Luc ROETTIGERS, Head of division Information technologies
Dr Francesco SARRACINO, Responsible for Applied research
Ms Jill SCHAUL, Responsible for Business cycles, modelling, forecasting
Mr Fabrice THILL, Responsible for Information systems security
Dr Olivier THUNUS, Responsible for Cooperation

ONA1: General Inspectorate of Social Security

Ms Vanessa DI BARTOLOMEO
Mr Thierry MAZOYER
Ms Laurence WEBER
Ms Mireille ZANARDELLI

ONA2: Directorate of Health

Mr Guy WEBER, Acting head of Epidemiology and Statistics Department

ONA3: Rural Economy Service

Mr Roger BARTHELMY, Head of Agricultural Statistics, Agricultural Markets and External Relations Division

Mr Charles MULLER, Agricultural Statistics, Agricultural Markets and External Relations Division

Supreme Council of Statistics:

Mr Fernand WEIDES, Chair of the Supreme Council of Statistics

Main data providers:

Mr Patrick MEDERNACH, Ministry of Finance: Registration, Domain and VAT Administration, IT Service

Mr Roland RICHARDY, Ministry of Finance: Registration, Domain and VAT Administration

Mr Jean RIES, Agency for the development of employment

Mr Michel WILMES, Ministry of Finance: Registration, Domain and VAT Administration

Providers of new data sources:

Mr Gilles FEIPEL, Groupe Cactus, supermarkets

Mr Nicolas VIVARELLI, POST Digital Transformation, Data Intelligence

Media:

Mr Thomas KLEIN, Luxemburger Wort

Mr Christian MULLER, Tageblatt

Ministries and other public/private institutions:

Ms Elisa MAZZUCATO, Ministry of Education

Mr Paul MOOTZ, Administration of cadastre and topography

Mr Jacques SCHMIT, Ministry of Finance; Treasury

Ms Giulia SPALLETTI, Ministry of Economy (Observatories: economic competitiveness; price formation)

Mr Germain STAMMET, Central Bank Luxembourg

Main users:

Mr Francis KAELL, State Ministry's information and press service

Mr Laurent UHODA, Chamber of Wage- and Salary-earners

Mr Fernand WEIDES, Chair of the Supreme Council of Statistics

Scientific Community:

Dr Françoise BERTHET, Observatoire de la Santé

Dr Julien LICHERON, LISER

Dr Chiara PERONI, STATEC Research a.s.b.l.