

Level 3 national report on quality of statistics underlying the MIP indicators

Statistical domain: Housing Price statistics

Country: Estonia

Institution: Statistics Estonia

Reference year: 2024

Date of update: 03/2025

National report providing information on quality, sources and methods, together with information on the statistical processes used for the compilation of the statistics underlying the MIP indicators (including concrete specifications for **housing price statistics) – 2025 version**

Reporting institution: Statistics Estonia

Selected principles					Some specific examples for indicators and related questions (Response options, unless indicated otherwise: not implemented; partially implemented; fully implemented)	Country response
European Code of Practice principles	Public Commitment on European Statistics by the ESCB	Selected elements				
<i>Institutional Environment</i>	<i>Institutional Environment</i>	<i>CoP/PC</i>	<i>IMF DQAF</i>	<i>SIMS</i>	<i>Question(s)</i>	<i>Housing price statistics</i>
CoP1 Professional Independence	PC1 Professional Independence	1.1/1.1	1.1.1 1.1.2		The independence of [name of reporting institution], from political and other external interference in developing, producing and disseminating official statistics is guaranteed by law. <i>Legal basis: Please confirm the independence by referring to the relevant national and EU legal act(s) and the formulation used in the legal act.</i>	1.1.1 <i>Legal basis:</i> Official Statistics Act 10.06.2010 (Official Statistics Act–Riigi Teataja) Chapter 2 GOVERNANCE OF OFFICIAL STATISTICS stipulates:

		1.4/1.5		<p>The [name of reporting institution] has an annual statistical work programme which is made public.</p> <p><i>Statistics work programme: Please confirm the existence of a statistics work programme and specify where to find it (or similar document), if available.</i></p>	<p>§ 8. <i>Producers of official statistics</i></p> <p>(1) The producers of official statistics are Statistics Estonia, and Eesti Pank to the extent provided for in subsection 34 (1) of the Eesti Pank Act.</p> <p>(2) A producer of official statistics shall explain to the public the matters related to official statistics, including the advantages of the methodology used over alternative methodologies, if the methodology used is not determined by legislation of the European Union, and provide preliminary assessments of the methodology and impacts of amendments thereto. Information about the methodology used and amendments planned thereto shall be published on the website of the producer of official statistics.</p> <p>(3) The producers of official statistics shall be independent in their choice of statistical methodology but shall coordinate the methodology within the limits of their competence. Any amendments to the methodology shall also be coordinated.</p> <p>(4) The producers of official statistics shall cooperate in the field of statistics with governmental authorities, research institutions, undertakings, citizens' associations and experts of respective fields, both on the national and</p>
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						<p>international level.</p> <p>§ 9. Statistics Estonia</p> <p>(1) Statistics Estonia is a governmental authority operating in the area of government of the Ministry of Finance which produces official statistics, provides data sharing services and exercises state and administrative supervision on the bases of and to the extent prescribed by this Act. [RT I, 15.03.2019, 2 – entry into force 01.04.2019]</p> <p>(2) The duties of Statistics Estonia are:</p> <ol style="list-style-type: none"> 1) to produce official statistics pursuant to the provisions of this Act; 2) to prepare in cooperation with Eesti Pank, representatives of public interest and the Statistical Council the part of the official statistical programme to be presented to the Government of the Republic; 3) to coordinate the production of official statistics; 4) to coordinate data governance and lead the system of classifications; [RT I, 15.03.2019, 2 – entry into force 01.04.2019] 4¹) to provide data sharing services; [RT I, 15.03.2019, 2 – entry into force
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					<p>01.04.2019]</p> <p>5) to ensure clerical support to the Statistical Council;</p> <p>6) to perform other duties arising from law.</p> <p>(3) Upon performance of the duties specified in subsection (2) of this section, Statistics Estonia shall be professionally independent within the meaning of Regulation (EC) No 223/2009 of the European Parliament and of the Council.</p> <p>(4) Statistics Estonia shall act as a national contact point for the Statistical Office of the European Union (<i>Eurostat</i>).</p> <p><i>1.1.2 Statistics work programme:</i></p> <p>(5) We confirm the existence of a statistics work programme covering housing price statistics. https://www.riigiteataja.ee/akt/309022022001</p>
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CoP2 Mandate for data collection	PC2 Mandate for data collection	2.1/2.1	0.1.1	S 7.1	<p>The mandate(s) of the [name of the institution(s)] to collect information for the development, production and dissemination of European Statistics is specified in law.</p> <p><i>Allocation of responsibilities: Please explain the allocation of responsibilities in producing the relevant statistics.</i></p> <p><i>Legal basis: Please confirm the mandate by referring to the relevant legal act(s) and any other kind of formal agreements.</i></p>	<p><i>1.2.1 Allocation of responsibilities:</i> Statistics Estonia is responsible for the production and dissemination of housing price statistics.</p> <p><i>1.2.2 Legal basis:</i> We confirm the mandate for the production of housing price statistics. Statistics work programme covers housing price statistics. https://www.riigiteataja.ee/akt/309022022001</p>
CoP6 Impartiality and objectivity	PC6 Impartiality and objectivity	6.6/6.6	1.2.4	S9.1 + S9.2 S.20.1	<p>Advance notice is given on release calendars and on major revisions or changes in methodologies, source data and techniques.</p> <p><i>Advance release calendar: Please confirm the existence of an advance release calendar and provide a link to it.</i></p> <p><i>Revision policy: Please explain succinctly the revision policy and provide a link to material on the revision policy, if existent.</i></p>	<p><i>1.3.1 Advance release calendar:</i> We confirm the existence of an advance release calendar for housing price statistics. https://www.stat.ee/en/calendar</p> <p><i>1.3.3 Revision policy:</i> The data revision policy and notification of corrections are described in the dissemination policy of Statistics Estonia https://www.stat.ee/en/statistics-estonia/about-us/strategy/principles-dissemination-official-statistics</p>

<i>Statistical Processes</i>	<i>Statistical Processes</i>	<i>CoP/PC</i>	<i>IMF DQAF</i>	<i>SIMS</i>	<i>Question(s)</i>	<i>Housing price statistics</i>	
CoP7 Sound methodology	PC7 Sound methodology	7.1/7.1		2.1	S4.3	Please specify the relevant statistical standards to which the statistics abide.	2.1.1 <i>General remarks:</i> Concepts and rules applied for the production of the HPI are in close alignment with methodological recommendations and international standards (e.g. collection of actual transaction prices, chain-linked indexation and weight updating procedures).
				2.2	S4.4	<i>Links/references to existing comprehensive methodological documentation on specific aspects of the national sources and methods can also be provided</i>	
				2.3	S4.5		
				2.4	S4.6	Please specify adherence or deviations from concepts and rules according to international standards and highlight coverage gaps that are of <u>material</u> <u>relevance</u> for the statistics.	
					S 6		
				S12.1	Please indicate whether actions to address the deviations and coverage gaps are envisaged.		
CoP8 Appropriate Statistical procedures	PC8 Appropriate Statistical procedures	8.2/8.2		3.1	S12.1	Please provide a succinct assessment of the robustness of the statistics by elaborating briefly on the relevant sources of information, statistical methods and procedures used across the various frequencies.	2.2.1 <i>Main features:</i> HPI data for the purchases of new and existing dwellings are compiled on the basis of full transaction prices. The HPI covers all transactions of dwellings made by households regardless of their final use. The weights for the two sub-indices are equal to the total value of dwelling transactions for new and existing dwellings, respectively. Both prices and weights include land value, as recommended by the Manual.
				3.3	S21.1		
				3.4	S21.3		
					S 21.5-6	<i>Please provide links/references to existing comprehensive methodological documentation on specific aspects of the national statistical procedures. The objective should be to get an overview on how much the statistical output are anchored in actual collected data rather than on</i>	

					<i>estimation methods or similar judgemental inputs.</i>	2.2.2 <i>Country specific aspects:</i> Transaction data received from notaries and additional data from Estonian Building Register are aligned for us by Estonian Land Board.
Statistical Output	Statistical Output	CoP/PC	IMF DQAF	SIMS	Question(s)	Housing price statistics
CoP11 Relevance	PC11 Relevance	11.1-11.3	0.3	S.14	Please specify briefly why the statistics are relevant by referring to the multiple purposes for which the statistics are used at (i) international, (ii) EU and (iii) national level. References to the statistical legislation and other formal or informal commitments could be sufficient. In addition, if applicable, the outcome of user consultation processes could also be given.	Nationally, the HPI responds to the needs of a wide range of user groups interested in the behaviour of the domestic housing market, including government policy makers, the financial sector, the construction sector, households, related associations, and researchers.
CoP12 Accuracy and reliability	PC12 Accuracy and reliability (including stability)	12.1/12.1	3.5	S 15.1 S 15.2 S15.3 S.18.2 S 20.2	The analysis should be based on the following indicators (to be compiled by the ECB/Eurostat on a common data vintage) on the reliability of first releases for the relevant series (selected for their material impact and to avoid compensatory effects in the case of balancing items): - Directional reliability indicators; - Revisions indicators (e.g. MAPE, MACE or RMSRE depending on the indicator). and provide a succinct assessment of the accuracy and reliability of the statistics on the basis of the results, with an attempt to provide a relative objective measure, explaining also the main reasons	Several administrative sources are used. Transaction data received from notaries and additional data from Estonian Building Register are aligned for us by Land Board. HPI is perceived to be accurate and to reflect adequately the overall performance of the housing market.

					for revisions.	
					Please provide a succinct assessment of the level of the statistical discrepancies (“ <i>internal consistency</i> ”)	Administrative source is used, it should cover all transactions. Internal consistency is ensured through the hierarchical estimation steps from elementary indices to two sub-indices and then to the final aggregated index.
CoP13 Timeliness and punctuality	PC13 Timeliness (including punctuality)	13.1 13.4	4.1	S.16	Please specify the timeliness requirements for international and EU purposes and the national target publication dates. Please specify punctuality defined as deviations in relation to the timeliness requirements and target dates specified above.	3.3.1 <i>National requirements</i> : The typical time lag (in days) between the end of the period to which the HPI relates and its national publication is not more than T+85. 3.3.2 <i>EU and other international requirements</i> : At the EU level, the indices are transmitted to Eurostat not later than 85 days after the end of reference period.
CoP14 Coherence and comparability	PC14 Consistency and comparability	14.1/14.1	4.2.1 4.2.2 4.2.3	S17.2 S 18.1	Please provide a succinct assessment of the results of the consistency check of the statistics with other related domains or data sets with which the statistics must show coherence (“ <i>external consistency</i> ”). The results should provide a relative objective	3.4.1 <i>Consistency with related statistics</i> : We carry out some checks for consistency between HPI and OOHPI.

					<p>measure to facilitate cross-country comparability, e.g. be presented as a ratio of the inconsistency between compared statistics, as a percentage of GDP, where appropriate.</p> <p>Please provide a succinct assessment of the time series consistency, specifying (i) whether the time series presents breaks and if so explaining the reasons for the breaks; (ii) the length of the series for which back data are consistent; and (iii) whether the statistics are consistent across the various frequencies (monthly/quarterly/annual) where relevant.</p>	
CoP15 Accessibility and Clarity	PC15 Accessibility and Clarity	15.1/15.1	5.1.1 5.2.1	S9.3 S 11 S12.1	<p>Please provide a brief description of the dissemination policy and dissemination means, including links to the data and respective metadata.</p>	<p>3.4.2 “Time” and back data consistency: The HPI has not suffered any breaks in continuity since the start of production. Time series start from the 1st quarter 2005 and are considered to be consistent.</p> <p>Notifications about the dissemination of statistics are published in the release calendar, which is available on the website. On 1 October each year, the release times of the Statistical Database, news releases, main indicators by IMF SDDS and publications are announced in the release calendar (in case of publications – the release month).</p> <p>https://www.stat.ee/en/calendar</p> <p>https://www.stat.ee/en/find-statistics/methodology-and-quality/esms-metadata/20412#2-Metadata-update-1</p> <p><u>1</u></p>