

**CENSUS\_INS21ES\_A\_DE\_2021\_0000**

National Reference Metadata in Euro SDMX Metadata Structure (ESMS)

Compiling agency: Statistisches Bundesamt (Destatis)



## Eurostat metadata

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For any question on data and metadata, please contact: [Eurostat user support](#)

1. Contact <a href="#">Top</a>	
1.1. Contact organisation	Statistisches Bundesamt (Destatis)
1.1.1. Responsible party	F1 Zensus

<b>1.1.2. Responsible party role</b>	Distributor
<b>1.2. Contact organisation unit</b>	n/a
<b>1.5. Contact mail address</b>	n/a

<b>2. Metadata update</b> <a href="#">Top</a>	
<b>2.1. Metadata last certified</b>	31/01/2023
<b>2.2. Metadata last posted</b>	31/01/2023
<b>2.3. Metadata last update</b>	31/01/2023

<b>3. Statistical presentation</b> <a href="#">Top</a>	
<b>3.1. Data description</b>	
n/a	
<b>3.1.1. Resource title</b>	
Provisional data on the 2021 population and housing census geocoded to a 1 km2 grid	
<b>3.1.2. Resource abstract</b>	
Provisional data on the 2021 population and housing census geocoded to a 1 km2 grid	
<b>3.1.3. Resource type</b>	
Spatial data set series	
<b>3.1.3.1. Additional information if 'spatial data set' is marked</b>	
<a href="https://data.europa.eu/en">https://data.europa.eu/en</a>	
<b>3.1.4. Resource locator</b>	
n/a	
<b>3.1.5. Unique resource identifier</b>	

<a href="https://data.europa.eu/en">https://data.europa.eu/en</a>
<b>3.1.6. Coupled resource</b>
<a href="https://data.europa.eu/en">https://data.europa.eu/en</a>
<b>3.1.7. Resource language</b>
en
<b>3.1.8. Keyword value</b>
Population Distribution
<b>3.1.9. Originating controlled vocabulary</b>
<a href="https://inspire.ec.europa.eu/theme/pd">https://inspire.ec.europa.eu/theme/pd</a>
<b>3.1.10. Metadata language</b>
en
<b>3.2. Classification system</b>
n/a
<b>3.3. Coverage - sector</b>
n/a
<b>3.3.1. Topic category</b>
Society
<b>3.3.2. Spatial data service type</b>
Download Service
<b>3.4. Statistical concepts and definitions</b>
n/a
<b>3.4.1. Statistical concepts and definitions - Total population</b>
For census purposes, the total population of the country consists of all the persons falling within the scope of the census in EU on usual residents.

Usual residence means the place where a person normally spends the daily period of rest, regardless of temporary absences for purposes of recreation, holidays, visits to friends and relatives, business, medical treatment or religious pilgrimage.

Persons usually resident in the place of enumeration but absent, or expected to be absent, at the time of the census for less than one year shall be considered as temporarily absent persons and thus included in the total usually population. In contrast, persons living or expected to live outside the place of enumeration for one year or more shall not be considered temporarily absent and shall therefore be excluded from the total population. This is regardless of the length of visits that they may pay to their families from time to time.

Persons who are enumerated but do not meet the criteria for usual residence in the place of enumeration, i.e. do not live or do not expect to live in the place of enumeration for a continuous period of at least 12 months, are considered temporarily present and are therefore not counted in the total usually resident population. Unless otherwise stated in this report.

#### **3.4.2. Statistical concepts and definitions - Sex**

n/a

#### **3.4.3. Statistical concepts and definitions - Age**

The age reached at the reference date (in completed years).

#### **3.4.4. Statistical concepts and definitions - Employed person**

n/a

#### **3.4.5. Statistical concepts and definitions - Place of birth**

The place of birth for persons born within the country is the civil division in which the person was born; for those born in other countries, it is the country of birth. For persons born in the country (the native-born population), the concept of place of birth usually refers to the geographic unit where the mother of the individual resided at the time of the person's birth.

#### **3.4.6. Statistical concepts and definitions - Place of usual residence one year prior to the census**

The relationship between the current place of usual residence and the place of usual residence one year prior to the census.

For all persons that have changed their usual residence more than once within the year prior to the reference date, the previous place of usual residence is the last usual residence from which they moved to their current place of usual residence.

#### **3.5. Statistical unit**

persons

<b>3.6. Statistical population</b>
n/a
<b>3.7. Reference area</b>
n/a
<b>3.7.1. Geographic bounding box</b>
westbound longitude 5.561252  eastbound longitude 15.578555  southbound latitude 47.141224  northbound latitude 55.054344
<b>3.7.2. Spatial resolution</b>
1000  Unit:m
<b>3.7.3. Coordinate Reference System</b>
EPSG:3035 - ETRS89 / LAEA Europe
<b>3.8. Coverage - Time</b>
Data refer to the situation in the reporting country at the census reference date.
<b>3.9. Base period</b>
Not applicable.

<b>4. Unit of measure</b>	<a href="#">Top</a>
Counts of statistical units.	

<b>5. Reference Period</b>	<a href="#">Top</a>
n/a	
<b>5.1. Temporal extent</b>	
2021-12-31	

<b>6. Institutional Mandate</b>	<a href="#">Top</a>
<b>6.1. Institutional Mandate - legal acts and other agreements</b>	
n/a	
<b>6.2. Institutional Mandate - data sharing</b>	
n/a	

<b>7. Confidentiality</b>	<a href="#">Top</a>
<b>7.1. Confidentiality - policy</b>	
n/a	
<b>7.2. Confidentiality - data treatment</b>	
A rounding procedure was applied to small population numbers.	

<b>8. Release policy</b>	<a href="#">Top</a>
<b>8.1. Release calendar</b>	
n/a	
<b>8.2. Release calendar access</b>	
n/a	
<b>8.3. Release policy - user access</b>	

n/a
<b>8.3.1. Conditions applying to access and use</b>
<a href="https://inspire.ec.europa.eu/metadata-codelist/ConditionsApplyingToAccessAndUse/noConditionsApply">https://inspire.ec.europa.eu/metadata-codelist/ConditionsApplyingToAccessAndUse/noConditionsApply</a>
<b>8.3.2. Limitations on public access</b>
<a href="https://inspire.ec.europa.eu/metadata-codelist/ConditionsApplyingToAccessAndUse/noConditionsApply">https://inspire.ec.europa.eu/metadata-codelist/ConditionsApplyingToAccessAndUse/noConditionsApply</a>

<b>9. Frequency of dissemination</b>	<a href="#">Top</a>
Decennial	

<b>10. Accessibility and clarity</b>	<a href="#">Top</a>
<b>10.1. Dissemination format - News release</b>	
n/a	
<b>10.2. Dissemination format - Publications</b>	
n/a	
<b>10.3. Dissemination format - online database</b>	
n/a	
<b>10.4. Dissemination format - microdata access</b>	
n/a	
<b>10.5. Dissemination format - other</b>	
n/a	
<b>10.6. Documentation on methodology</b>	
n/a	
<b>10.7. Quality management - documentation</b>	

n/a
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## 11. Quality management

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### 11.1. Quality assurance

The process of the production of the provisional grid data on total population in Germany is in line with Commission Regulation (EC) No 1205/2008 of 3 December 2008 implementing Directive 2007/2/EC of the European Parliament and of the Council as regards metadata and Commission Implementing Regulation (EU) 2018/1799 of 21 November 2018 on the establishment of a temporary direct statistical action for the dissemination of selected topics of the 2021 population and housing census geocoded to a 1 km<sup>2</sup> grid.

#### 11.1.1. Lineage

The provisional grid data set on total population in Germany is the official provisional version and was produced for the first time. Quality assurance measures were taken according to section 11.2.. As the current grid data set is provisional, it will be revised by 2024-03-31.

#### 11.1.2. Conformity, specification

The spatial data set is a product of the Bundesamt für Kartographie und Geodäsie (BKG): <https://gdz.bkg.bund.de/index.php/default/digitale-geodaten/nicht-administrative-gebieteinheiten/geographische-gitter-fur-deutschland-in-lambert-projektion-geogitter-inspire.html>  
Conformity with Commission Regulation (EU) No 1089/2010 of 2010-11-23 implementing Directive 2007/2/EC of the European Parliament and of the Council as regards interoperability of spatial data sets and services.

#### 11.1.3. Conformity, degree

Census source data in Germany include addresses along with geocoordinates. The data für the provisional grid data on total population were loaded from there. The official source of the geocoordinates in Germany ist the Bundesamt für Kartographie und Geodäsie (BKG).  
Conformity with Commission Regulation (EU) No 1089/2010 of 2010-11-23 implementing Directive 2007/2/EC of the European Parliament and of the Council as regards interoperability of spatial data sets and services.

### 11.2. Quality management - assessment

The process used to produce the provisional grid cell data\* (i.e. programming code itself and implementation) was extensively tested by Destatis in advance.

During the implementation of the process it was checked by Destatis:

- whether the results corresponded to the marginal values from the input file
- whether the procedure worked as intended



- whether the results appeared plausible.  
\* see section 18.5.: methodical description of the combination model

<b>12. Relevance</b>	<a href="#">Top</a>
<b>12.1. Relevance - User Needs</b>	
n/a	
<b>12.2. Relevance - User Satisfaction</b>	
n/a	
<b>12.3. Completeness</b>	
n/a	

<b>13. Accuracy</b>	<a href="#">Top</a>
<b>13.1. Accuracy - overall</b>	
see section 18.5.: methodical description of the combination model	
<b>13.2. Sampling error</b>	
n/a	
<b>13.3. Non-sampling error</b>	
n/a	

<b>14. Timeliness and punctuality</b>	<a href="#">Top</a>
<b>14.1. Timeliness</b>	
Grid cell data were produced in a timely manner after the reference date 2021-12-31.	
<b>14.1.1. Date of publication</b>	

2022-10-18
<b>14.1.2. Date of last revision</b>
18/10/2022
<b>14.1.3. Date of creation</b>
18/10/2022
<b>14.2. Punctuality</b>
Grid cell data were produced in a timely manner after the reference date 2021-12-31.

<b>15. Coherence and comparability</b>	<a href="#">Top</a>
<b>15.1. Comparability - geographical</b>	
n/a	
<b>15.1.1. Geographic information - data quality</b>	
<p>The coordinates (NORTH VALUE and RIGHT VALUE) for georeferencing of addresses in the population register come mainly from georeferenced address (GA) data which is a product of the Bundesamt für Kartographie und Geodäsie (BKG):  <a href="https://gdz.bkg.bund.de/index.php/default/georeferenzierte-adressdaten-ga.html">https://gdz.bkg.bund.de/index.php/default/georeferenzierte-adressdaten-ga.html</a>.</p>	
<b>15.2. Comparability - over time</b>	
n/a	
<b>15.3. Coherence - cross domain</b>	
n/a	
<b>15.4. Coherence - internal</b>	
n/a	

<b>16. Cost and Burden</b>	<a href="#">Top</a>
n/a	

<b>17. Data revision</b>	<a href="#">Top</a>
<b>17.1. Data revision - policy</b>	
n/a	
<b>17.2. Data revision - practice</b>	
n/a	

<b>18. Statistical processing</b>	<a href="#">Top</a>
<b>18.1. Source data</b>	
n/a	
<b>18.2. Frequency of data collection</b>	
n/a	
<b>18.3. Data collection</b>	
n/a	
<b>18.4. Data validation</b>	
n/a	
<b>18.5. Data compilation</b>	
<p>The provisional grid cell data were produced by using a 'combination model' (combination of the current population estimation with register evaluations):</p> <p>The entity of the population register used for the census 2022 data is the address. Every address in the population register was supplemented with grid cell information (=coordinates), see section 15.1.1.. These georeferenced register data as of 2021-11-14 were calibrated against the population estimation figures as of 2021-12-31.</p> <p>Consequently, the estimated total population figures for each grid cell were consistent with the population estimation as of 2021-12-31.</p> <p>(see Annex "Description of the combination model in detail")</p>	

**Annexes:**[Description of the combination model in detail](#)**18.6. Adjustment**

n/a

**19. Comment**[Top](#)

n/a

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