

## Country Profile: Estonia

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### Country Resources

#### Topographic

Series	Publisher	Scale	Years	Sheets
Estonia 1:10,000 Scale Topographic Maps	Eesti Kaardikeskus	1:10,000	1996 - 2016	2265
Estonia 1:20,000 Scale Topographic Maps	Eesti Kaardikeskus	1:20,000	1994 - 2018	600
Estonia 1:50,000 Scale Topographic Maps	Eesti Kaardikeskus	1:50,000	-	105
Estonia 1:50,000 Scale Topographic Maps (1930's)	Regio	1:50,000	1936 - 1938	8

#### Nautical

Series	Publisher	Scale	Years	Sheets
Estonia Nautical Charts (All Scales)	Veeteede Amet	Varies	2000 - 2021	67

#### Aeronautical

Series	Publisher	Scale	Years	Sheets
Finland 1:500,000 Scale Aeronautical Charts	FINAVIA	1:500,000	2020 - 2021	8

#### Geoscientific

Series	Publisher	Scale	Years	Sheets
Estonia 1:50,000 Scale Aeromagnetic Anomalies Maps	Eesti Geoloogiakeskus	1:50,000	2003 - 2016	13
Estonia 1:50,000 Scale Explanatory Notes	Eesti Geoloogiakeskus	1:50,000	2003 - 2017	17
Estonia 1:50,000 Scale Geological Bedrock Maps	Eesti Geoloogiakeskus	1:50,000	2003 - 2017	15
Estonia 1:50,000 Scale Geomorphological Maps	Eesti Geoloogiakeskus	1:50,000	2003 - 2017	13
Estonia 1:50,000 Scale Gravity Anomaly Maps	Eesti Geoloogiakeskus	1:50,000	2003 - 2016	12
Estonia 1:50,000 Scale Groundwater Vulnerability Maps	Eesti Geoloogiakeskus	1:50,000	2003 - 2017	13
Estonia 1:50,000 Scale Hydrogeological Maps	Eesti Geoloogiakeskus	1:50,000	2003 - 2017	13
Estonia 1:50,000 Scale Quaternary Deposit Maps	Eesti Geoloogiakeskus	1:50,000	2003 - 2017	15
Estonia 1:50,000 Scale Quaternary Deposit Thickness Maps	Eesti Geoloogiakeskus	1:50,000	2003 - 2017	15

#### Thematic

Series	Publisher	Scale	Years	Sheets
The World 1:30,000,000 Scale Topographic Map Series 1145 (NGA)	DMA	1:30,000,000	-	2

### Global Census Archive: GIS Census Data

Year	Questions / Answers	ADM Level	Polygons at ADM	Data Points
2011	50 / 465,406	3	4,682	2,179,030,892

### Global Resources

#### Topographic

Series	Publisher	Scale	Years	Sheets
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Soviet Military City Plans	Voenna-topograficheskoe upravlenie General'nogo shtaba (Soviet Union)	Varies	1944 - 2003	3017
Soviet Military 1:100,000 Scale Topographic Maps	Voenna-topograficheskoe upravlenie General'nogo shtaba (Soviet Union)	1:100,000	1947 - 1999	24897
Soviet Military 1:200,000 Scale Topographic Maps	Voenna-topograficheskoe upravlenie General'nogo shtaba (Soviet Union)	1:200,000	1949 - 2009	17799
Soviet Military 1:500,000 Scale Topographic Maps	Voenna-topograficheskoe upravlenie General'nogo shtaba (Soviet Union)	1:500,000	1953 - 1998	3093

## Nautical

Series	Publisher	Scale	Years	Sheets
NGA Nautical Charts POD Certified (All Scales)	National Geospatial-Intelligence Agency	Varies	1943 - 2013	4517

## Aeronautical

Series	Publisher	Scale	Years	Sheets
Joint Operations Graphic (JOG) 1:250,000 - Aeronautical	Defence Mapping Agency	1:250,000	1958 - 2007	4204
Tactical Pilotage Chart (TPC) 1:500,000 Scale - Aeronautical	Defence Mapping Agency	1:500,000	1967 - 2006	598
Operational Navigation Chart (ONC) 1:1,000,000 Scale - Aeronautical	Defence Mapping Agency	1:1,000,000	1969 - 2001	243
Jet Navigation Chart (JNC) 1:2,000,000 Scale - Aeronautical	Defence Mapping Agency	1:2,000,000	1971 - 1999	117
Global Navigation and Planning Chart (GNC) 1:5,000,000 Scale - Aeronautical	Defence Mapping Agency	1:5,000,000	1981 - 1999	27

## Geoscientific

Series	Publisher	Scale	Years	Sheets
Soviet Military 1:1,000,000 Scale Topographic Maps	Voenna-topograficheskoe upravlenie General'nogo shtaba (Soviet Union)	1:1,000,000	1948 - 1994	1089

**Note:** East View Geospatial is continuously sourcing new resources that may not yet be listed in Global Explorer. Please contact us if you have geodata needs beyond what is listed above and we will be happy to discuss available off-the-shelf and custom solutions.

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## Historical Country Mapping Information

Jump to: [Topographic](#) | [GIS/Vector](#) | [Nautical](#) | [Aeronautical](#) | [Geological/Scientific](#) | [Thematic](#) | [Atlas](#) | [Tourist/Reference](#) | [Census/Demography/Statistics](#)

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### Topographic

Soviet mapping of Estonia included civilian 1:25 000, 1:50,000 and 1:200,000 scale coverage of the country with Cyrillic place names and standard Russian specifications. Military coverage was also compiled at 1:100,000, 1:500,000 and 1:1,000,000 scales.

Soviet military topographic mapping of Estonia exists at the following scales: 1:1,000,000 (3 sheets, complete coverage, published 1987-1989); 1:500,000 (7 sheets, complete coverage, published 1986-1993); 1:200,000 (30 sheets, complete coverage, published 1975-1993); 1:100,000 (68 sheets, complete coverage, published 1973-1992); 1:50,000 (147 sheets, primarily complete coverage, published 1972-1991) and city (1:10,000) topographic mapping of Parnu, Tallinn, Tapa and Tartu published between 1975 and 1990. These products are available in print, digital raster and digital vector GIS formats from **East View Geospatial**.

Following independence the **Estonian National Land Board (Riigi Maa-amet RMA)** was established in the **Ministry of Agriculture**, and operates as the national mapping agency, with responsibility for geodetic, cadastral and cartographic surveying and mapping. At first maps continued to use Soviet map bases. 1:200,000 scale mapping in four sheets was compiled in 1992 in association with **Aerogeodezija** in St. Petersburg, with Estonian place names and index and 20 m contours.

Two major initiatives have been started since independence. New 1:10,000 scale coverage of the whole country has been compiled. This orthophotomap is under constant revision. It is used as the source for cadastral and thematic mapping and to derive a full color topographic map which will be completed in about 470 sheets. This 1:20,000 scale basic map of the whole country is in progress, and uses a similar style to Finnish mapping, with cultivated land shown in a light brown and relief with 2.5 m contours. A second new project has used Swedish aid for the production of the bilingual Estonian and English *Eesti baaskaart* 1:50,000. This 112 sheet series is produced from a digital database derived from SPOT satellite imagery and is on a Transverse Mercator projection, International ellipsoid. The maps are plotted on an image base, with color printed land cover overlay, 5 m contour interval and the UTM grid, and are compiled in conjunction with the **Swedish and Mäteriet (LMV)** and the **Swedish Space Corporation**. The series was completed by the end of 1996 and digital versions of the maps are also available. Other official mapping includes a new administrative map of Estonia at 1:400,000 scale.

[Back to top](#)

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## GIS/Vector

The **Estonian Environmental Information Center** was established in 1989. It acts as the Estonian focal point of contact for the international GRID and CORINE environmental programs and is developing a GIS comprising a number of different databases used for the production of thematic environmental maps and the provision of georeferenced environmental data.

[Back to top](#)

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## Nautical

The **Lighthouse and Hydrographic Department (Tuletorni hüdrograafialitus)** in the **Ministry of Transport and Communication** maintains about 80 hydrographic charts of Estonian coasts, ports and inland waters. These include complete 1:100,000 scale coverage of Estonian waters.

[Back to top](#)

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## Aeronautical

**Estonian Air Navigation Services** was established in 1996 as the official aeronautical charting agency. In 1997 it published the first Estonian versions of 1:500,000 scale charting conforming to ICAO standards.

[Back to top](#)

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## Geological/Scientific

**Eesti Geoloogiakeskus (EG)**, the **Geological Survey of Estonia**, was founded in 1937. Systematic geological mapping began at the end of the 1950s and since 1993 it has functioned as a state geological research organization responsible to the **Ministry of the Environment**. 1:200,000 scale geological, and quaternary mapping is published, and a groundwater map at this scale is under compilation. Smaller scale quaternary and geological mapping is also available and a map of Estonian mires at 1:400,000 scale has been compiled in association with **Regio Ltd**. 1:50,000 scale programs are in operation in districts with significant mineral resources.

[Back to top](#)

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## Thematic

**Regio Ltd**, with headquarters in Tartu was established in 1990 and has built an impressive product range, including tourist maps, town maps, facsimile mapping, maps for education, maps for motorists and a range of nine six-color hydrographic charts. In 1996 it first published an indexed 1:200,000 scale road atlas of the country including town maps, a digital version of which is also available on CD-ROM, updated annually. The majority of its maps are now derived from its digital database of Estonia, and digital versions of many are also available.

[Back to top](#)

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## Atlas

**Regio Ltd** has also been involved in the creation of an atlas volume for the Estonian Encyclopedia. This multi media atlas on CD-ROM includes interactive mapping, sounds, pictures and stories relating to the country and is accessible in English or Estonian. **Regio** also maintains an on-line Estonian atlas, in conjunction with the **Institute for Baltic Studies**.

[Back to top](#)

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## Tourist/Reference

A comparable range of commercial products is maintained by **EO Map**, established in 1992, which claims to be the largest commercial surveying and mapping concern in the country, and maintains offices in Tallinn and Tartu. Twenty-three Estonian cities are covered in a range of town maps, and tourist maps cover the 15 Estonian districts. A 1:200,000 scale road atlas is regularly updated. In addition to this range of hard copy maps **EO Map** issues digital coverage in Microstation and O-CAD formats, at a number of different scales, including 1:1,000,000 and 1:200,000 for the whole country, as well as coverage of many towns and district mapping.

Other commercial mapping of Estonia is produced by **Jana Seta (JS)**, **Gizimap**, **HarperCollins**, and **RV. Quail** produce a black and white railway map of the country.

[Back to top](#)

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## Census/Demography/Statistics

The **Statistical Office Estonia** is preparing census mapping in conjunction with commercial map maker **Regio Ltd**. A web-based listing of Estonian place names is maintained by the **Place Names Board of Estonia**, established in this form in 1997.

[Back to top](#)

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