

Country Profile: Montenegro

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Country Resources

Topographic

Series	Publisher	Scale	Years	Sheets
Yugoslavia 1:750,000 Scale Topographic Maps	Vojnogeografski Institut	1:750,000	1968 - 1968	2

Geoscientific

Series	Publisher	Scale	Years	Sheets
Romania 1:500,000 Scale Geological Maps (12 Sheets)	Comitetul Geologic	1:500,000	1964 - 1964	1
Montenegro 1:25,000 Scale Geological Maps	Zavoda za Geološka Istraživanja	1:25,000	-	182

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

East View Geospatial has an ongoing effort to add GIS census data to our Global Census Archive program. Please contact us for the status and availability of Montenegro census resources.

Global Resources

Topographic

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

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Topographic

Following the secession of several of the former Yugoslav federal states, Yugoslavia was reconstituted in 1992 as a federation of the two republics of Serbia and Montenegro.

The official topographic mapping agency remains the **Military Geographical Institute (Savezna Geodetska Uprava - SGU)**, Belgrade, which was founded in 1944, but whose origins go back to 1876, when a **Geographical Section** was established within the **Serbian Army**. By the 1920s an extensive program of triangulation and levelling was in progress and topographic map series at scales of 1:50,000 and 1:100,000 were in production. This 'Parisian' mapping (because it used the Paris meridian) remained of service until well after World War II. However, soon after the establishment of the new Institute in 1944, an entirely new program of topographic mapping began, using photogrammetric techniques and a new survey control network. The basic scale mapping for the whole of postwar Yugoslavia was 1:25,000, and the complete series of 3,029 sheets was issued between 1959 and 1968. There were subsequent revisions. Derived series were published at scales of 1:50,000, 1:100,000 and 1:200,000. A 1:500,000 scale series was linked to aeronautical charts and other thematic mapping, and three 1:1,000,000 scale sheets were produced in conformity with the *International map of the World* specification.

The sheet lines of these series are graticule-based and refer to the Greenwich Meridian. The maps are colored, and are gridded, with contours (20 m intervals for the larger scales), roads color classified and woodlands in green. The 1:500,000 series has hypsometric tints for relief.

A digital version of the 1:100,000 scale topographic map is in preparation, and in 1996 work began on a national digital base map at 1:5,000 scale. The work is being done by the **Institute of Geodesy**, in the **Civil Engineering Faculty** of the University of Belgrade.

Soviet military topographic mapping of Montenegro exists at the following scales: 1:1,000,000 (1 sheet, complete coverage, published in 1990); 1:500,000 (2 sheets, complete coverage, published in 1982); 1:200,000 (9 sheets, complete coverage, published 1976-1978); 1:100,000 (19 sheets, complete coverage, published 1976-1977) and 1:50,000 (59 sheets, complete coverage, published 1974-1977). These products are available in print, digital raster and digital vector GIS formats from **East View Geospatial**.

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GIS/Vector

Digital mapping within a geographical information systems framework has been carried out by several academic institutions. A water

resources database for Serbia is being developed by the '**Jaroslav Cerni**' **Water Resources Institute**.

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Geological/Scientific

The **Federal Geological Institute (Geoinstitut)** in Belgrade has been responsible for an extensive standard series of 1:100,000 scale geological maps, and a number of 1:500,000 scale earth science maps were published in the 1980s and 1990s.

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Thematic

Hydrological, meteorological and climatological data are collected by the **Federal Hydrometeorological Institute (Savezni Hidrometeoroloski Zavod)**. A climatological atlas was issued in the 1970s.

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Tourist/Reference

The principal commercial cartographic publishing company is **Izdavacka Ustanova Zavod za Kartografiju 'Geokarta' (Geokarta)**, Belgrade, established in 1947. The company prepares a range of folded, road and tourist maps of the Balkans, city maps of Belgrade, general World and continental maps and also specializes in the production of school atlases, wall maps and other maps for educational use. Some maps are in Cyrillic and some use the Latin alphabet.

Many private publishers now located in the newly independent Balkan republics have contributed to the general and tourist mapping of the region. A useful indexed map covering the greater region is the *Times map of the Western Balkans*, and tourist maps by **Freytag-Berndt (FB)**, Vienna and **Kummerley and Frey (K+F)**, Bern, cover the whole of former Yugoslavia. The American **Central Intelligence Agency (CIA)** has also produced useful small scale general and thematic maps.

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Census/Demography/Statistics

Statistical data is collected by the **Federal Statistical Office**, and has been used in demographic mapping.

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