Seismic hazard maps for Serbia, for a return period of 95, 475 and 975 years (PGA and seismic intensity units)

Metadata Export - GEO-WB6 GIS Portal

Export Date: January 30, 2026 09:46 | **Identifier:** RS.RSZ.SH | **Resource Type:** Dataset

BASIC INFORMATION

Core identification information for the metadata record

Title: Seismic hazard maps for Serbia, for a return period of 95, 475 and 975 years (PGA and seismic intensity units)

Country: Serbia (srb)

Abstract: Seismic hazard maps for Serbia, for return periods of 95, 475 and 975 years (PGA) were created at the Seismological Survey of Serbia in 2018, based on all available data on historical and current seismicity and the latest knowledge on neotectonic, geological and seismic properties for the territory of Serbia, in accordance with the requirements of Eurocode 8: Design of structures for earthquake resistance (EN 1998-1).

For the purposes of seismic hazard calculation, the territory of Serbia is divided into zones, with the adopted assumption that seismic hazard within the zone is constant, and is shown by maximum ground acceleration for the entire zone (one color on the map).The values of maximum ground acceleration, which are shown on hazard maps, refer to the soil of type A (rock or rock-like geological formation, including at most 5 m of weaker material on the surface (Vs,30 > 800 m/s)).

The values of macroseismic intensity on the Seismic hazard maps for the return periods of 95, 475 and 975 years were calculated by multiplying the calculated PGA values and soil factor for the corresponding calculation point. For soil factors, the recommended values by Eurocode 8 have been adopted. Soil types are categorized according to the terrain slope, calculated on the basis of a DTM (resolution 30 m).

Resource Type: Dataset

Language: English

Resource Locator: http://www.seismo.gov.rs/; https://a3.geosrbija.rs/share/747d35b3be05

INSPIRE Themes: GE: Geology

GRAPHIC OVERVIEW

■ Open Graphic Overview in New Tab

URL: GraphicOverviews/srb/770252d2-0b7a-4bf0-9c69-a59ea56b0763.jpg

CLASSIFICATION AND KEYWORDS

Categorization and keyword information

Topic Categories: geoscientificInformation

Keywords: National

GEOGRAPHIC INFORMATION

Geographic extent and bounding box

Bounding Box: Not specified

Coordinate Reference System: http://www.opengis.net/def/crs/EPSG/0/3046

TEMPORAL INFORMATION

Temporal coverage and dates

Temporal Extent: 2018

Publication Date: Not specified

Creation Date: 1970-01-01

Last Revision Date: 2022-05-13

QUALITY AND CONFORMANCE

Data quality and standards conformance

Lineage / Provenance: The data used for seismic hazard calculation for Serbia include all information on the occurred earthquakes at the territory of Serbia and near surrounding.

Spatial Resolution: Not specified

Specification: ISO 19139

Degree of Conformance: Conformant

ACCESS AND DISTRIBUTION

Access constraints and distribution information

Access Constraints: copyright

Limitations on Public Access: Not specified

Available Formats: GML

Publication URL: http://www.seismo.gov.rs/; https://a3.geosrbija.rs/share/747d35b3be05

Service Endpoint: http://www.seismo.gov.rs/; https://a3.geosrbija.rs/share/747d35b3be05

CONTACT INFORMATION

Responsible parties and contact details

Responsible Party - Name: Seismological Survey of Serbia

Responsible Party - Role: Publisher

Responsible Party - Contact Name: Not specified

Responsible Party - Email: seismo.serbia@seismo.gov.rs

Responsible Party - Website: https://seismo.gov.rs

Contact Email: seismo.serbia@seismo.gov.rs

Metadata Contact - Name: Seismological Survey of Serbia

Metadata Contact - Role: Metadata Contact

Metadata Contact - Contact Name: Metadata Contact

Metadata Contact - Email: seismo.serbia@seismo.gov.rs

Metadata Contact - Website: Not specified

METADATA DETAILS

Information about this metadata record

Metadata Language: English

Metadata Date: 2025-10-30

Unique Identifier: RS.RSZ.SH