

Map of Natural (Landscape) and Permafrost Zones and the Net of Soil Temperature Meteorological Stations in Russia and the Middle Asian Mountains, Version 1

USER GUIDE

How to Cite These Data

As a condition of using these data, you must include a citation:

Melnikov, E. and D.A. Gilichinsky 1999. *Map of Natural (Landscape) and Permafrost Zones and the Net of Soil Temperature Meteorological Stations in Russia and Middle Asian Mountains, Version 1*. [Indicate subset used]. Moscow, Russia. Russian Academy of Sciences Earth Cryosphere Institute and Institute for Phytoc. <https://doi.org/10.7265/4sc0-n729>. [Date Accessed].

FOR QUESTIONS ABOUT THESE DATA, CONTACT NSIDC@NSIDC.ORG

FOR CURRENT INFORMATION, VISIT <https://nsidc.org/data/GGD618>



National Snow and Ice Data Center

TABLE OF CONTENTS

1	DATA DESCRIPTION	2
1.1	Parameters	2
1.2	File Information.....	2
1.2.1	Format.....	2
1.2.2	Naming Convention	2
1.3	Spatial Information.....	2
1.3.1	Coverage	2
1.3.2	Geolocation.....	3
2	SOFTWARE AND TOOLS	3
3	DOCUMENT INFORMATION.....	3
3.1	Publication Date	3
3.2	Date Last Updated.....	3

1 DATA DESCRIPTION

This data set is a vector coverage of the Map of Natural Landscape and Permafrost Zones and the Net of Soil Temperature Meteorological Stations in Russia and Middle Asian Mountains (scale 1:4000000), published by the Russian Academy of Sciences Earth Cryosphere Institute and Institute for Phytochemical and Biological Problems in Earth Science. The original map was compiled by E. Melnikov and D.A. Gilichinsky. The digital map was created in Geograph, which is a Geographic Information System developed by the GIS Research Center, Institute of Geography, Russian Academy of Sciences. Data are available through FTP.

1.1 Parameters

The map shows six parameters:

- Zonal, subzonal and altitude-zoned types and sub-types of landscapes
- Extent of permafrost (Percent of Area)
- Seasonal Frozen Ground
- Ice Caps and Glaciers
- Boundaries
- Locations of meteorological stations and station numbers.
- These parameters are described in the map legend.

1.2 File Information

1.2.1 Format

The map is presented in Geograph map archive (MPK) format. Geograph is a Geographic Information System developed by the GIS Research Center, Institute of Geography, Russian Academy of Sciences. The largest file is 1.45 MB.

1.2.2 Naming Convention

The map file is named `ggd618_permafrost_russia.mpk`.

1.3 Spatial Information

1.3.1 Coverage

The map covers Russia and the middle Asian Mountains (32 to 90 deg N, 10 to 163 deg E).

1.3.2 Geolocation

The map projection is a Lambert-Azimuthal Equal Area projection, centered on the North Pole.

2 SOFTWARE AND TOOLS

The digital map was created in Geograph. Geograph is a Geographic Information System developed by the GIS Research Center, Institute of Geography, Russian Academy of Sciences. A free version of Geograph with restricted functionality (Geograph Mini) is available and can be downloaded from <ftp://geocnt.geonet.ru/pub/ggwmini>. This is a windows package. Three .arj files must be downloaded from the ftp site. The files need to be unpacked using WinZip. Then run setup.exe from the Disk1 folder.

3 DOCUMENT INFORMATION

3.1 Publication Date

02 June 2002

3.2 Date Last Updated

04 February 2021