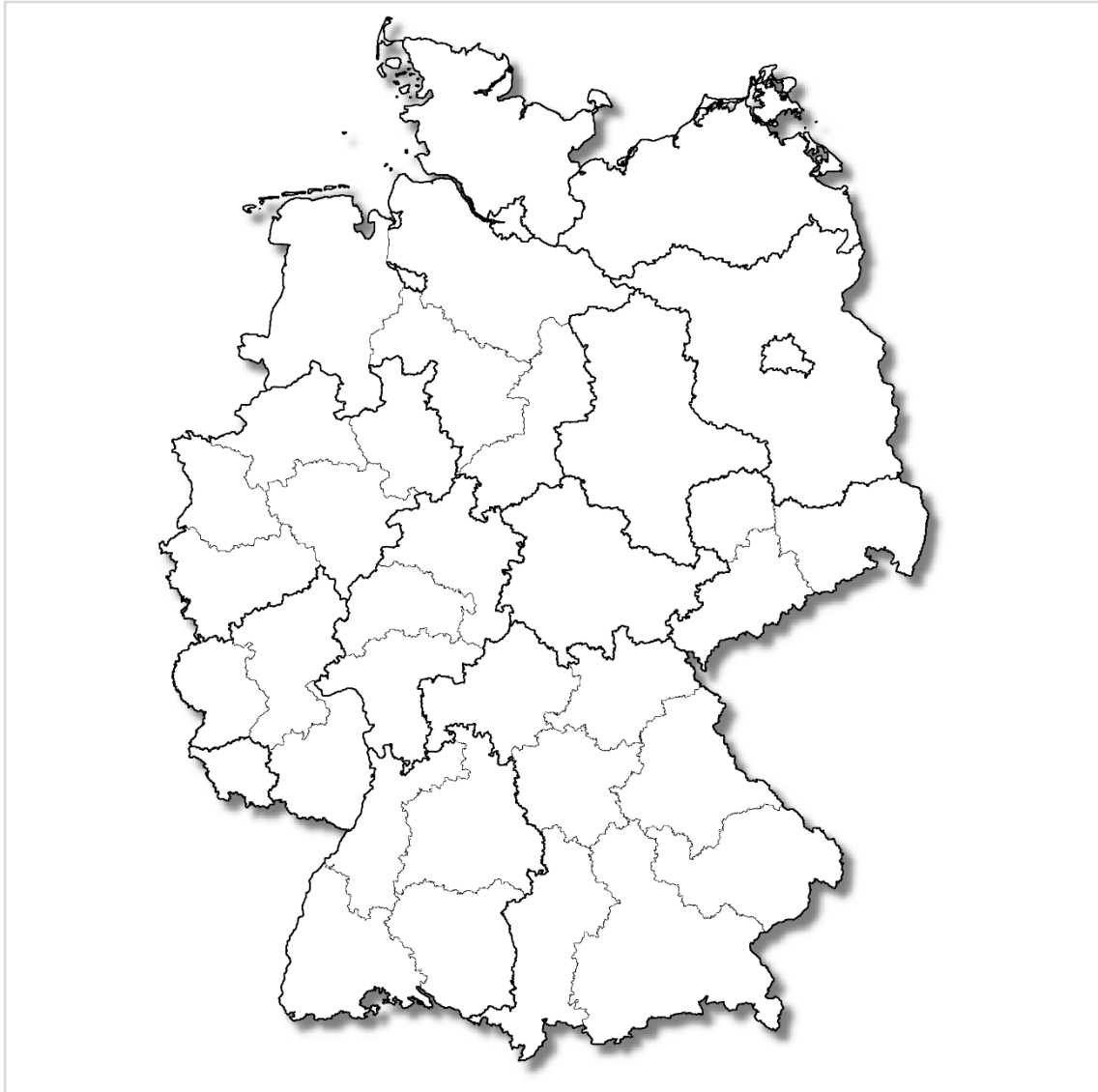|	Bundesamt für Kartographie und Geodäsie	**GeoBasis-DE**
		Geodaten der deutschen Landesvermessung
		Bundesamt für Kartographie und Geodäsie

Documentation

NUTS regions 1 : 1 000 000

NUTS1000

valid from the product as of 31.12.2020

Content

1 Overview of the dataset

Product:	NUTS1000
Content:	For the territory of the Federal Republic of Germany, the dataset comprises the regions of the systematics of the territorial units NUTS[1] for the purpose of European statistics according to the Regulation (EC) No 1059 / 2003 of the European Parliament and of the Council of 26 May 2003, as amended most recently by Commission Regulation (EU) 2016 / 2066 of 21 November 2016 (NUTS 2016) and by Commission Regulation (EU) 2019 / 1755 of 8 August 2019 (NUTS 2021); this Regulation shall be applied to the transmission of data to Eurostat as of 1 January 2018 or 1 January 2021.
	The criteria for the NUTS regions that might not coincide with national administrative units, are published on the website of Eurostat[2].
	The NUTS regions have a hierarchical structure and three levels and - with only a few exceptions - mirror the administrative units for Germany.
	▪ NUTS 1 in Germany: Länder (Federal states) ▪ NUTS 2 in Germany: largely Regierungsbezirke (administrative districts) ▪ NUTS 3 in Germany: kreisfreie Städte and Landkreise (independent towns and districts)
	Besides the current Regierungsbezirke, also the former Regierungsbezirke of the Länder Lower Saxony, Rhineland-Palatinate and Saxony are given on the NUTS-2 level for Germany. In national language, this NUTS-2 classification is also called „Statistical Regions".
	The areas are of the „MultiPolygon" type (also „Multipart").
	Each area can comprise several single areas, such as regular area with exclaves or inset areas, each of these MultiPolygones corresponding to a dataset in the attribute table.
Area:	Bundesrepublik Deutschland (Federal Republic of Germany)
Spatial structure:	Complete data set without spatial breakdown

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[1] Nomenclature des unités territoriales statistiques
[2] http://ec.europa.eu/eurostat/de/web/nuts/principles-and-characteristics
http://ec.europa.eu/eurostat/web/nuts/overview

NUTS regions 1 : 1 000 000
NUTS1000

Spatial reference:	▪ Geographic coordinates in decimal degrees, Ellipsoid GRS80, Datum ETRS89 ▪ Gauß-Krüger projection in the 3rd, 4th or 5th meridional strip Bessel Ellipsoid, Potsdam Datum, (central point Rauenberg) ▪ UTM projection in zone 32 or 33 Ellipsoid GRS80, Datum ETRS89
Position accuracy:	The geometry is derived from the respective dataset Administrative Areas 1 : 1 000 000 (VG1000). So, what concerns accuracy and resolution, the geometry is oriented towards the DLM1000 analogous to the VG1000.
Currentness:	1-year revision cycle with the status 31.12. of each year
Data formats:	SHAPE
Data supply*:	▪ Dataset via Download or Disk ▪ Web Map Service (WMS) ▪ Web Feature Service (WFS)
Modification against last Dataset:	none
Historical data:	available from 2016
Data volume:	6 MB
Data source:	Derivation from the respective dataset Administrative Areas 1 : 1 000 000 (VG1000). Information from the statistical office of the European Union (EUROSTAT).
Note	The NUTS1000 data are generated from the corresponding dataset (status of data) of the VG1000 (Administrative Areas 1 : 1 000 000) and therefore match topologically the used VG1000. The information in the documentation of the Administrative Areas 1 : 1 000 000 (VG1000) applies correspondingly.

* Please note that not all forms of delivery can be provided with each georeferencing and data format.
  If you have any questions, feel free contact the Service Centre (DLZ).

2   General information

The NUTS code (Nomenclature des unités territoriales statistiques) represents the „European classification of territorial units for statistics" of the Statistical Office of the European Union (EUROSTAT) according to the Regulation (EC) No 1059 / 2003 of the European Parliament and of the Council of 26 May 2003 in its latest version.

The NUTS regions have a hierarchical structure and three levels and - with only a few exceptions - mirror the administrative units for Germany. Deviations exist at the NUTS-2 level. In the current version of this regulation for Germany, there are additionally given besides the current Regierungsbezirke also the former Regierungsbezirke of the Länder Lower Saxony, Rhineland-Palatinate and Saxony.

The also hierarchically structured NUTS code is in total a 5-digit code, where the first two digits always designate the state (for Germany „DE") and the first three digits in total code the NUTS 1 level, the first four digits in total code the NUTS 2 level and finally the 5-digit NUTS code codes the NUTS 3 level. Digits containing no data are designated with 0 (zero).

It has to be taken into account that possible national territorial reforms will only be included into the NUTS classification with the next revision of the regulation. This means especially that the congruence between the NUTS 3 classification and the administrative level of the kreisfreie towns (towns constituting a district in its own right) and districts in Germany are considered reliable only with the start of validity of a new version of the NUTS regulation (see also **point 2.2**).

Considering the above-mentioned exceptions, the following structure results:

$1^{st} - 2^{nd}$ digit	=	NUTS 0	identifier of the state (country) – for Germany: DE
3rd digit	=	NUTS 1	in Germany: identifier of the Länder (federal states)
4th digit	=	NUTS 2	in Germany: identifier of the Länder (federal states)
5th digit	=	NUTS 3	in Germany: identifier of the Kreise (districts)

2.1   Geometrical bases

The NUTS1000 data are generated from the corresponding dataset (status of data) of the VG1000 (Administrative Areas 1 : 1 000 000) and therefore match topologically the used VG1000.

2.2   Special notes

The NUTS structures are defined for a period of at least three years in accordance with the legal base[3]. Therefore, not all modifications of the German administrative structure can be considered in the NUTS structure in a timely fashion. Until now an intermediate modification has been renounced due to a considerable reorganization in accordance with Article 5 (4) of the Regulation.

The version NUTS 2021 currently applies since January 01, 2021. For Germany, this corresponds to the version NUTS 2016 that has been in effect since January 01, 2018.

2.3   Incommunalised water areas

NUTS regions the territory of which also covers the North or Baltic Sea or Lake Constance, are separated at the coastline. A distinction between both parts of the concerned NUTS regions is possible by applying the attribute GF (Geofactor). The subarea on the mentioned waters has the GF value 2. By contrast, the land subareas have the GF value 4.

For the exclusive representation without the territories on the North or Baltic Sea or Lake Constance, the filter GF = 4 has to be applied, thus preserving the coastal form.

The general rule is:
Each NUTS region has exactly one attribute set with the GF value 4.
Additionally, a NUTS region may have one attribute set with the GF value 2.

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[3] Regulation (EC) No 1059 / 2003 of the European Parliament and of the Council of 26 May 2003, as amended most recently by Commission Regulation (EU) 2016 / 2066 of 21 November 2016 (NUTS 2016) and by Commission Regulation (EU) 2019 / 1755 of 8 August 2019 (NUTS 2021).

3   Description of the dataset

3.1   Specification

The dataset is divided into the 3 NUTS levels for Germany:

> NUTS 1
> NUTS 2
> NUTS 3

Each of these levels forms an object class containing the area geometry of the NUTS regions. All levels constitute in each case a nationwide dataset. The areas contained directly carry the attributive information.

3.2   Attributes

GF   Geofactor

Survey of values

2 = with structure waters
(additional entry for territorial parts in the North or Baltic Sea as well as in Lake Constance)
4 = with structure land
(each region always has exactly one entry)

This attribute was directly taken from the underlying dataset Administrative areas 1 : 250 000 (VG250). It designates with the value 2 the territorial parts that extend beyond the land area into the North or Baltic Sea or Lake Constance (incommunalised or incorporated territorial parts). The territorial parts outside the three mentioned waters have the value 4.

The general rule is:
Each administrative unit has exactly one attribute set with the GF value 4. Additionally, an administrative unit may have one attribute set with the GF value 2.

Note:
For the exclusive representation without the territories on the North or Baltic Sea or Lake Constance, the filter GF = 4 has to be applied, thus preserving the coastal form.

NUTS_LEVEL   Level of the NUTS region

                         Survey of values

                         1 = level NUTS 1
                         2 = level NUTS 2
                         3 = level NUTS 3

NUTS_CODE   Hierarchical key of the NUTS region

                         3-digit   NUTS 1
                         4-digit   NUTS 2
                         5-digit   NUTS 3

NUTS_NAME   Name of the NUTS region

4   Description of the data formats

4.1   SHAPE format

The SHAPE data format constitutes as a de facto industry standard a very widespread and suitable data exchange format for the exchange of geodata.

Each dataset consists of the following files in UTF-8 character coding (Unicode).

Level	File	Description
Level NUTS 1	`1000_NUTS1.SHP`	Geometry
	`1000_NUTS1.SHX`	Geometry index
	`1000_NUTS1.PRJ`	Projection
	`1000_NUTS1.DBF`	Attributess
	`1000_NUTS1.CPG`	Character set
Level NUTS 2	`1000_NUTS2.SHP`	Geometry
	`1000_NUTS2.SHX`	Geometry index
	`1000_NUTS2.PRJ`	Projection
	`1000_NUTS2.DBF`	Attribute
	`1000_NUTS2.CPG`	Character set
Level NUTS 3	`1000_NUTS3.SHP`	Geometry
	`1000_NUTS3.SHX`	Geometry index
	`1000_NUTS3.PRJ`	Projection
	`1000_NUTS3.DBF`	Attributes
	`1000_NUTS3.CPG`	Character set

5   Data acquisition

The database can be obtained free of charge on our website www.bkg.bund.de under the heading „Products and Services" → „Open Data". Historical data is also available in our archive.

6   Terms of use and copyright

The geodata offered here are available via geodata services for download and for online use free of charge according to the Open Data Datenlizenz Deutschland – Namensnennung – Version 2.0.

Especially, each user has to place the source reference to all geodata, metadata and geodata services recognisably and optically linked. Alterations, processings, new designs or other adaptations have to be affixed with an indication of the alteration in the source reference.

Source reference and indication of alteration have to be formulated as follows. The source reference has to be linked with the URL "http://www.bkg.bund.de" for the representation at a website.

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© GeoBasis-DE / BKG (year of last data download) (data changed)

7   Contact

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