

## ECP 2005 GEO 038026 EGN

### EGN

# Database of exonyms and other variant names (prototype)<sup>1</sup>

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<sup>1</sup> The title of the database has been amended to “database of exonyms and other variant names”. In the following document the former title “variant names / exonyms database” is used consistently

<sup>2</sup> OJ L 79, 24.3.2005, p. 1.

# Documentation<sup>1</sup> of Variant Names/Exonyms Database - Prototype

## **Summary**

The Variant Names / Exonyms Database (VNE-DB) will provide important variant names or exonyms assigned to geographical features which are not maintained by National Mapping and Cadastral Agencies. It is a supplement database to the EuroGeoNames Central Service. The structure of the VNE-DB is documented. Tables and their attributes are described in detail. The core of the database is the table of the variant names (*TAB\_VariantNames*) containing all relevant attributes to the variant name. For every table a detailed description of its attributes, data types, sizes, indices is given.

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<sup>1</sup> corresponds to deliverable D 5.3 “Exonyms database prototype” of the Description of Work [DoW]

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## 1 Introduction

### 1.1 Purpose of the document

This document is designed to provide an overview about the content and the structure of the EGN Variant Names / Exonyms Database (VNE-DB). It shows the data model for collecting and maintaining variant names and exonyms and is open for discussion. The design and content is based on the objectives of work package 5 of the EGN project in the “Description of Work” [DoW] and the requirements presented in deliverables “Exonyms guidelines synopsis” [D 5.1] and “Methodology for the validation of existing exonyms” [D 5.2]

### 1.2 Description of the content

This document describes the data model of the database and shows its structure. It provides an exhaustive list of the tables, their relationships, attributes, data types, sizes, and indices. A description at the end of each attribute provides information about the function of the attributes.

### 1.3 Description of the database

The VNE-DB will comprise important names of geographical features in the official languages of the participating countries not maintained by the NMCAs. For detailed information refer to the “Exonyms Guidelines Synopsis” [D 5.1].

VNE-DB supplies three different categories of information for each entry if the source of the variant name or exonym is providing the appropriate specifications.

- *TAB\_VariantNames* - information about the variant name or exonym (language, gender, number, pronunciation,...)
- *TAB\_Metadata* - information about the sources providing the data (contact, editor, year, language,...)
- *TAB\_Gazetteer\_Entry* - temporary information for assigning the datasets of variant names or exonyms to the appropriate entry in the respective national names database. These fields will be replaced after linking the datasets with the appropriate EGN feature unique identifier as provided later by the NMCAs. (endonym, co-ordinates, feature class,...)

These three tables form the core of the VNE-DB.

The VNE-DB is designed as a “Microsoft SQL Server Express” database. The structure of this database is compatible to most other relational database management system (RDBMS). Datasets are recorded via an open database connectivity (ODBC) and “Microsoft Access” forms. In future a web interface based on Microsoft Active Server Pages .NET (ASP.NET) will replace the current method for editing the datasets.

### 1.4 Change summary

Name	Date	Version
Jörgen Spradau	13/06/2007	0
Roman Stani-Fertl	14/06/2007	0.1
Jörgen Spradau	19/06/2007	0.2
Sievers, Zaccheddu, Beinstein, Spradau	21/06/2007	0.3
Sievers, Zaccheddu, Beinstein, Spradau	21/06/2007	0.31
Roman Stani-Fertl	26/06/2007	0.32
Sievers, Zaccheddu, Beinstein, Stani-Fertl, Spradau	27/06/2007	0.4
Spradau	29/06/2007	0.41
Stani-Fertl, Beinstein, Zaccheddu, Spradau	09/07/2007	0.42
Sievers, Zaccheddu, Beinstein, Spradau	20/07/2007	0.43
Stani-Fertl, Spradau	31/07/2007	0.9
Sievers, Stani-Fertl, Beinstein, Spradau	31/07/2007	0.91
Stani-Fertl	16/8/2007	0.92
Sievers, Zaccheddu	17/8/2007	1.0
Stani-Fertl	17/08/2007	1.1
Spradau	30/08/2007	1.2

## 1.5 Related Documents

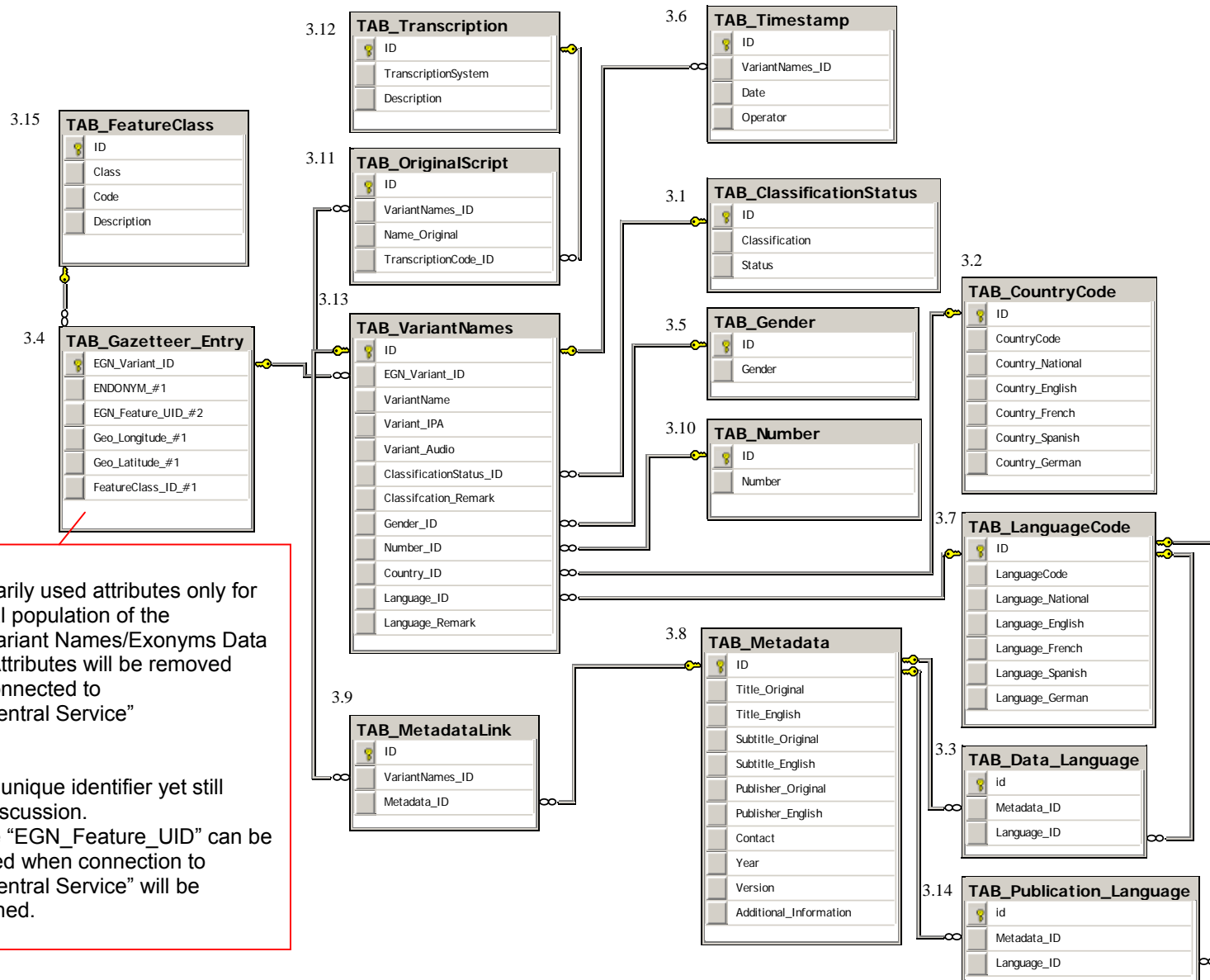
- [D 5.1] EGN Exonyms guidelines synopsis; 31 May 2007
- [D 5.2] EGN Methodology for the validation of existing exonyms; 1 June 2007
- [DoW] EGN Description of Work. BKG; 2006
- [UNGEKN WG on Country Names] UNGEKN WG on Country Names, List of Country Names, E/Conf.94/CRP.11, 31 May 2002
- [Foreign Office, Country Names] Länderverzeichnis für den amtlichen Gebrauch in Deutschland, Auswärtiges Amt, Berlin, 2006
- [ISO 3166-1] ISO 3166-1:2006-11, Codes for the representation of names of countries and their subdivisions – Part 1: Country codes
- [ISO 3166-2] ISO 3166-2:1998-12, Codes for the representation of names of countries and their subdivisions – Part 2: Country subdivision codes
- [ISO 639-1] ISO 639-1:2002, Codes for the representation of names of languages – Part 1: Alpha-2 code
- [ISO 639-2] ISO 639-2:1998-11, Codes for the representation of names of languages – Part 2: Alpha-3 code

## 1.6 Acronyms and Abbreviations

n.a.	not available
NMCA	National Mapping and Cadastre Agency
StAGN	Ständiger Ausschuss für geographische Namen; (Permanent Committee on Geographical Names)
UNGEKN	United Nations Group of Experts on Geographical Names
VNE-DB	Database of Variant Names / Exonyms

## 2 Database model

### 2.1 EGN Variant Names/Exonyms Database diagram



**#1:**  
Temporarily used attributes only for the initial population of the “EGN Variant Names/Exonyms Data base”. Attributes will be removed when connected to “EGN Central Service”

**#2:**  
Feature unique identifier yet still under discussion. Attribute “EGN\_Feature\_UID” can be populated when connection to “EGN Central Service” will be established.

## 2.2 Relationships

TAB_Gazetteer_Entry.EGN_Variant_ID	1	←----→	1..*	TAB_VariantNames.EGN_Variant_ID
TAB_Gazetteer_Entry.FeatureClass_ID #1	0..*	←----→	1	TAB_FeatureClass.ID
TAB_VariantNames.ID	1	←----→	0..*	TAB_OriginalScript.VariantNames_ID
TAB_VariantNames.ID	1	←----→	1..*	TAB_Timestamp.VariantNames_ID
TAB_VariantNames.ClassificationStatus_ID	0..*	←----→	1	TAB_ClassificationStatus.ID
TAB_VariantNames.Gender_ID	0..*	←----→	1	TAB_Gender.ID
TAB_VariantNames.Number_ID	0..*	←----→	1	TAB_Number.ID
TAB_VariantNames.Country_ID	0..*	←----→	1	TAB_CountryCode.ID
TAB_VariantNames.Language_ID	0..*	←----→	1	TAB_Language.ID
TAB_VariantNames.ID	1	←----→	1..*	TAB_MetadataLink.VariantNames_ID
TAB_Metadata.ID	1	←----→	0..*	TAB_MetadataLink.Metadata_ID
TAB_Metadata.ID	1	←----→	0..*	TAB_Data_Language.Metadata_ID
TAB_Metadata.ID	1	←----→	0..*	TAB_Publication_Language.Metadata_ID
TAB_OriginalScript.TranscriptionCode_ID	0..*	←----→	1	TAB_Transcription.ID
TAB_Data_Language.Language_ID	0..*	←----→	1	TAB_Language.ID
TAB_Publication_Language.Language_ID	0..*	←----→	1	TAB_Language.ID

### 3 Description of tables

#### 3.1 TAB\_ClassificationStatus

Table showing the assignment of variant names to a certain class of toponyms (*endonym variant, standardized exonym, non-standardized exonym*) and to a certain status of the names regarding the source they are derived from (*approved, recommended, scientific, educational, other*) [D 5.2].

##### Attributes

Name	Type	Size
ID	Long Integer	
AllowZeroLength: False Attributes: Auto-Inkrement DataUpdatable: False Required: True SourceField: ID SourceTable: TAB_ClassificationStatus Description: Identifier of this table		
Classification	Character	25
AllowZeroLength: True Attributes: Variable Length DataUpdatable: True DisplayControl: Textfield Required: False SourceField: Classification SourceTable: TAB_ClassificationStatus UnicodeCompression: True Description: Enumerated list indicating the class of the variant name. Three different classes are distinguished.		
Status	Character	15
AllowZeroLength: True Attributes: Variable Length DataUpdatable: True DisplayControl: Textfield Required: False SourceField: Status SourceTable: TAB_ClassificationStatus UnicodeCompression: True Description: Enumerated list indicating the data source type the name is derived from. Five different types are distinguished.		

##### Table indices

IgnoreNulls:	False
Name:	ID
Required:	True
Unique:	True
Primary Key:	True

**Table contents**

<b>ID</b>	<b>Classification</b>	<b>Status</b>
1	standardized exonym	approved
2	standardized exonym	recommended
3	not standardized exonym	scientific
4	not standardized exonym	educational
5	not standardized exonym	other
6	endonym variant	approved
7	endonym variant	scientific
8	endonym variant	other
9	endonym variant	educational

### 3.2 TAB\_CountryCode

Table holding the country code according to ISO 3166-1 alpha-2 code of the country in which the named feature is located. The country name is displayed in its short form and is provided in its national language(s) as well as English, French, Spanish and German.

#### Attributes

Name	Type	Size
<b>ID</b> AllowZeroLength: False Attributes: Auto-Inkrement DataUpdatable: False Required: True SourceField: ID SourceTable: TAB_CountryCode Description: Identifier of this table	Long Integer	
<b>CountryCode</b> AllowZeroLength: False Attributes: Fixed Length DataUpdatable: True DisplayControl: Textfield Required: True SourceField: CountryCode SourceTable: TAB_CountryCode UnicodeCompression: True Description: Country code according to [ISO 3166-1]	Character	2
<b>Country_National</b> AllowZeroLength: False Attributes: Variable Length DataUpdatable: True DisplayControl: Textfield Required: True SourceField: Country_National SourceTable: TAB_CountryCode UnicodeCompression: True Description: Short form of the name of the respective country in the national language [UNGE GN WG on Country Names].	Character	50
<b>Country_English</b> AllowZeroLength: False Attributes: Variable Length DataUpdatable: True DisplayControl: Textfield Required: True SourceField: Country_English SourceTable: TAB_CountryCode UnicodeCompression: True Description: Short form of the name of the respective country in English [UNGE GN WG on Country Names].	Character	50
<b>Country_French</b> AllowZeroLength: False Attributes: Variable Length DataUpdatable: True DisplayControl: Textfield Required: True SourceField: Country_French SourceTable: TAB_CountryCode UnicodeCompression: True Description: Short form of the name of the respective country in French [UNGE GN WG on Country Names].	Character	50
<b>Country_Spanish</b> AllowZeroLength: False Attributes: Variable Length DataUpdatable: True DisplayControl: Textfield Required: True	Character	50

SourceField:	Country_Spanish
SourceTable:	TAB_CountryCode
UnicodeCompression:	True
Description:	Short form of the name of the respective country in Spanish [UNGEEN WG on Country Names].

**Country\_German**

Character

50

AllowZeroLength:	False
Attributes:	Variable Length
DataUpdatable:	True
DisplayControl:	Textfield
Required:	True
SourceField:	Country_German
SourceTable:	TAB_CountryCode
UnicodeCompression:	True
Description:	Short form of the name of the respective country in German [Foreign Office, Country Names].

**Table indices**

IgnoreNulls:	False
Name:	ID
Required:	True
Unique:	True
Primary Key:	True
Name:	Country_National
Primary Key:	False

### 3.3 TAB\_Data\_Language

Table indicating the language(s) in which the variant names are maintained in the publication. For explanation see "Case diagram".

#### Attributes

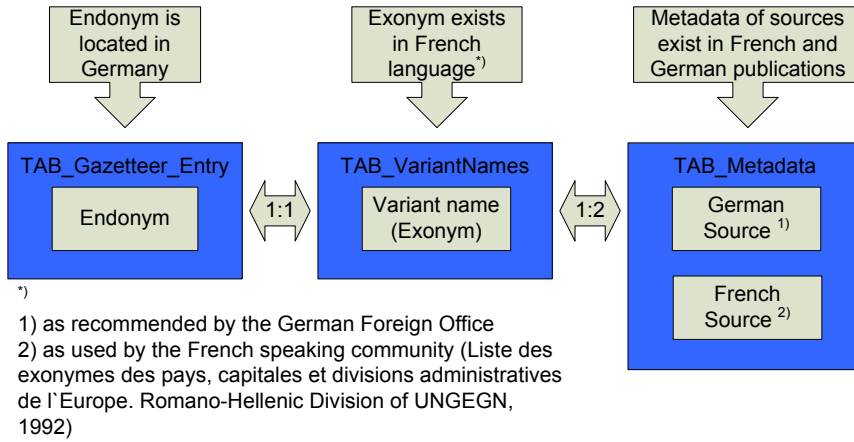
Name	Type	Size
<b>ID</b> AllowZeroLength: False Attributes: Auto-Inkrement DataUpdatable: False Required: True SourceField: ID SourceTable: TAB_Data_Language Description: Identifier of this table	Long Integer	
<b>Metadata_ID</b> AllowZeroLength: False Attributes: Fixed Length DataUpdatable: True DisplayControl: Textfield Required: True SourceField: ID SourceTable: TAB_Metadata UnicodeCompression: True Description: Foreign key to TAB_Metadata. Identifies the metadata entry.	Character	10
<b>Language_ID</b> AllowZeroLength: False Attributes: DataUpdatable: True Required: True SourceField: ID SourceTable: TAB_LanguageCode Description: Foreign key to TAB_LanguageCode. Identifies the language(s) of the publication of the metadata entry.	Long Integer	

#### Table indices

IgnoreNulls:	False
Name:	ID
Required:	True
Unique:	True
Primary Key:	True

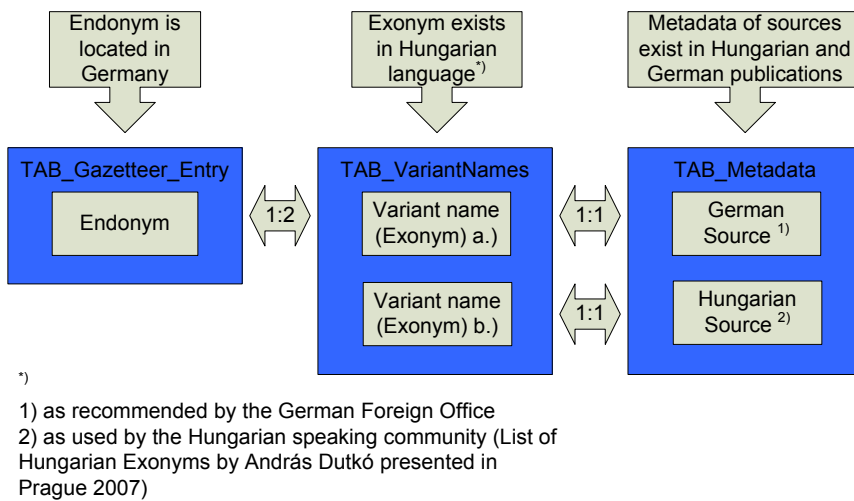
**Case diagram**

**Example: State of the FRG „Hessen“ (German endonym) – „Hesse“ (French exonym)**



**Example: State of the FRG „Sachsen-Anhalt“ (German endonym) –**

- a.) „Szászország-Anhalt“ (Hungarian exonym recommended by the German Foreign Office)
- b.) „Szász-Anhalt“ (List of Hungarian Exonyms by András Dutkó presented in Prague 2007)



### 3.4 TAB\_Gazetteer\_Entry

Table containing data necessary for identifying and assigning a variant name to the corresponding entry (nationally provided endonym) in the respective names database of a NMCA.

- \_#1: Temporarily used attributes only for the initial population of the “EGN Variant Names Database”. Attributes will be removed when connected to “EGN Central Service”
- \_#2: Feature unique identifier yet still under discussion. Attribute “EGN\_Feature\_UID” can be populated when connection to “EGN Central Service” will be established.

#### Attributes

Name	Type	Size
EGN_Variant_ID	Unique Identifier	16
AllowZeroLength:	False	
Attributes:	Fixed Length	
DataUpdatable:	False	
DisplayControl:	Textfield	
Required:	True	
SourceField:	EGN_Variant_ID	
SourceTable:	TAB_Gazetteer_Entry	
Description:	Unique identifier of this table, based on Microsoft Unique Identifier	
ENDONYM_#1	Character	100
AllowZeroLength:	True	
Attributes:	Variable Length	
DataUpdatable:	True	
DisplayControl:	Textfield	
Required:	False	
SourceField:	ENDONYM_#1	
SourceTable:	TAB_Gazetteer_Entry	
UnicodeCompression:	True	
Description:	Standardized name form maintained by a NMCA.	
EGN_Feature_UID_#2	Character	20
AllowZeroLength:	False	
Attributes:	Fixed Length	
DataUpdatable:	True	
DisplayControl:	Textfield	
Required:	True	
SourceField:	EGN_Feature_UID	
SourceTable:	TAB_Gazetteer_Entry	
UnicodeCompression:	True	
Description:	Unique identifier of a Feature of the EGN Central Service	
Geo_Longitude_#1	Character	15
AllowZeroLength:	True	
Attributes:	Variable Length	
DataUpdatable:	True	
DisplayControl:	Textfield	
Required:	False	
SourceField:	Geo_Longitude_#1	
SourceTable:	TAB_Gazetteer_Entry	
UnicodeCompression:	True	
Description:	Geographical longitude of the feature in decimal degrees.	
Geo_Latitude_#1	Character	15
AllowZeroLength:	True	
Attributes:	Variable Length	
DataUpdatable:	True	
DisplayControl:	Textfield	
Required:	False	
SourceField:	Geo_Latitude_#1	
SourceTable:	TAB_Gazetteer_Entry	
UnicodeCompression:	True	
Description:	Geographical latitude of the feature in decimal degrees.	
FeatureClass_ID	Long Integer	
AllowZeroLength:	False	

Attributes:	
DataUpdatable:	True
Required:	True
SourceField:	ID
SourceTable:	TAB_FeatureClass
Description:	Foreign key to TAB_FeatureClass

### **Table indices**

IgnoreNulls:	False
Name:	EGN_Variant_ID
Required:	True
Unique:	True
Primary Key:	True
Name:	EGN_Feature_UID_#2
Primary Key:	False
Name:	ENDONYM_#1
Primary Key:	False

### 3.5 TAB\_Gender

Table indicating the grammatical gender of the variant name.

#### Attributes

Name	Type	Size
ID AllowZeroLength: False Attributes: Auto-Inkrement DataUpdatable: False Required: True SourceField: ID SourceTable: TAB_Gender Description: Identifier of this table	Long Integer	
Gender AllowZeroLength: False Attributes: Variable Length DataUpdatable: False DisplayControl: Textfield Required: True SourceField: Gender SourceTable: TAB_Gender UnicodeCompression: True Description: Enumerated list of possible values of the grammatical gender	Character	10

#### Table indices

IgnoreNulls:	False
Name:	ID
Required:	True
Unique:	True
Primary Key:	True

#### Table contents

ID	Gender
1	masculine
2	feminine
3	neuter
4	none
5	n. a.

### 3.6 TAB\_Timestamp

Table containing information about entries and updates of the datasets of the EGN Variant Names Database.

#### Attributes

Name	Type	Size
<b>ID</b>	<b>Long Integer</b>	
AllowZeroLength:	False	
Attributes:	Auto-Inkrement	
DataUpdatable:	False	
Required:	True	
SourceField:	ID	
SourceTable:	TAB_Timestamp	
Description:	Identifier of this table	
<b>VariantNames_ID</b>	<b>Long Integer</b>	
AllowZeroLength:	False	
Attributes:		
DataUpdatable:	True	
Required:	True	
SourceField:	ID	
SourceTable:	TAB_VariantNames	
Description:	Foreign key to TAB_VariantNames.	
<b>Date</b>	<b>Date/Time</b>	<b>10</b>
AllowZeroLength:	False	
Attributes:	Fixed Length ("DD.MM.YYYY")	
DataUpdatable:	True	
Required:	True	
SourceField:	Date	
SourceTable:	TAB_Timestamp	
Description:	Date of the entry or update of a dataset	
<b>Operator</b>	<b>Character</b>	<b>50</b>
AllowZeroLength:	False	
Attributes:	Variable Length	
DataUpdatable:	True	
DisplayControl:	Textfield	
Required:	True	
SourceField:	Operator	
SourceTable:	TAB_Timestamp	
UnicodeCompression:	True	
Description:	Toponymic authority which has conducted the amendments	

#### Table indices

IgnoreNulls:	False
Name:	ID
Required:	True
Unique:	True
Primary Key:	True
Name:	VariantNames_ID
Primary Key:	False

### 3.7 TAB\_LanguageCode

Table holding the codes for the representation of names of languages according to ISO 639-2 Alpha-3 code. The names of the languages are provided in the national language, English, French, Spanish and German

#### Attributes

Name	Type	Size
<b>ID</b> AllowZeroLength: False Attributes: Auto-Inkrement DataUpdatable: False Required: True SourceField: ID SourceTable: TAB_LanguageCode Description: Identifier of this table.	Long Integer	
<b>LanguageCode</b> AllowZeroLength: False Attributes: Fixed Length DataUpdatable: False DisplayControl: Textfield Required: True SourceField: LanguageCode SourceTable: TAB_LanguageCode UnicodeCompression: True Description: Language code according to [ISO 639-2].	Character	3
<b>Language_National</b> AllowZeroLength: False Attributes: Variable Length DataUpdatable: False DisplayControl: Textfield Required: True SourceField: Language_National SourceTable: TAB_LanguageCode UnicodeCompression: True Description: Representation of the name of the national language in its own language (to be determined by the respective language group) [ISO 639-1] and other sources.	Character	50
<b>Language_English</b> AllowZeroLength: False Attributes: Variable Length DataUpdatable: False DisplayControl: Textfield Required: True SourceField: Language_English SourceTable: TAB_LanguageCode UnicodeCompression: True Description: Representation of the name of the language in English [ISO639-2].	Character	50
<b>Language_French</b> AllowZeroLength: False Attributes: Variable Length DataUpdatable: False DisplayControl: Textfield Required: True SourceField: Language_French SourceTable: TAB_LanguageCode UnicodeCompression: True Description: Representation of the name of the language in French [ISO639-2].	Character	50
<b>Language_Spain</b> AllowZeroLength: False Attributes: Variable Length DataUpdatable: False DisplayControl: Textfield Required: True SourceField: Language_Spain	Character	50

SourceTable:	TAB_LanguageCode
UnicodeCompression:	True
Description:	Representation of the name of the language in Spanish (to be checked by an expert of the Spanish language group).

<b>Language_German</b>	<b>Character</b>	<b>50</b>
AllowZeroLength:	False	
Attributes:	Variable Length	
DataUpdatable:	False	
DisplayControl:	Textfield	
Required:	True	
SourceField:	Language_German	
SourceTable:	TAB_LanguageCode	
UnicodeCompression:	True	
Description:	Representation of the name of the language in German (to be checked by StAGN).	

### Table indices

IgnoreNulls:	False
Name:	ID
Required:	True
Unique:	True
Primary Key:	True
Name:	Language_National
Primary Key:	False

### 3.8 TAB\_Metadata

Table consisting information on the sources (lists or files of variant names) used for filling the EGN Variant Names Database.

#### Attributes

Name	Type	Size
<b>ID</b> AllowZeroLength: False Attributes: Fixed Length DataUpdatable: False DisplayControl: Textfield Required: True SourceField: ID SourceTable: TAB_Metadata UnicodeCompression: True Description: Identifier of this table	Character	10
<b>Title_Original</b> AllowZeroLength: True Attributes: Variable Length DataUpdatable: True DisplayControl: Textfield Required: False SourceField: Title_Original SourceTable: TAB_Metadata UnicodeCompression: True Description: Title or header of the source in its original language	Character	250
<b>Title_English</b> AllowZeroLength: True Attributes: Variable Length DataUpdatable: True DisplayControl: Textfield Required: False SourceField: Title_English SourceTable: TAB_Metadata UnicodeCompression: True Description: Title or header of the source in English	Character	250
<b>Subtitle_Original</b> AllowZeroLength: True Attributes: Variable Length DataUpdatable: True DisplayControl: Textfield Required: False SourceField: Subtitle_Original SourceTable: TAB_Metadata UnicodeCompression: True Description: Subtitle or sub-header of the source in its original language	Character	250
<b>Subtitle_English</b> AllowZeroLength: True Attributes: Variable Length DataUpdatable: True DisplayControl: Textfield Required: False SourceField: Subtitle_English SourceTable: TAB_Metadata UnicodeCompression: True Description: Subtitle or sub-header of the source in English	Character	250
<b>Publisher_Original</b> AllowZeroLength: True Attributes: Variable Length DataUpdatable: True DisplayControl: Textfield Required: False SourceField: Publisher_Original SourceTable: TAB_Metadata	Character	250

UnicodeCompression:	True		
Description:	Original name of the body or institution publishing the source		
<b>Publisher_English</b>		<b>Character</b>	<b>250</b>
AllowZeroLength:	True		
Attributes:	Variable Length		
DataUpdatable:	True		
DisplayControl:	Textfield		
Required:	False		
SourceField:	Publisher_English		
SourceTable:	TAB_Metadata		
UnicodeCompression:	True		
Description:	English name of the body or institution publishing the source		
<b>Contact</b>		<b>Character</b>	<b>250</b>
AllowZeroLength:	True		
Attributes:	Variable Length		
DataUpdatable:	False		
DisplayControl:	Textfield		
Required:	False		
SourceField:	Contact		
SourceTable:	TAB_Metadata		
UnicodeCompression:	False		
Description:	Name of the contact person or data provider		
<b>Year</b>		<b>Character</b>	<b>10</b>
AllowZeroLength:	True		
Attributes:	Variable Length		
DataUpdatable:	True		
DisplayControl:	Textfield		
Required:	False		
SourceField:	Year		
SourceTable:	TAB_Metadata		
UnicodeCompression:	True		
Description:	Year when the source was published		
<b>Version</b>		<b>Character</b>	<b>100</b>
AllowZeroLength:	True		
Attributes:	Variable Length		
DataUpdatable:	True		
DisplayControl:	Textfield		
Required:	False		
SourceField:	Version		
SourceTable:	TAB_Metadata		
UnicodeCompression:	True		
Description:	Any reference to the edition of the source		
<b>Additional_Information</b>		<b>Memo</b>	<b>-</b>
AllowZeroLength:	True		
Attributes:	Variable Length		
DataUpdatable:	True		
DisplayControl:	Textfield		
Required:	False		
SourceField:	Additional_Information		
SourceTable:	TAB_Metadata		
UnicodeCompression:	True		
Description:	Additional information to the source, its content, or its publisher		

**Table indices**

IgnoreNulls:	False
Name:	ID
Required:	True
Unique:	True
Primary Key:	True

### 3.9 TAB\_MetadataLink

Table linking metadata with variant names.

#### Attributes

Name	Type	Size
ID	Long Integer	
AllowZeroLength:	False	
Attributes:	Auto-Inkrement	
DataUpdatable:	False	
Required:	True	
SourceField:	ID	
SourceTable:	TAB_MetadataLink	
Description:	Identifier of this table	
VariantNames_ID	Long Integer	
AllowZeroLength:	False	
Attributes:		
DataUpdatable:	True	
Required:	True	
SourceField:	ID	
SourceTable:	TAB_VariantNames	
Description:	Foreign key to TAB_VariantNames.	
Metadata_ID	Character	10
AllowZeroLength:	False	
Attributes:	Fixed Length	
DataUpdatable:	True	
DisplayControl:	Textfield	
Required:	True	
SourceField:	ID	
SourceTable:	TAB_Metadata	
UnicodeCompression:	True	
Description:	Foreign key to TAB_Metadata. Identifies the metadata entry.	

#### Table indices

IgnoreNulls:	False
Name:	ID
Required:	True
Unique:	True
Primary Key:	True
Name:	Metadata_ID
Primary Key:	False

### 3.10 TAB\_Number

Table listing the grammatical number of a variant name.

#### Attributes

Name	Type	Size
ID AllowZeroLength: False Attributes: Auto-Inkrement DataUpdatable: False Required: True SourceField: ID SourceTable: TAB_Number Description: Identifier of this table	Long Integer	
Number AllowZeroLength: False Attributes: Variable Length DataUpdatable: False DisplayControl: Textfield Required: True SourceField: Number SourceTable: TAB_Number UnicodeCompression: True Description: Enumerated list of values.	Character	10

#### Table indices

IgnoreNulls:	False
Name:	ID
Required:	True
Unique:	True
Primary Key:	True

#### Table contents

ID	Number
1	plural
2	singular
3	dual
4	n. a.

### 3.11 TAB\_OriginalScript

Table containing the spelling of the variant name in the original script if it is a Non-Roman script.

#### Attributes

Name	Type	Size
ID	Long Integer	
AllowZeroLength:	False	
Attributes:		
DataUpdatable:	False	
Required:	True	
SourceField:	ID	
SourceTable:	TAB_OriginalScript	
Description:	Identifier of this table.	
VariantNames_ID	Long Integer	
AllowZeroLength:	False	
Attributes:		
DataUpdatable:	True	
Required:	True	
SourceField:	ID	
SourceTable:	TAB_VariantNames	
Description:	Foreign key to TAB_VariantNames.	
Name_Original	Character	100
AllowZeroLength:	True	
Attributes:	Variable Length	
DataUpdatable:	True	
DisplayControl:	Textfield	
Required:	False	
SourceField:	Name_Original	
SourceTable:	TAB_OriginalScript	
UnicodeCompression:	True	
Description:	Variant name in its original, Non-Roman script.	
TranscriptionCode_ID	Long Integer	
AllowZeroLength:	False	
Attributes:		
DataUpdatable:	True	
Required:	True	
SourceField:	ID	
SourceTable:	TAB_Transcription	
Description:	Foreign key to TAB_Transcription	

#### Table indices

IgnoreNulls:	False
Name:	ID
Required:	True
Unique:	True
Primary Key:	True
Name:	VariantNames_ID
Primary Key:	False

### 3.12 TAB\_Transcription

Table listing transcription systems used to transform variant names of Non-Roman scripts into Roman script.

#### Attributes

Name	Type	Size
ID	Long Integer	
AllowZeroLength:	False	
Attributes:	Auto-Inkrement	
DataUpdatable:	False	
Required:	True	
SourceField:	ID	
SourceTable:	TAB_Transcription	
Description:	Identifier of this table	
TranscriptionSystem	Character	20
AllowZeroLength:	False	
Attributes:	Variable Length	
DataUpdatable:	True	
DisplayControl:	Textfield	
Required:	True	
SourceField:	TranscriptionSystem	
SourceTable:	TAB_Transcription	
UnicodeCompression:	True	
Description:	List of transcription systems used for Romanization	
Description	Memo	-
AllowZeroLength:	True	
Attributes:	Variable Length	
DataUpdatable:	True	
DisplayControl:	Textfield	
Required:	False	
SourceField:	Description	
SourceTable:	TAB_Transcription	
UnicodeCompression:	True	
Description:	Additional information to the transcription system used	

#### Table indices

IgnoreNulls:	False
Name:	ID
Required:	True
Unique:	True
Primary Key:	True

### 3.13 TAB\_VariantNames

Table containing variant names with their attributes and necessary information following the conditions of the EGN Description of Work. In this context variant names are forms of geographical names not maintained by the NMCAs. For a detailed description see [D5.2] chapter 3.

#### Attributes

Name	Type	Size
<b>ID</b> AllowZeroLength: False Attributes: Auto-Inkrement DataUpdatable: False Required: True SourceField: ID SourceTable: TAB_VariantNames Description: Identifier of this table	Long Integer	
<b>EGN_Variant_ID</b> AllowZeroLength: False Attributes: Fixed Length DataUpdatable: False DisplayControl: Textfield Required: True SourceField: EGN_Variant_ID SourceTable: TAB_Gazetteer_Entry Description: Foreign key to TAB_Gazetteer_Entry.	Unique Identifier	16
<b>VariantName</b> AllowZeroLength: False Attributes: Variable Length DataUpdatable: True DisplayControl: Textfield Required: True SourceField: VariantName SourceTable: TAB_VariantNames UnicodeCompression: True Description: Variant name of a geographical feature	Character	100
<b>Variant_IPA</b> AllowZeroLength: True Attributes: Variable Length DataUpdatable: True DisplayControl: Textfield Required: False SourceField: Variant_IPA SourceTable: TAB_VariantNames UnicodeCompression: True Description: Pronunciation of the variant name in IPA notation (International Phonetic Alphabet)	Character	100
<b>Variant_Audio</b> AllowZeroLength: True Attributes: Variable Length DataUpdatable: True DisplayControl: Textfield Required: False SourceField: Variant_Audio SourceTable: TAB_VariantNames UnicodeCompression: True Description: Pointer to an audio file of the variant name	Character	100
<b>ClassificationStatus_ID</b> AllowZeroLength: False Attributes: DataUpdatable: True Required: True SourceField: ID SourceTable: TAB_ClassificationStatus Description: Foreign key to TAB_ClassificationStatus.	Long Integer	

<b>Classification_Remark</b>		<b>Memo</b>	-
AllowZeroLength:	True		
Attributes:	Variable Length		
DataUpdatable:	True		
Required:	False		
SourceField:	Classification_Remark		
SourceTable:	TAB_VariantNames		
UnicodeCompression:	True		
Description:	Additional information to the classification and the status of the variant name		
<b>Gender_ID</b>		<b>Long Integer</b>	
AllowZeroLength:	True		
Attributes:			
DataUpdatable:	True		
Required:	False		
SourceField:	ID		
SourceTable:	TAB_Gender		
Description:	Foreign key to TAB_Gender		
<b>Number_ID</b>		<b>Long Integer</b>	
AllowZeroLength:	True		
Attributes:			
DataUpdatable:	True		
Required:	False		
SourceField:	ID		
SourceTable:	TAB_Number		
Description:	Foreign key to TAB_Number		
<b>Country_ID</b>		<b>Long Integer</b>	
AllowZeroLength:	False		
Attributes:			
DataUpdatable:	True		
Required:	True		
SourceField:	ID		
SourceTable:	TAB_CountryCode		
Description:	Foreign key to TAB_CountryCode. Country where the feature is situated.		
<b>Language_ID</b>		<b>Long Integer</b>	
AllowZeroLength:	False		
Attributes:			
DataUpdatable:	True		
Required:	True		
SourceField:	ID		
SourceTable:	TAB_LanguageCode		
Description:	Foreign key to TAB_LanguageCode. Language the variant name belongs to.		
<b>Language_Remark</b>		<b>Character</b>	<b>250</b>
AllowZeroLength:	True		
Attributes:	Variable Length		
DataUpdatable:	True		
Required:	False		
SourceField:	Classification_Remark		
SourceTable:	TAB_VariantNames		
UnicodeCompression:	True		
Description:	Additional information to the language of the variant name		

**Table indices**

IgnoreNulls:	False
Name:	ID
Required:	True
Unique:	True
Primary Key:	True
Name:	EGN_Variant_ID
Primary Key:	False
Name:	VariantName
Primary Key:	False

### 3.14 TAB\_Publication\_Language

Table identifying the language(s) a metadata entry is published.

#### Attributes

Name	Type	Size
ID	Long Integer	
AllowZeroLength:	False	
Attributes:	Auto-Inkrement	
DataUpdatable:	False	
Required:	True	
SourceField:	ID	
SourceTable:	TAB_Publication_Language	
Description:	Identifier of this table	
Metadata_ID	Character	10
AllowZeroLength:	False	
Attributes:	Fixed Length	
DataUpdatable:	True	
DisplayControl:	Textfield	
Required:	True	
SourceField:	ID	
SourceTable:	TAB_Metadata	
UnicodeCompression:	True	
Description:	Foreign key to TAB_Metadata. Identifies the metadata entry.	
Language_ID	Long Integer	
AllowZeroLength:	False	
Attributes:		
DataUpdatable:	True	
Required:	True	
SourceField:	ID	
SourceTable:	TAB_LanguageCode	
Description:	Foreign key to TAB_LanguageCode. Identifies the language(s) of the metadata entry.	

#### Table indices

IgnoreNulls:	False
Name:	ID
Required:	True
Unique:	True
Primary Key:	True

### 3.15 TAB\_FeatureClass

Table identifying the

**Attributes**

<b>Name</b>		<b>Type</b>	<b>Size</b>
<b>ID</b>	AllowZeroLength: False Attributes: Auto-Inkrement DataUpdatable: False Required: True SourceField: ID SourceTable: TAB_FeatureClass Description: Identifier of this table	Long Integer	
<b>Class</b>	AllowZeroLength: False Attributes: Variable Length DataUpdatable: True DisplayControl: Textfield Required: True SourceField: Class SourceTable: TAB_FeatureClass UnicodeCompression: True Description: First level category of the geographical feature type classification of the EGN Central Service	Character	50
<b>Code</b>	AllowZeroLength: False Attributes: Variable Length DataUpdatable: True DisplayControl: Textfield Required: True SourceField: Code SourceTable: TAB_FeatureClass UnicodeCompression: True Description: Code for identifying the first level category of the geographical feature type classification of the EGN Central Service	Character	50
<b>Description</b>	AllowZeroLength: True Attributes: Variable Length DataUpdatable: True DisplayControl: Textfield Required: False SourceField: Description SourceTable: TAB_FeatureClass UnicodeCompression: True Description: Description of the feature class	Memo	-

**Table indices**

IgnoreNulls:	False
Name:	ID
Required:	True
Unique:	True
Primary Key:	True
Name:	Code
Primary Key:	False



EGN_Variant_ID	ENDONYM_#1	EGN_Feature_UID_#2	Geo_Longitude_#1	Geo_Latitude_#1	Featuretype_#1
{DE058F22-9E86-45C1-B5BF-FDE0DC3D625D}	Niedersachsen	48	52°40'	9°00'	1
{9D45E341-FFDB-4C01-B342-CB1F5203AE98}	Deutschland	55			1
{BB829F97-4AC6-430A-BF65-1FAE04EF5B63}	Berlin	56			2
{BB829F97-4AC6-430A-BF65-1FAE04EF5B63}	Berlin	56			2
{4423AB0F-23D7-46D2-9183-98996F02F7BC}	Chemnitz	52			2

VariantName	Variant_IPA	Variant_Audio	Classification	Status	Classification_Remark	Gender	Number	CountryCode
Dolní Sasko			standardized exonym	recommended		n. a.	n. a.	DE
Saksa			standardized exonym	recommended		n. a.	n. a.	DE
Verolino			not standardized exonym	scientific		n. a.	n. a.	DE
Berlino			standardized exonym	recommended		n. a.	n. a.	DE
Karl-Marx-Stadt			endonym variant	other	official from 1953 - 1990	neuter	singular	DE

Country_National	Country_English	Country_French	Country_Spanish	Country_German	Exonym.LanguageCode	Exonym.Language_National
Deutschland	Germany				cze	český jazyk
Deutschland	Germany				fin	suomi; suomen kieli
Deutschland	Germany				gre	elliniká
Deutschland	Germany				spa	español; castellano
Deutschland	Germany				ger	Deutsch

Exonym.Language_English	Exonym.Language_French	Exonym.Language_Spanish	Exonym.Language_German	Language_Remark	Name_Original
Czech	tchèque	checo	Tschechisch		
Finnish	finnois	finés	Finnisch		
Modern Greek (post 1453)	grec moderne après 1453)	griego moderno	Neugriechisch		Βερολίνο
Spanish; Castilian	espagnol; castillan	español; castellano	Spanisch		
German	allmand	alemán	Deutsch		

TranscriptionSystem	Description	Date	Operator	Title_Original
ELOT 743				Index českých exonym Maiden Nimet Όνοματα Χωρων και Πρωτευουσων xyx Helységnévváltozások Köztes-Europában (1763-1995)

Title_English	Subtitle_Original	Subtitle_English
List of Czech Exonyms	Standardizované podoby, varianty	Standardized Forms and Variants suomeksi, routsiksi, saameksi, englanniksi, ranskaksi ja saksaksi

Place-Name Changes in Europe Between (1763-1995)

Publisher_Original	Publisher_English	Contact	Year	Version	Additional_Information
Český úřad zeměměřický a katastrální	Czech Office of Surveying, Mapping and Cadastre	Boháč	2006		ISBN 80-86918-04-1
Maapallo Kuvapörssi Oy		Paikkalla	2003		ISBN 952-5446-00-X
Ομάδα Εργασίαζ για την Τυποποίηση των	Working Group on the Standardization of Geographical Names		2002	1st edition	
			2007		
Bencsik Péter			1997		ISBN 156873 1

Data_Language.LanguageCode	Data_Language.Language_National	Data_Language.Language_English	Data_Language.Language_French
cze	český jazyk	Czech	tchèque
fin	suomi; suomen kieli	Finnish	finnois

Data_Language.Language_Spanish	Data_Language.Language_German	Publication.LanguageCode	Publication.Language_National
checo	Tschechisch	cze	český jazyk
finés	Finnisch	fin	suomi; suomen kieli
		gre	elliniká
		eng	English
		hun	magyar nyelv

Publication.Language_English	Publication.Language_French	Publication.Language_Spanish	Publication.Language_German
Czech	tchèque	checo	Tschechisch
Finnish	finnois	finés	Finnisch
Modern Greek (post 1453)	grec moderne après 1453)	griego moderno	Neugriechisch
English	anglais	inglés	Englisch
Hungarian	hongrois	húngaro	Ungarisch