

Globales Koordinatensystem ändern

Allgemein
 Projektion

Code:
 Einheiten:

Beschreibung:

Koordinatensystemtyp

Geodätisch

Geodätisches Datum:

Nicht-geodätisch

Ellipsoid:

Globales Koordinatensystem ändern

Allgemein
 Projektion

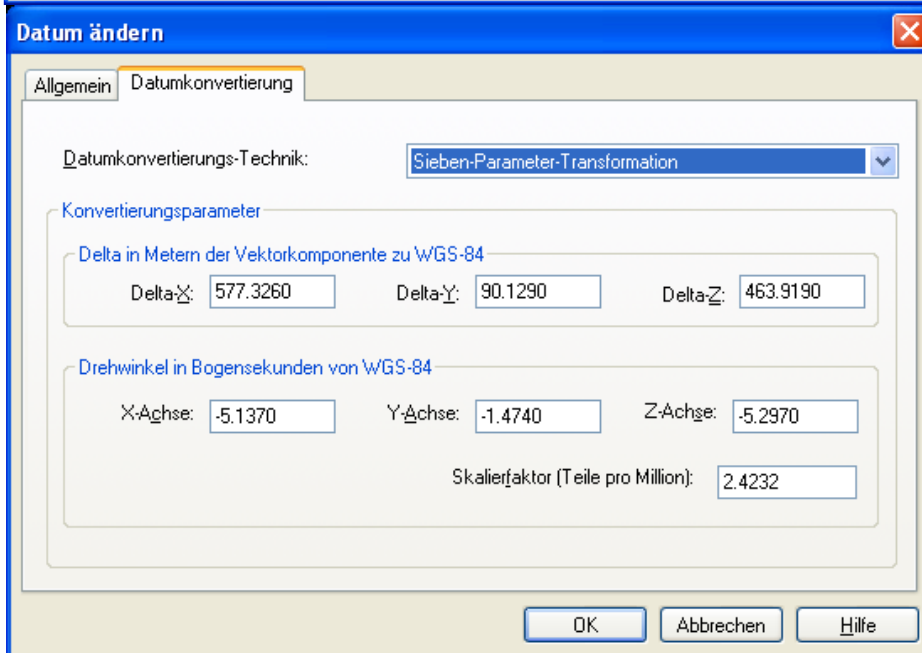
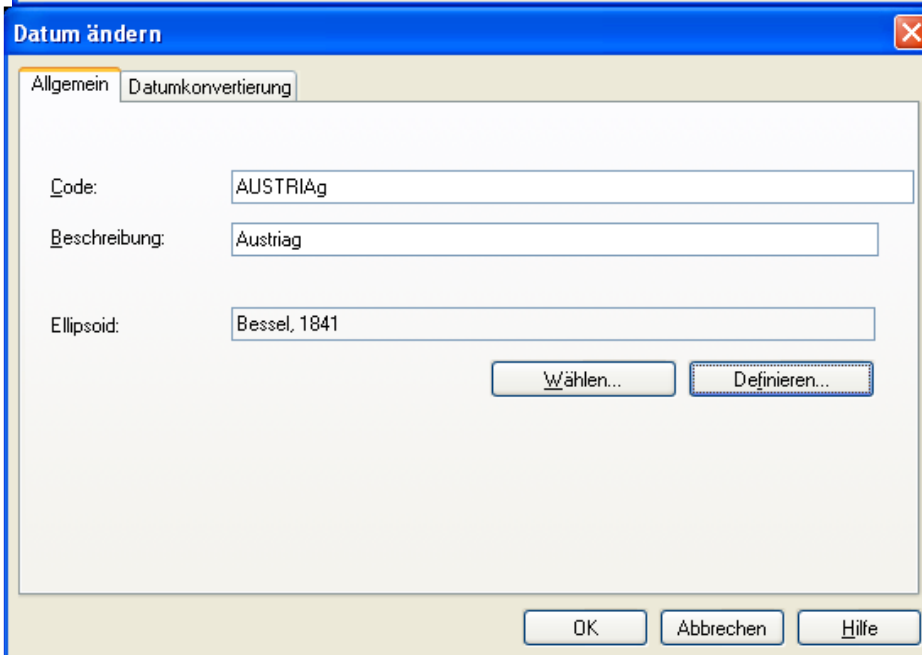
Projektion:

Falscher Ausgangspunkt

Nordwärts:
 Ostwärts:

Projektionsparameter

Ausgangsbreitengrad	<input type="text" value="0d0'0.000000''"/>
Maßstabverringern	<input type="text" value="1.0000"/>
Zentraler Meridian	<input type="text" value="13d19'59.999988''"/>



Home

Main Menu

- Home
- Blog
- Links
- References
- Software
- GIS
- Imprint
- Vegetation/Flora

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Username

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Remember me

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Projection parameters of Austria

Written by h.k.

Thursday, 14 December 2006

Projection parameters of spatial data in Austria for data transformations.

Fundamental information about spatial data transformation: **Proj4**

Compilation of world-wide transformation parameters: **EPSG**

Open source utility for spatial data transformation: **GDAL**

EPSG-transformation parameters

MGI (Militaergeographisches Institut) alias Hermannskogel - Austria:

MGI to WGS84 (7-parameter transformation, accuracy of 1.5 meter)

X-axis translation 577,326 meter

Y-axis translation 90,129 meter

Z-axis translation 463,919 meter

X-axis rotation 5,137 arc-second

Y-axis rotation 1,474 arc-second

Z-axis rotation 5,297 arc-second

scale difference 2,4232 parts per million

Please check always **EPSG** for newer version of transformation parameters!

For raster transformation by **gdal_translate/gdalwarp** or vector transformation by **ogr2ogr** you have to include

`TOWGS84[577.326,90.129,463.919,5.137,1.474,5.297,2.4232]`

into the projection parameters of spatial data in Austria. You can also use the following WKT-files:

Austria_BMN_MGI_M28.prj	Bundesmellenetz Meridian 28
Austria_BMN_MGI_M31.prj	Bundesmellenetz Meridian 31
Austria_BMN_MGI_M34.prj	Bundesmellenetz Meridian 34
Austria_GK_MGI_M28.prj	Gauss-Krueger Meridian 28
Austria_GK_MGI_M31.prj	Gauss-Krueger Meridian 31
Austria_GK_MGI_M34.prj	Gauss-Krueger Meridian 34
Austria_MGI_Lambert.prj	Lambert

For Germany you can use the following WKT-file:

[DHDN_zone4.prj](#) DHDN Zone 4 (e.g. for Bavaria)