



Geoid model CHGeo2004 in CH1903

Data Identification

Abstract

Swiss geoid model in the version of 2004 (CHGeo2004) in the reference system CH1903. It forms the zero reference surface (approximated mean sea level) for height determination and serves for the transformation between ellipsoidal heights and orthometric heights (LHN95). The geoid heights are stored in a regular 1x1 km grid and are interpolated by the biquadratic method. The model is available in various reference systems and data formats.

Purpose

Base for height transformation

Progress

Completed

Language

German

Language

French

Language

English

Character Set

UTF8

Basic geodata identifier

34.6

Basic Geodata Type

Federal

Code

Citation

Title

Geoid model CHGeo2004 in CH1903

Alternate title

Geoid in CH1903

Creation

07-03-2004

Presentation form

Digital model

Collective title

Geodätische Bezugsrahmen (Fixpunkt- und Permanentnetzdaten Landesvermessung)

Point of contact

General

Individual name

Geodäsie - Géodésie

Organisation name

Federal office of topography

Organisation Acronym

swisstopo

Position name

Geodesy

Role code

Point of contact

Address

City

Wabern

Postal code

3084

Country

CH

Electronic mail address

infogeo@swisstopo.ch

Streetname

Seftigenstrasse

Streetnumber

264

Telephone

Voice

+41 58 469 01 11

OnLine resource

Linkage

<http://www.swisstopo.admin.ch/internet/swisstopo/e...>

Protocol

text/html

Maintenance Information

Maintenance

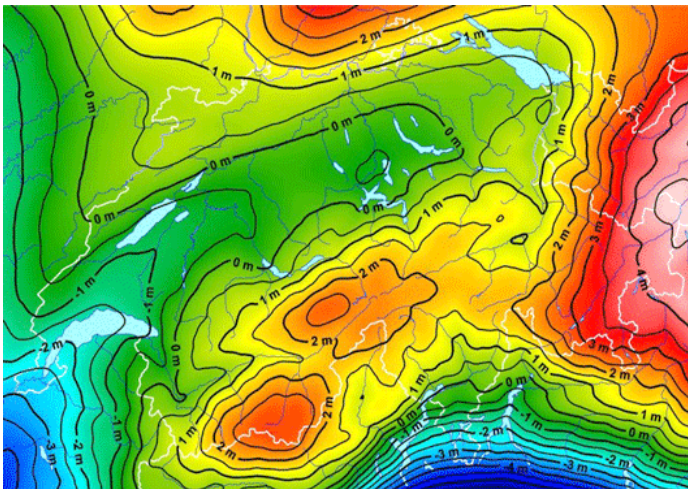
As needed

Frequency

Maintenance note

Update only in case of detection of severe errors

Graphic overview



Descriptive keywords

GEMET - INSPIRE themes, version 1.0
Coordinate reference systems

Elevation
geocat.ch Thesaurus
national survey
Height transformation
reference system
Orthometric height
Geoid
Gravity
GEMET concepts
geodesy

Aggregate Information

Association Type | Temporal state

Aggregate Datasetidentifier

Identifier

Code | 6bc7947c-6b99-400a-b332-5d79e199fdb7

Aggregate Information

Association Type | Larger work citation

Aggregate Datasetidentifier

Identifier

Code | 8454f7d9-e3f2-4cc7-be6d-a82196660ccd

Spatial resolution

Resolution

Distance | 1000

Topic category

| B Location, Reference Systems

Extent

Description | Schweiz

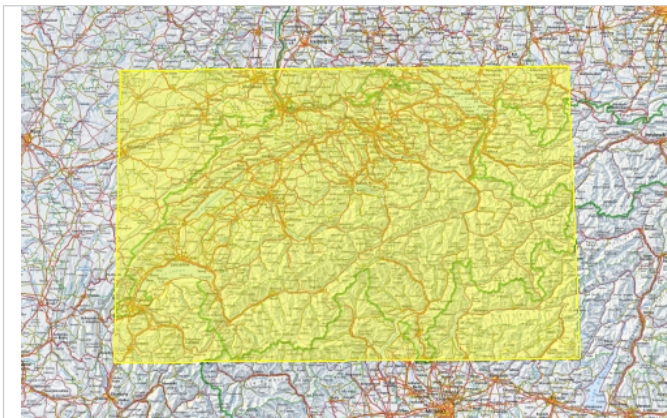
Geographic description

Geographic identifier

Identifier

Code | Schweiz

Geographic bounding box (Inclusive)



47.808	N	45.818	S
5.956	W	10.491	E

Distribution Information

Distribution format

Text (ASCII)
ESRI ArcInfo ASCII GRID (-)

Digital transfer options

OnLine resource

<http://www.swisstopo.admin.ch/internet/swisstopo/en/home/topics/survey/sys/geoid.html> - Link to Data Description

Digital transfer options

OnLine resource

<http://www.toposhop.admin.ch/en/shop/products/software/index> - Link for Download

Reference System Information

Identifier

Unique resource identifier LV03

Reference System Information

Identifier

Unique resource identifier LV95

Legislation Information

Legislation

Country Switzerland
ISO Language code German
ISO Language code French
ISO Language code Italien
Code Other legal text on national level
Internal Reference 510.620

Title

Title Verordnung über Geoinformation: Anhang 1, Katalog der Geobasisdaten des Bundesrechts
Alternate title Geoinformationsverordnung GeoIV
Creation 21-05-2008
Publication 01-07-2008

Legislation Information

Legislation

Country Switzerland
ISO Language code German
ISO Language code French
ISO Language code Italien
Code Other legal text on national level
Internal Reference 510.626

Title

Title Verordnung über die Landesvermessung
Alternate title Landesvermessungsverordnung, LVV
Creation 21-05-2008
Publication 01-07-2008

Metadata

File identifier 2b20aece-5cb1-41f1-a618-7c6e1ff6a81b
Metadata language German
Character Set UTF8
Scope code Dataset
Date stamp 17-08-2015 16:07:01
Metadata standard name GM03 2+

Metadata author

General

Individual name Geodäsie - Géodésie
Organisation name Federal office of topography

Address

City Wabern
Postal code 3084

Organisation Acronym swisstopo
Position name Geodesy
Role code Point of contact

Country CH
Electronic mail address infogeo@swisstopo.ch
Streetname Seftigenstrasse
Streetnumber 264

Telephone

Voice +41 58 469 01 11

OnLine resource

Linkage <http://www.swisstopo.admin.ch/internet/swisstopo/e...>
Protocol text/html

Other language

German (UTF8)
French (UTF8)
Italien (UTF8)
English (UTF8)
Rumantsch (UTF8)

Links

Download
Link

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Associated

Temporal state
Larger Work Citation
Service
Dataset

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[wms.geo.admin.ch](#)
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[Gravimetric Map of Switzerland \(Bouguer Anomalies\) 1:500000](#)
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