

Gravimetric Measurements Kempen, 1999

1. Metadata Reference Information

1.1 Metadata Responsible Organisation and Contact Information

- 1.1.1 Organisation Name: Ghent University
- 1.1.2 Contact Voice Telephone: +32 (0)9 264 46 95
- 1.1.4 Address: Krijgslaan 281
- 1.1.5 City: Ghent
- 1.1.6 State or Province: East-Flanders
- 1.1.7 Postal Code: 9000
- 1.1.8 Country: Belgium
- 1.1.9 Contact Electronic Mail: Jeffrey.Verbeurgt@UGent.be
- 1.1.10 Website: <http://geoweb.ugent.be/en>
- 1.1.12 Contact Person: Jeffrey Verbeurgt
- 1.1.13 Contact Person Position: Researcher

1.2 Metadata Creation and Review Dates

- 1.2.1 Metadata Date: 2019-02-20

1.3 Metadata Prototype Information

1.3.1 Metadata Standard Information

- 1.3.1.1 Metadata Standard Name: IGFS, IAG Conventions and Standards for Gravity MetaData (ISO19115-1 Profile)
- 1.3.1.2 Metadata Standard Version: 1.0
- 1.3.1.3 Metadata Standard Identifier: IGFSCBgMeta1.0

1.3.2 Metadata Structure Responsible Organisation and Contact Information

- 1.3.2.1 Organisation Name: International Gravity Field Service Central Bureau
- 1.3.2.2 Contact Voice Telephone: +30 2310 994366
- 1.3.2.3 Contact Facsimile Telephone: +30 2310 995948
- 1.3.2.4 Address: IGFS CB, GravLab, Department of Geodesy and Surveying, Aristotle University of Thessaloniki
- 1.3.2.5 City: Thessaloniki
- 1.3.2.6 State or Province: Central Macedonia
- 1.3.2.7 Postal Code: 54124
- 1.3.2.8 Country: Greece

1.3.2.9 Contact Electronic: igfs@topo.auth.gr

1.3.2.10 Website: <http://igfs.topo.auth.gr>

1.3.2.11 Hours of Service : 09:00-15:00 Mon to Fri (Eastern European Time)

1.3.2.12 Contact Person: Georgios S. Vergos

1.3.2.13 Contact Position: Director

2. Identification Information

2.1 Resource Coordinate Reference System

2.1.1 Coordinate Reference System (according to EPSG coding): 4326

2.2 Resource Citation

2.2.1 Title: Gravimetric Measurements Kempen, 1999

2.2.2 Publication Reference Date: 2019-02-20

2.3 Resource Description

2.3.1 Abstract: This dataset contains 441 gravity stations covering 2800 km² in the Kempen, close to the border with The Netherlands. Data was acquired in 1999 by The Meetkundige Dienst of the Dutch Rijkswaterstaat to enable determination of the Netherlands geoid. a Mean Square Error between 5 and 6 µgal is achieved in this network. 2.3.2 Purpose: Calculation of the geoid for The Netherlands

2.3.2 Purpose: Historical

2.3.3 Data Set Credit: Meetkundige Dienst of the Dutch Rijkswaterstaat; Royal Observatory Belgium; National Geographic Institute; Geological Survey of Belgium

2.4 Resource Status

2.4.1 Progress: completed

2.4 Resource Point of Contact

2.5.1 Contact Organisation: Royal Observatory Belgium

2.5.2 Contact Voice Telephone: +32 2 373 02 11

2.5.4 Address: Avenue Circulaire 3

2.5.5 City: Brussels

2.5.7 Postal Code: 1180

2.5.8 Country: Belgium

2.5.9 Contact Electronic Mail: rob_info@oma.be

2.5.10 Website: <http://seismologie.be/en>

2.5.12 Contact Person: Michel Van Camp

2.5.13 Contact Person Position: Head-Researcher

2.6 Spatial Domain

2.6.1 West Bounding Coordinate [dec degrees]: 4.3902

2.6.2 East Bounding Coordinate [dec degrees]: 5.1049

2.6.3 South Bounding Coordinate [dec degrees]: 51.3594

2.6.4 North Bounding Coordinate [dec degrees]: 51.5049

2.7 Resource Maintenance and Update

2.7.1 Maintenance and Update Frequency: notPlanned

2.9 Constraints and Security Information

2.9.1 Constraints

2.9.1.1 Access Constraints: otherRestrictions

2.9.1.2 Use Constraints: otherRestrictions

2.9.2 Security

2.9.2.1 Security Classification: unclassified

3. Distribution Information

3.1 Distributor

3.1.1 Contact Organisation: Royal Observatory Belgium

3.1.2 Contact Voice Telephone: +32 2 373 02 11

3.1.4 Address: Avenue Circulaire 3

3.1.5 City: Brussels

3.1.7 Postal Code: 1180

3.1.8 Country: Belgium

3.1.9 Contact Electronic: rob_info@oma.be

3.1.10 Website: <http://seismologie.be/en>

3.1.12 Contact Person: Michel Van Camp

3.1.13 Contact Person Position: Head-Researcher

3.2 Standard Order Process

3.2.1 Online Form

3.2.1.1 Online Data Request URL: <http://seismologie.be/en>

3.2.2 Digital Form of Available Data for Distribution

3.2.2.1 Data Format Name: csv

3.3 Metadata Constraints

3.3.1 Metadata Access Constraints: otherRestrictions

3.3.2 Metadata Use Constraints: otherRestrictions

4. Standards and Conventions

4.1 General Standards and Conventions

- 4.1.1 Gravitation Constant of the Earth (GM) Used [$\text{m}^3/\{\text{kgs}^2\}$]: n/a
- 4.1.2 Equatorial Radius of the Earth Used [meters]: n/a
- 4.1.3 Flattening of the Earth Used [unitless]: n/a
- 4.1.4 Reference ellipsoid for normal gravity computation: WGS 84

5. Data and Data Quality Information

- 5.1 Attribute Accuracy Report: variableAccuracyProvided
- 5.2 Logical Consistency Report: Visual examination of data; height information was randomly checked; g-v
- 5.3 Completeness Report: availableWhole

5.4 Data Distribution

- 5.4.1 Data Distribution Form: irregular
- 5.5 Gravity Data Type: gravityAnomaly
- 5.6 Gravity Accuracy [mGal]: 0.01

5.7 Position Accuracy

- 5.7.1 Latitude Accuracy [decimal degrees]: 0.0007
- 5.7.2 Longitude Accuracy [decimal degrees]: 0.0007
- 5.7.3 Vertical Accuracy [meters]: 0.03

5.8 Time Period of Content

- 5.8.1 From Date: 1999-01-01
- 5.8.2 To Date: 1991-12-31
- 5.8.3 Current Reference: 2019-02-20