

## 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](mailto: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 Oudenaarde, 1991-1992

2.2.2 Publication Reference Date: 2019-02-20

### 2.3 Resource Description

2.3.1 Abstract: This dataset contains 802 gravity stations, of which 795 in the target area of 800 km<sup>2</sup> centered on Oudenaarde. Data was acquired by the 'Centre Geophysique Interne', a collaboration between the Royal Observatory Belgium, the National Geographic Institute and the Geological Survey Belgium. The LaCoste-Romberg D#32 gravimeter was used; after processing, an Mean Square Error of 8 µgal is achieved in this network.

2.3.2 Purpose: Historical

2.3.3 Data Set Credit: 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](mailto: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]: 3.3971

2.6.2 East Bounding Coordinate [dec degrees]: 3.8556

2.6.3 South Bounding Coordinate [dec degrees]: 51.0004

2.6.4 North Bounding Coordinate [dec degrees]: 50.7313

## 2.7 Resource Maintenance and Update

2.7.1 Maintenance and Update Frequency: notPlanned

## 2.8 Keywords

2.8.1 Theme Keyword(s): Coordinate reference systems

## 2.9 Constraints and Security Information

### 2.9.1 Constraints

2.9.1.1 Access Constraints: otherRestrictions

2.9.1.2 Use Constraints: otherRestrictions

2.9.1.3 Other Constraints: see: <http://seismologie.be/en/legal-notices/terms-of-use>

### 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](mailto: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

3.3.3 Metadata Other Constraints: See: <http://seismologie.be/en/legal-notice/terms-of-use>

## 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]: 0.008

### 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: 1991-10-23

5.8.2 To Date: 1992-05-11

5.8.3 Current Reference: 2019-02-20