

## 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: Mesures gravimétriques Grand-Duché de Luxembourg, 1996

2.2.2 Publication Reference Date: 2019-02-20

### 2.3 Resource Description

2.3.1 Abstract: Cet ensemble de données contient 509 stations gravimétriques mesurées au Grand-Duché de Luxembourg en 1996. Les données ont été acquises par le Centre géophysique international, une collaboration entre l'Observatoire royal de Belgique, le National Geographic Institute et le Geological Survey Belgium. Le gravimètre LaCoste-Romberg D # 32 a été utilisé; après traitement, un MSE de 7,1  $\mu\text{gal}$  est atteint dans ce réseau.

2.3.2 Purpose: Historique

2.3.3 Data Set Credit: Observatoire Royal de Belgique; Institut Géographique National; Service Géologique de Belgique

### 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]: 5.7249

2.6.2 East Bounding Coordinate [dec degrees]: 6.5497

2.6.3 South Bounding Coordinate [dec degrees]: 50.1812

2.6.4 North Bounding Coordinate [dec degrees]: 49.4550

## 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-notice/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: Contrôle visuel des données; données de hauteur vérifiées aléatoirement;

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]: 0.001

### 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: 1996-01-01

5.8.2 To Date: 1996-12-31

5.8.3 Current Reference: 2019-02-20