

CODATA Catalog of Roads Data Sets, v1

October 2009

This is a summary version of the data available in the full catalog, available for download in MS Access (2000) format. The catalog contains 367 entries. For more information on the catalog, visit <http://www.groads.org> and search for "CODATA Catalog of Roads Data Sets, v1". This catalog was produced by the Center for International Earth Science Information Network (CIESIN) at Columbia University under its contract to manage the NASA Socioeconomic Data and Applications Center (SEDAC).

Region: Global

Country: All **Year Pub:** 0

Data Set Title: OpenStreetMap (OSM)

Originator: Open Streets Map Project

Distributor: CloudMade Maps

URL: <http://downloads.cloudmade.com>

File Size (MB): **Total Km:** **Scale:**

Source Data: Online "crowd sourced" digitization and GPS Tracks.

Method:

Notes:

Distrib Constraints:

Use Constraints: All of the files at downloads.cloudmade.com are based on data from OpenStreetMap and are licensed under the terms of the Creative Commons Attribution Share-Alike 2.0 license. If you use these files please make sure you attribute the OpenStreetMap community by including a link to www.openstreetmap.org. If you alter, transform, or build upon this work, you may distribute the resulting work only under the same or similar license to this one.

Region: Global

Country: All **Year Pub:** 2008

Data Set Title: Global Roads Inventory Project (GRIP)

Originator: Netherlands Environmental Assessment Agency

Distributor: Netherlands Environmental Assessment Agency

URL: <http://mapserver.mnp.nl/website/GRIP/>

File Size (MB): **Total Km:** **Scale:** 1:100K to 1:1M

Source Data: Some commercial and many publicly collected datasets, no further details available

Method:

Notes:

Distrib Constraints:

Use Constraints:

Region: Global

Country: All **Year Pub:** 0

Data Set Title: ITHACA

Originator: Information Technology for Humanitarian Assistance, Cooperation

Distributor: not distributed publicly

URL:

File Size (MB):

Total Km:

Scale:

Source Data:

Method:

Notes:

Distrib Constraints:

Use Constraints:

Region: Global

Country: All **Year Pub:** 1990

Data Set Title: Vector Smart Map 0

Originator: US National Geospatial Intelligence Agency (NGIA) Vector Smart Map

Distributor:

URL:

File Size (MB):

Total Km:

Scale:

Source Data: Unknown

Method: Unknown

Notes:

Distrib Constraints: None

Use Constraints: None

Region: Africa

Country: Algeria **Year Pub:** 2004

Data Set Title: DZA_PennState

Originator: Penn State University

Distributor: University of Georgia - ITOS, Geographic Information Support Team

URL: <https://gist.itos.uga.edu/data/africa/countries/algeria/datasets/rdline.zip>

File Size (MB): 0.422

Total Km:

Scale: 1:1,000,000

Source Data: VMAP0/DCW

Method:

Notes:

Distrib Constraints: Unclear
Use Constraints: Unclear - probably public domain.

Region: Africa

Country: Algeria **Year Pub:** 0

Data Set Title: DZA_ISCGM_01

Originator: International Steering Committee for Global Mapping (ISCGM)

Distributor: International Steering Committee for Global Mapping (ISCGM)

URL: <http://211.19.49.27/gmd/download/dl.php>

File Size (MB): 7.908 **Total Km:** 37313 **Scale:**

Source Data:

Method:

Notes:

Distrib Constraints:

Use Constraints: If you intend to use the Global Map of Algeria for commercial purpose, you will need to get permission from National Institute of Cartography and Remote Sensing.

Region: Africa

Country: Algeria **Year Pub:** 0

Data Set Title: DZA_VMAP1_01.shp

Originator: US National Geospatial Intelligence Agency (NGIA) Vector Smart Map

Distributor:

URL:

File Size (MB): 5.25 **Total Km:** **Scale:**

Source Data: Vector Map Level 1 product resolution is based on 1:250,000 map scale source, i.e. 1cm=2.5km, and is 4 times the resolution of VMAP0. It is based primarily on the vectorized versions of 1:250,000 scale NIMA Joint Operations Graphics (JOGs) - nearly 10,000 sheets.

Method: The horizontal datum for this VMap product is WGS84. The vertical datum for this VMap product is mean sea level (MSL). The unit of measure for VMap is metric. The geographic extent of the VMap Level 1 product is global and consists of multiple regional databases. VMap Level 1 data from standard DMA source products are derived from the feature content defined in the associated military specification VMAP_89033 and allied appendix, available for download as .pdf files from NIMA Publications. Data gaps between a VMap Level 1 library may exist due to absence of data. VMap Level 1 products are organized into thematic layers. Each VMap thematic layer is stored as a single coverage within a VPF library. There are two reference coverages and ten thematic coverages in the data library level.

Notes: The approximate roads coverage is 10% of total national area. The metadata for DZA_VMAP1_01 are incomplete.

Distrib Constraints: these particular fragments of the VMAP1 database have no constraints (VMAP1a1new.pdf, 1)

Use Constraints:

Region: Africa

Country: Angola **Year Pub:** 0

Data Set Title: AGO_SAHIMS_01

Originator: CNIDAH, UNDP

Distributor: SAHIMS

URL:

File Size (MB): 0.79 **Total Km:** 66702 **Scale:**

Source Data:

Method:

Notes:

Distrib Constraints:

Use Constraints:

Region: Africa

Country: Angola **Year Pub:** 2007

Data Set Title: AGO_PennState

Originator: Penn State University

Distributor: University of Georgia - ITOS, Geographic Information Support Team

URL: <https://gist.itos.uga.edu/data/africa/countries/angola/datasets/rdline.zip>

File Size (MB): 0.398 **Total Km:** **Scale:** 1:1,000,000

Source Data: VMAP0/DCW

Method:

Notes:

Distrib Constraints: Unclear

Use Constraints: Unclear - probably public domain.

Region: Africa

Country: Angola **Year Pub:** 2004

Data Set Title: AGO_NGIA

Originator: National Geospatial Intelligence Agency (NGIA)

Distributor: University of Georgia - ITOS, Geographic Information Support Team

URL: <https://gist.itos.uga.edu/data/africa/countries/angola/datasets/roads.zip>

File Size (MB): 0.275 **Total Km:** **Scale:** 1:2,000,000

Source Data:

Method:

Notes:

Distrib Constraints: None.

Use Constraints: None.

Region: Africa

Country: Benin

Year Pub: 2004

Data Set Title: BEN_PennState_01.shp

Originator: Penn State University

Distributor: University of Georgia - ITOS, Geographic Information Support Team

URL: <https://gist.itos.uga.edu/data/africa/countries/benin/datasets/rdline.zip>

File Size (MB): 0.048

Total Km:

Scale: 1:1,000,000

Source Data: VMAPO/DCW

Method:

Notes:

Distrib Constraints:

Use Constraints:

Region: Africa

Country: Botswana

Year Pub: 2004

Data Set Title: BWA_PennState_01.shp

Originator: Penn State University

Distributor: University of Georgia - ITOS, Geographic Information Support Team

URL: <https://gist.itos.uga.edu/data/africa/countries/botswana/datasets/rdline.zip>

File Size (MB): 0.081

Total Km:

Scale: 1:1,000,000

Source Data: VMAPO/DCW

Method:

Notes:

Distrib Constraints:

Use Constraints:

Region: Africa

Country: Burkina Faso

Year Pub: 0

Data Set Title: BFA_ISCGM_01

Originator: International Steering Committee for Global Mapping (ISCGM)

Distributor: International Steering Committee for Global Mapping (ISCGM)

URL: <http://211.19.49.27/gmd/download/dl.php>

File Size (MB): 1.88

Total Km: 12169

Scale:

Source Data:

Method:

Notes:

Distrib Constraints:

Use Constraints: Commercial use of Global Map Burkina Faso is not permitted. For more detail, please contact Institut Geographique du Burkina.

Region: Africa

Country: Burkina Faso **Year Pub:** 2004

Data Set Title: BFA_PennState_01.shp

Originator: Penn State University

Distributor: University of Georgia - ITOS, Geographic Information Support Team

URL: https://gist.itos.uga.edu/data/africa/countries/burkina_faso/datasets/rdline.zip

File Size (MB): 0.146 **Total Km:** **Scale:** 1:1,000,000

Source Data: VMAPO/DCW

Method:

Notes:

Distrib Constraints:

Use Constraints:

Region: Africa

Country: Burundi **Year Pub:** 2004

Data Set Title: BDI_IGEBU_04.shp

Originator: Geographic Institute of Burundi (IGEBU)

Distributor: University of Georgia - ITOS, Geographic Information Support Team

URL: https://gist.itos.uga.edu/data/africa/countries/burundi/datasets/bdiroads_polyline.zip

File Size (MB): 0.176 **Total Km:** **Scale:** unknown

Source Data:

Method:

Notes: very coarse description of roads, appears to be spatially inaccurate.

Distrib Constraints: unknown

Use Constraints:

Region: Africa

Country: Burundi **Year Pub:** 2004

Data Set Title: BDI_IGEBU_01.shp

Originator: United Nations International Children's Emergency Fund

Distributor: University of Georgia - ITOS, Geographic Information Support Team

URL: <https://gist.itos.uga.edu/data/africa/countries/burundi/datasets/roads.zip>

File Size (MB): 4.565 **Total Km:** **Scale:** unknown

Source Data:
Method:
Notes:
Distrib Constraints: unknown
Use Constraints:

Region: Africa

Country: Burundi **Year Pub:** 2004
Data Set Title: BDI_IGEBU_02.shp
Originator: Geographic Institute of Burundi (IGEBU)
Distributor: University of Georgia - ITOS, Geographic Information Support Team
URL: https://gist.itos.uga.edu/data/africa/countries/burundi/datasets/bdi02_road.zip
File Size (MB): **Total Km:** **Scale:** unknown

Source Data: Unknown
Method:
Notes: Only smaller tertiary roads.
Distrib Constraints: unknown
Use Constraints: Unknown

Region: Africa

Country: Burundi **Year Pub:** 2004
Data Set Title: BDI_IGEBU_03.shp
Originator: Geographic Institute of Burundi (IGEBU)
Distributor: University of Georgia - ITOS, Geographic Information Support Team
URL: https://gist.itos.uga.edu/data/africa/countries/burundi/datasets/bdi02_route.zip
File Size (MB): 1.115 **Total Km:** **Scale:** unknown

Source Data:
Method:
Notes:
Distrib Constraints: unknown
Use Constraints:

Region: Africa

Country: Burundi **Year Pub:** 2002
Data Set Title: BDI_Africover_01
Originator: FAO Africover
Distributor: FAO Africover
URL: <http://www.africover.org>

File Size (MB): 0.588 **Total Km:** 3320 **Scale:** 1:100 000

Source Data: Digitally enhanced LANDSAT TM images (Bands 4,3,2) acquired mainly in the year 1999

Method: The roads have been produced from visual interpretation of digitally enhanced LANDSAT TM images.

Notes:

Distrib Constraints: owner information displayed in copyright info

Use Constraints: owner information displayed in copyright info

Region: Africa

Country: Cameroon

Year Pub: 2004

Data Set Title: CMR_PennState_01.shp

Originator: Penn State University

Distributor: University of Georgia - ITOS, Geographic Information Support Team

URL: <https://gist.itos.uga.edu/data/africa/countries/cameroon/datasets/rdline.zip>

File Size (MB): 0.244 **Total Km:** **Scale:** 1:1,000,000

Source Data: VMAP0/DCW

Method:

Notes:

Distrib Constraints:

Use Constraints:

Region: Africa

Country: Cameroon

Year Pub: 2005

Data Set Title: CMR_GlobalForestWatch_01

Originator: Cameroon's Ministry for the Environment and Forest (MINEF), Limbe

Distributor: World Resources Institute/Global Forest Watch

URL: <http://www.globalforestwatch.org>

File Size (MB): 5.26 **Total Km:** 42422 **Scale:**

Source Data: Landsat 7 ETM+ Imagery, 1:200,000 Topographic Maps (Georeferenced)

Method: Roads were digitized using satellite imagery from Landsat 7 Enhanced Thematic Mapper (ETM+) for the forested zone of Cameroon. Road type was assigned by overlaying the digitized road data on georeferenced 1:200,000 topographic maps produced by the National Institute of Cartography of Cameroon.

Notes:

For more information, see the full technical roads report available on the Atlas CD as well as the GFW website, www.globalforestwatch.org

Distrib Constraints:

Use Constraints: This data is copyright to MINEF/Canadian International Development Cooperation (CIDA)/World Resources Institute/Global Forest Watch and collaborators. Use and

reproduction of this data is authorized for educational or other non-commercial purposes without prior permission from the copyright holders. You may make as many copies of the data as you wish; give exact copies of the original data to anyone; and distribute the data in its unmodified form via electronic means. There is no charge for any of the above. You are specifically prohibited from charging, or requesting donation, for any such copies, however made; from publishing; and from distributing the data with other products (commercial or otherwise) without prior written permission

Region: Africa
Country: Cameroon **Year Pub:** 1998
Data Set Title: CMR_CARPE_01
Originator: CARPE, University of Maryland
Distributor: CARPE, University of Maryland
URL: <http://carpe.umd.edu>
File Size (MB): 0.334 **Total Km:** 21910 **Scale:**
Source Data: CARPE, US Defense Mapping Agency, World Resources Insitute, IGN
Method: The Cameroon road coverage consists of DCW* roads data (taken from WRI's Africa Data Sampler, <http://www.wri.org>) with additional roads from the road map 'Cameroon Carte Routiere au 1:1,500,000' dated 1994 and published by IGN (<http://www.ign.fr>). Road classifications from the IGN map have been added to the dataset

Notes:

The length of the road segment in kilometers calculated using the Mercator projection with center at 20 degrees east and 0 degrees north.

Distrib Constraints:

Use Constraints: This data is copyright to the Central African Regional Program for the Environment (CARPE) and/ or its collaborators. Use and reproduction of the data is authorized for educational or other non-commercial purposes without prior permission from the copyright holders.

Region: Africa
Country: Cape Verde **Year Pub:** 0
Data Set Title: CPV_VMAP1_01.shp
Originator: US National Geospatial Intelligence Agency (NGIA) Vector Smart Map
Distributor:
URL:
File Size (MB): 0.088 **Total Km:** **Scale:**
Source Data: Vector Map Level 1 product resolution is based on 1:250,000 map scale source, i.e. 1cm=2.5km, and is 4 times the resolution of VMAP0. It is based primarily on the vectorized versions of 1:250,000 scale NIMA Joint Operations Graphics (JOGs) - nearly 10,000 sheets.

Method: The horizontal datum for this VMap product is WGS84. The vertical datum for this VMap product is mean sea level (MSL). The unit of measure for VMap is metric. The geographic extent of the VMap Level 1 product is global and consists of multiple regional databases. VMap Level 1 data from standard DMA source products are derived from the feature content defined in the associated military specification VMAP_89033 and allied appendix, available for download as .pdf files from NIMA Publications. Data gaps between a VMap Level 1 library may exist due to absence of data. VMap Level 1 products are organized into thematic layers. Each VMap thematic layer is stored as a single coverage within a VPF library. There are two reference coverages and ten thematic coverages in the data library level.

Notes: The approximate roads coverage is 30% of total national area. The metadata for CPV_VMAP1_01 are incomplete.

Distrib Constraints: These particular fragments of the VMAP1 database have no constraints (VMAP1a1new.pdf, 1)

Use Constraints:

Region: Africa

Country: Cape Verde **Year Pub:** 2004

Data Set Title: CPV_PennState_01.shp

Originator: Penn State University

Distributor: University of Georgia - ITOS, Geographic Information Support Team

URL: https://gist.itos.uga.edu/data/africa/countries/cape_verde/datasets/rdline.zip

File Size (MB): 0.08 **Total Km:** **Scale:** 1:1,000,000

Source Data: VMAP0/DCW

Method:

Notes:

Distrib Constraints:

Use Constraints:

Region: Africa

Country: Central African **Year Pub:** 1997

Data Set Title: CAF_CARPE_01

Originator: CARPE, University of Maryland

Distributor: CARPE, University of Maryland

URL: <http://carpe.umd.edu>

File Size (MB): 0.229 **Total Km:** 24953 **Scale:**

Source Data: CARPE, US Defense Mapping Agency, World Resources Insititute, IGN

Method: The Central African Republic road coverage consists of DCW* roads data (taken from WRI's Africa Data Sampler, <http://www.wri.org>) with additional roads from the road map 'Republique Centrafricaine Carte Generale au 1:1,500,000' dated 1993 and published by IGN (<http://www.ign.fr>). Road classifications from the IGN map have been added to the dataset. Additionally, ferries ('bac' in French) have been added.

Notes:

The length of the road segment in kilometers calculated using the Mercator projection with center at 20 degrees east and 0 degrees north.

Distrib Constraints:

Use Constraints: This data is copyright to the Central African Regional Program for the Environment (CARPE) and/ or its collaborators. Use and reproduction of the data is authorized for educational or other non-commercial purposes without prior permission from the copyright holders.

Region: Africa

Country: Central African **Year Pub:** 2004

Data Set Title: CAF_PennState_01.shp

Originator: Penn State University

Distributor: University of Georgia - ITOS, Geographic Information Support Team

URL: https://gist.itos.uga.edu/data/africa/countries/central_african_republic/datasets/rdlin

File Size (MB): 0.15 **Total Km:** **Scale:** 1:1,000,000

Source Data: Similar to CARPE data

Method:

Notes:

Distrib Constraints:

Use Constraints:

Region: Africa

Country: Chad **Year Pub:** 2004

Data Set Title: TCD_USAID_01.shp

Originator: Unknown

Distributor: University of Georgia - ITOS, Geographic Information Support Team

URL: https://gist.itos.uga.edu/data/africa/countries/chad/datasets/roads_chad.zip

File Size (MB): 0.038 **Total Km:** **Scale:** unknown

Source Data:

Method:

Notes:

Distrib Constraints:

Use Constraints:

Region: Africa

Country: Chad **Year Pub:** 2004

Data Set Title: TCD_PennState_01.shp

Originator: Penn State University
Distributor: University of Georgia - ITOS, Geographic Information Support Team
URL: <https://gist.itos.uga.edu/data/africa/countries/chad/datasets/rdline.zip>
File Size (MB): 0.275 **Total Km:** **Scale:** 1:1,000,000
Source Data: VMAP0/DCW
Method:
Notes:
Distrib Constraints:
Use Constraints:

Region: Africa
Country: Comoros **Year Pub:** 2004
Data Set Title: COM_PennState_01.shp
Originator: Penn State University
Distributor: University of Georgia - ITOS, Geographic Information Support Team
URL: <https://gist.itos.uga.edu/data/africa/countries/comoros/datasets/rdline.zip>
File Size (MB): 0.004 **Total Km:** **Scale:** 1:1,000,000
Source Data: VMAP0/DCW
Method:
Notes:
Distrib Constraints:
Use Constraints:

Region: Africa
Country: Congo **Year Pub:** 2004
Data Set Title: COG_PennState_01.shp
Originator: Penn State University
Distributor: University of Georgia - ITOS, Geographic Information Support Team
URL: <https://gist.itos.uga.edu/data/africa/countries/congo/datasets/rdline.zip>
File Size (MB): 0.095 **Total Km:** **Scale:** 1:1,000,000
Source Data: VMAP0/DCW
Method:
Notes:
Distrib Constraints:
Use Constraints:

Region: Africa
Country: Congo **Year Pub:** 0

Data Set Title: COG_ISCGM_01
Originator: International Steering Committee for Global Mapping (ISCGM)
Distributor: International Steering Committee for Global Mapping (ISCGM)
URL: <http://211.19.49.27/gmd/download/dl.php>
File Size (MB): 0.404 **Total Km:** 8796 **Scale:**

Source Data:

Method:

Notes:

Distrib Constraints:

Use Constraints: The Global Map of Republic of CONGO is free of charge for any purpose. However, if you intend to use the data for commercial purpose, you will need to show the credit "Global Map of Republic of Congo © ISCGM/CERGEC" or logos on your product and send mail to describing your contact information, particular dataset use and purpose of use.

Region: Africa

Country: Djibouti **Year Pub:** 2007

Data Set Title: DJI_FAO_IGAD_LPI_01

Originator:

Distributor: IGAD FAO Livestock Policy Initiative Data Portal

URL: <http://ergodd.zoo.ox.ac.uk/igadweb/tiki-index.php>

File Size (MB): 0.077 **Total Km:** 2571 **Scale:**

Source Data:

Method:

Notes:

Distrib Constraints:

Use Constraints:

Region: Africa

Country: Djibouti **Year Pub:** 2004

Data Set Title: DJI_PennState_01.shp

Originator: Penn State University

Distributor: University of Georgia - ITOS, Geographic Information Support Team

URL: <https://gist.itos.uga.edu/data/africa/countries/djibouti/datasets/rdline.zip>

File Size (MB): 0.02 **Total Km:** **Scale:** 1:1,000,000

Source Data: VMAPO/DCW

Method:

Notes:

Distrib Constraints:

Use Constraints:

Region: Africa
Country: Djibouti **Year Pub:** 2004
Data Set Title: DJI_UNDP_01.shp
Originator: United Nations Development Programme - Somalia (UNDP)
Distributor: University of Georgia - ITOS, Geographic Information Support Team
URL: <https://gist.itos.uga.edu/data/africa/countries/djibouti/datasets/djroad.zip>
File Size (MB): 0.434 **Total Km:** **Scale:** 1:100,000
Source Data: topo maps 1956-1961
Method:
Notes:
Distrib Constraints:
Use Constraints:

Region: Africa
Country: Egypt **Year Pub:** 2002
Data Set Title: EGY_Africover_01
Originator: FAO Africover
Distributor: Mr. John Latham - FAO
URL: \\winserver0\sedacnew\GlobalRoads\data\regions\Africa\ERI\FAO_IGAD_LPI\Er_roads
File Size (MB): 0.716 **Total Km:** 27399 **Scale:** 1:100 000
Source Data: digitally enhanced LANDSAT TM images (Bands 4,3,2) acquired mainly in the year 1997
Method: The roads have been produced from visual interpretation of digitally enhanced LANDSAT TM images (Bands 4,3,2) acquired mainly in the year 1997.
Notes:
Distrib Constraints: Data can be accessed, reproduced, and distributed given that owner info is explicitly acknowledged and displayed in the copywrite information (I.E. Produced by FAO - Africover). Authors are not responsible for improper use of the data.
Use Constraints: See below. The Africover Data Sets are NOT for commercial or private use.

Region: Africa
Country: Egypt **Year Pub:** 2007
Data Set Title: EGY_PennState_01.shp
Originator: Penn State University
Distributor: University of Georgia - ITOS, Geographic Information Support Team
URL: <https://gist.itos.uga.edu/data/africa/countries/egypt/datasets/rdline.zip>
File Size (MB): 0.227 **Total Km:** **Scale:** 1:1,000,000
Source Data: VMAP0/DCW
Method:

Notes:

Distrib Constraints:

Use Constraints:

Region: Africa

Country: Eritrea

Year Pub: 2002

Data Set Title: ERI_FAO_IGAD_LPI_01

Originator:

Distributor: IGAD FAO Livestock Policy Initiative Data Portal

URL: <http://ergodd.zoo.ox.ac.uk/igadweb/tiki-index.php>

File Size (MB): 0.145

Total Km:

Scale:

Source Data: digitally enhanced LANDSAT TM images (Bands 4,3,2) acquired mainly in the year 1999

Method: The roads have been produced from visual interpretation of digitally enhanced LANDSAT TM images (Bands 4,3,2) acquired mainly in the year 1999.

Notes:

Distrib Constraints:

Use Constraints:

The data remains full property of the owners. It can be accessed, reproduced and distributed given that the owner information is explicitly acknowledged and displayed in the copyright information (I.E. Produced by FAO - Africover).

Region: Africa

Country: Eritrea

Year Pub: 2005

Data Set Title: ERI_USAID_01.shp

Originator: USAID/OFDA - Economic & Humanitarian Assistance

Distributor: University of Georgia - ITOS, Geographic Information Support Team

URL: <https://gist.itos.uga.edu/data/africa/countries/eritrea/datasets/uprds2u.zip>

File Size (MB): 3.542

Total Km:

Scale:

unknown

Source Data:

Method:

Notes: Data covers parts of north Ethiopia

Distrib Constraints:

Use Constraints:

Region: Africa

Country: Eritrea

Year Pub: 2002

Data Set Title: ERI_Africover_01

Originator: FAO Africover

Distributor: FAO - Africover

URL: \\winserv0\sedacnew\GlobalRoads\data\regions\Africa\ERI\FAO_IGAD_LPI\Er_roads

Originator: USAID/OFDA - Economic & Humanitarian Assistance
Distributor: University of Georgia - ITOS, Geographic Information Support Team
URL: https://gist.itos.uga.edu/data/africa/countries/eritrea/datasets/upd_rds.zip
File Size (MB): 0.651 **Total Km:** **Scale:** unknown

Source Data:
Method:
Notes:
Distrib Constraints:
Use Constraints:

Region: Africa
Country: Ethiopia **Year Pub:** 2000
Data Set Title: ETH_CGIAR_01
Originator:
Distributor: Consultative Group on International Agricultural Research (CGIAR)
URL:
File Size (MB): 8.714 **Total Km:** 44897 **Scale:**

Source Data:
Method:
Notes: Some topology issues
Distrib Constraints:
Use Constraints:

Region: Africa
Country: Ethiopia **Year Pub:** 2007
Data Set Title: ETH_PennState_01.shp
Originator: Penn State University
Distributor: University of Georgia - ITOS, Geographic Information Support Team
URL: <https://gist.itos.uga.edu/data/africa/countries/ethiopia/datasets/rdline.zip>
File Size (MB): 0.293 **Total Km:** **Scale:** 1:1,000,000

Source Data: VMAPO/DCW
Method:
Notes:
Distrib Constraints:
Use Constraints:

Region: Africa
Country: Ethiopia **Year Pub:** 2007

Data Set Title: ETH_UNOCHA_01.shp
Originator: UNOCHA
Distributor: University of Georgia - ITOS, Geographic Information Support Team
URL: https://gist.itos.uga.edu/data/africa/countries/ethiopia/datasets/eth_road.zip
File Size (MB): 6.819 **Total Km:** **Scale:** unknown
Source Data: University of Georgia - ITOS
Method:
Notes:
Distrib Constraints:
Use Constraints:

Region: **Africa**
Country: Ethiopia **Year Pub:** 2007
Data Set Title: ETH_UNDP_01.shp
Originator: United Nations Development Programme - Somalia (UNDP)
Distributor: University of Georgia - ITOS, Geographic Information Support Team
URL: <https://gist.itos.uga.edu/data/africa/countries/ethiopia/datasets/etroads.zip>
File Size (MB): 0.435 **Total Km:** **Scale:** 1:1,000,000
Source Data: USAID/OFDA
Method:
Notes:
Distrib Constraints:
Use Constraints:

Region: **Africa**
Country: Ethiopia **Year Pub:** 2007
Data Set Title: ETH_USAID_01.shp
Originator: USAID/OFDA - Economic & Humanitarian Assistance
Distributor: University of Georgia - ITOS, Geographic Information Support Team
URL: https://gist.itos.uga.edu/data/africa/countries/ethiopia/datasets/eth_road_polyline.zip
File Size (MB): 0.439 **Total Km:** **Scale:** 1:1,000,000
Source Data:
Method:
Notes:
Distrib Constraints:
Use Constraints:

Region: **Africa**

Country: Ethiopia **Year Pub:**
Data Set Title: ETH_FAO_IGAD_LPI_01
Originator:
Distributor: IGAD FAO Livestock Policy Initiative Data Portal
URL: <http://ergodd.zoo.ox.ac.uk/igadweb/tiki-index.php>
File Size (MB): 8.731 **Total Km:** 44840 **Scale:**

Source Data:
Method:
Notes:
Distrib Constraints:
Use Constraints:

Region: Africa
Country: Ethiopia **Year Pub:** 0
Data Set Title: ETH_ISCGM_01
Originator: International Steering Committee for Global Mapping (ISCGM)
Distributor: International Steering Committee for Global Mapping (ISCGM)
URL: <http://211.19.49.27/gmd/download/dl.php>
File Size (MB): 1.307 **Total Km:** 39734 **Scale:**

Source Data:
Method:
Notes:
Distrib Constraints:
Use Constraints:

If you intend to use the Global Map of Ethiopia for commercial purpose, you will need to get permission from the Ethiopian Mapping Agency (EMA). Please contact EMA at E-mail address ema@ethionet.et .
Any unauthorized use of the data for any commercial purposes is in violation of international copyright lawas and is strictly forbidden.

Region: Africa
Country: Gabon **Year Pub:** 2004
Data Set Title: GAB_PennState_01.shp
Originator: Penn State University
Distributor: University of Georgia - ITOS, Geographic Information Support Team
URL: <https://gist.itos.uga.edu/data/africa/countries/gabon/datasets/rdline.zip>
File Size (MB): 0.074 **Total Km:** **Scale:** 1:1,000,000

Source Data: VMAP0/DCW
Method:
Notes:
Distrib Constraints:

Use Constraints:

Region: Africa

Country: Gabon

Year Pub: 1998

Data Set Title: GAB_CARPE_01

Originator: CARPE, University of Maryland

Distributor: CARPE, University of Maryland

URL: http://maps.geog.umd.edu/carpe/Products/gab_road.zip

File Size (MB): 0.097

Total Km: 7735

Scale:

Source Data:

Method: The Gabon railroad coverage consists of rail lines extracted from the Africa Data Sampler, World Resources Institute, 1995, originally from the Digital Chart of the World 1:1,000,000 dataset derived from ONC Charts produced by the U.S. Defense Mapping Agency and updated by WRI.

Notes:

Distrib Constraints:

Use Constraints:

Region: Africa

Country: Gambia, The

Year Pub: 2004

Data Set Title: GMB_PennState_01.shp

Originator: Penn State University

Distributor: University of Georgia - ITOS, Geographic Information Support Team

URL: <https://gist.itos.uga.edu/data/africa/countries/gambia/datasets/rdline.zip>

File Size (MB): 0.017

Total Km:

Scale: 1:1,000,000

Source Data:

Ref date: 19970221
Digital Chart of the World

Method:

Notes:

Distrib Constraints:

Use Constraints:

Region: Africa

Country: Gambia, The

Year Pub: 0

Data Set Title: GMB_VMAP1_01.shp

Originator: US National Geospatial Intelligence Agency (NGIA) Vector Smart Map

Distributor:

URL:

File Size (MB): 0.28

Total Km:

Scale:

Source Data: Vector Map Level 1 product resolution is based on 1:250,000 map scale source, i.e. 1cm=2.5km, and is 4 times the resolution of VMAP0. It is based primarily on the vectorized versions of 1:250,000 scale NIMA Joint Operations Graphics (JOGs) - nearly 10,000 sheets.

Method: The horizontal datum for this VMap product is WGS84. The vertical datum for this VMap product is mean sea level (MSL). The unit of measure for VMap is metric. The geographic extent of the VMap Level 1 product is global and consists of multiple regional databases. VMap Level 1 data from standard DMA source products are derived from the feature content defined in the associated military specification VMAP_89033 and allied appendix, available for download as .pdf files from NIMA Publications. Data gaps between a VMap Level 1 library may exist due to absence of data. VMap Level 1 products are organized into thematic layers. Each VMap thematic layer is stored as a single coverage within a VPF library. There are two reference coverages and ten thematic coverages in the data library level.

Notes: The approximate roads coverage is 30% of total national area. The metadata for GMB_VMAP1_01 are incomplete.

Distrib Constraints: these particular fragments of the VMAP1 database have no constraints (VMAP1a1new.pdf, 1)

Use Constraints:

Region: Africa

Country: Ghana **Year Pub:** 2004

Data Set Title: GHA_PennState_01.shp

Originator: Penn State University

Distributor: University of Georgia - ITOS, Geographic Information Support Team

URL: <https://gist.itos.uga.edu/data/africa/countries/ghana/datasets/rdline.zip>

File Size (MB): 0.154 **Total Km:** **Scale:** 1:1,000,000

Source Data: VMAP0/DCW

Method:

Notes:

Distrib Constraints:

Use Constraints:

Region: Africa

Country: Ghana **Year Pub:** 1994

Data Set Title: GHA_CGIAR_01

Originator: Survey Department of Ghana

Distributor: Chamberlin, Jordan (IFPRI-Addis Ababa), J.CHAMBERLIN@CGIAR.ORG

URL:

File Size (MB): 6.763 **Total Km:** 24017 **Scale:**

Source Data:

Method: Mosaic of the survey department topographical map of 1974 with a road map produced

by the dept. in 1994 (mainly changing classes).

Notes:

Distrib Constraints:

Use Constraints:

Region: Africa

Country: Guinea

Year Pub: 2004

Data Set Title: GIN_PennState_01.shp

Originator: Penn State University

Distributor: University of Georgia - ITOS, Geographic Information Support Team

URL: https://gist.itos.uga.edu/data/africa/countries/equatorial_guinea/datasets/rdline.zip

File Size (MB): 0.311 **Total Km:** **Scale:** 1:1,000,000

Source Data: Ref date: 19970221
Digital Chart of the World

Method:

Notes:

Distrib Constraints:

Use Constraints:

Region: Africa

Country: Guinea

Year Pub: 0

Data Set Title: GIN_VMAP1_01.shp

Originator: US National Geospatial Intelligence Agency (NGIA) Vector Smart Map

Distributor:

URL:

File Size (MB): 1.495 **Total Km:** **Scale:**

Source Data: Vector Map Level 1 product resolution is based on 1:250,000 map scale source, i.e. 1cm=2.5km, and is 4 times the resolution of VMAP0. It is based primarily on the vectorized versions of 1:250,000 scale NIMA Joint Operations Graphics (JOGs) - nearly 10,000 sheets.

Method: The horizontal datum for this VMap product is WGS84. The vertical datum for this VMap product is mean sea level (MSL). The unit of measure for VMap is metric. The geographic extent of the VMap Level 1 product is global and consists of multiple regional databases. VMap Level 1 data from standard DMA source products are derived from the feature content defined in the associated military specification VMAP_89033 and allied appendix, available for download as .pdf files from NIMA Publications. Data gaps between a VMap Level 1 library may exist due to absence of data. VMap Level 1 products are organized into thematic layers. Each VMap thematic layer is stored as a single coverage within a VPF library. There are two reference coverages and ten thematic coverages in the data library level.

Notes: The approximate roads coverage is 10% of total national area. The metadata for GIN_VMAP1_01 is incomplete.

Distrib Constraints: these particular fragments of the VMAP1 database have no constraints (VMAP1a1new.pdf, 1)

Use Constraints:

Region: Africa

Country: Guinea-Bissau

Year Pub: 0

Data Set Title: GNB_ISCGM_01

Originator: International Steering Committee for Global Mapping (ISCGM)

Distributor: International Steering Committee for Global Mapping (ISCGM)

URL: <http://211.19.49.27/gmd/download/dl.php>

File Size (MB): 0.064

Total Km: 2777

Scale:

Source Data:

Method:

Notes:

Distrib Constraints:

Use Constraints: The Global Map of Guinea Bissau is free of charge for any purpose. However, if you intend to use the data commercial purpose, you will need to show the credit "Global Map of Guinea Bissau © ISCGM/Direccao Geral de Geografia c Cadastro" and send mail to biaib@yahoo.fr describing your contact information, particular dataset used and purpose of use.

Region: Africa

Country: Guinea-Bissau

Year Pub: 2004

Data Set Title: GNB_PennState_01.shp

Originator: Penn State University

Distributor: University of Georgia - ITOS, Geographic Information Support Team

URL: <https://gist.itos.uga.edu/data/africa/countries/guinea-bissau/datasets/rdline.zip>

File Size (MB): 0.043

Total Km:

Scale: 1:1,000,000

Source Data:

Ref date: 19970221
Digital Chart of the World

Method:

Notes:

Distrib Constraints:

Use Constraints:

Region: Africa

Country: Guinea-Bissau

Year Pub: 0

Data Set Title: GNB_VMAP1_01.shp

Originator: US National Geospatial Intelligence Agency (NGIA) Vector Smart Map

Distributor:

Distrib Constraints: these particular fragments of the VMAP1 database have no constraints (VMAP1a1new.pdf, 1)

Use Constraints:

Region: Africa

Country: Ivory Coast **Year Pub:** 2004

Data Set Title: CIV_PennState_01.shp

Originator: Penn State University

Distributor: University of Georgia - ITOS, Geographic Information Support Team

URL:

File Size (MB): 0.33 **Total Km:** **Scale:** 1:1,000,000

Source Data: Ref date: 19970221
Digital Chart of the World

Method:

Notes:

Distrib Constraints:

Use Constraints:

Region: Africa

Country: Ivory Coast **Year Pub:** 2004

Data Set Title: CIV_NGIA_03.shp

Originator: National Geospatial Intelligence Agency (NGIA)

Distributor: University of Georgia - ITOS, Geographic Information Support Team

URL: https://gist.itos.uga.edu/data/africa/countries/ivory_coast/datasets/tracks.zip

File Size (MB): 0.241 **Total Km:** **Scale:** unknown

Source Data: USAID/OFDA

Method:

Notes:

Distrib Constraints:

Use Constraints:

Region: Africa

Country: Ivory Coast **Year Pub:** 2004

Data Set Title: CIV_NGIA_02.shp

Originator: National Geospatial Intelligence Agency (NGIA)

Distributor: University of Georgia - ITOS, Geographic Information Support Team

URL: https://gist.itos.uga.edu/data/africa/countries/ivory_coast/datasets/hard-surf.zip

File Size (MB): 0.123 **Total Km:** **Scale:** unknown

Source Data: USAID/OFDA

Method:
Notes:
Distrib Constraints:
Use Constraints:

Region: Africa

Country: Ivory Coast **Year Pub:** 2004
Data Set Title: CIV_ESRI_01.shp
Originator: Environmental Systems Research Institute
Distributor: University of Georgia - ITOS, Geographic Information Support Team
URL: https://gist.itos.uga.edu/data/africa/countries/ivory_coast/datasets/ivhsr.zip
File Size (MB): 0.136 **Total Km:** **Scale:** 1:1,000,000
Source Data: University of Georgia - ITOS, Geographic Information Support Team (GIST)

Method:
Notes:
Distrib Constraints:
Use Constraints:

Region: Africa

Country: Ivory Coast **Year Pub:** 2004
Data Set Title: CIV_NGIA_01.shp
Originator: National Geospatial Intelligence Agency (NGIA)
Distributor: University of Georgia - ITOS, Geographic Information Support Team
URL: https://gist.itos.uga.edu/data/africa/countries/ivory_coast/datasets/loose-light.zip
File Size (MB): 0.089 **Total Km:** **Scale:** unknown
Source Data: USAID/OFDA

Method:
Notes:
Distrib Constraints:
Use Constraints:

Region: Africa

Country: Kenya **Year Pub:** 2009
Data Set Title:
Originator: Google Map Maker
Distributor: Google Map Maker Source Data
URL:
File Size (MB): 83.8 **Total Km:** **Scale:**

Source Data:**Method:****Notes:****Distrib Constraints:****Use Constraints:**

Thank you for your interest in the Google Map Maker Source Data. The Google Map Maker Source Data License Agreement gives non-profit entities, government agencies, and individuals the ability to use certain raw map data from Google Map Maker (the "Map Maker Source Data") to create or enhance their own non-commercial map-related projects (such as disaster-relief assessment studies). To help Google make your map data universally accessible and useful, we encourage you to share your edits and enhancements with the community by adding those edits and enhancements to Google Map Maker.

Please don't use the Map Maker Source Data if: (a) you are a for-profit entity; or (b) you want to use the map data for any commercial purpose; or (c) you want to create a mapping service (such as driving directions); or (d) you want to create any other service that is similar to a service already provided by Google through its products and APIs. Instead, please consider using the Google Maps APIs or Google's other products under the terms of service associated with those products.

Region: Africa**Country:** Kenya**Year Pub:** 2007**Data Set Title:** KEN_NGIA_01.shp**Originator:** National Geospatial Intelligence Agency (NGIA)**Distributor:** University of Georgia - ITOS, Geographic Information Support Team**URL:** <https://gist.itos.uga.edu/data/africa/countries/kenya/datasets/roadl.zip>**File Size (MB):** 0.845 **Total Km:** **Scale:** 1:1,500,000**Source Data:** USAID/OFDA**Method:****Notes:****Distrib Constraints:****Use Constraints:****Region:** Africa**Country:** Kenya**Year Pub:** 2004**Data Set Title:** KEN_UNDP_01.shp**Originator:** United Nations Development Programme - Somalia (UNDP)**Distributor:** University of Georgia - ITOS, Geographic Information Support Team**URL:** <https://gist.itos.uga.edu/data/africa/countries/kenya/datasets/keroads.zip>**File Size (MB):** 0.423 **Total Km:** **Scale:** 1:1,000,000**Source Data:** USAID/OFDA**Method:**

Notes:

Distrib Constraints:

Use Constraints:

Region: Africa

Country: Kenya

Year Pub: 0

Data Set Title: KEN_ISCGM_01

Originator: International Steering Committee for Global Mapping (ISCGM)

Distributor: International Steering Committee for Global Mapping (ISCGM)

URL: <http://211.19.49.27/gmd/download/dl.php>

File Size (MB): 3.475

Total Km: 22876

Scale:

Source Data:

Method:

Notes:

Distrib Constraints:

Use Constraints: Commercial use of Global Map Kenya is not permitted. For more detail, please contact Survey of Kenya.

Region: Africa

Country: Kenya

Year Pub: 2002

Data Set Title: KEN_Africover_01

Originator: FAO Africover

Distributor: John Latham - FAO

URL:

File Size (MB): 0.866

Total Km: 24017

Scale: 1:100 000

Source Data: digitally enhanced LANDSAT TM images (Bands 4,3,2) acquired mainly in the year 1995

Method: The roads have been produced from visual interpretation of digitally enhanced LANDSAT TM images (Bands 4,3,2) acquired mainly in the year 1995.

Notes:

Distrib Constraints: Data can be accessed, reproduced, and distributed given that owner info is explicitly acknowledged and displayed in the copywrite information (I.E. Produced by FAO - Africover). Authors are not responsible for improper use of the data.

Use Constraints: See below. The Africover Data Sets are NOT for commercial or private use.

Region: Africa

Country: Kenya

Year Pub: 0

Data Set Title: KEN_FAO_IGAD_LPI_01

Originator: Roy Jorgensen Associates, Inc. (amvkimani@roadsnet.go.ke)

Distributor: IGAD FAO Livestock Policy Initiative Data Portal

URL: <http://ergodd.zoo.ox.ac.uk/igadweb/tiki-index.php>
File Size (MB): 113.7 **Total Km:** 63886 **Scale:**
Source Data: GPS field data
Method: The road inventory and condition data was collected by local field teams using Global positioning (GPS) equipment and then downloaded to office computers for processing, editing and storage. Field teams collected the data on a district-by-district basis.
Notes: This dataset has very severe topology issues!! Road segments seem to match KEN_Africover_01 more than intersections.
Distrib Constraints:
Use Constraints:

Region: **Africa**
Country: Lesotho **Year Pub:** 0
Data Set Title: LSO_AndyNelson_01
Originator:
Distributor: Andy Nelson
URL: \\winserver0\sedacnew\GlobalRoads\data\regions\Africa\LSO\AndyNelson\LSO_Andy
File Size (MB): 0.02 **Total Km:** 1480 **Scale:**
Source Data:
Method:
Notes:
Distrib Constraints:
Use Constraints:

Region: **Africa**
Country: Liberia **Year Pub:** 0
Data Set Title: LBR_VMAP1_01.shp
Originator: US National Geospatial Intelligence Agency (NGIA) Vector Smart Map
Distributor:
URL: \\winserver0\sedacnew\GlobalRoads\data\regions\Africa\LBR\VMAP1\LBR_VMAP1_01
File Size (MB): 0.747 **Total Km:** **Scale:**
Source Data: Vector Map Level 1 product resolution is based on 1:250,000 map scale source, i.e. 1cm=2.5km, and is 4 times the resolution of VMAP0. It is based primarily on the vectorized versions of 1:250,000 scale NIMA Joint Operations Graphics (JOGs) - nearly 10,000 sheets.
Method: The horizontal datum for this VMap product is WGS84. The vertical datum for this VMap product is mean sea level (MSL). The unit of measure for VMap is metric. The geographic extent of the VMap Level 1 product is global and consists of multiple regional databases. VMap Level 1 data from standard DMA source products are derived from the feature content defined in the associated military specification VMAP_89033 and allied appendix, available for download as .pdf files from NIMA Publications. Data

gaps between a VMap Level 1 library may exist due to absence of data. VMap Level 1 products are organized into thematic layers. Each VMap thematic layer is stored as a single coverage within a VPF library. There are two reference coverages and ten thematic coverages in the data library level.

Notes: The approximate roads coverage is 15% of total national area. The metadata for LBR_VMAP1_01 are incomplete.

Distrib Constraints: these particular fragments of the VMAP1 database have no constraints (VMAP1a1new.pdf, 1)

Use Constraints:

Region: Africa

Country: Liberia **Year Pub:** 2004

Data Set Title: LBR_PennState_01.shp

Originator: Penn State University

Distributor: University of Georgia - ITOS, Geographic Information Support Team

URL: <https://gist.itos.uga.edu/data/africa/countries/liberia/datasets/rdline.zip>

File Size (MB): 0.135 **Total Km:** **Scale:** 1:1,000,000

Source Data: Ref date: 19970221
Digital Chart of the World

Method:

Notes:

Distrib Constraints:

Use Constraints:

Region: Africa

Country: Liberia **Year Pub:** 2004

Data Set Title: LBR_NGIA_01.shp

Originator: National Geospatial Intelligence Agency (NGIA)

Distributor: University of Georgia - ITOS, Geographic Information Support Team

URL: <https://gist.itos.uga.edu/data/africa/countries/liberia/datasets/lloadl.zip>

File Size (MB): 0.399 **Total Km:** **Scale:** unknown

Source Data: Party responsible for the resource: USAID/OFDA, Economic and Humanitarian Assistance (ofdagi@usaid.gov) ph: (202)661-9321

Method:

Notes:

Distrib Constraints:

Use Constraints:

Region: Africa

Country: Liberia **Year Pub:** 2004

Data Set Title: LBR_ESRI_01.shp
Originator: ESRI Support
Distributor: University of Georgia - ITOS, Geographic Information Support Team
URL: <https://gist.itos.uga.edu/data/africa/countries/liberia/datasets/litracks.zip>
File Size (MB): 1.182 **Total Km:** **Scale:** 1:1,000,000

Source Data:
Method:
Notes: creation date:1999
Distrib Constraints:
Use Constraints: Access and use are restricted to GIST members.

Region: **Africa**
Country: Libya **Year Pub:** 0
Data Set Title: LBY_VMAP1_01.shp
Originator: US National Geospatial Intelligence Agency (NGIA) Vector Smart Map
Distributor:
URL:
File Size (MB): 0.667 **Total Km:** **Scale:**

Source Data: Vector Map Level 1 product resolution is based on 1:250,000 map scale source, i.e. 1cm=2.5km, and is 4 times the resolution of VMAP0. It is based primarily on the vectorized versions of 1:250,000 scale NIMA Joint Operations Graphics (JOGs) - nearly 10,000 sheets.

Method: The horizontal datum for this VMap product is WGS84. The vertical datum for this VMap product is mean sea level (MSL). The unit of measure for VMap is metric. The geographic extent of the VMap Level 1 product is global and consists of multiple regional databases. VMap Level 1 data from standard DMA source products are derived from the feature content defined in the associated military specification VMAP_89033 and allied appendix, available for download as .pdf files from NIMA Publications. Data gaps between a VMap Level 1 library may exist due to absence of data. VMap Level 1 products are organized into thematic layers. Each VMap thematic layer is stored as a single coverage within a VPF library. There are two reference coverages and ten thematic coverages in the data library level.

Notes: The approximate roads coverage is 10% of total national area.
The metadata for LBY_VMAP1_01 are incomplete.

Distrib Constraints: these particular fragments of the VMAP1 database have no constraints (VMAP1a1new.pdf, 1)

Use Constraints:

Region: **Africa**
Country: Madagascar **Year Pub:** 0
Data Set Title: MDG_SAHIMS_01
Originator: CNS (Counsil National de Secours)

Distributor: SAHIMS

URL:

File Size (MB): 1.062 **Total Km:** 69738 **Scale:**

Source Data:

Method:

Notes:

Distrib Constraints:

Use Constraints:

Region: Africa

Country: Malawi

Year Pub: 0

Data Set Title: MWI_CGIAR_01

Originator: DANIDA-funded District Mapping Project

Distributor: Consultative Group on International Agricultural Research (CGIAR)

URL:

File Size (MB): 4.41 **Total Km:** 20177 **Scale:**

Source Data: Malawi 1:250,000 and the 1:50,000 scale maps for the country (1970s?).

Method: Developed from either scanning or digitizing the roads information on the Malawi 1:250,000 and the 1:50,000 scale maps for the country.

Notes:

Distrib Constraints:

Use Constraints:

Region: Africa

Country: Malawi

Year Pub: 0

Data Set Title: MWI_CGIAR_02

Originator: DANIDA-funded District Mapping Project

Distributor: Consultative Group on International Agricultural Research (CGIAR)

URL:

File Size (MB): 59.815 **Total Km:** 924761 **Scale:**

Source Data:

Method:

Notes:

Distrib Constraints:

Use Constraints:

Region: Africa

Country: Mali

Year Pub: 2004

Data Set Title: MLI_PennState_01.shp

Originator: Penn State University
Distributor: University of Georgia - ITOS, Geographic Information Support Team
URL: <https://gist.itos.uga.edu/data/africa/countries/mali/datasets/rdline.zip>
File Size (MB): 0.276 **Total Km:** **Scale:** 1:1,000,000
Source Data: VMAP0/DCW
Method:
Notes:
Distrib Constraints:
Use Constraints:

Region: **Africa**
Country: Mauritania **Year Pub:** 2004
Data Set Title: MRT_PennState_01.shp
Originator: Penn State University
Distributor: University of Georgia - ITOS, Geographic Information Support Team
URL: <https://gist.itos.uga.edu/data/africa/countries/mauritania/datasets/rdline.zip>
File Size (MB): 0.186 **Total Km:** **Scale:** 1:1,000,000
Source Data: Ref date: 19970221
Digital Chart of the World
Method:
Notes:
Distrib Constraints:
Use Constraints:

Region: **Africa**
Country: Mauritius **Year Pub:** 2004
Data Set Title: MUS_PennState_01.shp
Originator: Penn State University
Distributor: University of Georgia - ITOS, Geographic Information Support Team
URL: <https://gist.itos.uga.edu/data/africa/countries/mauritius/datasets/rdline.zip>
File Size (MB): 0.006 **Total Km:** **Scale:** 1:1,000,000
Source Data: VMAP0/DCW
Method:
Notes:
Distrib Constraints:
Use Constraints:

Region: **Africa**
Country: Morocco **Year Pub:** 2004

Data Set Title: MAR_PennState_01.shp
Originator: Penn State University
Distributor: University of Georgia - ITOS, Geographic Information Support Team
URL: <https://gist.itos.uga.edu/data/africa/countries/morocco/datasets/rdline.zip>
File Size (MB): 0.225 **Total Km:** **Scale:** 1:1,000,000
Source Data: VMAP0/DCW
Method:
Notes:
Distrib Constraints:
Use Constraints:

Region: Africa
Country: Mozambique **Year Pub:** 2002
Data Set Title: MOZ_SAHIMS_01
Originator: WFP/VAM
Distributor: SAHIMS
URL:
File Size (MB): 0.58 **Total Km:** 24972 **Scale:**
Source Data:
Method:
Notes: perfect overlay with MOZ_WFP_01 but has road type attributes which the latter does not seem to have, but missing a few roads compared to MOZ_WFP_01
Distrib Constraints:
Use Constraints: Free access but with VAM copyright

Region: Africa
Country: Mozambique **Year Pub:** 0
Data Set Title: MOZ_AndyNelson_02
Originator:
Distributor:
URL:
File Size (MB): 0.07 **Total Km:** 4207 **Scale:**
Source Data:
Method:
Notes:
Distrib Constraints:
Use Constraints:

Region: Africa

Country: Mozambique **Year Pub:** 0

Data Set Title: MOZ_WFP_01

Originator: WFP/VAM

Distributor: WFP/VAM, UN

URL: <http://vam.wfp.org/vamsie/srv/en/main.search?extended=off&attrset=geo&any=road>

File Size (MB): **Total Km:** 25659 **Scale:**

Source Data:

Method:

Notes: perfect overlay with MOZ_SAHIMS_01 but a few roads added (but different attribute table)

Distrib Constraints:

Use Constraints:

Region: Africa

Country: Mozambique **Year Pub:** 0

Data Set Title: MOZ_CGIAR_01

Originator: Agnelo dos Milagres (afernandes@uem.mz)

Distributor: Consultative Group on International Agricultural Research (CGIAR)

URL:

File Size (MB): 0.536 **Total Km:** 47654 **Scale:**

Source Data:

Method:

Notes: perfect match with MOZ_AndyNelson_01

Distrib Constraints:

Use Constraints:

Region: Africa

Country: Mozambique **Year Pub:** 0

Data Set Title: MOZ_CGIAR_02

Originator: Agnelo dos Milagres (afernandes@uem.mz)

Distributor: Consultative Group on International Agricultural Research (CGIAR)

URL:

File Size (MB): 3.049 **Total Km:** 31527 **Scale:**

Source Data:

Method:

Notes:

Distrib Constraints:

Use Constraints:

Region: Africa
Country: Mozambique **Year Pub:** 1995
Data Set Title: MOZ_AndyNelson_01
Originator: Africa Data Sampler, World Resources Institute
Distributor:
URL:
File Size (MB): 0.536 **Total Km:** 48779 **Scale:**
Source Data:
Method:
Notes: perfect match with MOZ_CGIAR_01 but cleaned up attributes
Distrib Constraints:
Use Constraints:

Region: Africa
Country: Mozambique **Year Pub:** 2007
Data Set Title: MOZ_WFP_04
Originator: WFP/VAM
Distributor: University of Georgia - ITOS, Geographic Information Support Team
URL: https://gist.itos.uga.edu/data/africa/countries/mozambique/datasets/road_tertiary.zip
File Size (MB): 0.168 **Total Km:** **Scale:** unknown
Source Data: USAID/OFDA
Method:
Notes:
Distrib Constraints:
Use Constraints:

Region: Africa
Country: Mozambique **Year Pub:** 0
Data Set Title: MOZ_ISCGM_01
Originator: International Steering Committee for Global Mapping (ISCGM)
Distributor: International Steering Committee for Global Mapping (ISCGM)
URL: <http://211.19.49.27/gmd/download/dl.php>
File Size (MB): 5.49 **Total Km:** **Scale:**
Source Data:
Method:
Notes:
Distrib Constraints:
Use Constraints: The Global Map of Mozambique is free of charge for any purpose. However, if you

intend to use the data for commercial purpose, you will need to show the credit "Global Map of Mozambique © ISCGM/CENACARTA" on your product and send mail to manuel.ferrao@cenacarta.com describing your contact information, particular dataset used and purpose of use.

Region: Africa
Country: Mozambique **Year Pub:** 2007
Data Set Title: MOZ_WFP_03
Originator: WFP/VAM
Distributor: University of Georgia - ITOS, Geographic Information Support Team
URL: https://gist.itos.uga.edu/data/africa/countries/mozambique/datasets/road_secondary
File Size (MB): 0.109 **Total Km:** **Scale:** unknown
Source Data: USAID/OFDA
Method:
Notes:
Distrib Constraints:
Use Constraints:

Region: Africa
Country: Mozambique **Year Pub:** 2007
Data Set Title: MOZ_USAID_01.shp
Originator: USAID/OFDA - Economic & Humanitarian Assistance
Distributor: University of Georgia - ITOS, Geographic Information Support Team
URL: https://gist.itos.uga.edu/data/africa/countries/mozambique/datasets/comg_arc.zip
File Size (MB): 2.997 **Total Km:** **Scale:** 1:250,000
Source Data:
Method:
Notes:
Distrib Constraints:
Use Constraints:

Region: Africa
Country: Mozambique **Year Pub:** 2007
Data Set Title: MOZ_WFP_02
Originator: WFP/VAM
Distributor: University of Georgia - ITOS, Geographic Information Support Team
URL: https://gist.itos.uga.edu/data/africa/countries/mozambique/datasets/road_prim.zip
File Size (MB): 0.067 **Total Km:** **Scale:** unknown
Source Data: USAID/OFDA

Method:
Notes:
Distrib Constraints:
Use Constraints:

Region: Africa

Country: Namibia **Year Pub:** 0

Data Set Title: NAM_VMAP1_01.shp

Originator: US National Geospatial Intelligence Agency (NGIA) Vector Smart Map

Distributor:

URL:

File Size (MB): 1.311 **Total Km:** **Scale:**

Source Data: Vector Map Level 1 product resolution is based on 1:250,000 map scale source, i.e. 1cm=2.5km, and is 4 times the resolution of VMAP0. It is based primarily on the vectorized versions of 1:250,000 scale NIMA Joint Operations Graphics (JOGs) - nearly 10,000 sheets.

Method: The horizontal datum for this VMap product is WGS84. The vertical datum for this VMap product is mean sea level (MSL). The unit of measure for VMap is metric. The geographic extent of the VMap Level 1 product is global and consists of multiple regional databases. VMap Level 1 data from standard DMA source products are derived from the feature content defined in the associated military specification VMAP_89033 and allied appendix, available for download as .pdf files from NIMA Publications. Data gaps between a VMap Level 1 library may exist due to absence of data. VMap Level 1 products are organized into thematic layers. Each VMap thematic layer is stored as a single coverage within a VPF library. There are two reference coverages and ten thematic coverages in the data library level.

Notes: The approximate roads coverage is 35% of total national area. The metadata for NAM_VMAP1_01 are incomplete

Distrib Constraints: these particular fragments of the VMAP1 database have no constraints (VMAP1a1new.pdf, 1)

Use Constraints:

Region: Africa

Country: Namibia **Year Pub:** 2004

Data Set Title: NAM_PennState_01.shp

Originator: Penn State University

Distributor: University of Georgia - ITOS, Geographic Information Support Team

URL: <https://gist.itos.uga.edu/data/africa/countries/namibia/datasets/rdline.zip>

File Size (MB): 0.175 **Total Km:** **Scale:** 1:1,000,000

Source Data: VMAP0/DCW

Method:

Notes:

Distrib Constraints:

Use Constraints:

Region: Africa

Country: Niger **Year Pub:** 2004

Data Set Title: NER_PennState_01.shp

Originator: Penn State University

Distributor: University of Georgia - ITOS, Geographic Information Support Team

URL: <https://gist.itos.uga.edu/data/africa/countries/niger/datasets/rdline.zip>

File Size (MB): 0.229 **Total Km:** **Scale:** 1:1,000,000

Source Data: VMAPO/DCW

Method:

Notes:

Distrib Constraints:

Use Constraints:

Region: Africa

Country: Niger **Year Pub:** 0

Data Set Title: NER_ISCGM_02

Originator: International Steering Committee for Global Mapping (ISCGM)

Distributor: International Steering Committee for Global Mapping (ISCGM)

URL: <http://211.19.49.27/gmd/download/dl.php>

File Size (MB): 0.918 **Total Km:** 33437 **Scale:**

Source Data:

Method:

Notes:

Distrib Constraints:

Use Constraints: If you intend to use the Global Map of Niger for commercial purpose, you will need to get permission from Institute Geographic National of Niger (IGN.N). Please contact Director General of IGN.N at e-mail : ah_dabey@yahoo.fr
Any unauthorized use of the data for any commercial purposes is in violation of international copyright laws and is strictly forbidden.

Region: Africa

Country: Niger **Year Pub:** 0

Data Set Title: NER_ISCGM_01

Originator: International Steering Committee for Global Mapping (ISCGM)

Distributor: International Steering Committee for Global Mapping (ISCGM)

URL: <http://211.19.49.27/gmd/download/dl.php>

File Size (MB): 0.283

Total Km: 9237

Scale:

Source Data:

Method:

Notes:

Distrib Constraints:

Use Constraints:

If you intend to use the Global Map of Niger for commercial purpose, you will need to get permission from Institute Geographic National of Niger (IGN.N). Please contact Director General of IGN.N at e-mail : ah_dabey@yahoo.fr
Any unauthorized use of the data for any commercial purposes is in violation of international copyright laws and is strictly forbidden.

Region: Africa

Country: Nigeria

Year Pub: 2005

Data Set Title: NGA_IITA_01.shp

Originator: International Institute for Tropical Agriculture (IITA) Geospatial

Distributor:

URL:

File Size (MB):

Total Km:

Scale:

Source Data:

Landsat imagery, ground recognition

Method:

IITA performed a re-interpretation of the road network of Nigeria, based on visual interpretation of Landsat TM satellite imagery, with some cross-checking against IITA drivers' personal experiences. This has not all been ground-checked, but it may be better than any other digital road map of Nigeria.

Notes:

Quick validation against GE imagery suggestions relatively high spatial accuracy, but the data set is fairly incomplete.

Distrib Constraints: The Nigerian road data is freely available, and can be used for any purpose.

Use Constraints: The Nigerian road data is freely available, and can be used for any purpose.

Region: Africa

Country: Nigeria

Year Pub: 0

Data Set Title: NGA_OSM_01.shp

Originator: Open Street Map Project

Distributor: CloudMade

URL: <http://www.cloudmade.com>

File Size (MB): 1

Total Km:

Scale:

Source Data:

OSM

Method:

Notes:

Distrib Constraints:

Use Constraints:

Region: Africa
Country: Nigeria **Year Pub:** 2004
Data Set Title: NGA_PennState_01.shp
Originator: Penn State University
Distributor: University of Georgia - ITOS, Geographic Information Support Team
URL: <https://gist.itos.uga.edu/data/africa/countries/nigeria/datasets/rdline.zip>
File Size (MB): 0.535 **Total Km:** **Scale:** 1:1,000,000
Source Data: VMAPO/DCW
Method:
Notes:
Distrib Constraints:
Use Constraints:

Region: Africa
Country: Reunion **Year Pub:** 2004
Data Set Title: REU_PennState_01.shp
Originator: Penn State University
Distributor: University of Georgia - ITOS, Geographic Information Support Team
URL: <https://gist.itos.uga.edu/data/africa/countries/reunion/datasets/rdline.zip>
File Size (MB): 0.017 **Total Km:** **Scale:** 1:1,000,000
Source Data: VMAPO/DCW
Method:
Notes:
Distrib Constraints:
Use Constraints:

Region: Africa
Country: Rwanda **Year Pub:** 2004
Data Set Title:
Originator: US National Geospatial Intelligence Agency (NGIA) Vector Smart Map
Distributor: University of Georgia - ITOS, Geographic Information Support Team
URL: https://gist.itos.uga.edu/data/africa/countries/rwanda/datasets/ref_road.zip
File Size (MB): 0.157 **Total Km:** **Scale:** 1:3,250,000
Source Data: USAID/OFDA
Method:
Notes:
Distrib Constraints:
Use Constraints:

Region: Africa
Country: Rwanda **Year Pub:** 2004
Data Set Title: RWA_NGIA_01.shp
Originator: US National Geospatial Intelligence Agency (NGIA) Vector Smart Map
Distributor: University of Georgia - ITOS, Geographic Information Support Team
URL: https://gist.itos.uga.edu/data/africa/countries/rwanda/datasets/pav_rd1.zip
File Size (MB): 0.022 **Total Km:** **Scale:** 1:15,000
Source Data: USAID/OFDA
Method:
Notes:
Distrib Constraints:
Use Constraints:

Region: Africa
Country: Rwanda **Year Pub:** 2004
Data Set Title: RWA_NGIA_01.shp
Originator: US National Geospatial Intelligence Agency (NGIA) Vector Smart Map
Distributor: University of Georgia - ITOS, Geographic Information Support Team
URL: https://gist.itos.uga.edu/data/africa/countries/rwanda/datasets/unpv_rd1.zip
File Size (MB): 0.016 **Total Km:** **Scale:** 1:15,000
Source Data: USAID/OFDA
Method:
Notes:
Distrib Constraints:
Use Constraints:

Region: Africa
Country: Rwanda **Year Pub:** 2002
Data Set Title: RWA_Africover_01
Originator: FAO Africover
Distributor: Mr. John Latham - FAO
URL: <http://www.africover.org>
File Size (MB): 0.244 **Total Km:** 1531 **Scale:** 1:100,000
Source Data: digitally enhanced LANDSAT TM images (Bands 4,3,2) acquired mainly in the year 1999.
Method: The roads have been produced from visual interpretation of Landsat imagery. The roads have been included for orientation purposes and should not be seen as
Notes:
Distrib Constraints: Data can be accessed, reproduced, and distributed given that owner info is explicitly

acknowledged and displayed in the copywrite information (I.E. Produced by FAO - Africover). Authors are not responsible for improper use of the data.

Use Constraints: See below. The Africover Data Sets are NOT for commercial or private use.

Region: Africa

Country: Rwanda **Year Pub:** 2004

Data Set Title:

Originator: US National Geospatial Intelligence Agency (NGIA) Vector Smart Map

Distributor: University of Georgia - ITOS, Geographic Information Support Team

URL: <https://gist.itos.uga.edu/data/africa/countries/rwanda/datasets/trail1.zip>

File Size (MB): 0.194 **Total Km:** **Scale:** 1:1,250,000

Source Data: USAID/OFDA

Method:

Notes:

Distrib Constraints:

Use Constraints:

Region: Africa

Country: Rwanda **Year Pub:** 0

Data Set Title: RWA_AndyNelson_01

Originator:

Distributor:

URL:

File Size (MB): 8.42 **Total Km:** 26584 **Scale:**

Source Data:

Method:

Notes:

Distrib Constraints:

Use Constraints:

Region: Africa

Country: Sao Tome and **Year Pub:** 2004

Data Set Title: STP_PennState_01.shp

Originator: Penn State University

Distributor: University of Georgia - ITOS, Geographic Information Support Team

URL: https://gist.itos.uga.edu/data/africa/countries/sao_tome_and_principe/datasets/rmlin

File Size (MB): 0.007 **Total Km:** **Scale:** 1:1,000,000

Source Data: VMAP0/DCW

Method:

Notes:

Distrib Constraints:

Use Constraints:

Region: Africa

Country: Senegal

Year Pub: 0

Data Set Title: SEN_ISCGM_01

Originator: International Steering Committee for Global Mapping (ISCGM)

Distributor: International Steering Committee for Global Mapping (ISCGM)

URL: <http://211.19.49.27/gmd/download/dl.php>

File Size (MB): 0.935

Total Km: 20978

Scale:

Source Data:

Method:

Notes:

Distrib Constraints:

Use Constraints: The Global Map of Senegal is free of charge for any purpose. However, if you intend to use the data for commercial purpose, you will need to get a license from DTGC. Please jump to DTGC Web site for licensing. Any unauthorized use of the data for any commercial purposes is in violation of international copyright laws and is strictly forbidden.

Region: Africa

Country: Senegal

Year Pub: 2004

Data Set Title: SEN_PennState_01.shp

Originator: Penn State University

Distributor: University of Georgia - ITOS, Geographic Information Support Team

URL: <https://gist.itos.uga.edu/data/africa/countries/senegal/datasets/rdline.zip>

File Size (MB): 0.198

Total Km:

Scale: 1:1,000,000

Source Data:

Ref date: 19970221

Digital Chart of the World

Method:

Notes:

Distrib Constraints:

Use Constraints:

Region: Africa

Country: Senegal

Year Pub: 0

Data Set Title: SEN_VMAP1_01.shp

Originator: US National Geospatial Intelligence Agency (NGIA) Vector Smart Map

Distributor:

URL:

File Size (MB): 1.14

Total Km:

Scale:

Source Data:

Vector Map Level 1 product resolution is based on 1:250,000 map scale source, i.e. 1cm=2.5km, and is 4 times the resolution of VMAP0. It is based primarily on the vectorized versions of 1:250,000 scale NIMA Joint Operations Graphics (JOGs) - nearly 10,000 sheets.

Method:

The horizontal datum for this VMap product is WGS84. The vertical datum for this VMap product is mean sea level (MSL). The unit of measure for VMap is metric. The geographic extent of the VMap Level 1 product is global and consists of multiple regional databases. VMap Level 1 data from standard DMA source products are derived from the feature content defined in the associated military specification VMAP_89033 and allied appendix, available for download as .pdf files from NIMA Publications. Data gaps between a VMap Level 1 library may exist due to absence of data. VMap Level 1 products are organized into thematic layers. Each VMap thematic layer is stored as a single coverage within a VPF library. There are two reference coverages and ten thematic coverages in the data library level.

Notes:

The approximate roads coverage is 20% of total national area. The metadata for SEN_VMAP1_01 are incomplete.

Distrib Constraints:

these particular fragments of the VMAP1 database have no constraints (VMAP1a1new.pdf, 1)

Use Constraints:

Region:

Africa

Country:

Sierra Leone

Year Pub:

2004

Data Set Title:

SLE_NGIA_01.shp

Originator:

National Geospatial Intelligence Agency (NGIA)

Distributor:

University of Georgia - ITOS, Geographic Information Support Team

URL:

https://gist.itos.uga.edu/data/africa/countries/sierra_leone/datasets/sl_roads.zip

File Size (MB): 0.481

Total Km:

Scale:

unknown

Source Data:

Party responsible for the resource: USAID/OFDA, Economic and Humanitarian Assistance (ofdagiu@usaid.gov) ph: (202)661-9321

Method:

Notes:

Distrib Constraints:

Use Constraints:

Region:

Africa

Country:

Sierra Leone

Year Pub:

2004

Data Set Title:

SLE_NGIA_02.shp

Originator:

US National Geospatial Intelligence Agency (NGIA) Vector Smart Map

Distributor:

University of Georgia - ITOS, Geographic Information Support Team

URL: https://gist.itos.uga.edu/data/africa/countries/sierra_leone/datasets/scarttrack.zip
File Size (MB): 0.287 **Total Km:** **Scale:** unknown
Source Data: USAID/OFDA
Method:
Notes:
Distrib Constraints:
Use Constraints:

Region: Africa

Country: Sierra Leone **Year Pub:** 2004
Data Set Title: SLE_PennState_01.shp
Originator: Penn State University
Distributor: University of Georgia - ITOS, Geographic Information Support Team
URL: https://gist.itos.uga.edu/data/africa/countries/sierra_leone/datasets/rdline.zip
File Size (MB): 0.11 **Total Km:** **Scale:** 1:1,000,000
Source Data: Ref date: 19970221
Digital Chart of the World
Method:
Notes:
Distrib Constraints:
Use Constraints:

Region: Africa

Country: Sierra Leone **Year Pub:** 0
Data Set Title: SLE_VMAP1_01.shp
Originator: US National Geospatial Intelligence Agency (NGIA) Vector Smart Map
Distributor:
URL:
File Size (MB): 0.899 **Total Km:** **Scale:**
Source Data: Vector Map Level 1 product resolution is based on 1:250,000 map scale source, i.e. 1cm=2.5km, and is 4 times the resolution of VMAP0. It is based primarily on the vectorized versions of 1:250,000 scale NIMA Joint Operations Graphics (JOGs) - nearly 10,000 sheets.
Method: The horizontal datum for this VMap product is WGS84. The vertical datum for this VMap product is mean sea level (MSL). The unit of measure for VMap is metric. The geographic extent of the VMap Level 1 product is global and consists of multiple regional databases. VMap Level 1 data from standard DMA source products are derived from the feature content defined in the associated military specification VMAP_89033 and allied appendix, available for download as .pdf files from NIMA Publications. Data gaps between a VMap Level 1 library may exist due to absence of data. VMap Level 1 products are organized into thematic layers. Each VMap thematic layer is stored as a

single coverage within a VPF library. There are two reference coverages and ten thematic coverages in the data library level.

Notes: The approximate roads coverage is 40% of total national area. The metadata for SLE_VMAP1_01 is incomplete.

Distrib Constraints: these particular fragments of the VMAP1 database have no constraints (VMAP1a1new.pdf, 1)

Use Constraints:

Region: Africa

Country: Somalia

Year Pub: 0

Data Set Title: SOM_FAO_IGAD_LPI_02

Originator:

Distributor: FAO, IGAD FAO Livestock Policy Initiative

URL: <http://ergodd.zoo.ox.ac.uk/igadweb/tiki-index.php>

File Size (MB): 15.204 **Total Km:** **Scale:**

Source Data: FSAU, Food Security Analysis Unit, UNDP

Method:

Notes:

Distrib Constraints:

Use Constraints:

Region: Africa

Country: Somalia

Year Pub: 1999

Data Set Title: SOM_FAO_IGAD_LPI_01

Originator:

Distributor: FAO, IGAD FAO Livestock Policy Initiative

URL: <http://ergodd.zoo.ox.ac.uk/igadweb/tiki-index.php>

File Size (MB): 8.381 **Total Km:** **Scale:**

Source Data: FSAU, Food Security Analysis Unit, UNDP

Method:

Notes:

Distrib Constraints:

Use Constraints:

Region: Africa

Country: Somalia

Year Pub: 0

Data Set Title: SOM_UNDP_01

Originator: United Nations Development Programme - Somalia (UNDP)

Distributor: United Nations Development Programme (UNDP)

URL:**File Size (MB):** 8.756 **Total Km:** 185849 **Scale:****Source Data:**

The roads were digitized from Somalia topographic maps at a scale of 1: 100,000. The maps were produced by stereo photography using aerial photography 1974. Printed 1976 by Bureau of cartography, Ministry of Defence, Somalia Democratic government. Reprinted by Canadian Forces Mapping and Charting Establishment from reprographic material of native Somalia mapping by the British Director of Military Survey.

Method:**Notes:****Distrib Constraints:****Use Constraints:****Region:** Africa**Country:** Somalia **Year Pub:** 2007**Data Set Title:** SOM_NGIA_01.shp**Originator:** National Geospatial Intelligence Agency (NGIA)**Distributor:** University of Georgia - ITOS, Geographic Information Support Team**URL:** <https://gist.itos.uga.edu/data/africa/countries/somalia/datasets/road.zip>**File Size (MB):** 1.368 **Total Km:** **Scale:** 1:2,800,000**Source Data:** USAID/OFDA**Method:****Notes:****Distrib Constraints:****Use Constraints:****Region:** Africa**Country:** Somalia **Year Pub:** 2001**Data Set Title:** SOM_DEPHA_01.shp**Originator:** United Nations Development Programme - Somalia (UNDP)**Distributor:** Data Exchange Program for the Horn of Africa**URL:** http://www.depha.org/maps/somalia/topomaps/som_roads_utm.zip**File Size (MB):** 16.7 **Total Km:** **Scale:** 1:250,000**Source Data:****Method:**

The roads were digitized from Somalia topographic maps at a scale of 1: 100,000. The maps were produced by stereo photography using aerial photography 1974. Printed 1976 by Bureau of cartography, Ministry of Defence, Somalia Democratic government.

Reprinted by Canadian Forces Mapping and Charting Establishment from reprographic material of native Somalia mapping by the British Director of Military Survey

Notes:**Distrib Constraints:**

Use Constraints: To change geographic coordinates from the Afgooye/Krasooski values as depicted on this map to WGS84 geographic values apply the following best fit shifts/
transformation: Afgooye lat. + 1.86" = lat (wGS84) Afgooye long. + 2.16" = long (wGS84)
Acknowledgement U.S Defence Mapping Agency Hydrographic/Topographic Center, Bethesda, MD and UNDP would be appreciated in products derived from these data.

Region: Africa

Country: South Africa **Year Pub:** 0

Data Set Title: ZAF_ISCGM_01

Originator: Department of Land Affairs

Distributor: International Steering Committee for Global Mapping (ISCGM)

URL: <http://211.19.49.27/gmd/download/dl.php>

File Size (MB): 8.317 **Total Km:** 54435 **Scale:**

Source Data:

Method:

Notes: Contains paved roads only

Distrib Constraints:

Use Constraints: The Global Map of the Republic of South Africa is free of charge for any purpose. However, if you intend to use the data for commercial purpose, you will need to show the credit "Global Map of the Republic of South Africa © ISCGM/State Copyright, Department of Land Affairs, Chief Directorate of Surveys and Mapping, Website: <http://w3sli.wcape.gov.za/>" on your product and send mail to cdsm@sli.wcape.gov.za describing your contact information, particular dataset used and purpose of use.

Region: Africa

Country: South Korea **Year Pub:** 1997

Data Set Title: KOR_PennState_01.shp

Originator: Penn State University

Distributor: University of Georgia - ITOS, Geographic Information Support Team

URL: https://gist.itos.uga.edu/data/south_asia/countries/republic_of_korea/datasets/rclin

File Size (MB): 0.116 **Total Km:** **Scale:** 1:1,000,000

Source Data: VMAP0/DCW

Method:

Notes:

Distrib Constraints:

Use Constraints:

Region: Africa

Country: Sudan **Year Pub:** 2006

Data Set Title: SDN_GSS_03.shp

Originator: Government of Southern Sudan
Distributor: University of Georgia - ITOS, Geographic Information Support Team
URL: https://gist.itos.uga.edu/data/africa/countries/sudan/datasets/bor_lulc.zip
File Size (MB): 0.663 **Total Km:** **Scale:** unknown
Source Data: University of Georgia - ITOS
Method:
Notes: polygon
Distrib Constraints:
Use Constraints:

Region: **Africa**
Country: Sudan **Year Pub:** 2006
Data Set Title: SDN_GSS_01.shp
Originator: Government of Southern Sudan
Distributor: University of Georgia - ITOS, Geographic Information Support Team
URL: https://gist.itos.uga.edu/data/africa/countries/sudan/datasets/aw_lulc.zip
File Size (MB): 0.278 **Total Km:** **Scale:** unknown
Source Data: University of Georgia - ITOS
Method:
Notes: polygon
Distrib Constraints:
Use Constraints:

Region: **Africa**
Country: Sudan **Year Pub:** 2006
Data Set Title: SDN_GSS_04.shp
Originator: Government of Southern Sudan
Distributor: University of Georgia - ITOS, Geographic Information Support Team
URL: https://gist.itos.uga.edu/data/africa/countries/sudan/datasets/jb_roads_runways.zip
File Size (MB): 0.167 **Total Km:** **Scale:** unknown
Source Data: University of Georgia - ITOS
Method:
Notes: polygon
Distrib Constraints:
Use Constraints:

Region: **Africa**
Country: Sudan **Year Pub:** 2006

Data Set Title: SDN_GSS_05.shp
Originator: Government of Southern Sudan
Distributor: University of Georgia - ITOS, Geographic Information Support Team
URL: https://gist.itos.uga.edu/data/africa/countries/sudan/datasets/jb_lulc.zip
File Size (MB): 1.598 **Total Km:** **Scale:** unknown
Source Data: University of Georgia - ITOS
Method:
Notes: polygon. Identical to SDN_GSS_04 except for one additional road segment and no road name attribute field
Distrib Constraints:
Use Constraints:

Region: Africa
Country: Sudan **Year Pub:** 2006
Data Set Title: SDN_DigitalGlobe_01.shp
Originator: DigitalGlobe
Distributor: University of Georgia - ITOS, Geographic Information Support Team
URL: https://gist.itos.uga.edu/data/africa/countries/sudan/datasets/roads_j.zip
File Size (MB): 0.107 **Total Km:** **Scale:** 1:10,000
Source Data: USAID/OFDA
Method: The lines were digitized from Digital Globe, Quickbird panchromatic imagery captured on April 27, 2004.
Notes:
Distrib Constraints:
Use Constraints:

Region: Africa
Country: Sudan **Year Pub:** 2006
Data Set Title: SDN_GSS_06.shp
Originator: Government of Southern Sudan
Distributor: University of Georgia - ITOS, Geographic Information Support Team
URL: https://gist.itos.uga.edu/data/africa/countries/sudan/datasets/mk_lulc.zip
File Size (MB): 0.739 **Total Km:** **Scale:** unknown
Source Data: University of Georgia - ITOS
Method:
Notes: polygon
Distrib Constraints:
Use Constraints:

Region: Africa
Country: Sudan **Year Pub:**
Data Set Title: SDN_FAO_IGAD_LPI_01
Originator:
Distributor: IGAD FAO Livestock Policy Initiative Data Portal
URL: <http://ergodd.zoo.ox.ac.uk/igadweb/tiki-index.php>
File Size (MB): 1.027 **Total Km:** 113201 **Scale:**
Source Data:
Method:
Notes:
Distrib Constraints:
Use Constraints:

Region: Africa
Country: Sudan **Year Pub:** 2006
Data Set Title: SDN_GSS_07.shp
Originator: Government of Southern Sudan
Distributor: University of Georgia - ITOS, Geographic Information Support Team
URL: https://gist.itos.uga.edu/data/africa/countries/sudan/datasets/tr_lulc.zip
File Size (MB): 0.423 **Total Km:** **Scale:** unknown
Source Data: University of Georgia - ITOS
Method:
Notes: polygon
Distrib Constraints:
Use Constraints:

Region: Africa
Country: Sudan **Year Pub:** 2006
Data Set Title: SDN_GSS_08.shp
Originator: Government of Southern Sudan
Distributor: University of Georgia - ITOS, Geographic Information Support Team
URL: https://gist.itos.uga.edu/data/africa/countries/sudan/datasets/wp_lulc.zip
File Size (MB): 0.564 **Total Km:** **Scale:** unknown
Source Data: University of Georgia - ITOS
Method:
Notes: polygon
Distrib Constraints:
Use Constraints:

Region: Africa
Country: Sudan **Year Pub:** 2006
Data Set Title: SDN_GSS_09.shp
Originator: Government of Southern Sudan
Distributor: University of Georgia - ITOS, Geographic Information Support Team
URL: https://gist.itos.uga.edu/data/africa/countries/sudan/datasets/wa_lulc.zip
File Size (MB): 0.44 **Total Km:** **Scale:** unknown
Source Data: University of Georgia - ITOS
Method:
Notes: polygon
Distrib Constraints:
Use Constraints:

Region: Africa
Country: Sudan **Year Pub:** 2006
Data Set Title: SDN_GSS_10.shp
Originator: Government of Southern Sudan
Distributor: University of Georgia - ITOS, Geographic Information Support Team
URL: https://gist.itos.uga.edu/data/africa/countries/sudan/datasets/ym_lulc.zip
File Size (MB): 1.53 **Total Km:** **Scale:** unknown
Source Data: University of Georgia - ITOS
Method:
Notes: polygon
Distrib Constraints:
Use Constraints:

Region: Africa
Country: Sudan **Year Pub:** 2006
Data Set Title: SDN_GSS_11.shp
Originator: Government of Southern Sudan
Distributor: University of Georgia - ITOS, Geographic Information Support Team
URL: https://gist.itos.uga.edu/data/africa/countries/sudan/datasets/ye_lulc.zip
File Size (MB): 0.536 **Total Km:** **Scale:** unknown
Source Data: University of Georgia - ITOS
Method:
Notes: polygon
Distrib Constraints:
Use Constraints:

Region: Africa

Country: Sudan **Year Pub:** 2006

Data Set Title: SDN_DigitalGlobe_02.shp

Originator: DigitalGlobe

Distributor: University of Georgia - ITOS, Geographic Information Support Team

URL: https://gist.itos.uga.edu/data/africa/countries/sudan/datasets/roads_n.zip

File Size (MB): 0.313 **Total Km:** **Scale:** 1:10,000

Source Data: USAID/OFDA

Method: The lines were digitized from Digital Globe, Quickbird panchromatic imagery.

Notes:

Distrib Constraints:

Use Constraints:

Region: Africa

Country: Sudan **Year Pub:** 2006

Data Set Title: SDN_GSS_02.shp

Originator: Government of Southern Sudan

Distributor: University of Georgia - ITOS, Geographic Information Support Team

URL: https://gist.itos.uga.edu/data/africa/countries/sudan/datasets/be_lulc.zip

File Size (MB): 0.468 **Total Km:** **Scale:** unknown

Source Data: University of Georgia - ITOS

Method:

Notes: polygon

Distrib Constraints:

Use Constraints:

Region: Africa

Country: Sudan **Year Pub:** 2004

Data Set Title: SDN_USAID_05.shp

Originator: USAID/OFDA - Economic & Humanitarian Assistance

Distributor: University of Georgia - ITOS, Geographic Information Support Team

URL: https://gist.itos.uga.edu/data/africa/countries/sudan/datasets/ssu_road.zip

File Size (MB): 0.455 **Total Km:** **Scale:** unknown

Source Data:

Method:

Notes:

Distrib Constraints:

Use Constraints:

Region: Africa
Country: Sudan **Year Pub:** 2006
Data Set Title: SDN_SRSA_01.shp
Originator: Swedish Rescue Services Agency (SRSA)
Distributor: University of Georgia - ITOS, Geographic Information Support Team
URL: https://gist.itos.uga.edu/data/africa/countries/sudan/datasets/roads_assessment_sou
File Size (MB): 1.748 **Total Km:** **Scale:** unknown

Source Data:
Method:
Notes:
Distrib Constraints:
Use Constraints:

Region: Africa
Country: Sudan **Year Pub:** 2004
Data Set Title: SDN_USAID_04.shp
Originator: USAID/OFDA - Economic & Humanitarian Assistance
Distributor: University of Georgia - ITOS, Geographic Information Support Team
URL: https://gist.itos.uga.edu/data/africa/countries/sudan/datasets/roads_for750.zip
File Size (MB): 0.66 **Total Km:** **Scale:** unknown

Source Data:
Method:
Notes:
Distrib Constraints:
Use Constraints:

Region: Africa
Country: Sudan **Year Pub:** 2004
Data Set Title: SDN_USAID_03.shp
Originator: USAID/OFDA - Economic & Humanitarian Assistance
Distributor: University of Georgia - ITOS, Geographic Information Support Team
URL: <https://gist.itos.uga.edu/data/africa/countries/sudan/datasets/sudanroads.zip>
File Size (MB): 0.28 **Total Km:** **Scale:** unknown

Source Data:
Method:
Notes:
Distrib Constraints:
Use Constraints:

Region: Africa
Country: Sudan **Year Pub:** 2004
Data Set Title: SDN_USAID_02.shp
Originator: USAID/OFDA - Economic & Humanitarian Assistance
Distributor: University of Georgia - ITOS, Geographic Information Support Team
URL: <https://gist.itos.uga.edu/data/africa/countries/sudan/datasets/philsroads.zip>
File Size (MB): 0.243 **Total Km:** **Scale:** unknown
Source Data:
Method:
Notes:
Distrib Constraints:
Use Constraints:

Region: Africa
Country: Sudan **Year Pub:** 2006
Data Set Title: SDN_UNJLC_01.shp
Originator: United Nations Joint Logistics Centre (UNJLC)
Distributor: University of Georgia - ITOS, Geographic Information Support Team
URL: https://gist.itos.uga.edu/data/africa/countries/sudan/datasets/rds_jlc_20050118.zip
File Size (MB): 0.454 **Total Km:** **Scale:** 1:30-50,000
Source Data: USAID/OFDA
Method:
Notes:
Distrib Constraints:
Use Constraints:

Region: Africa
Country: Sudan **Year Pub:** 0
Data Set Title: SDN_ISCGM_01
Originator: International Steering Committee for Global Mapping (ISCGM)
Distributor: International Steering Committee for Global Mapping (ISCGM)
URL: <http://211.19.49.27/gmd/download/dl.php>
File Size (MB): 12.2 **Total Km:** 116026 **Scale:**
Source Data:
Method:
Notes:
Distrib Constraints:
Use Constraints: The Global Map of Sudan is free of charge for any purpose. However, if you intend to use the data for commercial purpose, you will need to show the credit "Global Map of

Sudan © ISCGM / Sudan National Survey Corporation" or logos on your product and send FAX to Sudan National Survey Corporation (+249-183-790-189) describing your contact information, particular dataset used and purpose of use.

Region: Africa
Country: Sudan **Year Pub:** 2004
Data Set Title: SDN_NGIA_01.shp
Originator: National Geospatial Intelligence Agency (NGIA)
Distributor: University of Georgia - ITOS, Geographic Information Support Team
URL: https://gist.itos.uga.edu/data/africa/countries/sudan/datasets/trackl_merge.zip
File Size (MB): 1.796 **Total Km:** **Scale:** unknown
Source Data: VMAP1/DCW
Method:
Notes:
Distrib Constraints:
Use Constraints:

Region: Africa
Country: Sudan **Year Pub:** 2004
Data Set Title: SDN_USAID_01.shp
Originator: USAID/OFDA - Economic & Humanitarian Assistance
Distributor: University of Georgia - ITOS, Geographic Information Support Team
URL: https://gist.itos.uga.edu/data/africa/countries/sudan/datasets/roads_for285.zip
File Size (MB): 0.202 **Total Km:** **Scale:** unknown
Source Data:
Method:
Notes:
Distrib Constraints:
Use Constraints:

Region: Africa
Country: Sudan **Year Pub:** 2003
Data Set Title: SDN_Africover_01
Originator: FAO Africover
Distributor: Mr. John Latham - FAO
URL: <http://www.africover.org>
File Size (MB): 0.371 **Total Km:** 18271 **Scale:** 1:100 000
Source Data: digitally enhanced LANDSAT TM images (Bands 4,3,2) acquired mainly in the year 1994-1999

Method: The roads have been produced from visual interpretation of digitally enhanced LANDSAT TM images (Bands 4,3,2) acquired mainly in the year 1994-1999.

Notes:

Distrib Constraints: Data can be accessed, reproduced, and distributed given that owner info is explicitly acknowledged and displayed in the copywrite information (I.E. Produced by FAO - Africover). Authors are not responsible for improper use of the data.

Use Constraints: See below. The Africover Data Sets are NOT for commercial or private use.

Region: Africa

Country: Sudan **Year Pub:** 2006

Data Set Title: SDN_NGIA_02.shp

Originator: National Geospatial Intelligence Agency (NGIA)

Distributor: University of Georgia - ITOS, Geographic Information Support Team

URL: <https://gist.itos.uga.edu/data/africa/countries/sudan/datasets/roadl.zip>

File Size (MB): 0.298 **Total Km:** **Scale:** unknown

Source Data: USAID/OFDA

Method:

Notes:

Distrib Constraints:

Use Constraints:

Region: Africa

Country: Sudan **Year Pub:** 0

Data Set Title: SDN_VMAP1_01.shp

Originator: US National Geospatial Intelligence Agency (NGIA) Vector Smart Map

Distributor:

URL:

File Size (MB): 2.84 **Total Km:** **Scale:**

Source Data: Vector Map Level 1 product resolution is based on 1:250,000 map scale source, i.e. 1cm=2.5km, and is 4 times the resolution of VMAP0. It is based primarily on the vectorized versions of 1:250,000 scale NIMA Joint Operations Graphics (JOGs) - nearly 10,000 sheets.

Method: The horizontal datum for this VMap product is WGS84. The vertical datum for this VMap product is mean sea level (MSL). The unit of measure for VMap is metric. The geographic extent of the VMap Level 1 product is global and consists of multiple regional databases. VMap Level 1 data from standard DMA source products are derived from the feature content defined in the associated military specification VMAP_89033 and allied appendix, available for download as .pdf files from NIMA Publications. Data gaps between a VMap Level 1 library may exist due to absence of data. VMap Level 1 products are organized into thematic layers. Each VMap thematic layer is stored as a single coverage within a VPF library. There are two reference coverages and ten thematic coverages in the data library level.

Notes: The approximate roads coverage is 15% of total national area. The metadata for SDN_VMAP1_01 is incomplete.

Distrib Constraints: these particular fragments of the VMAP1 database have no constraints (VMAP1a1new.pdf, 1)

Use Constraints:

Region: Africa

Country: Swaziland **Year Pub:** 0

Data Set Title: SWZ_ISCGM_01

Originator: International Steering Committee for Global Mapping (ISCGM)

Distributor: International Steering Committee for Global Mapping (ISCGM)

URL: <http://211.19.49.27/gmd/download/dl.php>

File Size (MB): 0.701 **Total Km:** 2889 **Scale:**

Source Data:

Method:

Notes:

Distrib Constraints:

Use Constraints: The Global Map of Swaziland is free of charge for any purpose. However, if you intend to use the data for commercial purpose, you will need to show the credit Global Map of Swaziland © ISCGM/Surveyor General's Department or logos on your product and send mail to sgd@realnet.co.sz describing your contact information, particular dataset used and purpose of use.

Region: Africa

Country: Swaziland **Year Pub:** 2004

Data Set Title: SWZ_PennState_01.shp

Originator: Penn State University

Distributor: University of Georgia - ITOS, Geographic Information Support Team

URL: <https://gist.itos.uga.edu/data/africa/countries/swaziland/datasets/rdline.zip>

File Size (MB): 0.023 **Total Km:** **Scale:** 1:1,000,000

Source Data: VMAP0/DCW

Method:

Notes:

Distrib Constraints:

Use Constraints:

Region: Africa

Country: Tanzania, United **Year Pub:** 2002

Data Set Title: TZA_Africover_01

Originator: FAO Africover

Distributor: John Latham - FAO
URL: <http://www.africover.org>
File Size (MB): 1.514 **Total Km:** 37713 **Scale:** 1:100 000
Source Data: digitally enhanced LANDSAT TM images (Bands 4,3,2) acquired mainly in the year 1997.
Method: The roads have been produced from visual interpretation of digitally enhanced LANDSAT TM images (Bands 4,3,2) acquired mainly in the year 1997.
Notes:
Distrib Constraints: Data can be accessed, reproduced, and distributed given that owner info is explicitly acknowledged and displayed in the copywrite information (I.E. Produced by FAO - Africover). Authors are not responsible for improper use of the data.
Use Constraints: See below. The Africover Data Sets are NOT for commercial or private use.

Region: **Africa**
Country: Tanzania, United **Year Pub:**
Data Set Title: TZA_SDRN_01
Originator:
Distributor: Sustainable Development Research Network (SDRN)
URL:
File Size (MB): 1.608 **Total Km:** 40514 **Scale:**

Source Data:
Method:
Notes: Almost identical to TZA_Africover_01 except for the addition of a few road segments and some stretches that seem to have more detail.
Distrib Constraints:
Use Constraints:

Region: **Africa**
Country: Tanzania, United **Year Pub:** 2004
Data Set Title: TZA_PennState_01.shp
Originator: Penn State University
Distributor: University of Georgia - ITOS, Geographic Information Support Team
URL: <https://gist.itos.uga.edu/data/africa/countries/tanzania/datasets/rdline.zip>
File Size (MB): 0.406 **Total Km:** **Scale:** 1:1,000,000
Source Data: VMAP0. Identical to AFRRoads with several additional segments
Method:
Notes:
Distrib Constraints:
Use Constraints:

Region: Africa
Country: Togo **Year Pub:** 2004
Data Set Title: TGO_PennState_01.shp
Originator: Penn State University
Distributor: University of Georgia - ITOS, Geographic Information Support Team
URL: <https://gist.itos.uga.edu/data/africa/countries/togo/datasets/rdline.zip>
File Size (MB): 0.048 **Total Km:** **Scale:** 1:1,000,000
Source Data: VMAP0/DCW
Method:
Notes:
Distrib Constraints:
Use Constraints:

Region: Africa
Country: Tunisia **Year Pub:** 2004
Data Set Title: TUN_PennState_01.shp
Originator: Penn State University
Distributor: University of Georgia - ITOS, Geographic Information Support Team
URL: <https://gist.itos.uga.edu/data/africa/countries/tunisia/datasets/rdline.zip>
File Size (MB): 0.069 **Total Km:** **Scale:** 1:1,000,000
Source Data: VMAP0/DCW
Method:
Notes:
Distrib Constraints:
Use Constraints:

Region: Africa
Country: Uganda **Year Pub:** 2002
Data Set Title: UGA_FAO_IGAD_LPI_01
Originator:
Distributor: IGAD FAO Livestock Policy Initiative Data Portal
URL: <http://ergodd.zoo.ox.ac.uk/igadweb/tiki-index.php>
File Size (MB): 0.23 **Total Km:** 18502 **Scale:**
Source Data:
Method:
Notes:
Distrib Constraints:
Use Constraints:

Region: Africa
Country: Uganda **Year Pub:** 2000
Data Set Title: UGA_FAO_IGAD_LPI_02
Originator: Department of Surveying and Mapping
Distributor: IGAD FAO Livestock Policy Initiative Data Portal
URL: <http://ergodd.zoo.ox.ac.uk/igadweb/tiki-index.php>
File Size (MB): 0.268 **Total Km:** 18519 **Scale:**
Source Data:
Method: derived from totographic map sheets (1960-1976) and generalized to 1 km x 1 km resolution
Notes:
Distrib Constraints:
Use Constraints:

Region: Africa
Country: Uganda **Year Pub:** 2008
Data Set Title: UGA_CARTONG_01.shp
Originator: CartONG
Distributor: University of Georgia - ITOS, Geographic Information Support Team
URL: https://gist.itos.uga.edu/data/africa/countries/uganda/datasets/acholi_roads_line_10
File Size (MB): 0.365 **Total Km:** **Scale:** 1:1,000,000
Source Data:
Method: The dataset was downloaded by ITOS from the following website:
http://www.cartong.org/index.php?option=com_remository&Itemid=106
Notes:
Distrib Constraints:
Use Constraints:

Region: Africa
Country: Uganda **Year Pub:** 2004
Data Set Title: UGA_PennState_01.shp
Originator: Penn State University
Distributor: University of Georgia - ITOS, Geographic Information Support Team
URL: <https://gist.itos.uga.edu/data/africa/countries/uganda/datasets/rdline.zip>
File Size (MB): 0.133 **Total Km:** **Scale:** 1:1,000,000
Source Data: VMAPO/DCW
Method:
Notes:
Distrib Constraints:

Use Constraints:

Region: Africa

Country: Western Sahara **Year Pub:** 2004

Data Set Title: ESH_PennState_01.shp

Originator: Penn State University

Distributor: University of Georgia - ITOS, Geographic Information Support Team

URL: https://gist.itos.uga.edu/data/africa/countries/western_sahara/datasets/rdline.zip

File Size (MB): 0.042 **Total Km:** **Scale:** 1:1,000,000

Source Data: VMAPO/DCW

Method:

Notes:

Distrib Constraints:

Use Constraints:

Region: Africa

Country: Democratic Republic **Year Pub:** 0

Data Set Title: COD_ISCGM_01

Originator: International Steering Committee for Global Mapping (ISCGM)

Distributor: International Steering Committee for Global Mapping (ISCGM)

URL: <http://211.19.49.27/gmd/download/dl.php>

File Size (MB): 2.73 **Total Km:** 95693 **Scale:**

Source Data:

Method:

Notes:

Distrib Constraints:

Use Constraints: The Democratic Republic of the Congo (DRC) confirms its participation in the Global Mapping project and in doing so release this data for inclusion in Global Map for distribution for non-commercial purpose at no cost. No copyright charges will be made on this data.

However, if you intend to use the Global Map of DRC for commercial purpose, you will need to get permission from Geographic Institute of Congo of DRC, e-mail : instgcom@yahoo.fr .

Any unauthorized use of the data for any commercial purposes is in violation of international copyright laws and is strictly forbidden.

Region: Africa

Country: Democratic Republic **Year Pub:** 2008

Data Set Title: COD_OCHA-DRC_01.shp

Originator: UN Office for the Coordination of Humanitarian Affairs (OCHA) -

Distributor: University of Georgia - ITOS, Geographic Information Support Team
URL: https://gist.itos.uga.edu/data/africa/countries/democratic_republic_of_the_congo/dat
File Size (MB): 2.221 **Total Km:** **Scale:** unknown
Source Data: CARPE
Method:
Notes: Layer file (route_polyligne) included
Distrib Constraints:
Use Constraints:

Region: Africa
Country: Democratic Republic **Year Pub:** 2006
Data Set Title: COD_DRCGIS_01.shp
Originator: DRC GIS Working Group
Distributor: University of Georgia - ITOS, Geographic Information Support Team
URL: https://gist.itos.uga.edu/data/africa/countries/democratic_republic_of_the_congo/dat
File Size (MB): 2.198 **Total Km:** **Scale:** 1:1,000,000
Source Data: UNJLC
Method:
Notes:
Distrib Constraints:
Use Constraints:

Region: Africa
Country: Democratic Republic **Year Pub:** 2004
Data Set Title: COD_PennState_01.shp
Originator: Penn State University
Distributor: University of Georgia - ITOS, Geographic Information Support Team
URL: https://gist.itos.uga.edu/data/africa/countries/democratic_republic_of_the_congo/dat
File Size (MB): 1.405 **Total Km:** **Scale:** 1:1,000,000
Source Data: VMAPO/DCW
Method:
Notes:
Distrib Constraints:
Use Constraints:

Region: Africa
Country: Democratic Republic **Year Pub:** 2003
Data Set Title: COD_Africover_01

Originator: FAO Africover
Distributor: Mr. John Latham - FAO
URL: <http://www.africover.org>
File Size (MB): 8.251 **Total Km:** 157064 **Scale:** 1:200 000
Source Data: The roads have been taken from the DCW dataset.
Method: The roads have been taken from the DCW dataset.
Notes:
Distrib Constraints: Data can be accessed, reproduced, and distributed given that owner info is explicitly acknowledged and displayed in the copywrite information (I.E. Produced by FAO - Africover). Authors are not responsible for improper use of the data.
Use Constraints: The data remains full property of the owners. It can be accessed, reproduced and distributed given that the owner information is explicitly acknowledged and displayed in the copyright information (I.E. Produced by FAO - Africover).

Region: **Africa**
Country: Democratic Republic **Year Pub:** 2004
Data Set Title: COD_NGIA_01.shp
Originator: US National Geospatial Intelligence Agency (NGIA) Vector Smart Map
Distributor: University of Georgia - ITOS, Geographic Information Support Team
URL: https://gist.itos.uga.edu/data/africa/countries/sudan/datasets/trail_merge.zip
File Size (MB): 0.55 **Total Km:** **Scale:** unknown
Source Data: USAID/OFDA
Method:
Notes:
Distrib Constraints:
Use Constraints:

Region: **Africa**
Country: Zambia **Year Pub:** 2004
Data Set Title: ZMB_PennState_01.shp
Originator: Penn State University
Distributor: University of Georgia - ITOS, Geographic Information Support Team
URL: <https://gist.itos.uga.edu/data/africa/countries/zambia/datasets/rdline.zip>
File Size (MB): **Total Km:** **Scale:** 1:1,000,000
Source Data: VMAP0/DCW
Method:
Notes:
Distrib Constraints:
Use Constraints:

Region: Africa

Country: Zambia **Year Pub:** 0

Data Set Title: ZMB_CGIAR_01

Originator: SAHIMS

Distributor: Consultative Group on International Agricultural Research (CGIAR)

URL:

File Size (MB): 0.047 **Total Km:** 4301 **Scale:**

Source Data:

Method:

Notes:

Distrib Constraints:

Use Constraints:

Region: Africa

Country: Zambia **Year Pub:** 0

Data Set Title: ZMB_CGIAR_02

Originator: SAHIMS

Distributor: University of Georgia - ITOS, Geographic Information Support Team

URL: https://gist.itos.uga.edu/data/eurasia/countries/yemen/datasets/roads_yemen.zip

File Size (MB): 0.436 **Total Km:** 37237 **Scale:** unknown

Source Data:

Method:

Notes:

Distrib Constraints:

Use Constraints:

Region: Africa

Country: Zimbabwe **Year Pub:** 2004

Data Set Title: ZWE_NGIA_01.shp

Originator: National Geospatial Intelligence Agency (NGIA)

Distributor: University of Georgia - ITOS, Geographic Information Support Team

URL: <https://gist.itos.uga.edu/data/africa/countries/zimbabwe/datasets/road.zip>

File Size (MB): 0.388 **Total Km:** **Scale:** unknown

Source Data: This appears to be VMAPO data with a few additional roads added.

Method:

Notes:

Distrib Constraints:

Use Constraints:

Region: Africa

Country: Zimbabwe **Year Pub:** 2004

Data Set Title: ZWE_PennState_01.shp

Originator: Penn State University

Distributor: University of Georgia - ITOS, Geographic Information Support Team

URL: <https://gist.itos.uga.edu/data/africa/countries/zimbabwe/datasets/rdline.zip>

File Size (MB): 0.233 **Total Km:** **Scale:** 1:1,000,000

Source Data: This appears to be VMAP0 data with additional roads added.

Method:

Notes: This is more complete than ZWE_NGIA_01.shp, but the accuracy against Google Earth is still pretty low.

Distrib Constraints:

Use Constraints:

Region: Americas

Country: Argentina **Year Pub:** 0

Data Set Title: ARG_ISCGM_01

Originator: International Steering Committee for Global Mapping (ISCGM)

Distributor: International Steering Committee for Global Mapping (ISCGM)

URL: <http://211.19.49.27/gmd/download/dl.php>

File Size (MB): 15.181 **Total Km:** 129448 **Scale:** 1:250,000

Source Data:

Method:

Notes:

Distrib Constraints:

Use Constraints: If you intend to use the Global Map of Argentina for commercial purpose, you will need to get permission from Instituto Geografico Militar. Please contact Instituto Geografico Militar de Argentina at dir@igm.gov.ar. Any unauthorized use of the data for any commercial purposes is in violation of international copyright laws and is strictly forbidden.

Region: Americas

Country: Argentina **Year Pub:** 1995

Data Set Title: ARG_CIAT_01

Originator: Centro Internacional de Agricultura Tropical (CIAT)

Distributor: Centro Internacional de Agricultura Tropical (CIAT)

URL:

File Size (MB): 1.933 **Total Km:** **Scale:** 1:500,000

Source Data: REPÚBLICA DE ARGENTINA

Method: La fuente original fue tomada del DCW. Los campos fueron introducidos con

información de los mapas fuentes de cada país (ver anexo), En algunos casos la información del DCW no coincidía con los mapas fuentes, razón para digitalizar algunas vías y actualizar los datos de DCW.

Los datos cuyo valor equivalen a 9 corresponden a información no encontrada en los mapas fuentes, pero sí en el DCW, quedando como SIN INFORMACION.

Notes:

Distrib Constraints:

Use Constraints: Este juego de datos es para el uso exclusivo del personal de CIAT. El uso externo debe ser autorizado por el jefe del laboratorio SIG de CIAT

Region: Americas

Country: Argentina **Year Pub:** 1999

Data Set Title: ARG_GeologicService_01

Originator: SISTEMA GEOGRAFICO DE INFRAESTRUCTURA DE LA REPUBLICA

Distributor: The Nature Conservancy (TNC)

URL:

File Size (MB): 6.114 **Total Km:** 279244 **Scale:** 1:500,000

Source Data:

Method: La información ha sido digitalizada a partir de la base IGM 1:500.000, actualizada con cartografía disponible del Automóvil Club Argentino, y fuentes de datos públicas y disponibles de la Secretaría de Energía.

Notes:

Distrib Constraints:

Use Constraints: Users are prohibited from any commercial, non-free resale, or redistribution without explicit written permission from TNC. Users should acknowledge TNC as the source used in the creation of any reports, publications, new data sets, derived products, or services resulting from the use of this data set. TNC also request reprints of any publications and notification of any redistributing efforts

Region: Americas

Country: Belize **Year Pub:** 0

Data Set Title: BLZ_ISCGM_01

Originator: International Steering Committee for Global Mapping (ISCGM)

Distributor: International Steering Committee for Global Mapping (ISCGM)

URL: <http://211.19.49.27/gmd/download/dl.php>

File Size (MB): 9.319 **Total Km:** **Scale:**

Source Data:

Method:

Notes:

Distrib Constraints:

Use Constraints: The global Map of Belize is free of charge for any purpose related to the Global

Mapping project only.

However, if you intent to use the Belize's data for commercial purpose, you will need to get permission/approval from the Commissioner of Land and Surveys, Lands and Surveys Department, Ministry of Natural Resources and Environment before using the dataset(s). You also need to show the credit "Global Map of Belize copyright ISCGM, and our logos on your final product. Please email us your contact information, particular data set that you will use and purpose of use.

Region: Americas

Country: Bolivia

Year Pub: 1989

Data Set Title: BOL_CIAT_01

Originator: Centro Internacional de Agricultura Tropical (CIAT)

Distributor: Centro Internacional de Agricultura Tropical (CIAT)

URL:

File Size (MB): 0.471

Total Km:

Scale: 1:2,000,000

Source Data: BOLIVIA RED-VIAL

Method: La fuente original fue tomada del DCW. Los campos fueron introducidos con información de los mapas fuentes de cada país (ver anexo), En algunos casos la información del DCW no coincidía con los mapas fuentes, razón para digitalizar algunas vías y actualizar los datos de DCW.

Los datos cuyo valor equivalen a 9 corresponden a información no encontrada en los mapas fuentes, pero sí en el DCW, quedando como SIN INFORMACION.

Notes:

Distrib Constraints:

Use Constraints:

Region: Americas

Country: Brazil

Year Pub: 0

Data Set Title: BRA_ISCGM_01

Originator: International Steering Committee for Global Mapping (ISCGM)

Distributor: International Steering Committee for Global Mapping (ISCGM)

URL: <http://211.19.49.27/gmd/download/dl.php>

File Size (MB): 107.229

Total Km: 554047

Scale:

Source Data:

Method:

Notes:

Distrib Constraints:

Use Constraints: The Global Map of Brazil is free of charge for any purpose and for each reproduction of material the source of the data must be acknowledged. However, if you intend to use the data for commercial purpose, you will need to get a license from IBGE. Please Jump to for licensing.

Region: Americas

Country: Brazil

Year Pub: 1980

Data Set Title: BRA_CIAT_01

Originator: Centro Internacional de Agricultura Tropical (CIAT)

Distributor: Centro Internacional de Agricultura Tropical (CIAT)

URL:

File Size (MB): 4.67

Total Km:

Scale: 1:5,000,000

Source Data: REPUBLICA FEDERATIVE DO BRASIL

Method: La fuente original fue tomada del DCW. Los campos fueron introducidos con información de los mapas fuentes de cada país (ver anexo), En algunos casos la información del DCW no coincidía con los mapas fuentes, razón para digitalizar algunas vías y actualizar los datos de DCW.

Los datos cuyo valor equivalen a 9 corresponden a información no encontrada en los mapas fuentes, pero sí en el DCW, quedando como SIN INFORMACION.

Notes:

Distrib Constraints:

Use Constraints:

Region: Americas

Country: Brazil

Year Pub: 0

Data Set Title: BRA_VMAP1_01.shp

Originator: US National Geospatial Intelligence Agency (NGIA) Vector Smart Map

Distributor:

URL:

File Size (MB): 34.506

Total Km:

Scale:

Source Data: Vector Map Level 1 product resolution is based on 1:250,000 map scale source, i.e. 1cm=2.5km, and is 4 times the resolution of VMAP0. It is based primarily on the vectorized versions of 1:250,000 scale NIMA Joint Operations Graphics (JOGs) - nearly 10,000 sheets.

Method: The horizontal datum for this VMap product is WGS84. The vertical datum for this VMap product is mean sea level (MSL). The unit of measure for VMap is metric. The geographic extent of the VMap Level 1 product is global and consists of multiple regional databases. VMap Level 1 data from standard DMA source products are derived from the feature content defined in the associated military specification VMAP_89033 and allied appendix, available for download as .pdf files from NIMA Publications. Data gaps between a VMap Level 1 library may exist due to absence of data. VMap Level 1 products are organized into thematic layers. Each VMap thematic layer is stored as a single coverage within a VPF library. There are two reference coverages and ten thematic coverages in the data library level.

Notes: The approximate roads coverage is 30% of total national area. The metadata for BRA_VMAP1_01 are incomplete.

Distrib Constraints: these particular fragments of the VMAP1 database have no constraints (VMAP1a1new.pdf, 1)

Use Constraints:

Region: Americas

Country: Canada **Year Pub:** 2008

Data Set Title: Atlas of Canada 1,000 00, Roads Network

Originator: Government of Canada, Natural Resources Canada, Canada Centre for

Distributor:

URL:

File Size (MB): 11.5 **Total Km:** **Scale:** 1:1,000,000

Source Data: The Atlas of Canada 1,000,000 National Frameworks Data, Road Network is based on 1:250,000 scale National Topographic Data Base (NTDB) road and ferry route datasets which have been assembled into a national coverage and updated using various reference sources.

Method: A selection of the network suitable for use at a scale of 1:1,000,000 was extracted based on road classification and linework was smoothed. In 2003 the resulting road network layer was fitted to the Atlas of Canada National Scale Frameworks Hydrology layers. Minor adjustments were made to ensure that the correct relative positionality of this layer to the National Scale Frameworks Rail Network layer was maintained. An update to the data set was completed in 2008.

Notes:

Distrib Constraints: The User may sell, lease, distribute and sublicense the Data contained in derived works and products referred to in Section 3. Data is not licensed for redistribution via the Internet without modification as noted in Section 3. Users are encouraged to come to the originating source to access the most current version of the data

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- 3.1.2. Select or arrange all of, or portions or features from these Data; and
- 3.1.3. Process, analyse or otherwise use these Data in the development of derived products;

Region: Americas

Country: Canada **Year Pub:** 2007

Data Set Title: CAN_ISCGM_01

Originator: Natural Resources Canada

Distributor: ISCGM, Natural Resources Canda (GeoGratis)

URL: <http://www.geogratis.gc.ca/download/frameworkdata/roads/>

File Size (MB): 54.783 **Total Km:** 198459 **Scale:** 1:1,000,000

Source Data: Government of Canada, Natural Resources Canada, Canada Centre for Remote Sensing, The Atlas of Canada;

Source data available at GeoGratis (www.geogratis.gc.ca)

Method:

Based on 1:250,000 scale National Topographic Data Base (NTDB) road and ferry route datasets which have been assembled into a national coverage and updated using various reference sources. A selection of the network suitable for use at a scale of 1:1,000,000 was extracted based on road classification and linework was smoothed. In 2003 the resulting road network layer was fitted to the Atlas of Canada National Scale Frameworks Hydrology layers. Minor adjustments were made to ensure that the correct relative positionality of this layer to the National Scale Frameworks Rail Network layer was maintained. An update to the data set was completed in 2008.

Notes:

updated versions can be download from GeoGratis, the version downloaded from ISCGM seems to be from 2007

Distrib Constraints:

Use Constraints:

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Region:

Americas

Country:

Chile

Year Pub:

0

Data Set Title:

CHL_ISCGM_02

Originator:

International Steering Committee for Global Mapping (ISCGM)

Distributor:

International Steering Committee for Global Mapping (ISCGM)

URL:

<http://211.19.49.27/gmd/download/dl.php>

File Size (MB): 5.75

Total Km:

Scale:

Source Data:

Method:



Notes:

Distrib Constraints:

Use Constraints:

The author and producer of the Global Map of Chile is the Military Geographic Institute of Chile (IGM), which is the official cartographic and mapping agency of the Republic of Chile and which represents Chile in the Global Mapping projects of the ISCGM.

The Global Map of Chile is free of charge for any purpose. However, if you intend to use the data for commercial purpose, you will need to do the following :

(1) Either show the credit gGlobal Map of Chile © International Steering Committee for Global Mapping / Instituto Geografico Militar de Chile h or show both ISCGM and IGM logos on your product.

(2) Send mail to clientes@igm.cl with copy to ehunt@igm.cl describing your contact information, particular dataset used and purpose of use; this will be received by the

Region:

Americas

Country:

Chile

Year Pub:

1995

Data Set Title: CHL_CIAT_01
Originator: Centro Internacional de Agricultura Tropical (CIAT)
Distributor: Centro Internacional de Agricultura Tropical (CIAT)
URL:

File Size (MB): 0.619 **Total Km:** **Scale:** 1:2,500,000

Source Data: REPÚBLICA DE ARGENTINA
Method: La fuente original fue tomada del DCW. Los campos fueron introducidos con información de los mapas fuentes de cada país (ver anexo), En algunos casos la información del DCW no coincidía con los mapas fuentes, razón para digitalizar algunas vías y actualizar los datos de DCW.
 Los datos cuyo valor equivalen a 9 corresponden a información no encontrada en los mapas fuentes, pero sí en el DCW, quedando como SIN INFORMACION.



Notes:
Distrib Constraints:
Use Constraints:

Region: **Americas**

Country: Chile **Year Pub:** 0
Data Set Title: CHL_ISCGM_01
Originator: International Steering Committee for Global Mapping (ISCGM)
Distributor: International Steering Committee for Global Mapping (ISCGM)
URL: <http://211.19.49.27/gmd/download/dl.php>
File Size (MB): 21.009 **Total Km:** **Scale:**

Source Data:
Method:
Notes:
Distrib Constraints:
Use Constraints:

The author and producer of the Global Map of Chile is the Military Geographic Institute of Chile (IGM), which is the official cartographic and mapping agency of the Republic of Chile and which represents Chile in the Global Mapping projects of the ISCGM. The Global Map of Chile is free of charge for any purpose. However, if you intend to use the data for commercial purpose, you will need to do the following :

(1) Either show the credit  Global Map of Chile © International Steering Committee for Global Mapping / Instituto Geografico Militar de Chile  or show both ISCGM and IGM logos on your product.
 (2) Send mail to clientes@igm.cl with copy to ehunt@igm.cl describing your contact information, particular dataset used and purpose of use; this will be received by the

Region: **Americas**

Country: Colombia **Year Pub:** 0
Data Set Title: COL_CIAT_01

Originator: Centro Internacional de Agricultura Tropical (CIAT)
Distributor: Centro Internacional de Agricultura Tropical (CIAT)
URL:

File Size (MB): 1.075 **Total Km:** **Scale:** 1:1,500,000

Source Data: MAPA DE LA DISTRIBUCION DE BRILLO SOLAR
PROMEDIO ANUAL
ISOHELIAS EN HORAS
PRIMERA EDICION

Method: La fuente original fue tomada del DCW. Los campos fueron introducidos con información de los mapas fuentes de cada país (ver anexo), En algunos casos la información del DCW no coincidía con los mapas fuentes, razón para digitalizar algunas vías y actualizar los datos de DCW.
Los datos cuyo valor equivalen a 9 corresponden a información no encontrada en los mapas fuentes, pero sí en el DCW, quedando como SIN INFORMACION.

Notes:

Distrib Constraints:

Use Constraints:

Region: Americas

Country: Colombia **Year Pub:** 0

Data Set Title: COL_ISCGM_01

Originator: International Steering Committee for Global Mapping (ISCGM)

Distributor: International Steering Committee for Global Mapping (ISCGM)

URL: <http://211.19.49.27/gmd/download/dl.php>

File Size (MB): 16.976 **Total Km:** 59320 **Scale:**

Source Data:

Method:

Notes:

Distrib Constraints:

Use Constraints: Commercial use of Global Map Colombia is not permitted. For more detail, please contact Agustin Codazzi, Geographic Institute (IGAC).

Region: Americas

Country: Costa Rica **Year Pub:** 0

Data Set Title: CRI_VMAP1_01.shp

Originator: US National Geospatial Intelligence Agency (NGIA) Vector Smart Map

Distributor:

URL:

File Size (MB): 0.69 **Total Km:** **Scale:**

Source Data: Vector Map Level 1 product resolution is based on 1:250,000 map scale source, i.e. 1cm=2.5km, and is 4 times the resolution of VMAP0. It is based primarily on the

vectorized versions of 1:250,000 scale NIMA Joint Operations Graphics (JOGs) - nearly 10,000 sheets.

Method: The horizontal datum for this VMap product is WGS84. The vertical datum for this VMap product is mean sea level (MSL). The unit of measure for VMap is metric. The geographic extent of the VMap Level 1 product is global and consists of multiple regional databases. VMap Level 1 data from standard DMA source products are derived from the feature content defined in the associated military specification VMAP_89033 and allied appendix, available for download as .pdf files from NIMA Publications. Data gaps between a VMap Level 1 library may exist due to absence of data. VMap Level 1 products are organized into thematic layers. Each VMap thematic layer is stored as a single coverage within a VPF library. There are two reference coverages and ten thematic coverages in the data library level.

Notes: The approximate roads coverage is 55-60% of total national area. The metadata for CRI_VMAP1_01 are incomplete.

Distrib Constraints: these particular fragments of the VMAP1 database have no constraints (VMAP1a1new.pdf, 1)

Use Constraints:

Region: Americas

Country: Costa Rica **Year Pub:** 1987

Data Set Title: CRI_CIAT_01

Originator: Centro Internacional de Agricultura Tropical (CIAT)

Distributor: Centro Internacional de Agricultura Tropical (CIAT)

URL:

File Size (MB): 0.468 **Total Km:** **Scale:** 1:500,000

Source Data: MAPA FISICO-POLITICO

Method: La fuente original fue tomada del DCW. Los campos fueron introducidos con información de los mapas fuentes de cada país (ver anexo), En algunos casos la información del DCW no coincidía con los mapas fuentes, razón para digitalizar algunas vías y actualizar los datos de DCW.

Los datos cuyo valor equivalen a 9 corresponden a información no encontrada en los mapas fuentes, pero sí en el DCW, quedando como SIN INFORMACION.

Notes:

Distrib Constraints:

Use Constraints:

Region: Americas

Country: Cuba **Year Pub:** 0

Data Set Title: CUB_ISCGM_01

Originator: International Steering Committee for Global Mapping (ISCGM)

Distributor: International Steering Committee for Global Mapping (ISCGM)

URL: <http://211.19.49.27/gmd/download/dl.php>

get permission from Oficina Nacional de Hidrografia y Geodesia (ONHG). Please contact ONHG at onhg@enet.cu Any unauthorized use of the data for any commercial purposes is in violation of international copyright laws and is strictly forbidden.

Region: Americas

Country: Dominica **Year Pub:** 0

Data Set Title: DMA_ISCGM_02

Originator: International Steering Committee for Global Mapping (ISCGM)

Distributor: International Steering Committee for Global Mapping (ISCGM)

URL: <http://211.19.49.27/gmd/download/dl.php>

File Size (MB): 0.466 **Total Km:** **Scale:**

Source Data:

Method:

Notes:

Distrib Constraints:

Use Constraints: If you intend to use the Global Map of Dominica for commercial purpose, you will need to get permission from Lands and Surveys Division. Please contact landsandsurveys@cwdom.dm
Any unauthorized use of the data for any commercial purposes is in violation of international copyright laws and strictly forbidden.

Region: Americas

Country: Dominica **Year Pub:** 0

Data Set Title: DMA_ISCGM_01

Originator: International Steering Committee for Global Mapping (ISCGM)

Distributor: International Steering Committee for Global Mapping (ISCGM)

URL: <http://211.19.49.27/gmd/download/dl.php>

File Size (MB): 1.259 **Total Km:** **Scale:**

Source Data:

Method:

Notes:

Distrib Constraints:

Use Constraints: If you intend to use the Global Map of Dominica for commercial purpose, you will need to get permission from Lands and Surveys Division. Please contact landsandsurveys@cwdom.dm
Any unauthorized use of the data for any commercial purposes is in violation of international copyright laws and strictly forbidden.

Region: Americas

Country: Dominican Republic **Year Pub:** 1985

Data Set Title: DOM_CIAT_01

Originator: Centro Internacional de Agricultura Tropical (CIAT)

Distributor: Centro Internacional de Agricultura Tropical (CIAT)

URL:

File Size (MB): 0.216 **Total Km:** **Scale:** 1:600,000

Source Data: MAPA DE LA REPUBLICA DOMINICANA

Method: La fuente original fue tomada del DCW. Los campos fueron introducidos con información de los mapas fuentes de cada país (ver anexo), En algunos casos la información del DCW no coincidía con los mapas fuentes, razón para digitalizar algunas vías y actualizar los datos de DCW.

Los datos cuyo valor equivalen a 9 corresponden a información no encontrada en los mapas fuentes, pero sí en el DCW, quedando como SIN INFORMACION.

Notes:

Distrib Constraints:

Use Constraints:

Region: Americas

Country: Ecuador

Year Pub: 1988

Data Set Title: ECU_CIAT_01

Originator: Centro Internacional de Agricultura Tropical (CIAT)

Distributor: Centro Internacional de Agricultura Tropical (CIAT)

URL:

File Size (MB): 0.377 **Total Km:** **Scale:** 1:2,000,000

Source Data: MAPA VIAL - TURISTICO DEL ECUADOR INSTITUTO GEOGRAFICO MILITAR

Method: La fuente original fue tomada del DCW. Los campos fueron introducidos con información de los mapas fuentes de cada país (ver anexo), En algunos casos la información del DCW no coincidía con los mapas fuentes, razón para digitalizar algunas vías y actualizar los datos de DCW.

Los datos cuyo valor equivalen a 9 corresponden a información no encontrada en los mapas fuentes, pero sí en el DCW, quedando como SIN INFORMACION.

Notes:

Distrib Constraints:

Use Constraints:

Region: Americas

Country: El Salvador

Year Pub: 1984

Data Set Title: SLV_CIAT_01

Originator: Centro Internacional de Agricultura Tropical (CIAT)

Distributor: Centro Internacional de Agricultura Tropical (CIAT)

URL:

File Size (MB): 1.632 **Total Km:** **Scale:** 1:200,000

Source Data: REPUBLICA DE EL SALVADOR MINISTERIO DE OBRAS PUBLICAS

Method: La fuente original fue tomada del DCW. Los campos fueron introducidos con información de los mapas fuentes de cada país (ver anexo), En algunos casos la información del DCW no coincidía con los mapas fuentes, razón para digitalizar algunas vías y actualizar los datos de DCW.
Los datos cuyo valor equivalen a 9 corresponden a información no encontrada en los mapas fuentes, pero sí en el DCW, quedando como SIN INFORMACION.

Notes:

Distrib Constraints:

Use Constraints:

Region: Americas

Country: French Guiana

Year Pub: 1995

Data Set Title: GUF_CIAI_01

Originator: Centro Internacional de Agricultura Tropical (CIAT)

Distributor: Centro Internacional de Agricultura Tropical (CIAT)

URL:

File Size (MB): 0.042

Total Km:

Scale: 1:1,500,000

Source Data: COMITE DE BASSIN GUYANE
SDAGE GUYANE
COMMUNES ET TERRITOIRES

Method: La fuente original fue tomada del DCW. Los campos fueron introducidos con información de los mapas fuentes de cada país (ver anexo), En algunos casos la información del DCW no coincidía con los mapas fuentes, razón para digitalizar algunas vías y actualizar los datos de DCW.
Los datos cuyo valor equivalen a 9 corresponden a información no encontrada en los mapas fuentes, pero sí en el DCW, quedando como SIN INFORMACION.

Notes:

Distrib Constraints:

Use Constraints:

Region: Americas

Country: Guatemala

Year Pub: 0

Data Set Title: GTM_ISCGM_01

Originator: International Steering Committee for Global Mapping (ISCGM)

Distributor: International Steering Committee for Global Mapping (ISCGM)

URL: <http://211.19.49.27/gmd/download/dl.php>

File Size (MB): 16.53

Total Km: 20045

Scale:

Source Data:

Method:

Notes:

Distrib Constraints:

Use Constraints: If you intend to use the Global Map of Guatemala for commercial purpose, you will need to get permission from Instituto Geografico Nacional, Ing. Alfredo Obiols Gomez, Please contact at ign@ign.gob.gt email address.

Region: Americas

Country: Guatemala **Year Pub:** 1979

Data Set Title: GTM_CIAT_01

Originator: Centro Internacional de Agricultura Tropical (CIAT)

Distributor: Centro Internacional de Agricultura Tropical (CIAT)

URL:

File Size (MB): 0.364 **Total Km:** **Scale:** 1:1,000,000

Source Data: MAPA DE LA REPUBLICA DE GUATEMALA

Method: La fuente original fue tomada del DCW. Los campos fueron introducidos con información de los mapas fuentes de cada país (ver anexo), En algunos casos la información del DCW no coincidía con los mapas fuentes, razón para digitalizar algunas vías y actualizar los datos de DCW.

Los datos cuyo valor equivalen a 9 corresponden a información no encontrada en los mapas fuentes, pero sí en el DCW, quedando como SIN INFORMACION.

Notes:

Distrib Constraints:

Use Constraints:

Region: Americas

Country: Guyana **Year Pub:** 1976

Data Set Title: GUY_CIAT_01

Originator: Centro Internacional de Agricultura Tropical (CIAT)

Distributor: Centro Internacional de Agricultura Tropical (CIAT)

URL:

File Size (MB): 0.07 **Total Km:** **Scale:** 1:1,000,000

Source Data: RESOURCE MAP CO-OPERATIVE REPUBLIC OF GUYANA

Method: La fuente original fue tomada del DCW. Los campos fueron introducidos con información de los mapas fuentes de cada país (ver anexo), En algunos casos la información del DCW no coincidía con los mapas fuentes, razón para digitalizar algunas vías y actualizar los datos de DCW.

Los datos cuyo valor equivalen a 9 corresponden a información no encontrada en los mapas fuentes, pero sí en el DCW, quedando como SIN INFORMACION.

Notes:

Distrib Constraints:

Use Constraints:

Region: Americas

Country: Haiti **Year Pub:** 1983
Data Set Title: HTI_CIAT_01
Originator: Centro Internacional de Agricultura Tropical (CIAT)
Distributor: Centro Internacional de Agricultura Tropical (CIAT)

URL:
File Size (MB): 0.049 **Total Km:** **Scale:** 1:300,000

Source Data: CARTE DE LA REPUBLIQUE D'HAITI
Method: La fuente original fue tomada del DCW. Los campos fueron introducidos con información de los mapas fuentes de cada país (ver anexo), En algunos casos la información del DCW no coincidía con los mapas fuentes, razón para digitalizar algunas vías y actualizar los datos de DCW.
Los datos cuyo valor equivalen a 9 corresponden a información no encontrada en los mapas fuentes, pero sí en el DCW, quedando como SIN INFORMACION.

Notes:

Distrib Constraints:

Use Constraints:

Region: Americas

Country: Haiti **Year Pub:** 2006
Data Set Title: HTI_TNC_01.shp
Originator: The Nature Conservancy
Distributor: The Nature Conservancy, RSGIS Lab Utah State University, Logan,
URL: not applicable

File Size (MB): 0.879 **Total Km:** **Scale:**

Source Data: The Nature Conservancy

Method: It is not specified

Notes: This data was provided by Steve Schill from the Nature Conservancy, Mesoamerica and the Caribbean Region.

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Region: Americas

Country: Haiti **Year Pub:** 2008

Data Set Title: HTI_UNJLC_01.kmz

Originator: United Nations Joint Logistics Centre (UNJLC)

Distributor: University of Georgia - ITOS, Geographic Information Support Team

URL: https://gist.itos.uga.edu/data/americas/countries/haiti/datasets/unsdit_roads_ht08a_

File Size (MB): 0.826 **Total Km:** **Scale:** unknown

Source Data: CartONG derived

Method:

Notes:

Distrib Constraints:

Use Constraints:

Region: Americas

Country: Honduras **Year Pub:** 1997

Data Set Title: HND_CIAT_01

Originator: Centro Internacional de Agricultura Tropical (CIAT)

Distributor: Centro Internacional de Agricultura Tropical (CIAT)

URL:

File Size (MB): 0.494 **Total Km:** **Scale:** 1:500,000

Source Data: REPUBLICA DE HONDURAS

Method: La fuente original fue tomada del DCW. Los campos fueron introducidos con información de los mapas fuentes de cada país (ver anexo), En algunos casos la información del DCW no coincidía con los mapas fuentes, razón para digitalizar algunas vías y actualizar los datos de DCW.

Los datos cuyo valor equivalen a 9 corresponden a información no encontrada en los mapas fuentes, pero sí en el DCW, quedando como SIN INFORMACION.

Notes:

Distrib Constraints:

Use Constraints:

Region: Americas

Country: Honduras **Year Pub:** 0

Data Set Title: HND_ISCGM_01
Originator: International Steering Committee for Global Mapping (ISCGM)
Distributor: International Steering Committee for Global Mapping (ISCGM)
URL: <http://211.19.49.27/gmd/download/dl.php>
File Size (MB): 0.478 **Total Km:** **Scale:**

Source Data:

Method:

Notes:

Distrib Constraints:

Use Constraints: The Global Map of Honduras is free of charge for any purpose. However, if you intend to use the data for commercial purpose, you will need to show the credit "Global Map of Honduras © ISCGM/Direccion General de Catastro y Geografia, General Direction for Cadastre and Geography" or logos on your product and send mail to (dgcghonduras@yahoo.com) describing your contact information, particular dataset used and purpose of use

Region: **Americas**

Country: Jamaica **Year Pub:** 1982

Data Set Title: JAM_CIAT_01

Originator: Centro Internacional de Agricultura Tropical (CIAT)

Distributor: Centro Internacional de Agricultura Tropical (CIAT)

URL:
File Size (MB): 0.793 **Total Km:** **Scale:** 1:250,000

Source Data: JAMAICA

Method: La fuente original fue tomada del DCW. Los campos fueron introducidos con información de los mapas fuentes de cada país (ver anexo), En algunos casos la información del DCW no coincidía con los mapas fuentes, razón para digitalizar algunas vías y actualizar los datos de DCW.
Los datos cuyo valor equivalen a 9 corresponden a información no encontrada en los mapas fuentes, pero sí en el DCW, quedando como SIN INFORMACION.

Notes:

Distrib Constraints:

Use Constraints:

Region: **Americas**

Country: Mexico **Year Pub:** 1982

Data Set Title: MEX_CIAT_01

Originator: Centro Internacional de Agricultura Tropical (CIAT)

Distributor: Centro Internacional de Agricultura Tropical (CIAT)

URL:
File Size (MB): 2.197 **Total Km:** **Scale:** 1:4,000,000

Source Data: ESTADOS UNIDOS MEXICANOS
INSTITUTO NACIONAL DE ESTADISTICAS GEOGRAFICA E INFORMATICA

Method: La fuente original fue tomada del DCW. Los campos fueron introducidos con información de los mapas fuentes de cada país (ver anexo), En algunos casos la información del DCW no coincidía con los mapas fuentes, razón para digitalizar algunas vías y actualizar los datos de DCW.
Los datos cuyo valor equivalen a 9 corresponden a información no encontrada en los mapas fuentes, pero sí en el DCW, quedando como SIN INFORMACION.

Notes:

Distrib Constraints:

Use Constraints:

Region: Americas

Country: Mexico **Year Pub:** 0

Data Set Title: MEX_VMAP1_01.shp

Originator: US National Geospatial Intelligence Agency (NGIA) Vector Smart Map

Distributor:

URL:

File Size (MB): 11.343 **Total Km:** **Scale:**

Source Data: Vector Map Level 1 product resolution is based on 1:250,000 map scale source, i.e. 1cm=2.5km, and is 4 times the resolution of VMAP0. It is based primarily on the vectorized versions of 1:250,000 scale NIMA Joint Operations Graphics (JOGs) - nearly 10,000 sheets.

Method: The horizontal datum for this VMap product is WGS84. The vertical datum for this VMap product is mean sea level (MSL). The unit of measure for VMap is metric. The geographic extent of the VMap Level 1 product is global and consists of multiple regional databases. VMap Level 1 data from standard DMA source products are derived from the feature content defined in the associated military specification VMAP_89033 and allied appendix, available for download as .pdf files from NIMA Publications. Data gaps between a VMap Level 1 library may exist due to absence of data. VMap Level 1 products are organized into thematic layers. Each VMap thematic layer is stored as a single coverage within a VPF library. There are two reference coverages and ten thematic coverages in the data library level.

Notes: The approximate roads coverage is 40% of total national area. The metadata for MEX_VMAP1_01 is incomplete.

Distrib Constraints: these particular fragments of the VMAP1 database have no constraints (VMAP1a1new.pdf, 1)

Use Constraints:

Region: Americas

Country: Mexico **Year Pub:** 0

Data Set Title: MEX_ISCGM_01

Originator: International Steering Committee for Global Mapping (ISCGM)

Distributor: International Steering Committee for Global Mapping (ISCGM)

URL: <http://211.19.49.27/gmd/download/dl.php>

File Size (MB): 43.877 **Total Km:** 142194 **Scale:**

Source Data:

Method:

Notes:

Distrib Constraints:

Use Constraints: The Global Map Mexico is free of charge for non-commercial purpose. However when you make public any work that uses the data, you will need to show the credit (R) Global Map Mexico (C) ISCGM/INEGI or logos on your works, and send mail to atencion.usuarios@inegi.gob.mx describing your contact information, particular data set used and purpose of use.

Region: Americas

Country: Nicaragua **Year Pub:** 0

Data Set Title: NIC_ISCGM_01

Originator: International Steering Committee for Global Mapping (ISCGM)

Distributor: International Steering Committee for Global Mapping (ISCGM)

URL: <http://211.19.49.27/gmd/download/dl.php>

File Size (MB): 0.126 **Total Km:** **Scale:**

Source Data:

Method:

Notes:

Distrib Constraints:

Use Constraints: The Global Map of Nicaragua is free of charge for any purpose. However, if you intend to use the data for commercial purpose, you will need to show the credit "Global Map of Nicaragua © ISCGM / INETER" or logos on your product and send mail to (ineterds@ibw.com.ni) describing your contact information, particular dataset used and purpose of use.

Region: Americas

Country: Nicaragua **Year Pub:** 1997

Data Set Title: NIC_CIAT_01

Originator: Centro Internacional de Agricultura Tropical (CIAT)

Distributor: Centro Internacional de Agricultura Tropical (CIAT)

URL:

File Size (MB): 0.257 **Total Km:** **Scale:** 1:750,000

Source Data: REPUBLICA DE NICARAGUA MAPA DE DIVISION POLITICO ADMINISTRATIVA

Method: La fuente original fue tomada del DCW. Los campos fueron introducidos con información de los mapas fuentes de cada país (ver anexo), En algunos casos la información del DCW no coincidía con los mapas fuentes, razón para digitalizar algunas

vías y actualizar los datos de DCW.

Los datos cuyo valor equivalen a 9 corresponden a información no encontrada en los mapas fuentes, pero sí en el DCW, quedando como SIN INFORMACION.

Notes:

Distrib Constraints:

Use Constraints:

Region: Americas

Country: Nicaragua **Year Pub:** 0

Data Set Title: NIC_ISCGM_01

Originator: International Steering Committee for Global Mapping (ISCGM)

Distributor: International Steering Committee for Global Mapping (ISCGM)

URL: <http://211.19.49.27/gmd/download/dl.php>

File Size (MB): 3.896 **Total Km:** **Scale:**

Source Data:

Method:

Notes:

Distrib Constraints:

Use Constraints: The Global Map of Nicaragua is free of charge for any purpose. However, if you intend to use the data for commercial purpose, you will need to show the credit "Global Map of Nicaragua © ISCGM / INETER" or logos on your product and send mail to (ineterds@ibw.com.ni) describing your contact information, particular dataset used and purpose of use.

Region: Americas

Country: Panama **Year Pub:** 0

Data Set Title: PAN_VMAP1_01.shp

Originator: US National Geospatial Intelligence Agency (NGIA) Vector Smart Map

Distributor:

URL:

File Size (MB): 0.723 **Total Km:** **Scale:**

Source Data: Vector Map Level 1 product resolution is based on 1:250,000 map scale source, i.e. 1cm=2.5km, and is 4 times the resolution of VMAP0. It is based primarily on the vectorized versions of 1:250,000 scale NIMA Joint Operations Graphics (JOGs) - nearly 10,000 sheets.

Method: The horizontal datum for this VMap product is WGS84. The vertical datum for this VMap product is mean sea level (MSL). The unit of measure for VMap is metric. The geographic extent of the VMap Level 1 product is global and consists of multiple regional databases. VMap Level 1 data from standard DMA source products are derived from the feature content defined in the associated military specification VMAP_89033 and allied appendix, available for download as .pdf files from NIMA Publications. Data gaps between a VMap Level 1 library may exist due to absence of data. VMap Level 1

products are organized into thematic layers. Each VMap thematic layer is stored as a single coverage within a VPF library. There are two reference coverages and ten thematic coverages in the data library level.

Notes: The approximate roads coverage is 25-30% of total national area. The metadata for PAN_VMAP1_01 is incomplete.

Distrib Constraints: these particular fragments of the VMAP1 database have no constraints (VMAP1a1new.pdf, 1)

Use Constraints:

Region: Americas

Country: Panama **Year Pub:** 1998

Data Set Title: PAN_CIAT_01

Originator: Centro Internacional de Agricultura Tropical (CIAT)

Distributor: Centro Internacional de Agricultura Tropical (CIAT)

URL:

File Size (MB): 0.272 **Total Km:** **Scale:** 1:1,000,000

Source Data: REPUBLICA DE PANAMA MAPA POLITICO

Method: La fuente original fue tomada del DCW. Los campos fueron introducidos con información de los mapas fuentes de cada país (ver anexo), En algunos casos la información del DCW no coincidía con los mapas fuentes, razón para digitalizar algunas vías y actualizar los datos de DCW. Los datos cuyo valor equivalen a 9 corresponden a información no encontrada en los mapas fuentes, pero sí en el DCW, quedando como SIN INFORMACION.

Notes:

Distrib Constraints:

Use Constraints:

Region: Americas

Country: Panama **Year Pub:** 0

Data Set Title: PAN_ISCGM_01

Originator: International Steering Committee for Global Mapping (ISCGM)

Distributor: International Steering Committee for Global Mapping (ISCGM)

URL: <http://211.19.49.27/gmd/download/dl.php>

File Size (MB): 2.68 **Total Km:** 7216 **Scale:**

Source Data:

Method:

Notes:

Distrib Constraints:

Use Constraints: Commercial use of Global Map Panama is not permitted. For more detail, please contact Instituto Geografico Nacional Tommy Guardia.

Region: Americas

Country: Paraguay **Year Pub:** 1980

Data Set Title: PRY_CIAT_01

Originator: Centro Internacional de Agricultura Tropical (CIAT)

Distributor: Centro Internacional de Agricultura Tropical (CIAT)

URL:

File Size (MB): 0.247 **Total Km:** **Scale:** 1:1,000,000

Source Data: INSTITUTO GEOGRAFICO MILITAR PARAGUAY

Method: La fuente original fue tomada del DCW. Los campos fueron introducidos con información de los mapas fuentes de cada país (ver anexo), En algunos casos la información del DCW no coincidía con los mapas fuentes, razón para digitalizar algunas vías y actualizar los datos de DCW.
Los datos cuyo valor equivalen a 9 corresponden a información no encontrada en los mapas fuentes, pero sí en el DCW, quedando como SIN INFORMACION.

Notes:

Distrib Constraints:

Use Constraints:

Region: Americas

Country: Peru **Year Pub:** 1985

Data Set Title: PER_CIAT_01

Originator: Centro Internacional de Agricultura Tropical (CIAT)

Distributor: Centro Internacional de Agricultura Tropical (CIAT)

URL:

File Size (MB): 0.757 **Total Km:** **Scale:** 1:2,200,000

Source Data: MAPA FISICO POLITICO VIAL DEL PERU

Method: La fuente original fue tomada del DCW. Los campos fueron introducidos con información de los mapas fuentes de cada país (ver anexo), En algunos casos la información del DCW no coincidía con los mapas fuentes, razón para digitalizar algunas vías y actualizar los datos de DCW.
Los datos cuyo valor equivalen a 9 corresponden a información no encontrada en los mapas fuentes, pero sí en el DCW, quedando como SIN INFORMACION.

Notes:

Distrib Constraints:

Use Constraints:

Region: Americas

Country: Puerto Rico **Year Pub:** 1951

Data Set Title: PRI_CIAT_01

Originator: Centro Internacional de Agricultura Tropical (CIAT)

Distributor: Centro Internacional de Agricultura Tropical (CIAT)

URL:

File Size (MB): 0.566	Total Km:	Scale: 1:500,000
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Source Data: PUERTO RICO E ISLAS LIMITROFES

Method: La fuente original fue tomada del DCW. Los campos fueron introducidos con información de los mapas fuentes de cada país (ver anexo), En algunos casos la información del DCW no coincidía con los mapas fuentes, razón para digitalizar algunas vías y actualizar los datos de DCW.

Los datos cuyo valor equivalen a 9 corresponden a información no encontrada en los mapas fuentes, pero sí en el DCW, quedando como SIN INFORMACION.

Notes:**Distrib Constraints:****Use Constraints:****Region:** Americas

Country: St. Lucia	Year Pub: 0
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Data Set Title: LCA_ISCGM_02**Originator:** International Steering Committee for Global Mapping (ISCGM)**Distributor:** International Steering Committee for Global Mapping (ISCGM)**URL:** <http://211.19.49.27/gmd/download/dl.php>

File Size (MB): 0.777	Total Km:	Scale:
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Source Data:**Method:****Notes:****Distrib Constraints:**

Use Constraints: If you intend to use the Global Map of Saint Lucia for commercial purpose, you will need to get permission from the Chief Surveyor of the Ministry of Physical Development. Please contact the Survey and Mapping Department which falls within the Ministry of Physical Development through the following contacts:
 Office of the Chief Surveyor:
 1 758 468 4464
 1 758 451 6958 (facsimile)
 Any unauthorized use of the data for any commercial purposes is in violation of international copyright laws and is strictly forbidden.

Region: Americas

Country: St. Lucia	Year Pub: 0
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Data Set Title: LCA_ISCGM_01**Originator:** International Steering Committee for Global Mapping (ISCGM)**Distributor:** International Steering Committee for Global Mapping (ISCGM)**URL:** <http://211.19.49.27/gmd/download/dl.php>

File Size (MB): 1.05	Total Km:	Scale:
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Source Data:

Method:

Notes:

Distrib Constraints:

Use Constraints:

If you intend to use the Global Map of Saint Lucia for commercial purpose, you will need to get permission from the Chief Surveyor of the Ministry of Physical Development. Please contact the Survey and Mapping Department which falls within the Ministry of Physical Development through the following contacts:
Office of the Chief Surveyor:
1 758 468 4464
1 758 451 6958 (facsimile)
Any unauthorized use of the data for any commercial purposes is in violation of international copyright laws and is strictly forbidden.

Region: **Americas**

Country: St. Vincent and the

Year Pub: 0

Data Set Title: VCT_ISCGM_02

Originator: International Steering Committee for Global Mapping (ISCGM)

Distributor: International Steering Committee for Global Mapping (ISCGM)

URL: <http://211.19.49.27/gmd/download/dl.php>

File Size (MB): 0.658

Total Km:

Scale:

Source Data:

Method:

Notes:

Distrib Constraints:

Use Constraints:

The Global Map of St. Vincent and Grenadines is free of charge for any purpose. However, if you intend to use the data for commercial purpose, you will need to show the credit "Global Map of St. Vincent and the Grenadines © ISCGM/Lands and Surveys Department" or logos on your product and send mail to describing your contact information, particular dataset used and purpose of use.

Region: **Americas**

Country: St. Vincent and the

Year Pub: 0

Data Set Title: VCT_ISCGM_01

Originator: International Steering Committee for Global Mapping (ISCGM)

Distributor: International Steering Committee for Global Mapping (ISCGM)

URL: <http://211.19.49.27/gmd/download/dl.php>

File Size (MB): 2.26

Total Km:

Scale:

Source Data:

Method:

Notes:

Distrib Constraints:

Use Constraints:

The Global Map of St. Vincent and Grenadines is free of charge for any purpose.

However, if you intend to use the data for commercial purpose, you will need to show the credit "Global Map of St. Vincent and the Grenadines © ISCGM/Lands and Surveys Department" or logos on your product and send mail to describing your contact information, particular dataset used and purpose of use.

Region: Americas

Country: Suriname

Year Pub: 1986

Data Set Title: SUR_CIAT_01

Originator: Centro Internacional de Agricultura Tropical (CIAT)

Distributor: Centro Internacional de Agricultura Tropical (CIAT)

URL:

File Size (MB): 0.058

Total Km:

Scale: 1:1,000,000

Source Data:

Method:

La fuente original fue tomada del DCW. Los campos fueron introducidos con información de los mapas fuentes de cada país (ver anexo), En algunos casos la información del DCW no coincidía con los mapas fuentes, razón para digitalizar algunas vías y actualizar los datos de DCW.

Los datos cuyo valor equivalen a 9 corresponden a información no encontrada en los mapas fuentes, pero sí en el DCW, quedando como SIN INFORMACION.

Notes:

Distrib Constraints:

Use Constraints:

Region: Americas

Country: Trinidad and Tobago

Year Pub: 1994

Data Set Title: TTO_CIAT_01

Originator: Centro Internacional de Agricultura Tropical (CIAT)

Distributor: Centro Internacional de Agricultura Tropical (CIAT)

URL:

File Size (MB): 0.873

Total Km:

Scale:

Source Data:

MAP OF TRINIDAD SHOWING ELECTORAL AREAS MUNICIPAL CORPORATIONS

Method:

La fuente original fue tomada del DCW. Los campos fueron introducidos con información de los mapas fuentes de cada país (ver anexo), En algunos casos la información del DCW no coincidía con los mapas fuentes, razón para digitalizar algunas vías y actualizar los datos de DCW.

Los datos cuyo valor equivalen a 9 corresponden a información no encontrada en los mapas fuentes, pero sí en el DCW, quedando como SIN INFORMACION.

Notes:

Distrib Constraints:

Use Constraints:

Region: Americas

Country: United States **Year Pub:** 0

Data Set Title: USA_ISCGM_01

Originator: International Steering Committee for Global Mapping (ISCGM)

Distributor: International Steering Committee for Global Mapping (ISCGM)

URL: <http://211.19.49.27/gmd/download/dl.php>

File Size (MB): 93.679 **Total Km:** **Scale:**

Source Data:

Method:

Notes:

Distrib Constraints:

Use Constraints: The Global Map of the United States of America is free of charge for any purpose. However if you intend to use the data for commercial purpose, you will need to show the credit "Global Map of the United States of America © ISCGM" or logos on your product and send mail to atlasmail@usgs.gov describing your contact information, particular data set used and purpose of use

Region: Americas

Country: Uruguay **Year Pub:** 0

Data Set Title: URY_ISCGM_01

Originator: International Steering Committee for Global Mapping (ISCGM)

Distributor: International Steering Committee for Global Mapping (ISCGM)

URL: <http://211.19.49.27/gmd/download/dl.php>

File Size (MB): 2.781 **Total Km:** **Scale:**

Source Data:

Method:

Notes:

Distrib Constraints:

Use Constraints: If you intend to use the Global Map of Uruguay for commercial purpose, you will need to get permission from Geographic Military Service. Please contact Jose Maria Lazo Director of the Geographic Military Service at sgm@ejercito.mil.uy
Any unauthorized use of the data for any commercial purpose is in violation of international copyright laws and is strictly forbidden.

Region: Americas

Country: Uruguay **Year Pub:**

Data Set Title: URY_CIAT_01

Originator: Centro Internacional de Agricultura Tropical (CIAT)

Distributor: Centro Internacional de Agricultura Tropical (CIAT)

URL:

File Size (MB): 0.33 **Total Km:** **Scale:** 1:1,000,000

Source Data:

CARTA REGIONAL REPUBLICA ORIENTAL DEL URUGUAY VIAS DE COMUNICACION

Method:

La fuente original fue tomada del DCW. Los campos fueron introducidos con información de los mapas fuentes de cada país (ver anexo), En algunos casos la información del DCW no coincidía con los mapas fuentes, razón para digitalizar algunas vías y actualizar los datos de DCW.

Los datos cuyo valor equivalen a 9 corresponden a información no encontrada en los mapas fuentes, pero sí en el DCW, quedando como SIN INFORMACION.

Notes:

Distrib Constraints:

Use Constraints:

Region: Americas

Country: Venezuela

Year Pub: 1989

Data Set Title: VEN_CIAT_01

Originator: Centro Internacional de Agricultura Tropical (CIAT)

Distributor: Centro Internacional de Agricultura Tropical (CIAT)

URL:

File Size (MB): 0.514 **Total Km:** **Scale:** 1:2,000,000

Source Data:

MAPA FISICO DEL LA REPUBLICA DE VENEZUELA

Method:

La fuente original fue tomada del DCW. Los campos fueron introducidos con información de los mapas fuentes de cada país (ver anexo), En algunos casos la información del DCW no coincidía con los mapas fuentes, razón para digitalizar algunas vías y actualizar los datos de DCW.

Los datos cuyo valor equivalen a 9 corresponden a información no encontrada en los mapas fuentes, pero sí en el DCW, quedando como SIN INFORMACION.

Notes:

Distrib Constraints:

Use Constraints:

Region: Asia

Country: Afghanistan

Year Pub: 2001

Data Set Title: AFG_USAID_01

Originator: USAID/ FAO - UN SDRN

Distributor: Office of the Coordination of Humanitarian Affairs (OCHA)

URL:

File Size (MB): 4.914 **Total Km:** **Scale:** 1:100,000

Source Data:

Method:

Transportation lines digitized from United States Defense Mapping Agency (USDMA) Afghanistan Map 1:100,000 scale series U611, different editions from 1968-1986

Notes:

Distrib Constraints:**Use Constraints:****Region:** Asia**Country:** Afghanistan**Year Pub:** 0**Data Set Title:** AFG_VMAP1_01.shp**Originator:** US National Geospatial Intelligence Agency (NGIA) Vector Smart Map**Distributor:****URL:****File Size (MB):** 1.356**Total Km:****Scale:****Source Data:**

Vector Map Level 1 product resolution is based on 1:250,000 map scale source, i.e. 1cm=2.5km, and is 4 times the resolution of VMAP0. It is based primarily on the vectorized versions of 1:250,000 scale NIMA Joint Operations Graphics (JOGs) - nearly 10,000 sheets.

Method:

The horizontal datum for this VMap product is WGS84. The vertical datum for this VMap product is mean sea level (MSL). The unit of measure for VMap is metric. The geographic extent of the VMap Level 1 product is global and consists of multiple regional databases. VMap Level 1 data from standard DMA source products are derived from the feature content defined in the associated military specification VMAP_89033 and allied appendix, available for download as .pdf files from NIMA Publications. Data gaps between a VMap Level 1 library may exist due to absence of data. VMap Level 1 products are organized into thematic layers. Each VMap thematic layer is stored as a single coverage within a VPF library. There are two reference coverages and ten thematic coverages in the data library level.

Notes:

The approximate roads coverage is 10% of total national area. The metadata for AFG_VMAP1_01 are incomplete.

Distrib Constraints: these particular fragments of the VMAP1 database have no constraints (VMAP1a1new.pdf, 1)

Use Constraints:**Region:** Asia**Country:** Afghanistan**Year Pub:** 2004**Data Set Title:** AFG_PennState**Originator:** Penn State University**Distributor:** University of Georgia - ITOS, Geographic Information Support Team**URL:** <https://gist.itos.uga.edu/data/eurasia/countries/afghanistan/datasets/rdline.zip>**File Size (MB):** 0.225**Total Km:****Scale:** 1:1,000,000**Source Data:**

VMAPO/DCW

Method:**Notes:****Distrib Constraints:** Unclear**Use Constraints:** Unclear - probably public domain.

Region: Asia
Country: Afghanistan **Year Pub:** 2002
Data Set Title: AFG_ESRI_01
Originator: Environmental Systems Research Institute
Distributor: University of Georgia - ITOS, Geographic Information Support Team
URL: https://gist.itos.uga.edu/data/eurasia/countries/afghanistan/datasets/roads_inside_o
File Size (MB): 0.558 **Total Km:** **Scale:** 1:1,000,000

Source Data:
Method:
Notes:
Distrib Constraints: Unclear
Use Constraints: Unclear - probably public domain.

Region: Asia
Country: Armenia **Year Pub:** 2004
Data Set Title: ARM_PennState_01.shp
Originator: Penn State University
Distributor: University of Georgia - ITOS, Geographic Information Support Team
URL: <https://gist.itos.uga.edu/data/eurasia/countries/armenia/datasets/rdline.zip>
File Size (MB): 0.05 **Total Km:** **Scale:** 1:1,000,000

Source Data: VMAP0/DCW
Method:
Notes:
Distrib Constraints:
Use Constraints:

Region: Asia
Country: Armenia **Year Pub:** 0
Data Set Title: ARM_VMAP1_01.shp
Originator: US National Geospatial Intelligence Agency (NGIA) Vector Smart Map
Distributor:
URL:
File Size (MB): 0.18 **Total Km:** **Scale:**

Source Data: Vector Map Level 1 product resolution is based on 1:250,000 map scale source, i.e. 1cm=2.5km, and is 4 times the resolution of VMAP0. It is based primarily on the vectorized versions of 1:250,000 scale NIMA Joint Operations Graphics (JOGs) - nearly 10,000 sheets.

Method: The horizontal datum for this VMap product is WGS84. The vertical datum for this VMap

product is mean sea level (MSL). The unit of measure for VMap is metric. The geographic extent of the VMap Level 1 product is global and consists of multiple regional databases. VMap Level 1 data from standard DMA source products are derived from the feature content defined in the associated military specification VMAP_89033 and allied appendix, available for download as .pdf files from NIMA Publications. Data gaps between a VMap Level 1 library may exist due to absence of data. VMap Level 1 products are organized into thematic layers. Each VMap thematic layer is stored as a single coverage within a VPF library. There are two reference coverages and ten thematic coverages in the data library level.

Notes: The approximate roads coverage is 10-15% of total national area. The metadata for ARM_VMAP1_01 are incomplete.

Distrib Constraints: These particular fragments of the VMAP1 database have no constraints (VMAP1a1new.pdf, 1)

Use Constraints:

Region: Asia

Country: Azerbaijan **Year Pub:** 2004

Data Set Title: AZE_PennState_01.shp

Originator: Penn State University

Distributor: University of Georgia - ITOS, Geographic Information Support Team

URL: <https://gist.itos.uga.edu/data/eurasia/countries/azerbaijan/datasets/rdline.zip>

File Size (MB): 0.097 **Total Km:** **Scale:** 1:1,000,000

Source Data: VMAP0/DCW

Method:

Notes:

Distrib Constraints:

Use Constraints:

Region: Asia

Country: Azerbaijan **Year Pub:** 0

Data Set Title: AZE_VMAP1_01.shp

Originator: US National Geospatial Intelligence Agency (NGIA) Vector Smart Map

Distributor:

URL: <http://211.19.49.27/gmd/download/dl.php>

File Size (MB): 0.865 **Total Km:** **Scale:**

Source Data: Vector Map Level 1 product resolution is based on 1:250,000 map scale source, i.e. 1cm=2.5km, and is 4 times the resolution of VMAP0. It is based primarily on the vectorized versions of 1:250,000 scale NIMA Joint Operations Graphics (JOGs) - nearly 10,000 sheets.

Method: The horizontal datum for this VMap product is WGS84. The vertical datum for this VMap product is mean sea level (MSL). The unit of measure for VMap is metric. The geographic extent of the VMap Level 1 product is global and consists of multiple

regional databases. VMap Level 1 data from standard DMA source products are derived from the feature content defined in the associated military specification VMAP_89033 and allied appendix, available for download as .pdf files from NIMA Publications. Data gaps between a VMap Level 1 library may exist due to absence of data. VMap Level 1 products are organized into thematic layers. Each VMap thematic layer is stored as a single coverage within a VPF library. There are two reference coverages and ten thematic coverages in the data library level.

Notes: The approximate roads coverage is 15-20% of total national area. The metadata for AZE_VMAP1_01 are incomplete

Distrib Constraints: These particular fragments of the VMAP1 database have no constraints (VMAP1a1new.pdf, 1)

Use Constraints:

Region: Asia

Country: Bahrain

Year Pub: 0

Data Set Title: BHR_ISCGM_01

Originator: International Steering Committee for Global Mapping (ISCGM)

Distributor: International Steering Committee for Global Mapping (ISCGM)

URL: <http://211.19.49.27/gmd/download/dl.php>

File Size (MB): 1.141

Total Km: 508

Scale:

Source Data:

Method:

Notes:

Distrib Constraints:

Use Constraints: The Global Map of Kingdom of Bahrain is free of charge for any purpose. However, if you intend to use the data for commercial purpose, you will need to get a license from Survey and Land Registration Bureau, Topography Survey Directorate. Please jump to (www.slr.gov.bh) for licensing.

Any unauthorized use of the data for any commercial Purpose is in violation of international copyright laws and is strictly forbidden.

Region: Asia

Country: Bangladesh

Year Pub: 2005

Data Set Title: BGD_NREL_01.shp

Originator: National Renewable Energy Laboratory (NREL)

Distributor: University of Georgia - ITOS, Geographic Information Support Team

URL: https://gist.itos.uga.edu/data/south_asia/countries/bangladesh/datasets/43_roads.zip

File Size (MB): 2.495

Total Km:

Scale: unknown

Source Data: SWERA

Method:

Notes:

Distrib Constraints:**Use Constraints:****Region:** Asia**Country:** Bangladesh**Year Pub:** 0**Data Set Title:** BGD_ISCGM_01**Originator:** International Steering Committee for Global Mapping (ISCGM)**Distributor:** International Steering Committee for Global Mapping (ISCGM)**URL:** <http://211.19.49.27/gmd/download/dl.php>**File Size (MB):** 3.035**Total Km:** 14679**Scale:****Source Data:****Method:****Notes:****Distrib Constraints:****Use Constraints:**

Commercial use of Global Map Bangladesh is not permitted. For more detail, please contact Survey of Bangladesh.

E-mail address: sob@sob-bd.org

Postal address: SURVEYOR GENERAL, SURVEY OF BANGLADESH, TEJGOAN, DHAKA-1208, BANGLADESH

Phone number: +88-02-8111992

Fax number: +88-02-9117463

Region: Asia**Country:** Bhutan**Year Pub:** 2004**Data Set Title:** BTN_PennState_01.shp**Originator:** Penn State University**Distributor:** University of Georgia - ITOS, Geographic Information Support Team**URL:** https://gist.itos.uga.edu/data/south_asia/countries/bhutan/datasets/rdline.zip**File Size (MB):** 0.025**Total Km:****Scale:** 1:1,000,000**Source Data:** VMAP0/DCW**Method:****Notes:****Distrib Constraints:****Use Constraints:****Region:** Asia**Country:** Bhutan**Year Pub:** 0**Data Set Title:** BTN_ISCGM_01**Originator:** International Steering Committee for Global Mapping (ISCGM)**Distributor:** International Steering Committee for Global Mapping (ISCGM)

URL: <http://211.19.49.27/gmd/download/dl.php>
File Size (MB): 0.301 **Total Km:** **Scale:**

Source Data:
Method:
Notes:
Distrib Constraints:
Use Constraints: The Global Map of Bhutan is free of charge for any purpose. However, if you intend to use the data for commercial purpose, you will need to get permission and license from Department of Survey and Land Recourds, Bhutan to comply with the data policy of the department. Please contact Surveyor General in ugentachhu@druknet.bt . Any unauthorized use of the data for any commercial purpose is in violation of international copyright and is strictly forbidden.

Region: **Asia**
Country: Brunei **Year Pub:** 0
Data Set Title: BRN_ISCGM_02
Originator: International Steering Committee for Global Mapping (ISCGM)
Distributor: International Steering Committee for Global Mapping (ISCGM)
URL: <http://211.19.49.27/gmd/download/dl.php>
File Size (MB): 0.136 **Total Km:** **Scale:**

Source Data:
Method:
Notes:
Distrib Constraints:
Use Constraints: If you intend to use the Global Map of Brunei Darussalam for commercial purpose, You will need to get permission from Survey Department, Ministry of Development. Please contact Survey Department (survey@brunet.bn)
Any unauthorized use of the data for any commercial purposes is in violation of International copyright laws and is strictly forbidden.

Region: **Asia**
Country: Brunei **Year Pub:** 0
Data Set Title: BRN_ISCGM_01
Originator: International Steering Committee for Global Mapping (ISCGM)
Distributor: International Steering Committee for Global Mapping (ISCGM)
URL: <http://211.19.49.27/gmd/download/dl.php>
File Size (MB): 0.678 **Total Km:** **Scale:**

Source Data:
Method:
Notes:
Distrib Constraints:

Use Constraints: If you intend to use the Global Map of Brunei Darussalam for commercial purpose, You will need to get permission from Survey Department, Ministry of Development. Please contact Survey Department (survey@brunet.bn) Any unauthorized use of the data for any commercial purposes is in violation of International copyright laws and is strictly forbidden.

Region: Asia

Country: Cambodia **Year Pub:** 2004

Data Set Title: KHM_PennState_01.shp

Originator: Penn State University

Distributor: University of Georgia - ITOS, Geographic Information Support Team

URL: https://gist.itos.uga.edu/data/south_asia/countries/cambodia/datasets/rdline.zip

File Size (MB): 0.107 **Total Km:** **Scale:** 1:1,000,000

Source Data: VMAP0/DCW

Method:

Notes:

Distrib Constraints:

Use Constraints:

Region: Asia

Country: Cyprus **Year Pub:** 2004

Data Set Title: CYP_PennState_01.shp

Originator: Penn State University

Distributor: University of Georgia - ITOS, Geographic Information Support Team

URL: <https://gist.itos.uga.edu/data/eurasia/countries/cyprus/datasets/rdline.zip>

File Size (MB): 0.024 **Total Km:** **Scale:** 1:1,000,000

Source Data: VMAP0/DCW

Method:

Notes:

Distrib Constraints:

Use Constraints:

Region: Asia

Country: Georgia **Year Pub:** 2004

Data Set Title: GEO_PennState_01.shp

Originator: Penn State University

Distributor: University of Georgia - ITOS, Geographic Information Support Team

URL: <https://gist.itos.uga.edu/data/eurasia/countries/georgia/datasets/rdline.zip>

File Size (MB): 0.069 **Total Km:** **Scale:** 1:1,000,000

Source Data: VMAP0/DCW
Method:
Notes:
Distrib Constraints:
Use Constraints:

Region: Asia

Country: Georgia **Year Pub:** 0
Data Set Title: GEO_ISCGM_01
Originator: International Steering Committee for Global Mapping (ISCGM)
Distributor: International Steering Committee for Global Mapping (ISCGM)
URL: <http://211.19.49.27/gmd/download/dl.php>
File Size (MB): 2.253 **Total Km:** **Scale:**

Source Data:
Method:
Notes:

Distrib Constraints:

Use Constraints: The Global Map of Georgia is free of charge for any purpose. However, if you intend to use the data for commercial purpose, you will need to show the credit "Global Map of Georgia © ISCGM/geodesyandcartography service" or logos on your product and send mail to i.lejava@moe.gov.ge describing your contact information, particular dataset used and purpose of use.

Region: Asia

Country: India **Year Pub:** 2007
Data Set Title: IND_WHO_01.shp
Originator: Unknown
Distributor: University of Georgia - ITOS, Geographic Information Support Team
URL: https://gist.itos.uga.edu/data/south_asia/countries/india/datasets/roads.zip
File Size (MB): 3.984 **Total Km:** **Scale:** unknown

Source Data:
Method:
Notes:

Distrib Constraints:

Use Constraints:

Region: Asia

Country: India **Year Pub:** 0
Data Set Title: IND_VMAP1_01.shp
Originator: US National Geospatial Intelligence Agency (NGIA) Vector Smart Map

Distributor:

URL:

File Size (MB): 27.125

Total Km:

Scale:

Source Data:

Vector Map Level 1 product resolution is based on 1:250,000 map scale source, i.e. 1cm=2.5km, and is 4 times the resolution of VMAP0. It is based primarily on the vectorized versions of 1:250,000 scale NIMA Joint Operations Graphics (JOGs) - nearly 10,000 sheets.

Method:

The horizontal datum for this VMap product is WGS84. The vertical datum for this VMap product is mean sea level (MSL). The unit of measure for VMap is metric. The geographic extent of the VMap Level 1 product is global and consists of multiple regional databases. VMap Level 1 data from standard DMA source products are derived from the feature content defined in the associated military specification VMAP_89033 and allied appendix, available for download as .pdf files from NIMA Publications. Data gaps between a VMap Level 1 library may exist due to absence of data. VMap Level 1 products are organized into thematic layers. Each VMap thematic layer is stored as a single coverage within a VPF library. There are two reference coverages and ten thematic coverages in the data library level.

Notes:

The approximate roads coverage is 30% of total national area. The metadata for IND_VMAP1_01 is incomplete.

Distrib Constraints:

these particular fragments of the VMAP1 database have no constraints (VMAP1a1new.pdf, 1)

Use Constraints:

Region:

Asia

Country:

India

Year Pub:

0

Data Set Title:

IND_ISCGM_01

Originator:

International Steering Committee for Global Mapping (ISCGM)

Distributor:

International Steering Committee for Global Mapping (ISCGM)

URL:

http://211.19.49.27/gmd/download/dl.php

File Size (MB): 57.483

Total Km: 327101

Scale:

Source Data:

Method:

Notes:

Distrib Constraints:

Use Constraints:

If you intend to use the Global Map of INDIA for commercial purpose, you will need to get permission from Survey of India. Please contact Survey of India at e-mail: sgo@nde.vsnl.net.in; Website www.surveyofindia.gov.in. Any unauthorized use of the data for any commercial purposes is in violation of international copyright laws and is strictly forbidden.

Region:

Asia

Country:

India

Year Pub:

2004

Data Set Title:

IND_PennState_01.shp

Originator: Penn State University
Distributor: University of Georgia - ITOS, Geographic Information Support Team
URL: https://gist.itos.uga.edu/data/south_asia/countries/india/datasets/rdline.zip
File Size (MB): 1.955 **Total Km:** **Scale:** 1:1,000,000
Source Data: VMAP0/DCW
Method:
Notes:
Distrib Constraints:
Use Constraints:

Region: **Asia**
Country: Indonesia **Year Pub:** 2007
Data Set Title: IDN_WHO_01.shp
Originator: World Health Organization (WHO)
Distributor: University of Georgia - ITOS, Geographic Information Support Team
URL: https://gist.itos.uga.edu/data/south_asia/countries/indonesia/datasets/roads.zip
File Size (MB): 0.674 **Total Km:** **Scale:** unknown
Source Data: Partial data from ISCGM
Method:
Notes:
Distrib Constraints:
Use Constraints:

Region: **Asia**
Country: Indonesia **Year Pub:** 2007
Data Set Title: IDN_OCHA_01.shp
Originator: Office for the Coordination of Humanitarian Affairs (UNOCHA)
Distributor: University of Georgia - ITOS, Geographic Information Support Team
URL: https://gist.itos.uga.edu/data/south_asia/countries/indonesia/datasets/prop_jln.zip
File Size (MB): 0.146 **Total Km:** **Scale:** unknown
Source Data:
Method:
Notes:
Distrib Constraints:
Use Constraints:

Region: **Asia**
Country: Indonesia **Year Pub:** 2002

Data Set Title: IDN_AndyNelson_01
Originator: Global Forest Watch
Distributor: AndyNelson
URL: <http://www.globalforestwatch.org/english/index.htm>

File Size (MB): 18.969 **Total Km:** **Scale:**

Source Data:

Method:

Notes:

Distrib Constraints:

Use Constraints: This data is copyright to Global Forest Watch and/or its collaborators. Use and reproduction of this data is authorized for educational or other non-commercial purposes without prior permission from the copyright holders. You may make as many copies of the data as you wish; give exact copies of the original data to anyone; and distribute the data in its unmodified form via electronic means. There is no charge for any of the above. You are specifically prohibited from charging, or requesting donation, for any such copies, however made; from publishing; and from distributing the data with other products (commercial or otherwise without prior written permission.

Region: Asia

Country: Indonesia **Year Pub:** 0

Data Set Title: IDN_ISCGM_01

Originator: International Steering Committee for Global Mapping (ISCGM)

Distributor: International Steering Committee for Global Mapping (ISCGM)

URL: <http://211.19.49.27/gmd/download/dl.php>

File Size (MB): 8.368 **Total Km:** **Scale:**

Source Data:

Method:

Notes:

Distrib Constraints:

Use Constraints: The Global Map of Indonesia is free of charge for any purpose. However, if you intend to use data for commercial purpose, you will need to show the credit "Global Map of Indonesia @ ISCGM/Indonesia" or logos on your product and send mail to info@bakosurtanal.go.id describing your contact information, particular dataset used and purpose of use.

Region: Asia

Country: Iran **Year Pub:** 0

Data Set Title: IRN_ISCGM_01

Originator: International Steering Committee for Global Mapping (ISCGM)

Distributor: International Steering Committee for Global Mapping (ISCGM)

URL: <http://211.19.49.27/gmd/download/dl.php>

File Size (MB): 7.315 **Total Km:** 63420 **Scale:**

Source Data:

Method:

Notes:

Distrib Constraints:

Use Constraints: Commercial use of Global Map Iran is not permitted. For more detail, please contact National Cartographic Center. International boundaries in this dataset (Global Map Iran) are not authoritative.
E-mail address: m-vahedi@ncc.neda.net.ir
Postal address: National Cartographic Center (Tehran / IRAN - Meraj Street -Azadi Square)
Phone number: +98-021-66001394

Region: Asia

Country: Iran **Year Pub:** 2007

Data Set Title: IRN_NGIA_01.shp

Originator: National Geospatial Intelligence Agency (NGIA)

Distributor: University of Georgia - ITOS, Geographic Information Support Team

URL: <https://gist.itos.uga.edu/data/eurasia/countries/iran/datasets/roads.zip>

File Size (MB): 0.274 **Total Km:** **Scale:** unknown

Source Data: USAID/OFDA

Method:

Notes:

Distrib Constraints:

Use Constraints:

Region: Asia

Country: Iran **Year Pub:** 0

Data Set Title: IRN_VMAP1_01.shp

Originator: US National Geospatial Intelligence Agency (NGIA) Vector Smart Map

Distributor:

URL:

File Size (MB): 10.609 **Total Km:** **Scale:**

Source Data: Vector Map Level 1 product resolution is based on 1:250,000 map scale source, i.e. 1cm=2.5km, and is 4 times the resolution of VMAP0. It is based primarily on the vectorized versions of 1:250,000 scale NIMA Joint Operations Graphics (JOGs) - nearly 10,000 sheets.

Method: The horizontal datum for this VMap product is WGS84. The vertical datum for this VMap product is mean sea level (MSL). The unit of measure for VMap is metric. The geographic extent of the VMap Level 1 product is global and consists of multiple regional databases. VMap Level 1 data from standard DMA source products are derived from the feature content defined in the associated military specification VMAP_89033

and allied appendix, available for download as .pdf files from NIMA Publications. Data gaps between a VMap Level 1 library may exist due to absence of data. VMap Level 1 products are organized into thematic layers. Each VMap thematic layer is stored as a single coverage within a VPF library. There are two reference coverages and ten thematic coverages in the data library level.

Notes: The approximate roads coverage is 45% of total national area. The metadata for IRN_VMAP1_01 are incomplete.

Distrib Constraints: these particular fragments of the VMAP1 database have no constraints (VMAP1a1new.pdf, 1)

Use Constraints:

Region: Asia

Country: Iraq **Year Pub:** 2004

Data Set Title: IRQ_NGIA_04.shp

Originator: National Geospatial Intelligence Agency (NGIA)

Distributor: University of Georgia - ITOS, Geographic Information Support Team

URL: <https://gist.itos.uga.edu/data/eurasia/countries/iraq/datasets/trail.zip>

File Size (MB): 0.286 **Total Km:** **Scale:** 1:100,000

Source Data: The data was derived from the Iraq Geospatial Intelligence Feature Database

Method:

Notes: Lines represent network of paths and trails suitable for fair weather located in Iraq.

Distrib Constraints: Limitations of use: This data has been provided to the Geographic Information Support Team of the humanitarian community from the National Imagery and Mapping Agency of the Government of the United States and is solely intended for use in humanitarian or development related applications. This data may be used in commercial applications meeting the aforementioned criteria; however it is unlawful to sell this data in its present form. The Government of the United States cannot guarantee the accuracy of this data and it is the responsibility of the user to ensure quality, accuracy and appropriate use of this data based on the criteria of their specific application.

Use Constraints:

Region: Asia

Country: Iraq **Year Pub:** 2004

Data Set Title: IRQ_NGIA_01.shp

Originator: National Geospatial Intelligence Agency (NGIA)

Distributor: University of Georgia - ITOS, Geographic Information Support Team

URL: https://gist.itos.uga.edu/data/eurasia/countries/iraq/datasets/bridge_overpass.zip

File Size (MB): 0.192 **Total Km:** **Scale:** 1:100,000

Source Data: The data was derived from the Iraq Geospatial Intelligence Feature Database

Method:

Notes: bridge overpasses

Distrib Constraints: Limitations of use: This data has been provided to the Geographic Information Support Team of the humanitarian community from the National Imagery and Mapping Agency of the Government of the United States and is solely intended for use in humanitarian or development related applications. This data may be used in commercial applications meeting the aforementioned criteria; however it is unlawful to sell this data in its present form. The Government of the United States cannot guarantee the accuracy of this data and it is the responsibility of the user to ensure quality, accuracy and appropriate use of this data based on the criteria of their specific application.

Use Constraints:

Region: Asia

Country: Iraq **Year Pub:** 2004

Data Set Title: IRQ_NGIA_02.shp

Originator: National Geospatial Intelligence Agency (NGIA)

Distributor: University of Georgia - ITOS, Geographic Information Support Team

URL: https://gist.itos.uga.edu/data/eurasia/countries/iraq/datasets/cart_track.zip

File Size (MB): 23.973 **Total Km:** **Scale:** 1:100,000

Source Data: The data was derived from the Iraq Geospatial Intelligence Feature Database

Method:

Notes: cart and buggy tracks

Distrib Constraints: Limitations of use: This data has been provided to the Geographic Information Support Team of the humanitarian community from the National Imagery and Mapping Agency of the Government of the United States and is solely intended for use in humanitarian or development related applications. This data may be used in commercial applications meeting the aforementioned criteria; however it is unlawful to sell this data in its present form. The Government of the United States cannot guarantee the accuracy of this data and it is the responsibility of the user to ensure quality, accuracy and appropriate use of this data based on the criteria of their specific application.

Use Constraints:

Region: Asia

Country: Iraq **Year Pub:** 2004

Data Set Title: IRQ_JHIC_01.shp

Originator: Joint Humanitarian Information Centre

Distributor: University of Georgia - ITOS, Geographic Information Support Team

URL: https://gist.itos.uga.edu/data/eurasia/countries/iraq/datasets/all_erbil_sat_street.zip

File Size (MB): 0.684 **Total Km:** **Scale:** unknown

Source Data: OCHA

Method:

Notes: Streets of Erbil

Distrib Constraints:

Use Constraints:

Region: Asia
Country: Iraq **Year Pub:** 2004
Data Set Title: IRQ_JHIC_02.shp
Originator: Joint Humanitarian Information Centre
Distributor: University of Georgia - ITOS, Geographic Information Support Team
URL: https://gist.itos.uga.edu/data/eurasia/countries/iraq/datasets/dohuk_streets_polylin
File Size (MB): 0.146 **Total Km:** **Scale:** unknown
Source Data: OCHA
Method:
Notes: Streets of Dohuk
Distrib Constraints:
Use Constraints:

Region: Asia
Country: Iraq **Year Pub:** 2004
Data Set Title: IRQ_JHIC_03.shp
Originator: Joint Humanitarian Information Centre
Distributor: University of Georgia - ITOS, Geographic Information Support Team
URL: https://gist.itos.uga.edu/data/eurasia/countries/iraq/datasets/str_polyline.zip
File Size (MB): 0.05 **Total Km:** **Scale:** unknown
Source Data: OCHA
Method:
Notes: Streets of Erbil
Distrib Constraints:
Use Constraints:

Region: Asia
Country: Iraq **Year Pub:** 2004
Data Set Title: IRQ_JHIC_04.shp
Originator: Joint Humanitarian Information Centre
Distributor: University of Georgia - ITOS, Geographic Information Support Team
URL: <https://gist.itos.uga.edu/data/eurasia/countries/iraq/datasets/majar->
File Size (MB): 0.579 **Total Km:** **Scale:** unknown
Source Data: OCHA
Method:
Notes: Major roads of northern Iraq
Distrib Constraints:
Use Constraints:

Region: Asia

Country: Iraq **Year Pub:** 2007

Data Set Title: IRQ_JHIC_05.shp

Originator: Joint Humanitarian Information Centre

Distributor: University of Georgia - ITOS, Geographic Information Support Team

URL: <https://gist.itos.uga.edu/data/eurasia/countries/iraq/datasets/major-roads.zip>

File Size (MB): 0.537 **Total Km:** **Scale:** unknown

Source Data: Same as IRQ_JHIC_04 with few changes

Method:

Notes: Major roads of northern Iraq

Distrib Constraints:

Use Constraints:

Region: Asia

Country: Iraq **Year Pub:** 2004

Data Set Title: IRQ_NGIA_03.shp

Originator: National Geospatial Intelligence Agency (NGIA)

Distributor: University of Georgia - ITOS, Geographic Information Support Team

URL: <https://gist.itos.uga.edu/data/eurasia/countries/iraq/datasets/roads.zip>

File Size (MB): 15.159 **Total Km:** **Scale:** 1:100,000

Source Data: The data was derived from the Iraq Geospatial Intelligence Feature Database

Method:

Notes:

Distrib Constraints: Limitations of use: This data has been provided to the Geographic Information Support Team of the humanitarian community from the National Imagery and Mapping Agency of the Government of the United States and is solely intended for use in humanitarian or development related applications. This data may be used in commercial applications meeting the aforementioned criteria; however it is unlawful to sell this data in its present form. The Government of the United States cannot guarantee the accuracy of this data and it is the responsibility of the user to ensure quality, accuracy and appropriate use of this data based on the criteria of their specific application.

Use Constraints:

Region: Asia

Country: Iraq **Year Pub:** 2004

Data Set Title: IRQ_NGIA_05.shp

Originator: National Geospatial Intelligence Agency (NGIA)

Distributor: University of Georgia - ITOS, Geographic Information Support Team

URL: https://gist.itos.uga.edu/data/eurasia/countries/iraq/datasets/secondaryroads_nima_05.shp

File Size (MB): 1.121 **Total Km:** **Scale:** unknown

Source Data: USAID/OFDA

Method:

Notes: Secondary roads of northern Iraq

Distrib Constraints:

Use Constraints:

Region: Asia

Country: Iraq

Year Pub: 2004

Data Set Title: IRQ_PennState_01.shp

Originator: Penn State University

Distributor: University of Georgia - ITOS, Geographic Information Support Team

URL: <https://gist.itos.uga.edu/data/eurasia/countries/iraq/datasets/rdline.zip>

File Size (MB): 0.2 **Total Km:** **Scale:** 1:1,000,000

Source Data: VMAPO/DCW

Method:

Notes:

Distrib Constraints:

Use Constraints:

Region: Asia

Country: Israel

Year Pub: 2004

Data Set Title: ISR_USDOS_01.shp

Originator: US Department of State

Distributor: University of Georgia - ITOS, Geographic Information Support Team

URL: https://gist.itos.uga.edu/data/eurasia/countries/israel/datasets/isroads_dd.zip

File Size (MB): 0.048 **Total Km:** **Scale:** unknown

Source Data: OCHA

Method:

Notes:

Distrib Constraints:

Use Constraints:

Region: Asia

Country: Israel

Year Pub: 2007

Data Set Title: ISR_PennState_01.shp

Originator: Penn State University

Distributor: University of Georgia - ITOS, Geographic Information Support Team

URL: <https://gist.itos.uga.edu/data/eurasia/countries/israel/datasets/rdline.zip>
File Size (MB): 0.053 **Total Km:** **Scale:** 1:1,000,000
Source Data: VMAP0/DCW
Method:
Notes:
Distrib Constraints:
Use Constraints:

Region: Asia
Country: Japan **Year Pub:** 0
Data Set Title: JPN_ISCGM_01
Originator: International Steering Committee for Global Mapping (ISCGM)
Distributor: International Steering Committee for Global Mapping (ISCGM)
URL: <http://211.19.49.27/gmd/download/dl.php>
File Size (MB): 142.033 **Total Km:** 123855 **Scale:**

Source Data:
Method:
Notes:
Distrib Constraints:
Use Constraints: Global Map Japan is subject to copyright law of Japan and copyright protection by an international treaty.
Application procedure is required in using the product, except for non-commercial purpose and use in small quantity. Acknowledgement of written sources and report of utilization in an appropriate manner is necessary in using the product. (In case of use in small quantity, acknowledgement of written sources is necessary, but report of utilization is not required.)
Please contact: 1) Geographical Survey Institute (chikyuchizu@gsi.go.jp) for inquiries about application procedure, or 2) ISCGM secretariat (sec@iscgm.org) for inquiries about report of utilization.

Region: Asia
Country: Japan **Year Pub:** 0
Data Set Title: JPN_VMAP1_01.shp
Originator: US National Geospatial Intelligence Agency (NGIA) Vector Smart Map
Distributor:
URL:
File Size (MB): 27.727 **Total Km:** **Scale:**

Source Data: Vector Map Level 1 product resolution is based on 1:250,000 map scale source, i.e. 1cm=2.5km, and is 4 times the resolution of VMAP0. It is based primarily on the vectorized versions of 1:250,000 scale NIMA Joint Operations Graphics (JOGs) - nearly 10,000 sheets.

Method: The horizontal datum for this VMap product is WGS84. The vertical datum for this VMap product is mean sea level (MSL). The unit of measure for VMap is metric. The geographic extent of the VMap Level 1 product is global and consists of multiple regional databases. VMap Level 1 data from standard DMA source products are derived from the feature content defined in the associated military specification VMAP_89033 and allied appendix, available for download as .pdf files from NIMA Publications. Data gaps between a VMap Level 1 library may exist due to absence of data. VMap Level 1 products are organized into thematic layers. Each VMap thematic layer is stored as a single coverage within a VPF library. There are two reference coverages and ten thematic coverages in the data library level.

Notes: The approximate roads coverage is 75% of total national area. The metadata for JPN_VMAP1_01 is incomplete.

Distrib Constraints: these particular fragments of the VMAP1 database have no constraints (VMAP1a1new.pdf, 1)

Use Constraints:

Region: Asia

Country: Jordan **Year Pub:** 0

Data Set Title: JOR_ISCGM_01

Originator: International Steering Committee for Global Mapping (ISCGM)

Distributor: International Steering Committee for Global Mapping (ISCGM)

URL: <http://211.19.49.27/gmd/download/dl.php>

File Size (MB): 1.885 **Total Km:** 4683 **Scale:**

Source Data:

Method:

Notes:

Distrib Constraints:

Use Constraints: Commercial use of Global Map Jordan is not permitted. For more detail, please contact Royal Jordanian Geographic Centre (RJGC).
Postal address: P.O.Box 414, Al Jubayha 11941 Jordan

Region: Asia

Country: Jordan **Year Pub:** 2004

Data Set Title: JOR_PennState_01.shp

Originator: Penn State University

Distributor: University of Georgia - ITOS, Geographic Information Support Team

URL: <https://gist.itos.uga.edu/data/eurasia/countries/jordan/datasets/rdline.zip>

File Size (MB): 0.064 **Total Km:** **Scale:** 1:1,000,000

Source Data: VMAP0/DCW

Method:

Notes:

Distrib Constraints:**Use Constraints:****Region:** Asia**Country:** Kazakhstan**Year Pub:** 0**Data Set Title:** KAZ_VMAP1_01.shp**Originator:** US National Geospatial Intelligence Agency (NGIA) Vector Smart Map**Distributor:****URL:****File Size (MB):** 5.947**Total Km:****Scale:****Source Data:**

Vector Map Level 1 product resolution is based on 1:250,000 map scale source, i.e. 1cm=2.5km, and is 4 times the resolution of VMAP0. It is based primarily on the vectorized versions of 1:250,000 scale NIMA Joint Operations Graphics (JOGs) - nearly 10,000 sheets.

Method:

The horizontal datum for this VMap product is WGS84. The vertical datum for this VMap product is mean sea level (MSL). The unit of measure for VMap is metric. The geographic extent of the VMap Level 1 product is global and consists of multiple regional databases. VMap Level 1 data from standard DMA source products are derived from the feature content defined in the associated military specification VMAP_89033 and allied appendix, available for download as .pdf files from NIMA Publications. Data gaps between a VMap Level 1 library may exist due to absence of data. VMap Level 1 products are organized into thematic layers. Each VMap thematic layer is stored as a single coverage within a VPF library. There are two reference coverages and ten thematic coverages in the data library level.

Notes:

The approximate roads coverage is 15-20% of total national area. The metadata for KAZ_VMAP1_01 are incomplete.

Distrib Constraints: these particular fragments of the VMAP1 database have no constraints (VMAP1a1new.pdf, 1)

Use Constraints:**Region:** Asia**Country:** Kazakhstan**Year Pub:** 0**Data Set Title:** KAZ_ISCGM_01**Originator:** International Steering Committee for Global Mapping (ISCGM)**Distributor:** International Steering Committee for Global Mapping (ISCGM)**URL:** <http://211.19.49.27/gmd/download/dl.php>**File Size (MB):** 8.706**Total Km:** 88687**Scale:****Source Data:****Method:****Notes:****Distrib Constraints:**

Use Constraints: Commercial use of Global Map Kazakhstan is not permitted. For more detail, please

contact Scientific Technical Enterprise of Digital Cartography and GIS, The Committee for Management of Land Resources, Ministry of Agriculture STE Kartinform.

Region: Asia

Country: Kazakhstan **Year Pub:** 2004

Data Set Title: KAZ_PennState_01.shp

Originator: Penn State University

Distributor: University of Georgia - ITOS, Geographic Information Support Team

URL: <https://gist.itos.uga.edu/data/eurasia/countries/kazakhstan/datasets/rdline.zip>

File Size (MB): 1.164 **Total Km:** **Scale:** 1:1,000,000

Source Data: VMAP0/DCW

Method:

Notes:

Distrib Constraints:

Use Constraints:

Region: Asia

Country: Kuwait **Year Pub:** 2004

Data Set Title: KWT_PennState_01.shp

Originator: Penn State University

Distributor: University of Georgia - ITOS, Geographic Information Support Team

URL: <https://gist.itos.uga.edu/data/eurasia/countries/kuwait/datasets/rdline.zip>

File Size (MB): 0.026 **Total Km:** **Scale:** 1:1,000,000

Source Data: VMAP0/DCW

Method:

Notes:

Distrib Constraints:

Use Constraints:

Region: Asia

Country: Kyrgyzstan **Year Pub:** 0

Data Set Title: KGZ_ISCGM_01

Originator: International Steering Committee for Global Mapping (ISCGM)

Distributor: International Steering Committee for Global Mapping (ISCGM)

URL: <http://211.19.49.27/gmd/download/dl.php>

File Size (MB): 3.461 **Total Km:** 12391 **Scale:**

Source Data:

Method:

Notes:

Distrib Constraints:

Use Constraints: Commercial use of Global Map Kyrgyz is not permitted. For more detail, please contact State Service of Cartography and Geodesy of Kyrgyz Republic.

Region: Asia

Country: Kyrgyzstan **Year Pub:** 2004

Data Set Title: KGZ_PennState_01.shp

Originator: Penn State University

Distributor: University of Georgia - ITOS, Geographic Information Support Team

URL: <https://gist.itos.uga.edu/data/eurasia/countries/KYRGYZSTAN/datasets/rdline.zip>

File Size (MB): 0.09 **Total Km:** **Scale:** 1:1,000,000

Source Data: VMAPO/DCW

Method:

Notes:

Distrib Constraints:

Use Constraints:

Region: Asia

Country: Laos **Year Pub:** 0

Data Set Title: LAO_ISCGM_01

Originator: International Steering Committee for Global Mapping (ISCGM)

Distributor: International Steering Committee for Global Mapping (ISCGM)

URL: <http://211.19.49.27/gmd/download/dl.php>

File Size (MB): 1.46 **Total Km:** 10366 **Scale:**

Source Data:

Method:

Notes:

Distrib Constraints:

Use Constraints: Commercial use of Global Map Lao People's Democratic Republic is not permitted. For more detail, please contact National Geographic Department Prime Minister's Office.
E-mail address: ngdtech@laotel.com
Postal address: P.O Box 2159, VIENTIANE, LAOS.
Phone number: +856-21-243474, 214917
Fax number: +856-21-213474, 214915

Region: Asia

Country: Laos **Year Pub:** 2004

Data Set Title: LAO_PennState_01..shp

Originator: Penn State University

Distributor: University of Georgia - ITOS, Geographic Information Support Team

Notes:

Distrib Constraints:

Use Constraints:

Region: Asia

Country: Malaysia

Year Pub: 0

Data Set Title: MYS_ISCGM_01

Originator: International Steering Committee for Global Mapping (ISCGM)

Distributor: International Steering Committee for Global Mapping (ISCGM)

URL: <http://211.19.49.27/gmd/download/dl.php>

File Size (MB): 8.568

Total Km: 26126

Scale:

Source Data:

Method:

Notes:

Distrib Constraints:

Use Constraints: If you intend to use the Global Map of Malaysia for commercial purpose, you will need to get permission from the Department of Survey and Mapping Malaysia. Please contact the Department of Survey and Mapping Malaysia at usetiapeta@jupem.gov.my

Any unauthorized use of the data for any commercial purposes is in violation of

Region: Asia

Country: Malaysia

Year Pub: 2004

Data Set Title: MYS_PennState_01.shp

Originator: Penn State University

Distributor: University of Georgia - ITOS, Geographic Information Support Team

URL: https://gist.itos.uga.edu/data/south_asia/countries/malaysia/datasets/rdline.zip

File Size (MB): 0.139

Total Km:

Scale: 1:1,000,000

Source Data:

VMAPO/DCW

Method:

Notes:

Distrib Constraints:

Use Constraints:

Region: Asia

Country: Mongolia

Year Pub: 0

Data Set Title: MNG_ISCGM_01

Originator: International Steering Committee for Global Mapping (ISCGM)

Distributor: International Steering Committee for Global Mapping (ISCGM)

URL: <http://211.19.49.27/gmd/download/dl.php>

File Size (MB): 2.92

Total Km: 49941

Scale:

Source Data:

Method:

Notes:

Distrib Constraints:

Use Constraints:

Commercial use of Global Map Mongolia is not permitted. For more detail, please contact Administration of Land Affairs, Geodesy and Cartography Mongolia.

E-mail address: alagac@mongol.net

Postal address: Administration of Land Affairs, Geodesy and Cartography (Government building 12, Barilgachdyn talbai 3, Ulaanbaatar 211238, Mongolia)

Phone number: +976-11-329638

Fax number: +976-11-322683

Region: Asia

Country: Mongolia

Year Pub: 0

Data Set Title: MNG_VMAP1_01.shp

Originator: US National Geospatial Intelligence Agency (NGIA) Vector Smart Map

Distributor:

URL:

File Size (MB): 1.235

Total Km:

Scale:

Source Data:

Vector Map Level 1 product resolution is based on 1:250,000 map scale source, i.e. 1cm=2.5km, and is 4 times the resolution of VMAP0. It is based primarily on the vectorized versions of 1:250,000 scale NIMA Joint Operations Graphics (JOGs) - nearly 10,000 sheets.

Method:

The horizontal datum for this VMap product is WGS84. The vertical datum for this VMap product is mean sea level (MSL). The unit of measure for VMap is metric. The geographic extent of the VMap Level 1 product is global and consists of multiple regional databases. VMap Level 1 data from standard DMA source products are derived from the feature content defined in the associated military specification VMAP_89033 and allied appendix, available for download as .pdf files from NIMA Publications. Data gaps between a VMap Level 1 library may exist due to absence of data. VMap Level 1 products are organized into thematic layers. Each VMap thematic layer is stored as a single coverage within a VPF library. There are two reference coverages and ten thematic coverages in the data library level.

Notes:

The approximate roads coverage is 10-15% of total national area. The metadata for MNG_VMAP1_01 is incomplete.

Distrib Constraints: these particular fragments of the VMAP1 database have no constraints (VMAP1a1new.pdf, 1)

Use Constraints:

Region: Asia

Country: Mongolia

Year Pub: 2004

Data Set Title: MNG_PennState_01.shp
Originator: Penn State University
Distributor: University of Georgia - ITOS, Geographic Information Support Team
URL: https://gist.itos.uga.edu/data/south_asia/countries/mongolia/datasets/rdline.zip
File Size (MB): 0.36 **Total Km:** **Scale:** 1:1,000,000
Source Data: VMAPO/DCW
Method:
Notes:
Distrib Constraints:
Use Constraints:

Region: Asia

Country: Myanmar (Burma) **Year Pub:** 2007
Data Set Title: MMR_PennState_01.shp
Originator: Penn State University
Distributor: University of Georgia - ITOS, Geographic Information Support Team
URL: https://gist.itos.uga.edu/data/south_asia/countries/burma_myanmar/datasets/rdline.
File Size (MB): 0.4 **Total Km:** **Scale:** 1:1,000,000
Source Data: VMAPO/USAID
Method:
Notes:
Distrib Constraints:
Use Constraints:

Region: Asia

Country: Myanmar (Burma) **Year Pub:** 2008
Data Set Title: MMR_MIMU_01.shp
Originator: Myanmar Information Management Unit (MIMU)
Distributor: University of Georgia - ITOS, Geographic Information Support Team
URL: https://gist.itos.uga.edu/data/south_asia/countries/burma_myanmar/datasets/roads.z
File Size (MB): 0.386 **Total Km:** **Scale:** unknown
Source Data: ISCGM
Method:
Notes:
Distrib Constraints:
Use Constraints:

Region: Asia

Country: Myanmar (Burma) **Year Pub:** 2008
Data Set Title: MMR_UNOSAT_01.shp
Originator: UNOSAT/UNJLC/GISCorps
Distributor: University of Georgia - ITOS, Geographic Information Support Team
URL: https://gist.itos.uga.edu/data/south_asia/countries/burma_myanmar/datasets/yango
File Size (MB): 0.295 **Total Km:** **Scale:** unknown
Source Data: UNOSAT
Method: Shapefile was extracted from GeoDatabase by ITOS and reprojected to GCS_WGS_1984. Original damage assessment vector data was digitized and determined from pre-disaster and post-disaster imagery. Pre-disaster imagery includes: QuickBird & SPOT-5. Post-disaster imagery includes QuickBird & WorldView-1.

Notes:

Distrib Constraints:

Use Constraints:

Region: Asia

Country: Myanmar (Burma) **Year Pub:** 0
Data Set Title: MMR_ISCGM_01
Originator: International Steering Committee for Global Mapping (ISCGM)
Distributor: International Steering Committee for Global Mapping (ISCGM)
URL: <http://211.19.49.27/gmd/download/dl.php>
File Size (MB): 4.435 **Total Km:** 29442 **Scale:**

Source Data:

Method:

Notes:

Distrib Constraints:

Use Constraints: Commercial use of Global Map Myanmar is not permitted. For more detail, please contact Survey Department.

Region: Asia

Country: Nepal **Year Pub:** 2005
Data Set Title: NPL_USAID_01.shp
Originator: USAID/OFDA - Economic & Humanitarian Assistance
Distributor: University of Georgia - ITOS, Geographic Information Support Team
URL: https://gist.itos.uga.edu/data/south_asia/countries/nepal/datasets/np-roads1996.zip
File Size (MB): 0.253 **Total Km:** **Scale:** unknown

Source Data:

Method:

Notes:

Distrib Constraints:

Use Constraints:

Region: Asia

Country: Nepal

Year Pub: 0

Data Set Title: NPL_ISCGM_01

Originator: International Steering Committee for Global Mapping (ISCGM)

Distributor: International Steering Committee for Global Mapping (ISCGM)

URL: <http://211.19.49.27/gmd/download/dl.php>

File Size (MB): 0.778

Total Km: 4759

Scale:

Source Data:

Method:

Notes:

Distrib Constraints:

Use Constraints: Commercial use of Global Map Nepal is not permitted. For more detail, please contact Survey Department.

Region: Asia

Country: Nepal

Year Pub: 2004

Data Set Title: NPL_PennState_01.shp

Originator: Penn State University

Distributor: University of Georgia - ITOS, Geographic Information Support Team

URL: https://gist.itos.uga.edu/data/south_asia/countries/nepal/datasets/rdline.zip

File Size (MB): 0.071

Total Km:

Scale: 1:1,000,000

Source Data:

VMAPO/DCW

Method:

Notes:

Distrib Constraints:

Use Constraints:

Region: Asia

Country: North Korea

Year Pub: 2004

Data Set Title: PRK_PennState_01.shp

Originator: Penn State University

Distributor: University of Georgia - ITOS, Geographic Information Support Team

URL:

File Size (MB): 0.095

Total Km:

Scale: 1:1,000,000

Source Data:

VMAPO/DCW

Method:

Notes:

Distrib Constraints:

Use Constraints:

Region: Asia

Country: North Korea **Year Pub:** 2007

Data Set Title: PRK_USAID_01.shp

Originator: USAID/OFDA - Economic & Humanitarian Assistance

Distributor: University of Georgia - ITOS, Geographic Information Support Team

URL: https://gist.itos.uga.edu/data/south_asia/countries/democratic_peoples_republic_of_

File Size (MB): 0.063 **Total Km:** **Scale:** unknown

Source Data: USAID/OFDA

Method:

Notes:

Distrib Constraints:

Use Constraints:

Region: Asia

Country: Oman **Year Pub:** 2004

Data Set Title: OMN_PennState_01.shp

Originator: Penn State University

Distributor: University of Georgia - ITOS, Geographic Information Support Team

URL: <https://gist.itos.uga.edu/data/eurasia/countries/oman/datasets/rdline.zip>

File Size (MB): 0.11 **Total Km:** **Scale:** 1:1,000,000

Source Data: VMAPO/DCW

Method:

Notes:

Distrib Constraints:

Use Constraints:

Region: Asia

Country: Oman **Year Pub:** 0

Data Set Title: OMN_ISCGM_01

Originator: International Steering Committee for Global Mapping (ISCGM)

Distributor: International Steering Committee for Global Mapping (ISCGM)

URL: <http://211.19.49.27/gmd/download/dl.php>

File Size (MB): 1.037 **Total Km:** **Scale:**

Source Data:

Method:

Notes:

Distrib Constraints:

Use Constraints: If you intend to use the Global Map of The Sultanate of Oman for commercial purpose, you will need to get permission from the National Survey Authority, Sultanate of Oman. Please contact Head of National Survey Authority at nsaom@omantel.net.om Any unauthorized use of the data for any commercial purposes is in violation of international copyright laws and is strictly forbidden.

Region: Asia

Country: Pakistan **Year Pub:** 2006

Data Set Title: PAK_UNJLC_02.shp

Originator: United Nations Joint Logistics Centre (UNJLC)

Distributor: University of Georgia - ITOS, Geographic Information Support Team

URL: <https://gist.itos.uga.edu/data/eurasia/countries/pakistan/datasets/unjlc-pak->

File Size (MB): 0.52 **Total Km:** **Scale:** unknown

Source Data: Humanitarian Information Center, Pakistan

Method:

Notes:

Distrib Constraints:

Use Constraints:

Region: Asia

Country: Pakistan **Year Pub:** 2007

Data Set Title: PAK_UNJLC_01.shp

Originator: United Nations Joint Logistics Centre (UNJLC)

Distributor: University of Georgia - ITOS, Geographic Information Support Team

URL: <https://gist.itos.uga.edu/data/eurasia/countries/pakistan/datasets/pak-rds-unjlc-arc.zip>

File Size (MB): 2.387 **Total Km:** **Scale:** unknown

Source Data: VMAP1 & GPS tracks

Method: Existing road data (VMap1 and other sources) was updated by UNJLC field operatives using GPS tracking

Notes:

Distrib Constraints:

Use Constraints:

Region: Asia

Country: Pakistan **Year Pub:** 0

Data Set Title: PAK_VMAP1_01.shp

Originator: US National Geospatial Intelligence Agency (NGIA) Vector Smart Map

Distributor:

URL:

File Size (MB): 2.65

Total Km:

Scale:

Source Data:

Vector Map Level 1 product resolution is based on 1:250,000 map scale source, i.e. 1cm=2.5km, and is 4 times the resolution of VMAP0. It is based primarily on the vectorized versions of 1:250,000 scale NIMA Joint Operations Graphics (JOGs) - nearly 10,000 sheets.

Method:

The horizontal datum for this VMap product is WGS84. The vertical datum for this VMap product is mean sea level (MSL). The unit of measure for VMap is metric. The geographic extent of the VMap Level 1 product is global and consists of multiple regional databases. VMap Level 1 data from standard DMA source products are derived from the feature content defined in the associated military specification VMAP_89033 and allied appendix, available for download as .pdf files from NIMA Publications. Data gaps between a VMap Level 1 library may exist due to absence of data. VMap Level 1 products are organized into thematic layers. Each VMap thematic layer is stored as a single coverage within a VPF library. There are two reference coverages and ten thematic coverages in the data library level.

Notes:

The approximate roads coverage is 15% of total national area. The metadata for PAK_VMAP1_01 are incomplete.

Distrib Constraints:

these particular fragments of the VMAP1 database have no constraints (VMAP1a1new.pdf, 1)

Use Constraints:

Region:

Asia

Country:

Pakistan

Year Pub:

2004

Data Set Title:

PAK_PennState_01.shp

Originator:

Penn State University

Distributor:

University of Georgia - ITOS, Geographic Information Support Team

URL:

<https://gist.itos.uga.edu/data/eurasia/countries/pakistan/datasets/rdline.zip>

File Size (MB): 0.31

Total Km:

Scale:

1:1,000,000

Source Data:

VMAP0/DCW

Method:

Notes:

Distrib Constraints:

Use Constraints:

Region:

Asia

Country:

Pakistan

Year Pub:

0

Data Set Title:

PAK_ISCGM_01

Originator:

International Steering Committee for Global Mapping (ISCGM)

Distributor:

International Steering Committee for Global Mapping (ISCGM)

URL:

<http://211.19.49.27/gmd/download/dl.php>

File Size (MB): 2.204 **Total Km:** **Scale:**

Source Data:

Method:

Notes:

Distrib Constraints:

Use Constraints: The Global Map of Pakistan is free of charge for any purpose. However, if you intend to use the data for commercial purpose, you will need to show the credit "Global Map of Pakistan © ISCGM/Survey of Pakistan" or logos on your product and send mail to svyofpak@yahoo.com describing your contact information, particular dataset used and purpose of use.

Region: **Asia**

Country: Pakistan

Year Pub: 0

Data Set Title: PAK_ISCGM_02

Originator: International Steering Committee for Global Mapping (ISCGM)

Distributor: International Steering Committee for Global Mapping (ISCGM)

URL: <http://211.19.49.27/gmd/download/dl.php>

File Size (MB): 0.851 **Total Km:** **Scale:**

Source Data:

Method:

Notes:

Distrib Constraints:

Use Constraints: The Global Map of Pakistan is free of charge for any purpose. However, if you intend to use the data for commercial purpose, you will need to show the credit "Global Map of Pakistan © ISCGM/Survey of Pakistan" or logos on your product and send mail to svyofpak@yahoo.com describing your contact information, particular dataset used and purpose of use.

Region: **Asia**

Country: Philippines

Year Pub: 0

Data Set Title: PHL_ISCGM_01

Originator: International Steering Committee for Global Mapping (ISCGM)

Distributor: International Steering Committee for Global Mapping (ISCGM)

URL: <http://211.19.49.27/gmd/download/dl.php>

File Size (MB): 3.526 **Total Km:** 18081 **Scale:**

Source Data:

Method:

Notes:

Distrib Constraints:

Use Constraints: Commercial use of Global Map Philippines is not permitted. For more detail, please contact National Mapping and Resource Information Authority.

Region: Asia
Country: Philippines **Year Pub:** 2004
Data Set Title: PHL_PennState_01.shp
Originator: Penn State University
Distributor: University of Georgia - ITOS, Geographic Information Support Team
URL: https://gist.itos.uga.edu/data/south_asia/countries/philippines/datasets/rdline.zip
File Size (MB): 0.314 **Total Km:** **Scale:** 1:1,000,000
Source Data: VMAP0/DCW
Method:
Notes:
Distrib Constraints:
Use Constraints:

Region: Asia
Country: Qatar **Year Pub:** 2004
Data Set Title: QAT_PennState_01.shp
Originator: Penn State University
Distributor: University of Georgia - ITOS, Geographic Information Support Team
URL: <https://gist.itos.uga.edu/data/eurasia/countries/qatar/datasets/rdline.zip>
File Size (MB): 0.024 **Total Km:** **Scale:** 1:1,000,000
Source Data: VMAP0/DCW
Method:
Notes:
Distrib Constraints:
Use Constraints:

Region: Asia
Country: Saudi Arabia **Year Pub:** 2004
Data Set Title: SAU_PennState_01.shp
Originator: Penn State University
Distributor: University of Georgia - ITOS, Geographic Information Support Team
URL: https://gist.itos.uga.edu/data/eurasia/countries/saudi_arabia/datasets/rdline.zip
File Size (MB): 0.424 **Total Km:** **Scale:** 1:1,000,000
Source Data: VMAP0/DCW
Method:
Notes:
Distrib Constraints:
Use Constraints:

Region: Asia

Country: Saudi Arabia **Year Pub:** 0

Data Set Title: SAU_ISCGM_01

Originator: International Steering Committee for Global Mapping (ISCGM)

Distributor: International Steering Committee for Global Mapping (ISCGM)

URL: <http://211.19.49.27/gmd/download/dl.php>

File Size (MB): 5.831 **Total Km:** 62436 **Scale:**

Source Data:

Method:

Notes:

Distrib Constraints:

Use Constraints: The Global Map of The Kingdom of Saudi Arabia is free of charge for any purpose. However, if you intend to use the data for commercial purpose, you will need to show the credit "Global Map of The Kingdom of Saudi Arabia © ISCGM/The General Directorate of Military Survey (GDMS)" or logos on your product and send mail to photo@gdms.gov.sa describing you contact information, particular dataset used and

Region: Asia

Country: Singapore **Year Pub:** 0

Data Set Title: SGP_ISCGM_01

Originator: International Steering Committee for Global Mapping (ISCGM)

Distributor: International Steering Committee for Global Mapping (ISCGM)

URL: <http://211.19.49.27/gmd/download/dl.php>

File Size (MB): 2.489 **Total Km:** 773 **Scale:**

Source Data:

Method:

Notes:

Distrib Constraints:

Use Constraints: If you intend to use the Global Map of Singapore for commercial purpose, you need to seek approval from MINDEF Public Affairs at prb@starnet.gov.sg. Any unauthorized use of the data for any commercial purposes is in violation of international copyright laws and is strictly forbidden.

Region: Asia

Country: Sri Lanka **Year Pub:** 0

Data Set Title: LKA_AndyNelson_01

Originator:

Distributor: AndyNelson

URL:

File Size (MB): 45.407 **Total Km:** **Scale:**

Source Data:

Method:

Notes:

Distrib Constraints:

Use Constraints:

Region: Asia

Country: Sri Lanka

Year Pub: 0

Data Set Title: LKA_ISCGM_01

Originator: International Steering Committee for Global Mapping (ISCGM)

Distributor: International Steering Committee for Global Mapping (ISCGM)

URL: <http://211.19.49.27/gmd/download/dl.php>

File Size (MB): 2.488 **Total Km:** 9797 **Scale:**

Source Data:

Method:

Notes:

Distrib Constraints:

Use Constraints: Commercial use of Global Map Sri Lanka is not permitted. For more detail, please contact Survey Department.

E-mail address: ssgis@slt.net.lk, sgsurv@slt.net.lk

Postal address: Surveyor General's Office, P. O. Box 506, No. 150, Kirula Road, Narahenpita, Colombo5, Sri Lanka

Phone number: +94-112587957

Fax number: +94-112551337, +94-112551737

Region: Asia

Country: Sri Lanka

Year Pub: 2005

Data Set Title: LKA_WHO_01.shp

Originator: Penn State University

Distributor: University of Georgia - ITOS, Geographic Information Support Team

URL: https://gist.itos.uga.edu/data/south_asia/countries/sri_lanka/datasets/cart_track.zip

File Size (MB): 0.412 **Total Km:** **Scale:** 1:1,000,000

Source Data: VMAP0/DCW

Method:

Notes:

Distrib Constraints:

Use Constraints:

Region: Asia

Country: Syria **Year Pub:** 0
Data Set Title: SYR_ISCGM_01
Originator: International Steering Committee for Global Mapping (ISCGM)
Distributor: International Steering Committee for Global Mapping (ISCGM)
URL: <http://211.19.49.27/gmd/download/dl.php>
File Size (MB): 0.451 **Total Km:** **Scale:**

Source Data:

Method:

Notes:

Distrib Constraints:

Use Constraints: If you intend to use the Global Map of Syria for commercial purpose, you will need to get permission from General Organization of Remote Sensing (GORS). Please jump to for contracting. Any unauthorized use of the data for any commercial purposes is in violation of international copyright laws and is strictly forbidden.

Region: Asia

Country: Syria **Year Pub:** 2004
Data Set Title: SYR_NGIA_01.shp
Originator: National Geospatial Intelligence Agency (NGIA)
Distributor: University of Georgia - ITOS, Geographic Information Support Team
URL: <https://gist.itos.uga.edu/data/eurasia/countries/syria/datasets/roads.zip>
File Size (MB): 0.148 **Total Km:** **Scale:** 1:1,000,000

Source Data:

Method:

Notes: All road segments joined

Distrib Constraints:

Use Constraints:

Region: Asia

Country: Syria **Year Pub:** 2004
Data Set Title: SYR_PennState_01.shp
Originator: Penn State University
Distributor: University of Georgia - ITOS, Geographic Information Support Team
URL: <https://gist.itos.uga.edu/data/eurasia/countries/syria/datasets/rdline.zip>
File Size (MB): 0.123 **Total Km:** **Scale:** 1:1,000,000

Source Data:

Method:

Notes:

Distrib Constraints:

Use Constraints:

Region: Asia
Country: Taiwan **Year Pub:** 2004
Data Set Title: TWN_PennState_01.shp
Originator: Penn State University
Distributor: University of Georgia - ITOS, Geographic Information Support Team
URL: https://gist.itos.uga.edu/data/south_asia/countries/taiwan/datasets/rdline.zip
File Size (MB): 0.047 **Total Km:** **Scale:** 1:1,000,000
Source Data: VMAP0/DCW
Method:
Notes:
Distrib Constraints:
Use Constraints:

Region: Asia
Country: Tajikistan **Year Pub:** 2004
Data Set Title: TJK_PennState_01.shp
Originator: Penn State University
Distributor: University of Georgia - ITOS, Geographic Information Support Team
URL: <https://gist.itos.uga.edu/data/eurasia/countries/tajikistan/datasets/rdline.zip>
File Size (MB): 0.071 **Total Km:** **Scale:** 1:1,000,000
Source Data: VMAP0/DCW
Method:
Notes:
Distrib Constraints:
Use Constraints:

Region: Asia
Country: Tajikistan **Year Pub:** 0
Data Set Title: TJK_VMAP1_01.shp
Originator: US National Geospatial Intelligence Agency (NGIA) Vector Smart Map
Distributor:
URL:
File Size (MB): 0.7 **Total Km:** **Scale:**
Source Data: Vector Map Level 1 product resolution is based on 1:250,000 map scale source, i.e. 1cm=2.5km, and is 4 times the resolution of VMAP0. It is based primarily on the vectorized versions of 1:250,000 scale NIMA Joint Operations Graphics (JOGs) - nearly 10,000 sheets.
Method: The horizontal datum for this VMap product is WGS84. The vertical datum for this VMap

product is mean sea level (MSL). The unit of measure for VMap is metric. The geographic extent of the VMap Level 1 product is global and consists of multiple regional databases. VMap Level 1 data from standard DMA source products are derived from the feature content defined in the associated military specification VMAP_89033 and allied appendix, available for download as .pdf files from NIMA Publications. Data gaps between a VMap Level 1 library may exist due to absence of data. VMap Level 1 products are organized into thematic layers. Each VMap thematic layer is stored as a single coverage within a VPF library. There are two reference coverages and ten thematic coverages in the data library level.

Notes: The approximate roads coverage is 10-15% of total national area. The metadata for TJK_VMAP1_01 are incomplete.

Distrib Constraints: these particular fragments of the VMAP1 database have no constraints (VMAP1a1new.pdf, 1)

Use Constraints:

Region: Asia

Country: Thailand **Year Pub:** 2006

Data Set Title: THA_GISTDA_01.shp

Originator: GISTDA - Geo-Informatics and Space Technology Development Agency

Distributor: University of Georgia - ITOS, Geographic Information Support Team

URL: https://gist.itos.uga.edu/data/south_asia/countries/thailand/datasets/trans.zip

File Size (MB): 11.252 **Total Km:** **Scale:** 1:250,000

Source Data: United Nations Economic and Social Commission for Asia and the Pacific (UNESCAP)

Method: Dataset produced as part of the MOSTE project. GISTDA is Thailand's public organization in space technology and geo-informatics. Our mission is to provide remote sensing data and geo-informatics data to benefit the country as a whole. In addition, the research and development in space technology and geo-informatics is GISTDA significant role.

Notes:

Distrib Constraints:

Use Constraints:

Region: Asia

Country: Thailand **Year Pub:** 2004

Data Set Title: THA_PennState_01.shp

Originator: Penn State University

Distributor: University of Georgia - ITOS, Geographic Information Support Team

URL: https://gist.itos.uga.edu/data/south_asia/countries/thailand/datasets/rdline.zip

File Size (MB): 0.348 **Total Km:** **Scale:** 1:1,000,000

Source Data: VMAP0/DCW

Method:

Notes:

Distrib Constraints:

Use Constraints:

Region: Asia

Country: Thailand

Year Pub: 0

Data Set Title: THA_ISCGM_01

Originator: International Steering Committee for Global Mapping (ISCGM)

Distributor: International Steering Committee for Global Mapping (ISCGM)

URL: <http://211.19.49.27/gmd/download/dl.php>

File Size (MB): 5.545

Total Km: 35402

Scale:

Source Data:

Method:

Notes:

Distrib Constraints:

Use Constraints: Commercial use of Global Map Thailand is not permitted. For more detail, please contact Royal Thai Survey Department.

Region: Asia

Country: Turkey

Year Pub: 2004

Data Set Title: TUR_PennState_01.shp

Originator: Penn State University

Distributor: University of Georgia - ITOS, Geographic Information Support Team

URL: <https://gist.itos.uga.edu/data/eurasia/countries/turkey/datasets/rdline.zip>

File Size (MB): 1.267

Total Km:

Scale: 1:1,000,000

Source Data: VMAP0/DCW

Method:

Notes:

Distrib Constraints:

Use Constraints:

Region: Asia

Country: Turkmenistan

Year Pub: 2004

Data Set Title: TKM_PennState_01.shp

Originator: Penn State University

Distributor: University of Georgia - ITOS, Geographic Information Support Team

URL: <https://gist.itos.uga.edu/data/eurasia/countries/turkmenistan/datasets/rdline.zip>

File Size (MB): 0.195

Total Km:

Scale: 1:1,000,000

Source Data: VMAP0/DCW

Method:

Notes:

Distrib Constraints:

Use Constraints:

Region: Asia

Country: United Arab Emirates **Year Pub:** 2004

Data Set Title: ARE_PennState_01.shp

Originator: Penn State University

Distributor: University of Georgia - ITOS, Geographic Information Support Team

URL: https://gist.itos.uga.edu/data/eurasia/countries/united_arab_emirates/datasets/rdlin

File Size (MB): 0.041 **Total Km:** **Scale:** 1:1,000,000

Source Data: VMAP0/DCW

Method:

Notes:

Distrib Constraints:

Use Constraints:

Region: Asia

Country: Uzbekistan **Year Pub:** 0

Data Set Title: UZB_VMAP1_01.shp

Originator: US National Geospatial Intelligence Agency (NGIA) Vector Smart Map

Distributor:

URL:

File Size (MB): 1.539 **Total Km:** **Scale:**

Source Data: Vector Map Level 1 product resolution is based on 1:250,000 map scale source, i.e. 1cm=2.5km, and is 4 times the resolution of VMAP0. It is based primarily on the vectorized versions of 1:250,000 scale NIMA Joint Operations Graphics (JOGs) - nearly 10,000 sheets.

Method: The horizontal datum for this VMap product is WGS84. The vertical datum for this VMap product is mean sea level (MSL). The unit of measure for VMap is metric. The geographic extent of the VMap Level 1 product is global and consists of multiple regional databases. VMap Level 1 data from standard DMA source products are derived from the feature content defined in the associated military specification VMAP_89033 and allied appendix, available for download as .pdf files from NIMA Publications. Data gaps between a VMap Level 1 library may exist due to absence of data. VMap Level 1 products are organized into thematic layers. Each VMap thematic layer is stored as a single coverage within a VPF library. There are two reference coverages and ten thematic coverages in the data library level.

Notes: The approximate roads coverage is 10-15% of total national area. The metadata for UZB_VMAP1_01 are incomplete.

Distrib Constraints: these particular fragments of the VMAP1 database have no constraints (VMAP1a1new.pdf, 1)

Use Constraints:

Region: Asia

Country: Uzbekistan **Year Pub:** 2004

Data Set Title: UZB_PennState_01.shp

Originator: Penn State University

Distributor: University of Georgia - ITOS, Geographic Information Support Team

URL: <https://gist.itos.uga.edu/data/eurasia/countries/uzbekistan/datasets/rdline.zip>

File Size (MB): 0.209 **Total Km:** **Scale:** 1:1,000,000

Source Data: VMAPO/DCW

Method:

Notes:

Distrib Constraints:

Use Constraints:

Region: Asia

Country: Vietnam **Year Pub:** 0

Data Set Title: VNM_ISCGM_01

Originator: International Steering Committee for Global Mapping (ISCGM)

Distributor: International Steering Committee for Global Mapping (ISCGM)

URL: <http://211.19.49.27/gmd/download/dl.php>

File Size (MB): 3.16 **Total Km:** 21840 **Scale:**

Source Data:

Method:

Notes:

Distrib Constraints:

Use Constraints: If you intend to use the Global Map of the Socialist Republic of Vietnam for commercial purpose, you will need to get permission from Department of Survey and Mapping, Ministry of Natural Resources and Environment -Vietnam. Please contact Department of Survey and Mapping, Ministry of Natural Resources and Environment-Hoang Quoc Viet Road, Cau Giay, Ha Noi, Vietnam. E-mail dosm@monre.gov.vn. Any unauthorized use of the data for any commercial purposes is in violation of international copyright laws and is strictly forbidden.

Region: Asia

Country: Vietnam **Year Pub:** 2004

Data Set Title: VNM_PennState_01.shp

Originator: Penn State University

Distributor: University of Georgia - ITOS, Geographic Information Support Team

URL: https://gist.itos.uga.edu/data/south_asia/countries/vietnam/datasets/rdline.zip

File Size (MB): 0.268 **Total Km:** **Scale:** 1:1,000,000

Source Data: VMAP0/DCW

Method:

Notes:

Distrib Constraints:

Use Constraints:

Region: Asia

Country: West Bank

Year Pub: 2005

Data Set Title: WestBank_USDOS_01.shp

Originator: US Department of State

Distributor: University of Georgia - ITOS, Geographic Information Support Team

URL: https://gist.itos.uga.edu/data/eurasia/countries/west_bank/datasets/rds1000wk_dd.zip

File Size (MB): 1.005 **Total Km:** **Scale:** unknown

Source Data: Office for the Coordination of Humanitarian Affairs

Method:

Notes:

Distrib Constraints:

Use Constraints:

Region: Asia

Country: Yemen

Year Pub: 2004

Data Set Title: YEM_NGIA_01.shp

Originator: National Geospatial Intelligence Agency (NGIA)

Distributor: University of Georgia - ITOS, Geographic Information Support Team

URL: https://gist.itos.uga.edu/data/eurasia/countries/yemen/datasets/roads_yemen.zip

File Size (MB): 0.085 **Total Km:** **Scale:** 1:2,000,000

Source Data: USAID/OFDA

Method:

Notes:

Distrib Constraints:

Use Constraints:

Region: Asia

Country: Yemen

Year Pub: 2004

Data Set Title: YEM_PennState_01.shp

Originator: Penn State University

Distributor: University of Georgia - ITOS, Geographic Information Support Team

URL: <https://gist.itos.uga.edu/data/eurasia/countries/yemen/datasets/rdline.zip>
File Size (MB): 0.074 **Total Km:** **Scale:** 1:1,000,000
Source Data: VMAP0/DCW
Method:
Notes:
Distrib Constraints:
Use Constraints:

Region: **Asia**
Country: Yemen **Year Pub:** 0
Data Set Title: YEM_CentralStatsOrg_01
Originator:
Distributor: CentralStatsOrg
URL:
File Size (MB): 1.981 **Total Km:** **Scale:**
Source Data: Dataset likely created by Central Statistics Organization in the early 1990s from scanned 50k maps
Method:
Notes:
Distrib Constraints:
Use Constraints:

Region: **Europe**
Country: Albania **Year Pub:** 2004
Data Set Title: ALB_PennState
Originator: Penn State University
Distributor: University of Georgia - ITOS, Geographic Information Support Team
URL: <https://gist.itos.uga.edu/data/eurasia/countries/albania/datasets/rdline.zip>
File Size (MB): 0.046 **Total Km:** **Scale:** 1:1,000,000
Source Data: VMAP0/DCW
Method:
Notes:
Distrib Constraints: Unclear
Use Constraints: Unclear - probably public domain.

Region: **Europe**
Country: Bulgaria **Year Pub:** 1997
Data Set Title: BGR_PennState_01.shp
Originator: Penn State University

Distributor: University of Georgia - ITOS, Geographic Information Support Team
URL: <https://gist.itos.uga.edu/data/eurasia/countries/bulgaria/datasets/rdline.zip>
File Size (MB): 0.169 **Total Km:** **Scale:** 1:1,000,000
Source Data: VMAP0/DCW
Method:
Notes:
Distrib Constraints:
Use Constraints:

Region: **Europe**
Country: Czech Republic **Year Pub:** 2004
Data Set Title: CZE_PennState_01.shp
Originator: Penn State University
Distributor: University of Georgia - ITOS, Geographic Information Support Team
URL: https://gist.itos.uga.edu/data/eurasia/countries/czech_republic/datasets/rdline.zip
File Size (MB): 0.137 **Total Km:** **Scale:** 1:1,000,000
Source Data: VMAP0/DCW
Method:
Notes:
Distrib Constraints:
Use Constraints:

Region: **Europe**
Country: Estonia **Year Pub:** 1997
Data Set Title: EST_PennState_01.shp
Originator: Penn State University
Distributor: University of Georgia - ITOS, Geographic Information Support Team
URL: <https://gist.itos.uga.edu/data/eurasia/countries/estonia/datasets/rdline.zip>
File Size (MB): 0.066 **Total Km:** **Scale:** 1:1,000,000
Source Data: GRIPv1_UNSDI-T
Method:
Notes:
Distrib Constraints:
Use Constraints:

Region: **Europe**
Country: Faroe Islands **Year Pub:** 2004
Data Set Title: FRO_PennState_01.shp

Originator: Penn State University
Distributor: University of Georgia - ITOS, Geographic Information Support Team
URL: https://gist.itos.uga.edu/data/eurasia/countries/faeroe_islands/datasets/rdline.zip
File Size (MB): 0.015 **Total Km:** **Scale:** 1:1,000,000
Source Data: VMAP0/DCW
Method:
Notes:
Distrib Constraints:
Use Constraints:

Region: Europe
Country: Latvia **Year Pub:** 0
Data Set Title: LVA_ISCGM_01
Originator: International Steering Committee for Global Mapping (ISCGM)
Distributor: International Steering Committee for Global Mapping (ISCGM)
URL: <http://211.19.49.27/gmd/download/dl.php>
File Size (MB): 10.615 **Total Km:** 20282 **Scale:**
Source Data:
Method:
Notes:
Distrib Constraints:
Use Constraints: If you intend to use the Global Map of Latvia for commercial purpose, you will need to get permission from Latvian Geospatial Information Agency. Please contact Latvian Geospatial Information Agency, e-mail address: info@lgia.gov.lv
Any unauthorized use of the data for any commercial purpose is in violation of international copyright laws and is strictly forbidden.

Region: Europe
Country: Latvia **Year Pub:** 2004
Data Set Title: LVA_PennState_01.shp
Originator: Penn State University
Distributor: University of Georgia - ITOS, Geographic Information Support Team
URL: <https://gist.itos.uga.edu/data/eurasia/countries/latvia/datasets/rdline.zip>
File Size (MB): 0.058 **Total Km:** **Scale:** 1:1,000,000
Source Data: VMAP0/DCW
Method:
Notes:
Distrib Constraints:
Use Constraints:

Region: Europe
Country: Lithuania **Year Pub:** 2004
Data Set Title: LTU_PennState_01.shp
Originator: Penn State University
Distributor: University of Georgia - ITOS, Geographic Information Support Team
URL: <https://gist.itos.uga.edu/data/eurasia/countries/lithuania/datasets/rdline.zip>
File Size (MB): 0.101 **Total Km:** **Scale:** 1:1,000,000
Source Data: VMAP0/DCW
Method:
Notes:
Distrib Constraints:
Use Constraints:

Region: Europe
Country: Luxembourg **Year Pub:** 2004
Data Set Title: LUX_PennState_01.shp
Originator: Penn State University
Distributor: University of Georgia - ITOS, Geographic Information Support Team
URL: <https://gist.itos.uga.edu/data/eurasia/countries/luxembourg/datasets/rdline.zip>
File Size (MB): 0.017 **Total Km:** **Scale:** 1:1,000,000
Source Data: VMAP0/DCW
Method:
Notes:
Distrib Constraints:
Use Constraints:

Region: Europe
Country: Macedonia **Year Pub:** 0
Data Set Title: MKD_ISCGM_01
Originator: International Steering Committee for Global Mapping (ISCGM)
Distributor: International Steering Committee for Global Mapping (ISCGM)
URL: <http://211.19.49.27/gmd/download/dl.php>
File Size (MB): 1.344 **Total Km:** 3870 **Scale:**
Source Data:
Method:
Notes:
Distrib Constraints:
Use Constraints: Commercial use of Global Map Macedonia is not permitted. For more detail, please contact Republic of Macedonia State Authority for Geodetic Works.

E-mail address: lj.georgievski@katastar.gov.mk, b.idrizi@katastar.gov.mk
Postal address: str. Trifun Hadzi Janev 4; 1000 Skopje; MACEDONIA
Phone number: +389-2-3170-102, +389-2-3171-668
Fax number: +389-2-3171-668
Web site: www.katastar.gov.mk

Region: Europe

Country: Moldova **Year Pub:** 0

Data Set Title: MDA_ISCGM_01

Originator: International Steering Committee for Global Mapping (ISCGM)

Distributor: International Steering Committee for Global Mapping (ISCGM)

URL: <http://211.19.49.27/gmd/download/dl.php>

File Size (MB): 0.168 **Total Km:** **Scale:**

Source Data:

Method:

Notes:

Distrib Constraints:

Use Constraints: The Global Map of Moldova is free of charge for non-commercial purpose. However, if you intend to use the data for commercial purpose, you will need to get a license from Agency for Land Relations and Cadastre. Any unauthorized use of data for any commercial purposes is in violation of international copyright laws and is strictly forbidden.

Region: Europe

Country: Moldova **Year Pub:** 2004

Data Set Title: MDA_PennState_01.shp

Originator: Penn State University

Distributor: University of Georgia - ITOS, Geographic Information Support Team

URL: <https://gist.itos.uga.edu/data/eurasia/countries/moldova/datasets/rdline.zip>

File Size (MB): 0.068 **Total Km:** **Scale:** 1:1,000,000

Source Data: VMAP0/DCW

Method:

Notes:

Distrib Constraints:

Use Constraints:

Region: Europe

Country: Romania **Year Pub:** 0

Data Set Title: ROM_ISCGM_01

Originator: International Steering Committee for Global Mapping (ISCGM)

Distributor: International Steering Committee for Global Mapping (ISCGM)

URL: <http://211.19.49.27/gmd/download/dl.php>

File Size (MB): 2.939 **Total Km:** **Scale:**

Source Data:

Method:

Notes:

Distrib Constraints:

Use Constraints: For using the data of Global Map ROMANIA for commercial purpose, it will need to get permission from National Agency for Cadastre and Land Registration (NACLAR). For getting the permission, please contact NACLAR at the following e-mail address: fng@ancpi.ro

Any unauthorized use of the data for any commercial purposes is in violation of

Region: Europe

Country: Romania

Year Pub: 2004

Data Set Title: ROM_PennState_01.shp

Originator: Penn State University

Distributor: University of Georgia - ITOS, Geographic Information Support Team

URL: <https://gist.itos.uga.edu/data/eurasia/countries/romania/datasets/rdline.zip>

File Size (MB): 0.318 **Total Km:** **Scale:** 1:1,000,000

Source Data: VMAP0/DCW

Method:

Notes:

Distrib Constraints:

Use Constraints:

Region: Europe

Country: Russia

Year Pub: 0

Data Set Title: RUS_VMAP1_01.shp

Originator: US National Geospatial Intelligence Agency (NGIA) Vector Smart Map

Distributor:

URL:

File Size (MB): 30.288 **Total Km:** **Scale:**

Source Data: Vector Map Level 1 product resolution is based on 1:250,000 map scale source, i.e. 1cm=2.5km, and is 4 times the resolution of VMAP0. It is based primarily on the vectorized versions of 1:250,000 scale NIMA Joint Operations Graphics (JOGs) - nearly 10,000 sheets.

Method: The horizontal datum for this VMap product is WGS84. The vertical datum for this VMap product is mean sea level (MSL). The unit of measure for VMap is metric. The geographic extent of the VMap Level 1 product is global and consists of multiple regional databases. VMap Level 1 data from standard DMA source products are derived

from the feature content defined in the associated military specification VMAP_89033 and allied appendix, available for download as .pdf files from NIMA Publications. Data gaps between a VMap Level 1 library may exist due to absence of data. VMap Level 1 products are organized into thematic layers. Each VMap thematic layer is stored as a single coverage within a VPF library. There are two reference coverages and ten thematic coverages in the data library level.

Notes: The approximate roads coverage is 10-15% of total national area. The metadata for RUS_VMAP1_01 are incomplete.

Distrib Constraints: these particular fragments of the VMAP1 database have no constraints (VMAP1a1new.pdf, 1)

Use Constraints:

Region: Europe

Country: Serbia **Year Pub:** 2008

Data Set Title: SCG_NGIA_01.shp

Originator: National Geospatial Intelligence Agency (NGIA)

Distributor: University of Georgia - ITOS, Geographic Information Support Team

URL: <https://gist.itos.uga.edu/data/eurasia/countries/kosovo/datasets/roads.zip>

File Size (MB): 0.399 **Total Km:** **Scale:** unknown

Source Data: USAID/OFDA

Method:

Notes:

Distrib Constraints:

Use Constraints:

Region: Europe

Country: Serbia **Year Pub:** 2004

Data Set Title: SCG_PennState_01.shp

Originator: Penn State University

Distributor: University of Georgia - ITOS, Geographic Information Support Team

URL: <https://gist.itos.uga.edu/data/eurasia/countries/yugoslavia/datasets/rdline.zip>

File Size (MB): 0.26 **Total Km:** **Scale:** 1:1,000,000

Source Data: VMAP0/DCW

Method:

Notes:

Distrib Constraints:

Use Constraints:

Region: Europe

Country: Serbia **Year Pub:** 2008

Region: Oceania
Country: Christmas Island **Year Pub:** 2004
Data Set Title: CXR_PennState_01.shp
Originator: Penn State University
Distributor: University of Georgia - ITOS, Geographic Information Support Team
URL: https://gist.itos.uga.edu/data/south_asia/countries/christmas_island/datasets/rdline.
File Size (MB): 0.09 **Total Km:** **Scale:** 1:1,000,000
Source Data: VMAP0/DCW
Method:
Notes:
Distrib Constraints:
Use Constraints:

Region: Oceania
Country: New Zealand **Year Pub:** 0
Data Set Title: NZL_ISCGM_01
Originator: International Steering Committee for Global Mapping (ISCGM)
Distributor: International Steering Committee for Global Mapping (ISCGM)
URL: <http://211.19.49.27/gmd/download/dl.php>
File Size (MB): 46.363 **Total Km:** 67157 **Scale:**
Source Data:
Method:
Notes:
Distrib Constraints:
Use Constraints: The Global Map of New Zealand is free of charge for any purpose. However, if you intend to use the data for commercial purpose, you will need to show the credit "Global Map of New Zealand © ISCGM/Land Information New Zealand, New Zealand Crown Copyright Reserved" on your product and send an email to jspittal@linz.govt.nz describing the particular dataset used and the purpose of use.

Region: Oceania
Country: Papua New Guinea **Year Pub:** 0
Data Set Title: PNG_ISCGM_01
Originator: International Steering Committee for Global Mapping (ISCGM)
Distributor: International Steering Committee for Global Mapping (ISCGM)
URL: <http://211.19.49.27/gmd/download/dl.php>
File Size (MB): 15.088 **Total Km:** **Scale:**
Source Data:
Method:
Notes:

Distrib Constraints:

Use Constraints: The Global Map of Papua New Guinea is free of charge for any purpose. However, if you intend to use the data for commercial purpose, you will need to show the credit "Global Map of Papua New Guinea © ISCGM/ National Mapping Bureau" or logos on your product and send mail to nmb@lands.gov.pg describing your contact information, particular dataset used and purpose of use.

Region: Oceania

Country: Western Samoa **Year Pub:** 0

Data Set Title: WSM_ISCGM_01

Originator: International Steering Committee for Global Mapping (ISCGM)

Distributor: International Steering Committee for Global Mapping (ISCGM)

URL: <http://211.19.49.27/gmd/download/dl.php>

File Size (MB): 0.237 **Total Km:** 516 **Scale:**

Source Data:**Method:****Notes:****Distrib Constraints:****Use Constraints:****Region: Regional**

Country: Multi-Country **Year Pub:** 2006

Data Set Title: North American Atlas - Roads

Originator: Government of Canada, Natural Resources Canada, Canada Centre for

Distributor: Gov of Canada, INEGI and USGS via nationalatlas.gov

URL: <http://nationalatlas.gov/mld/road001.html>

File Size (MB): 2.51 **Total Km:** **Scale:** 1:10,000 000

Source Data: Government of Canada, Natural Resources Canada, Canada Centre for Remote Sensing, The Atlas of Canada Publication_Date: 2002 and 2003

Originator: Instituto Nacional de Estadística Geografía e Informática Publication_Date: 200407

North America, National Atlas of Canada Reference Map Series - Roads

US Geological Survey 1998, 2004

and other versions/ atlas files

Method: The North American Atlas - Roads data set shows the roads of North America at 1:10,000,000 scale. The roads included in this data set are either those that connect major centres of population or selected frontier roads. Roads under construction are not shown. There are three road classes: Major roads, which are divided, multi-lane, limited access highways; Secondary roads, which are all roads that do not meet the definition of major roads; and Ferries, which are major ferry links which run either year round or through periods when ice conditions permit.

Notes: Covers USA, Canada and Mexico.

Distrib Constraints:

Use Constraints: No use constraints are applied to data for Mexico and the United States of America. Acknowledgment of the North American Atlas, Instituto Nacional de Estadística Geografía e Informática, Natural Resources Canada, and (or) the U.S. Geological Survey would be appreciated in products derived from these data.

Region: Regional

Country: Multi-Country **Year Pub:** 2008

Data Set Title: Tracks for Africa

Originator: Tracks for Africa

Distributor: Tracks for Africa

URL: <http://www.tracks4africa.com>

File Size (MB): 0.007 **Total Km:** **Scale:**

Source Data: GPS tracks

Method: Compilation of GPS tracks.

Notes: Covers Kenya, Tanzania, Uganda, Rwanda, Burundi.

Distrib Constraints: Cannot be redistributed.

Use Constraints: For validation purposes only.

Region: Regional

Country: Multi-Country **Year Pub:** 0

Data Set Title: Latin America Data compiled by CIAT & TNC

Originator: The International Center for Tropical Agriculture (CIAT) and The

Distributor: CIAT & TNC

URL:

File Size (MB): 0.032 **Total Km:** **Scale:**

Source Data: See table of sources accompanying data in the collections sub-directory.

Method: The following steps were followed: (1) DCW was taken as a base map. (2) CIAT added road data from 250K scale maps, for areas where we had maps (in the late 90's). This was part of Manuel Winograd's environmental indicators project for Latin America. (3) TNC and CIAT in a joint project added data from many different sources. This mostly came from TNC country offices (done around 2006).

Notes:

Distrib Constraints:

Use Constraints: Not for integration into gROADS or dissemination at the current time. CODATA-Roads to send a proposal for data sharing.