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GENERAL INFORMATION

1. Title of the dataset: The BRI economic corridors: Combined

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3. License and terms of reuse

This dataset is featured in a collection of geospatial data "[Geo-mapping databases for the Belt and Road Initiative](#)". To distribute, remix, tweak, and build upon this work, please give appropriate credit and provide a link to this work. Available citation styles can be found here: <https://doi.org/10.6084/m9.figshare.c.6076193>

DATA & FILE OVERVIEW

Directory of Files:

A. BRI_World polygon.zip

Description: The geometry of territories in the world

The zip file contains five shapefile ([what is a shapefile?](#)) extensions that record the geometry and attributes of geographically referenced features. To open the shapefile properly, the following three files are needed to be stored under the same directory:

BRI_World polygon.shp: Geometry for all features

BRI_World polygon.shx: Index of the geometry

BRI_World polygon.dbf: Features' attributes in tabular format

Optional files:

BRI_World polygon.prj: Information on projection format including the coordinate system and projection information.

BRI_World polygon.cpg: Description of the encoding (e.g., utf-8) applied to create the shapefile

B. Existing_railways.zip:

Description: Five shapefile extensions that record the geometry of existing railways in the BRI.

C. Existing_roads(Major highway &Secondary highway & road).zip:

Description: Five shapefile extensions that record the geometry of existing major highways, secondary highways, and roads in the BRI.

D. Hubs.zip:

Description: Five shapefile extensions that record the geometry of strategic locations in the BRI.

E. Maritime_routes.zip:

Description: Five shapefile extensions that record the geometry of the conceptualized Maritime Silkroad in the BRI.

F. New_highways.zip:

Description: Five shapefile extensions that record the geometry of new highways in the BRI.

G. New_railways.zip

Description: Five shapefile extensions that record the geometry of new railways in the BRI.

DATA DESCRIPTION

A. BRI_World polygon.zip

1. Number of columns: 168
2. Number of rows: 258
3. Dataset reference date: 12/5/2022
4. Spatial Reference System: WGS 84 (EPSG:4326) (CRS:84)

5. Spatial Data Type: polygon (vector)

6. Polygons and boundaries: The polygons are collected from [Natural Earth, Admin 0 – Countries](#) version 5.1.1 (Published on 12 May 2022).

7. Attributes

For descriptions of the rest of the fields, please refer to [Natural Earth](#)

B. Existing_railways.zip

1. Number of columns: 180

2. Number of rows: 25413

3. Dataset reference year and month: 10/2017

4. Spatial Reference System: WGS 84 (EPSG:4326) (CRS:84)

5. Spatial Data Type: line (vector)

6. Source: The geometry of existing highways is sourced from [Natural Earth, Railroad](#) version 4.0.0 (Published on 15 October 2017).

7. Attributes

For descriptions of the rest of the fields, please refer to [Natural Earth](#)

C. Existing_roads(Major highway &Secondary highway & road).zip

1. Number of columns: 199

2. Number of rows: 430834

3. Dataset reference year and month: 12/2021

4. Spatial Reference System: WGS 84 (EPSG:4326) (CRS:84)

5. Spatial Data Type: line (vector)

6. Source: The geometry of existing highways is sourced from [Natural Earth, Road](#) version 5.0.0 (Published on 7 December 2021)

7. Attributes

For descriptions of the rest of the fields, please refer to [Natural Earth](#)

D. Hubs.zip

1. Number of columns: 2

2. Number of rows: 219

3. Dataset reference year and month: 8/2021

4. Spatial Reference System: WGS 84 (EPSG:4326) (CRS:84)

5. Spatial Data Type: point (vector)

6. Positional Accuracy: The geospatial data was collected from public sources; they may be prone to locational errors due to the ambiguity of the information disclosed by authorities and news agencies.

7. Attributes

A. Field: Name

Format: Text

Description: The name of the location

B. Field: Type

Format: Text

Description: The role of the strategic location in the BRI

8. Missing data

N/A = Missing data

E. Maritime_routes.zip

1. Number of columns: 1

2. Number of rows: 18

3. Dataset reference year and month: 8/2021

4. Spatial Reference System: WGS 84 (EPSG:4326) (CRS:84)

5. Spatial Data Type: line (vector)

6. Positional Accuracy: The geospatial data was collected from public sources; they may be prone to locational errors due to the ambiguity of the information disclosed by authorities and news agencies.

7. Attributes

A. Field: OD

Format: Text

Description: The origin and destination of the route

F. New_highways.zip

1. Number of columns: 1

2. Number of rows: 11

3. Dataset reference year and month: 8/2021

4. Spatial Reference System: WGS 84 (EPSG:4326) (CRS:84)

5. Spatial Data Type: line (vector)

6. Positional Accuracy: The geospatial data was collected from public sources; they may be prone to locational errors due to the ambiguity of the information disclosed by authorities and news agencies.

7. Attributes

A. Field: Status

Format: Text

Description: The status of the new highway

B. Field: OD

Format: Text

Description: The origin and destination of the new highway

G. New_railways.zip

1. Number of columns: 5

2. Number of rows: 47

3. Dataset reference year and month: 8/2021

4. Spatial Reference System: WGS 84 (EPSG:4326) (CRS:84)

5. Spatial Data Type: line (vector)

6. Positional Accuracy: The geospatial data was collected from public sources; they may be prone to locational errors due to the ambiguity of the information disclosed by authorities and news agencies.

7. Attributes

A. Field: Name

Format: Text

Description: The name of the new railway

B. Field: Status

Format: Text

Description: The status of the new railway

C. Field: Info

Format: Text

Description: Detailed descriptions of the new railway

D. Field: Start

Format: Text

Description: The start year of the new railway project

E. Field: End

Format: Text

Description: The year in which the new railway project will end

8. Missing data

N/A = Missing data

METHODOLOGICAL INFORMATION

Software-specific information:

Geospatial features (.shp) in this dataset can be read and edited by using GIS software, such as QGIS and ArcGIS. Geospatial attributes in tabular format (.dbf and .xlsx) can be separately read and edited by using spreadsheet software, such as Microsoft Excel and OpenOffice spreadsheet.