

This file was generated on 30/11/2021 by Chun-Yin Man

GENERAL INFORMATION

1. Title of the dataset: Railway networks: connecting China with South(east) Asia

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3. License and terms of reuse

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DATA & FILE OVERVIEW

Directory of Files:

A. China_SA&SEA_railways.zip

Description: Locations and attributes, including names, status, and descriptions of new railways that were planned or under construction up until March 2020, connecting China with border countries in South Asia and Southeast Asia.

Spatially contextualizing the new railways, the geometry of existing railway networks is contained. Data were collected from Natural Earth 10m-cultural-vectors version 4.0.0 (published by Natural Earth on 15th November 2017).

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:

China_SA&SEA_railways.shp: Geometry for all features

China_SA&SEA_railways.shx: Index of the geometry

China_SA&SEA_railways.dbf: Features' attributes in tabular format

Optional files:

China_SA&SEA_railways.prj: Information on projection format including the coordinate system and projection information.

China_SA&SEA_railways.cpg: Description of the encoding (e.g., utf-8) applied to create the shapefile

B. reference.zip:

Description: Images that were applied to digitize the new railways.

----- **DATA DESCRIPTION** -----

A. Transnational energy networks_BRI.zip

1. Number of columns: 8

2. Number of rows: 9613

3. Dataset reference date: 31/3/2020

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 railway

B. Field: Status

Format: Text

Description: Status of the railway

Existing = in operation

Planned = Proposed

Under construction = to be completed

C. Field: Status_D

Format: Text

Description: Detailed status of the railway

Capacity Expansion = Rail freight capacity will be increased

New railways = New railways that were proposed or are under construction

D. Field: OD

Format: Text

Description: The origin and destination countries of the railway

E. Field: Info

Format: Text

Description: Detailed descriptions of the railway

F. Field: From

Format: Text

Description: The start year of the railway

G. Field: To

Format: Text

Description: The year in which the railway was planned to be finished

H. Field: Source

Format: Text

Description: The web link to the source reports, articles, or coverage

B. reference.zip

1. Number of files: 19

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.