Response to Giulio G.R. Iovine of the manuscript
"China Active Faults Database (CAFD) and its Web System"

We are very grateful to Giulio G.R. Iovine for his constructive comments that greatly improved the manuscript. Below is a point-by-point reply (C: Giulio G.R. Iovine's comment; AR: author reply)

C: check that the 3 links at the end of the manuscript refer to Chinese websites, without an English translation.
AR: We translated the websites of 3 links at the end of the manuscript to English and added figures and text as below. These websites are not available in English. Its users are Chinese.

FormalEq20090101T20230630 (Fig. 13):

https://data.earthquake.cn/datashare/report.shtml?PAGEID=datasourcelist&dt=40280d0453e414e40153e44861dd0003

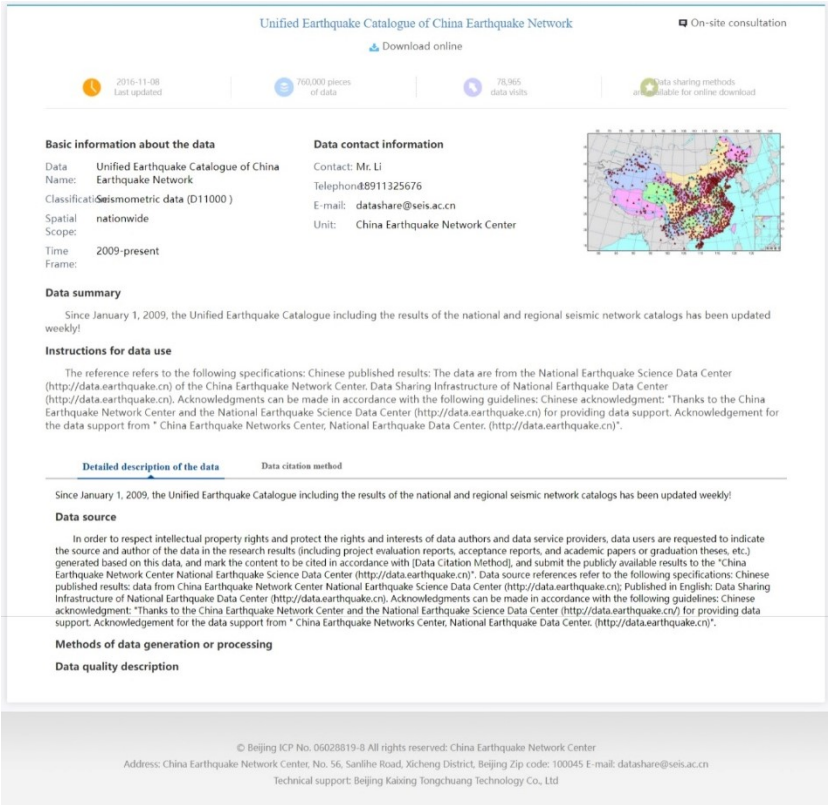


Figure 13: the translated English websites for FormalEq20090101T20210630.

CSNEq19700101T20081231 (Fig. 14):

https://data.earthquake.cn/datashare/report.shtml?PAGEID=datasourcelist&dt=40280d0453e414e40153e44861dd0002

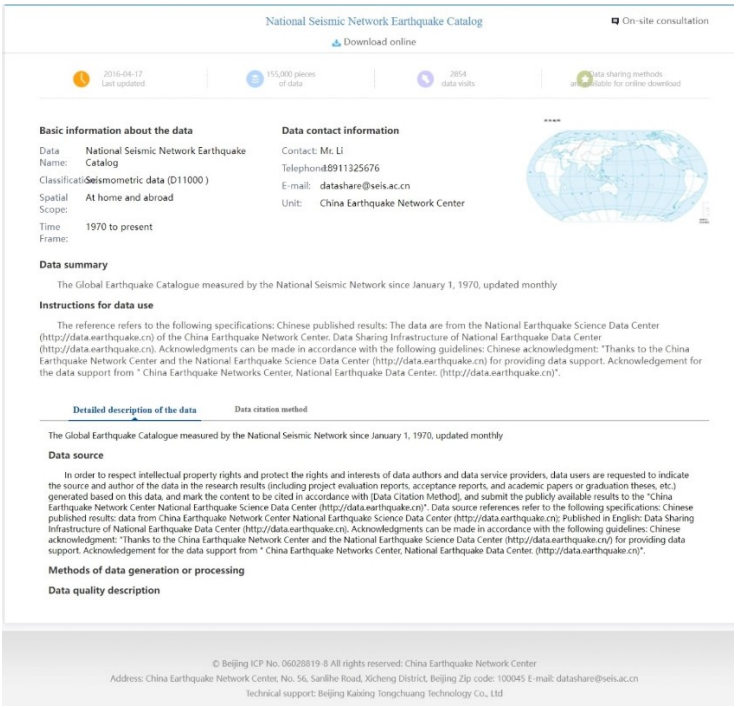


Figure 14: the translated English websites for CSNEq19700101T20081231.

HistoryEqT19691231 (Fig. 15):

https://data.earthquake.cn/datashare/report.shtml?PAGEID=datasourcelist&dt=8a85efd754e7d6910154e7d691810000

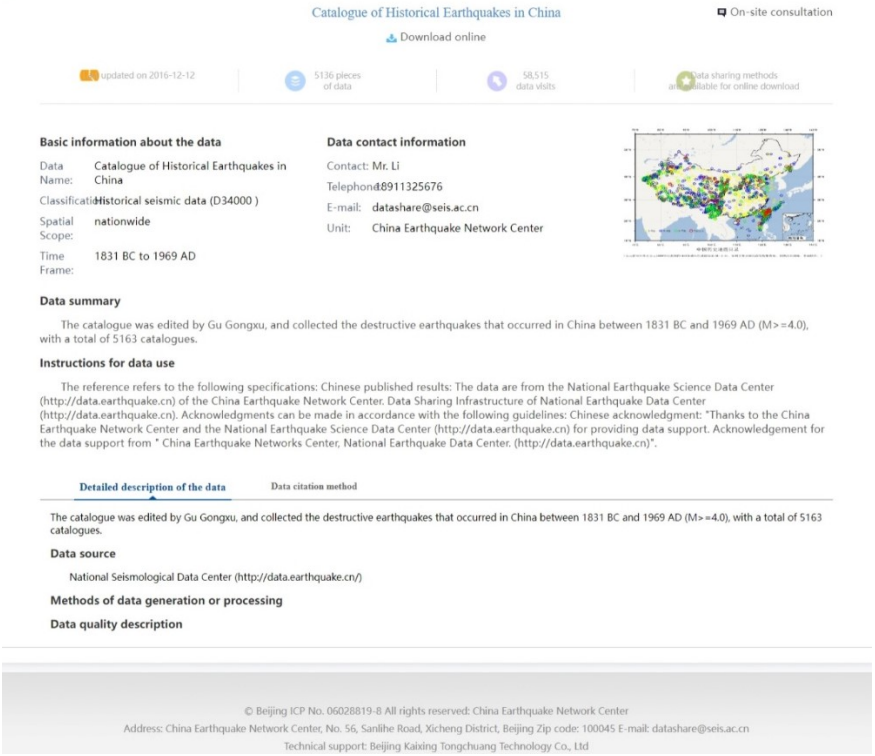


Figure 15: the translated English websites for HistoryEqT19691231.

C: the original references should be mentioned for all the faults.

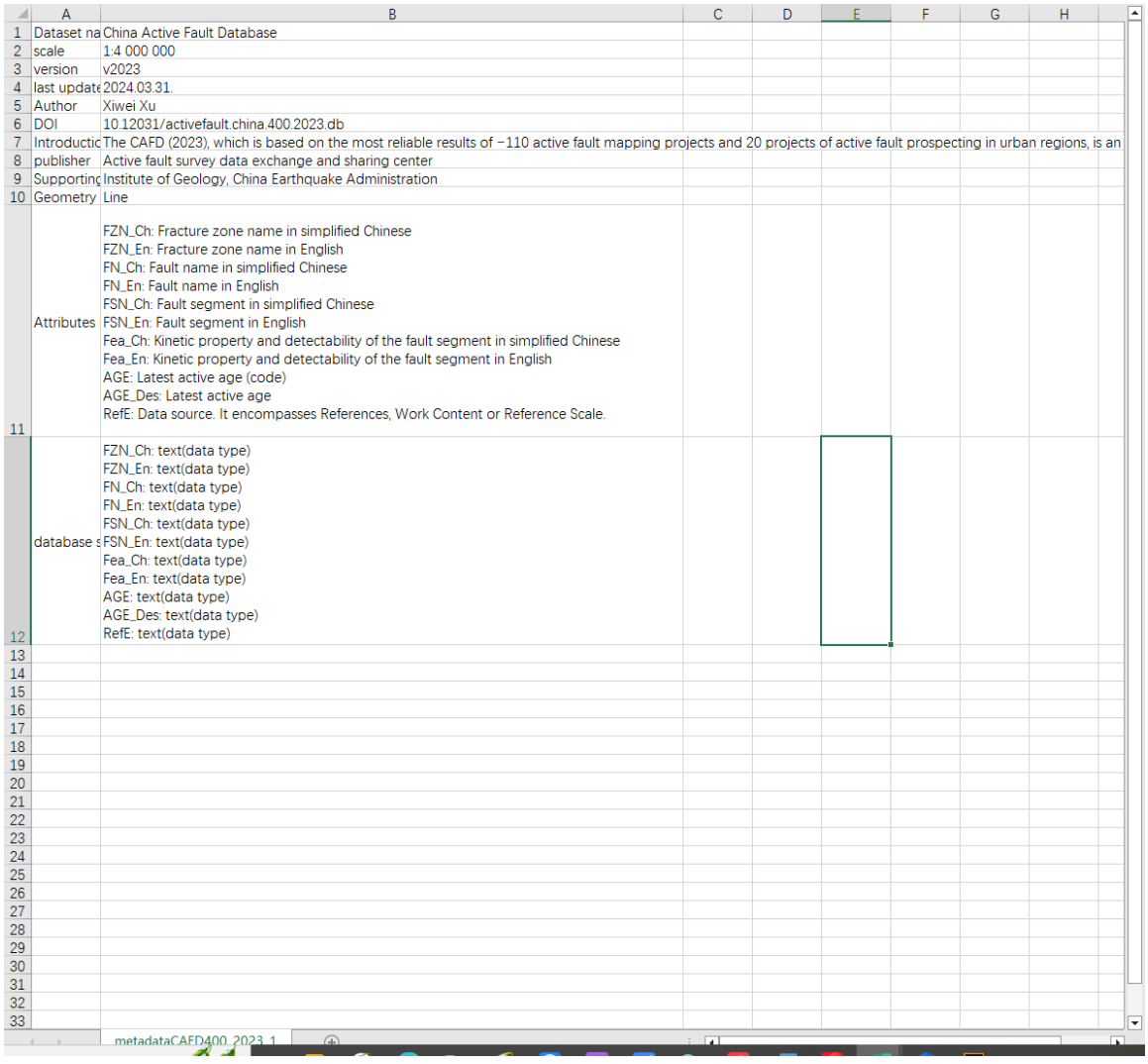
AR: We added a field (RefE) to store the references.
https://data.activetectonics.cn/arcportal/home/item.html?id=415ce17459e5439b8c9f86c50c334495#overview

C: all the cited data should be provided as shapefiles / ArcGIS coverages.

AR: The CAFD (2015) and Earthquake data (HistoryEqT19691231, CSNEq19700101T20081231, and FormalEq20090101T20210630) are now provided as shapefiles.
https://data.activetectonics.cn/arcportal/home/item.html?id=412c02d3930e41019d15c69e3e289469
https://data.activetectonics.cn/arcportal/home/item.html?id=0eea19cfc28c441fa626f2bbc5700eca
The cited fault data at 1:50000-1:250000 has not been released yet. We don't have the authorization to release it so far. More work and research based on this data are on the schedule, and these data will be published after this work.

C: Moreover, authors are encouraged to provide a CSV table including the metadata of the faults (linked by the identifier of the ArcGIS coverage) and a technical description of the database structure.

AR: We provided a CSV table including the metadata and description of the database structure of CAFD. The CAFD is provided as a shapefile.
https://data.activetectonics.cn/arcportal/home/item.html?id=415ce17459e5439b8c9f86c50c334495#overview



	A	B
1	Dataset na	China Active Fault Database
2	scale	1:4 000 000
3	version	v2023
4	last update	2024.03.31.
5	Author	Xiwei Xu
6	DOI	10.12031/activefault.china.400.2023.db
7	Introductic	The CAFD (2023), which is based on the most reliable results of ~110 active fault mapping projects and 20 projects of active fault prospecting in urban regions, is an
8	publisher	Active fault survey data exchange and sharing center
9	Supporting	Institute of Geology, China Earthquake Administration
10	Geometry	Line
11	Attributes	FZN_Ch: Fracture zone name in simplified Chinese FZN_En: Fracture zone name in English FN_Ch: Fault name in simplified Chinese FN_En: Fault name in English FSN_Ch: Fault segment in simplified Chinese FSN_En: Fault segment in English Fea_Ch: Kinetic property and detectability of the fault segment in simplified Chinese Fea_En: Kinetic property and detectability of the fault segment in English AGE: Latest active age (code) AGE_Des: Latest active age RefE: Data source. It encompasses References, Work Content or Reference Scale.
12	database s	FZN_Ch: text(data type) FZN_En: text(data type) FN_Ch: text(data type) FN_En: text(data type) FSN_Ch: text(data type) FSN_En: text(data type) Fea_Ch: text(data type) Fea_En: text(data type) AGE: text(data type) AGE_Des: text(data type) RefE: text(data type)