Table 1. List of parameters in the database*

Label in the data file	**Explanation (unit/range)**
ID	Identifier of the data record composed of borehole's name and the number of a test performed in a borehole; H signifies horizontal and V vertical borehole
LAT	Latitude (decimal degrees, -90 to +90; south latitude is negative)
LON	Longitude (decimal degrees, -180 to +180; west longitude is negative)
UTM_ZONE	Zone of the Universal Transverse Mercator coordinate system
UTM_N	Northing value in the UTM system
UTM_E	Easting values in the UTM system
UTM_HORDAT	Horizontal datum (e.g., WGS 84, NAD83, or ETRS 89)
DEPTH	Depth below surface, same as true vertical depth below ground level (km)
DEPTH_TEST	Length of a tested interval
SITE	Site description I: site code as e.g., given in publications and reports
LOCALITY	Site description II: name of location or well
COUNTRY	Country
TYPE	Stress magnitude indicator type; HF – hydrofrac in a vertical borehole, HFH – hydrofrac in a horizontal borehole
AZI	Azimuthal orientation of the max. horizontal stress (degrees)
AZI_SD	Standard deviation of azimuthal orientation of the max. horizontal stress in cases where several induced fractures at one test site/depth were detected (degrees)
REG	stress regime (NF – normal faulting; NS – combination of NF and SS (transtension); SS – strike slip faulting; TS – combination of SS and TF (transpression); TF – thrust faulting)
Nb	Number of single measurements
S1_MAG	Magnitude of max. principle stress (MPa)
S1_MAG_SD	Standard deviation of max. principle stress (MPa)
S1_MAG_EFF	Magnitude of effective max. principle stress (MPa)
S2_MAG	Magnitude of medium principle stress (MPa)
S2_MAG_SD	Standard deviation of medium principle stress (MPa)
S2_MAG_EFF	Magnitude of effective medium principle stress (MPa)
S3_MAG	Magnitude of min. principle stress (MPa)
S3_MAG_SD	Standard deviation of min. principle stress (MPa)
S3_MAG_EFF	Magnitude of effective min. principle stress (MPa)
Shmin	Magnitude of min. horizontal stress (MPa)
Shmin_SD	Standard deviation of min. horizontal stress (MPa)
Shmin_lowb	Lower bound of min. horizontal stress magnitude (MPa)
Shmin_uppb	Upper bound of min. horizontal stress magnitude (MPa)
Shmin_eff	Magnitude of effective min. horizontal stress (MPa)
SHmax	Magnitude of max. horizontal stress (MPa)
SHmax_SD	Standard deviation of max. horizontal stress (MPa)
SHmax_lowb	Lower bound of max. horizontal stress magnitude (MPa)
SHmax_uppb	Upper bound of max. horizontal stress magnitude (MPa)
SHmax_eff	Magnitude of effective max. horizontal stress (MPa)

Sv	Magnitude of vertical stress (MPa)
Sv_SD	Standard deviation of vertical stress (MPa)
Sv_lowb	Lower bound of vertical stress magnitude (MPa)
Sv_uppb	Upper bound of vertical stress magnitude (MPa)
Sv_eff	Magnitude of effective vertical stress (MPa)
YOUNG	Young's modulus (GPa)
ROCK	Rock type
AGE	Lithostratigraphic unit
rho_rock	Rock density (measured or estimated) (g/cm^3)
TS_INSITU	In-situ tensile strength (MPa)
P0	Pore pressure (MPa)
Pc or Pb	Formation/breakdown pressure (MPa)
Pb_SD	Standard deviation of formation/breakdown pressure (MPa)
Pr	Reopening pressure (MPa)
Pr_SD	Standard deviation of reopening pressure (MPa)
Psi	Instantaneous shut-in pressure (MPa)
Psi_SD	Standard deviation of instantaneous shut-in pressure (MPa)
frac_AZ	Azimuth of opened fracture (degrees)
frac_DIP	Dipping angle of opened fracture with respect to the horizontal (degrees)
COMMENT	Comments (e.g., additional information or details on the measurement, limitations of interpretation etc., reference to corresponding WSM-entry)
QUALITY	Quality assignment (A-E) based on Morawietz et al., 2020

*For more detailed explanations and information on the parameters from Table 1 as well as quality ranking scheme for stress magnitudes please refer to Morawietz, S., Heidbach, O., Reiter, K. et al. An open-access stress magnitude database for Germany and adjacent regions. Geotherm Energy 8, 25 (2020). https://doi.org/10.1186/s40517-020-00178-5