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CITATION

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-Montone P., Mariucci M.T., 2016. The new release of the Italian contemporary stress map, Geophysical Journal International, 205, 1525–1531, <https://doi.org/10.1093/gji/ggw100>

The use of a specific subset of data should also include the related references cited in the data tables and provided in the **References** below.

DISCLAIMER

The database IPSI provides data on the contemporary stress in Italy and it is based on the available scientific knowledge; however, due to the complex natural phenomena covered, Istituto Nazionale di Geofisica e Vulcanologia (INGV) cannot be made responsible for any incomplete or unreliable data provided or for future events that may be inferred by users on the basis of the data provided.

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CREDITS

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Italian data contribute to [World Stress Map](https://www.worldstressmap.org/)

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IPSI logo: Daniela Riposati INGV-Laboratorio Grafica e Immagini.

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LEGEND OF DATA TABLES

Fields common to all data:

Id	Identification code of the data record. Letters indicate the indicator type (field 3) and ordinal number (field 2).
N	Ordinal number of the data record.
Type	Stress indicator type following the World Stress Map classification: BO, borehole breakout; FMS, single focal mechanism; FMF, formal inversion of focal mechanisms; GFS, faults; OC, overcoring.
Lat	Latitude north in decimal degrees within the WGS_1984 geographic coordinate system, rounded to two decimal places.
Lon	Longitude east in decimal degrees within the WGS_1984 geographic coordinate system, rounded to two decimal places.
Sh	Computed minimum horizontal stress orientation.
SH	Computed maximum horizontal stress orientation.
Q	Assigned stress orientation quality from <i>A</i> (best) to <i>E</i> according to the World Stress Map classification.
TR	Defined tectonic regime. Two letter code: NF, normal fault; SS, strike-slip fault; TF, thrust fault; TS, thrust-strike fault; NS, normal-strike fault; U, unknown.
Reference1_original	Source of the raw data (e.g. earthquake focal mechanism catalogues) or the first paper containing the data record (breakout data).
Reference2_last	Reference of the last update of the whole dataset or last reference for the data record.
WEB_date	Date of the first online inclusion in the IPSI database (dd/mm/yyyy).
Update	Most recent update of the data record, if necessary (dd/mm/yyyy).

Fields for Borehole Breakout data (BO) only:

sd	Standard deviation of horizontal stress orientation.
BO_top	Shallowest breakout depth (m). Measured depth from rotary table.
BO_bottom	Deepest breakout depth (m). Measured depth from rotary table.
available	Availability of the well log at the Italian Ministry of Economic Development ('no' or empty field).

UNMIG_well_code	Well Code number from the National Mining Office for hydrocarbon and geothermal energy of the Italian Ministry of Economic Development.
Year	Year of drilling (for available wells only).
Depth_(m)	Total vertical depth (m) from rotary table (for available wells only).
Well_name	Well name (for available wells only).

Fields for Earthquake Focal Mechanism data (FMS) only:

Download_date_from_catalog	Date of download from the focal mechanism catalogue (dd/mm/yyyy).
Date_eq	Earthquake date (dd/mm/yyyy) and time (hh:mm).
Mw	Earthquake magnitude to one decimal.
Depth_(km)	Earthquake hypocentral depth (km) to one decimal. Depth below sea level.
strike1	Strike of nodal plane 1, integer.
dip1	Dip of nodal plane 1, integer.
rake1	Rake of nodal plane 1, integer.
strike2	Strike of nodal plane 2, integer.
dip2	Dip of nodal plane 2, integer.
rake2	Rake of nodal plane 2, integer.

Fields for Formal Inversion data (FMF) only:

Name	Code identifying the inversion, combination of letters and number according to the data source or given by database authors.
Region	Italian region or zone where the data are located.
Events_num	Number of events used for the inversion.
Year	Year or range of years of the earthquakes used for the inversion.
M	Range of magnitude of the events used for the inversion.
Depth_(km)	Range of depth (km) of the events used for the inversion. Depth below sea level.

Misfit	Value indicating the reliability of the inversion (if available).
S1_(az/dip)	Azimuth/dip of the major stress axis.
S2_(az/dip)	Azimuth/dip of the intermediate stress axis.
S3_(az/dip)	Azimuth/dip of the minor stress axis.

Fields for Fault Slip data (GFS) only:

Region	Italian region where the fault is located.
Fault_Name	Fault name assigned by the authors in field 10 ("Reference1_original").

Fields for Overcoring data (OC) only:

Locality	Zone where the data are located.
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