

Commission de la Carte Géologique du Monde / Commission for the Geological Map of the World



WORLD STRESS MAP



2009 - 2nd edition, based on the WSM database release 2008
Helmholtz Centre Potsdam - GFZ German Research Centre for Geosciences

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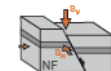
The stress maps display the maximum horizontal compressional stress S_H

- Method
- focal mechanism
 - breakouts
 - drill induced frac.
 - overcoring
 - hydro. fractures
 - geol. indicators

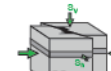
Data depth range
0-40 km

- Quality
- A S_H is within $\pm 15^\circ$
 - B S_H is within $\pm 20^\circ$
 - C S_H is within $\pm 25^\circ$

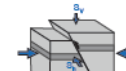
- Stress Regime
- Normal faulting
 - Strike-slip faulting
 - Thrust faulting
 - Unknown regime



normal faulting regime
 $S_V > S_H > S_h$



strike-slip regime
 $S_H > S_V > S_h$



thrust faulting regime
 $S_H > S_h > S_V$