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J. Cortés-Aranda, R. Vassallo, H. Jomard, L. Pousse-Beltrán, L. Astudillo, J.-L. Mugnier, F. Jouanne, M. Malik, J. Carcaillet

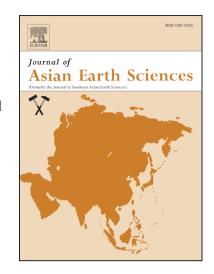
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Late Quaternary out-of-sequence deformation in the innermost Kangra Reentrant, NW Himalaya of India: Seismic potential appraisal from ¹⁰Be dated fluvial terraces

- J. Cortés-Aranda (*1), R. Vassallo (2), H. Jomard (3), L. Pousse-Beltrán (4); Astudillo, L (1); J.-
- L. Mugnier (2), F. Jouanne (2), M. Malik (5), J. Carcaillet (4)
- * Corresponding author: joacortes@udec.cl
- (1) Departamento Ciencias de la Tierra, Universidad de Concepción, Víctor Lamas 1290, Concepción, Chile
- (2) Université de Savoie, ISTerre, F-73376 Le Bourget du Lac, France
- (3) Institut de Radioprotection et de Sûreté Nucléaire (IRSN), 31, avenue de la Division Leclerc, 92260 Fontenay-aux-Roses, France
- (4) Univ. Grenoble Alpes, ISTerre, F-38041 Grenoble, France
- (5) Department of Geology, University of Jammu, Gujarbasti, Jammu, Jammu and Kashmir 180006, India

Highlights

- Late Quaternary fluvial terraces are displaced by branches of the Palmpur Thrust at the innermost Kangra Reentrant.
- Deformation within the Kangra Reentrant is distributed in a ca. 90 km width area along several ramps that emerge to the surface.
- Cumulative shortening rate for the Palampur Thrust is ca. 1.2 mm/yr over the Late
 Quaternary.
- The estimated deformation rate is due to <u>7</u><Mw<8 earthquakes triggered either along crustal ramps and/or along the Main Himalayan Thrust.

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